REMEDIAL INVESTIGATION REPORT
PUBLIC REVIEW DRAFT
DUWAMISH SHIPYARD, INC. SITE
SEATTLE, WASHINGTON

Prepared for

Washington Department of Ecology

On Behalf of

Duwamish Shipyard, Inc.
5658 W Marginal Way SW
Seattle, Washington 98106

Prepared by

Anchor QEA, LLC
1201 3rd Avenue, Suite 2600
Seattle, Washington 98101

April 2019

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LIST OF ACRONYMS AND ABBREVIATIONS

µg	microgram
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
AML	Alaska Marine Lines
AO	Agreed Order
ARAR	applicable or relevant and appropriate requirement
BEHP	bis(2-ethylhexyl) phthalate
bgs	below ground surface
BMP	best management practice
BTEX	benzene, toluene, ethylbenzene, and xylenes
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
cm	centimeter
cm/s	centimeters per second
cm/y	centimeters per year
COC	chemical of concern
COPC	chemical of potential concern
cPAH	carcinogenic polycyclic aromatic hydrocarbon
CSM	conceptual site model
CSO	Combined Sewer Outfall
CUL	cleanup level
cy	cubic yards
cy/s	cubic yards per second
DGPS	Differential Global Positioning System
DO	dissolved oxygen
DSI	Duwamish Shipyard, Inc.
DSI Property	5658 West Marginal Way SW
Ecology	Washington Department of Ecology
EPA	U.S. Environmental Protection Agency
FDF	fish diet fraction

foc	fractional organic carbon
FS	Feasibility Study
g/d	grams per day
Glacier	Glacier Northwest, Inc. Seattle Cement Facility
GMA	Growth Management Act
Groundwater Memo	*Groundwater cleanup levels for upland sites along the Lower Duwamish Waterway*
GS	grain size
HCI	Hart Crowser, Inc.
IC	indicator chemical
K	hydraulic conductivity
Kd	sediment-to-water distribution coefficient
Koc	sediment organic carbon-water partitioning coefficient
LDW	Lower Duwamish Waterway
MC	moisture content
mg	milligram
mg/kg	milligrams per kilogram
mg/kg-OC	milligrams per kilogram organic carbon normalized
mg/L	milligrams per liter
MLLW	mean lower low water
MTCA	Model Toxics Control Act
ng/kg	nanograms per kilogram
NPDES	National Pollutant Discharge Elimination System
NOAA	National Oceanic and Atmospheric Administration
ORP	oxidation reduction potential
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PCP	pentachlorophenol
Port	Port of Seattle
PQL	practical quantitation limit
RAL	remedial action level
RBTC	risk-based threshold concentration
RCW	Revised Code of Washington

Reichhold	Reichhold Chemical, Inc.
RI	Remedial Investigation
RM	river mile
ROD	Record of Decision
SAP	Sampling and Analysis Plan
SCO	Sediment Cleanup Objective
Site	5658 West Marginal Way SW and portions of adjacent Lower Duwamish Waterway sediments
SMS	Sediment Management Standards
SRI	Supplemental Remedial Investigation
SRIWP	Supplemental Remedial Investigation Work Plan
STAR	Sediment Transport Analysis Report
STM	Sediment Transport Model
SVOC	Semi volatile organic compound
SWAC	spatially-weighted average concentration
TBT	tributyltin
TDS	total dissolved solids
TEE	terrestrial ecological evaluation
TEQ	Toxic Equivalents Quotient
TOC	total organic carbon
TPH	total petroleum hydrocarbons
TPH-Dx	diesel range hydrocarbons
TPH-G	gasoline range hydrocarbons
TPH-MO	motor oil range hydrocarbons
TS	total solids
TSS	total suspended solids
TVS	total volatile solids
USACE	U.S. Army Corps of Engineers
UST	underground storage tank
VOC	volatile organic compound
WAC	Washington Administrative Code

1 INTRODUCTION

In compliance with Washington Department of Ecology (Ecology) Agreed Order (AO) No. DE-6735, this document presents the findings of a Remedial Investigation (RI) at the Duwamish Shipyard, Inc. (DSI) property located at 5658 West Marginal Way SW (DSI Property) and portions of the adjacent Lower Duwamish Waterway (LDW) sediments (collectively, Site) in Seattle, Washington (Figure 1-1). This RI Report reflects the revisions and modifications directed by Ecology (Ecology 2017a, 2017b, 2018a, 2018b, 2018c, 2019).

1.1 Overview

The purpose of this RI Report is to summarize the environmental conditions at the Site after adequately characterizing the nature and extent of Site-related chemicals in both upland and aquatic areas (including any impacts from hazardous substances and associated risks that may be posed to human health and the environment), so that potential cleanup action alternatives can be developed and evaluated in the Feasibility Study (FS), in accordance with applicable requirements under the Model Toxics Control Act (MTCA) regulations (Washington Administrative Code [WAC] 173-340-350). This RI is consistent with the final LDW Record of Decision (ROD; EPA 2014), which presents the cleanup remedy selected for sediments within the LDW.[1]

Sufficient data were collected and evaluated to describe the nature and extent of chemicals of concern (COCs) and their fate and transport, in order to develop a conceptual site model (CSM) that identifies potential human health and environmental risks associated with the COCs at the Site. This information will allow for completion of the FS and selection of a cleanup action for the Site.

The work described in this RI Report has been performed consistent with the requirements of the AO No. DE-6735, which was finalized between Ecology and DSI on September 13, 2010. The scope of the RI activities was defined in several approved Work Plan documents, including the RI/FS Work Plan (Anchor QEA 2010), which was approved by Ecology in September 2010, and the Supplemental Remedial Investigation Work Plan (SRIWP) and

[1] The aquatic area of the Site is within the LDW Superfund Site, as described in Section 2.1.

Addendum (Anchor QEA 2013), which were approved by Ecology in May 2013. The Draft RI Report was submitted to Ecology on August 31, 2015.

Comments were received from Ecology on January 31, 2017 (Ecology 2017a), and a revised RI Report was submitted on May 1, 2017. Additional comments were received from Ecology by letter on October 5, 2017 (Ecology 2017b), and a revised RI Report was submitted on December 19, 2017. Ecology and the U.S. Environmental Protection Agency (EPA) provided comments on the revised RI Report by letter on February 9, 2018 (Ecology 2018a). The February 2018 comments are the first received from EPA on the RI Report. Subsequent meetings were held in March, April, and May 2018 to discuss the comments and obtain clarification on the revisions needed for Ecology to provide approval of the RI Report. This RI Report was revised as directed by Ecology and EPA in their February 9, 2018 comment letter (Ecology 2018a) and as discussed in subsequent meetings in March, April, and May 2018 and was submitted on May 25, 2018. Comments on the May 25, 2018 RI Report were provided by Ecology via e-mail on August 22, 2018 (Ecology 2018b). Additional meetings were held with Ecology in August, September and October 2018 to discuss further revisions to the RI Report, and draft revised report sections were provided via e-mail to Ecology on October 18, 2018. Subsequent comments were provided by Ecology via e-mail in November 2018 (Ecology 2018c), and revised report sections were provided via e-mail to Ecology on January 8, 2019. Further comments were provided by Ecology via e-mail on January 17, 2019 (Ecology 2019) and during a meeting with Ecology on March 5, 2019. This RI Report, as revised, incorporates all comments received from Ecology and EPA to date.

1.2 Report Organization

This RI Report is organized as follows:

- Section 2 – Site Description
- Section 3 – Historical and Current Site Uses
- Section 4 – Environmental Setting
- Section 5 – Remedial Investigation Activities
- Section 6 – Site Screening Levels
- Section 7 – Nature and Extent of Contamination
- Section 8 – Conceptual Site Model
- Section 9 – RI Conclusions

- Section 10 – References

Appendices to this RI Report include key historical reports, RI field sampling logs, boring logs, tidal data, recent sampling data validation and laboratory reports not previously reported, supporting screening level development documentation, selected cross section maps and groundwater trend plots, and Ecology's comments on the Draft RI Report.

2 SITE DESCRIPTION

2.1 Site Location

The DSI Property includes approximately 5 acres of land owned by DSI located along the western shoreline of the LDW between river mile (RM) 1.3 and 1.4. The DSI Property was developed in the 1940s and used between the 1940s and April 2007 for operation of a commercial shipyard. Shipyard activities were terminated in April 2007. Historical shipyard operational features and property boundaries are summarized in Section 3. Current property features and boundaries are shown in Figure 2-1.

The Site is located in a highly industrialized area zoned for General Industrial (IG1 U/85) use. It is currently being used for container storage and truck access by Alaska Marine Lines (AML). The Site is bordered to the north by the AML container facility and to the south by the former Glacier Northwest, Inc. Seattle Cement Facility (Glacier; now CalPortland) and Terminal 115. West Marginal Way is located immediately west of the Site, and the eastern Site boundary abuts the LDW. The LDW was added to the National Priorities List in September 2001, and the future cleanup of the LDW will be overseen by EPA and Ecology. The Site is listed on Ecology's Contaminated Sediment Sites List, which was first published in 1996. Portions of the Site are located within the study area of the LDW, and upland areas are included within the Glacier Bay Source Control Area (Ecology 2007).

2.2 Property Infrastructure and Utilities

Until 2009, a stormwater conveyance system discharging into a DSI outfall location (Outfall 005; Figure 2-1) served to capture surface water runoff from paved surfaces on the Site. In the following years, AML conducted stormwater system improvements in the uplands, including the rerouting of the stormwater into a series of treatment systems located to the southeast of the former graving dock on AML's property to the north. All DSI Property stormwater is now combined with AML stormwater, treated on AML property, and then discharged at the AML stormwater outfall (Figures 2-1 and 2-2). AML is the permittee under National Pollutant Discharge Elimination Service (NPDES) Permit No. WAR001365 for discharge of stormwater at both the DSI and AML properties. A detailed description of stormwater system improvements is presented in Section 4.1.2.

3 HISTORICAL AND CURRENT SITE USES

3.1 Site Ownership History

Figures 3-1 and 3-2 provide a summary of the ownership history and operations of the DSI Property and historical changes of the property boundaries. DSI purchased the main portions of the DSI Property (Parcels B and C) as a tax title purchase from King County in May 1941. Historical aerial photographs (Appendix A) show that the DSI Property was vacant in the 1930s prior to its purchase by DSI.

When DSI purchased Parcels B and C, the property to the south was owned by the federal government. After retrofitting an existing lumber plant, the U.S. Army used the property to the south for production of charcoal filters and Whetlerite (a copper-impregnated carbon used in gas mask filters during the First and Second World Wars).

This adjacent property to the south of the DSI Property was then leased by the federal government to Reichhold Chemical, Inc. (Reichhold) between 1945 and 1958 for operation of a chemical manufacturing facility. The Reichhold facility produced pentachlorophenol (PCP), plastic polymers for the automobile industry, various wood-preserving resins, adhesives and glues used in papermaking, and formaldehyde products.

In 1958, Reichhold moved the manufacturing operations to Tacoma, but maintained offices and laboratories at this location until approximately 1961, when Reichhold's lease with the federal government was terminated. This property (located south of the Site) is currently owned by CalPortland (formerly Glacier).

In 1960, DSI purchased a submerged parcel previously used for log and vessel mooring (Parcels E and F) from Commercial Waterway District No. 1. That parcel extended south into the Glacier Bay Source Control Area. Four years later, in 1964, DSI exchanged the submerged Glacier Bay parcel (Parcel F) with the Port of Seattle (Port) for land adjacent to DSI's southern boundary (Parcel D). The Port had acquired Parcel D from the federal government that same year. Parcel D contains the location of the former waste treatment tank that was present during Reichhold facility operations, as described in Section 3.3.1. The

Port subsequently leased the former Reichhold property to Kaiser Cement for construction of a cement terminal.

In 1965, DSI purchased the parcel (Parcel A) to the west of DSI's original tract from General Construction Company. This was part of a larger parcel (Parcels A and B) that was later sold to AML in 1999.

From the 1940s to April 2007, DSI used portions of the waterway berth areas for shipyard operations. No existing leases or other property use agreements are available for these areas.

Since June 2007, the upland portion of the Site has been used for container storage and truck access by AML. The current layout of the Site and the property boundaries are shown on Figure 2-1, and the property is being marketed for sale for industrial use. Likely future uses include container storage and yard operations, equipment storage, or cargo transshipment operations. Future operation as a commercial shipyard is neither planned nor likely to occur.

The berth and waterway areas adjacent to the DSI Property are owned by the Port as successor to Commercial Waterway District No. 1. The berth area is 150 feet wide. The waterway is 200 feet wide and has a project depth of 30 feet below mean lower low water (MLLW). The U.S. Army Corps of Engineers (USACE) maintains the waterway channel for navigation in conjunction with the Port. As shown in Figure 3-1, portions of former shipyard activities (e.g., dry dock operations) extended into the berth area owned by the Port.

3.2 Shipyard History

Prior to construction of the DSI shipyard facility, the Site consisted of vacant lowland property. King County plat maps and other historical maps show that the DSI Property was located along the western shoreline of the Duwamish River prior to waterway development. An aerial photograph from 1936 (Appendix A) shows the conditions of the Site prior to shipyard construction.

DSI formerly engaged in the repair and maintenance of floating vessels and equipment, including tugboats, barges, dredges, fishing vessels, small passenger vessels, and other types of commercial vessels. The marine railway was constructed at the Site in the early 1940s.

The majority of the vessels worked on at the shipyard in this period were wooden fishing boats. Boats would be pulled up on the railway and could be sidetracked onto timbers on the shore (as shown on the 1958 oblique aerial photograph in Appendix A). DSI frequently sidetracked boats in the fall, worked on them over the winter, and launched them in the spring. The work consisted mainly of wooden hull repairs and painting. DSI ended the sidetracking process in the late 1950s.

Based on aerial photographs (Appendix A), the graving dock (formerly located on AML's property) was originally constructed prior to 1946 and was expanded by 1956. DSI used the graving dock under agreements with General Construction, and then later with AML, between 1955 and January 2007. The completed graving dock was 410 feet long and 138 feet wide. Repairs in the graving dock took place below the surface level of the river. Vessels were floated into the graving dock, after which the tide gates were shut, and the water was pumped out to create a dry work environment. Pumps were used to continuously keep the concrete floor of the graving dock dry due to leaking from the tide gates. DSI installed a containment system in the 1990s to separate pressure wash water from the water that seeps in through the tide gate. AML filled the graving dock with clean fill for upland reuse in 2007.

DSI acquired its first floating dry dock in 1967. This floating dry dock was a small, steel dock that was used until March 2007. DSI acquired a second, larger wooden dry dock in approximately 1969. After this time, most of the vessel dockings were made on the dry docks. DSI sold the large wooden dry dock in 1990 and replaced it with a 1,000-ton steel dry dock that also remained in use until March 2007. Dry dock mooring areas were located within the Port-owned berth areas, as shown in Figure 3-1. The southern dry dock was located within the approximate area of former U.S. Army and Reichhold facility discharges to the LDW via the former 240-foot outfall structure (Appendix B-1). Both dry docks were updated to provide containment for pressure wash wastewater in the 1990s. Wastewater flowed to one end of the dry dock, where it was captured in a collection sump and pumped onshore to a Delta Pollution Control flocculation pretreatment system prior to discharge to the King County sanitary sewer.

During its more recent history, DSI provided services to approximately 60 to 65 vessels per year. The hulls of the vessels being repaired were generally constructed of steel and,

infrequently, aluminum or fiberglass. DSI's ship repair services included machine and electrical work, carpentry, steel fabrication, pipe-fitting, sandblasting, pressure washing, and painting.

DSI ceased use of the DSI Property for any industrial-related activity in April 2007. The two dry docks have been removed from the DSI Property. The upland portion of the property is currently being used by AML for container storage and truck access, with DSI marketing the property for sale for industrial use.

3.2.1 Historical Shipyard Operations and Material Handling by Property Area

The historical shipyard property and operational features are presented in Figure 3-1 and are discussed by individual DSI upland and nearshore property areas. This section also presents material handling activities and potential historical sources of contamination to upland and aquatic media. A summary of historical shipyard operations and potential sources to environmental media by property area is presented in Table 3-1, and a layout of historical site operations and upland and over-water building locations since 1941 are shown in Figures 3-3 through 3-6.

The historical shipyard property and operations are as follows:

- Northwest Area: The historical shipyard facilities in the Northwest Area include the machine shop, storage for spent blasting grit, and a 500-gallon leaded gasoline tank. The machine shop had operations both inside and outside and included small and large parts fabrication, engine work, and pump work. The machine shop building was constructed with a concrete floor. Material use at the machine shop included cutting tool coolant, small parts degreasers, and used oil. Spent blasting grit was stored in a covered shed adjacent to the machine shop. A 500-gallon leaded gasoline underground storage tank (UST) was located between the storage shed and machine shop. The 500-gallon UST was closed in place in 1986.
- Rail Spur Area: This area consists of the end of the former Northern Pacific Railway easement Rail Spur. It is located along the southern property boundary adjacent to the former Glacier/Reichhold/U.S. Army property. The Rail Spur was used for temporary railcar parking related to the Glacier property. This area also included a

wood (joiner) and electrical shop. Concrete floors were added to the joiner and electrical shop when the structure was moved onto the DSI Property in the mid-1960s. DSI used these buildings for vessel interior work, such as carpentry and electrical system and component repair and testing. Materials used included wood stains, varnishes, wiring, switches, breakers, and contact cleaners.

- **Central Area:** This area is located in the center of the Site (Parcel C) and is more than 200 feet from the shoreline. Historical shipyard uses of the Central Area consisted of vehicle parking, the administrative office building, and an underground stormwater line system.
- **2000 UST Removal Area**: This area includes the soils and groundwater in the vicinity of former USTs removed in 2000. A total of four USTs were formerly located in this area: 1) a 3,000-gallon diesel UST; 2) a 1,000-gallon gasoline UST; 3) a 3,000-gallon gasoline UST; and 4) a 3,000-gallon gasoline UST. DSI used the USTs for vehicle and vessel fueling. DSI removed all four USTs in 2000. A focused soil excavation took place at the time of removal, as discussed in Section 3.7.
- **South Property Area**: The South Property Area consists of areas in the southern portion of the DSI Property that borders the former Glacier/Reichhold/U.S. Army property. This area includes buildings used for various storage and paint work. Material handling storage in this area had containment areas for spent blasting grit storage, used oil storage, paint storage, hazardous waste storage, and a solvent still (for paint thinning). Used oil and hazardous waste were transported and disposed of off-site with manifest documentation. Small parts and assembly painting took place in the paint booth with a curtain system for containment.
- **Former Shipyard Nearshore Area:** The Former Shipyard Nearshore Area includes the upland areas at the top of the marine railway. This area is bordered on the water side by a bulkhead. It is located within approximately 150 feet of the shoreline. Historical shipyard operations at the Former Shipyard Nearshore Area consisted of early (1940s and 1950s) vessel side-tracking ways, crane and winch activities, blasting grit handling, wastewater treatment, and the steel and pipe shop. Periodic filling of the nearshore area took place in the early shipyard history up to the current bulkhead. Filling material was reported to be soil, broken concrete, scrap steel, and a USACE-permitted riprap fill.

- **Parcel D Nearshore Area:** This area is located in the southeastern corner of the DSI Property. Historical shipyard operations in this area consisted of miscellaneous storage and a small parts blasting shed. The Parcel D Nearshore Area is also the location of the former Reichhold waste treatment tank and a former U.S. Army and Reichhold shoreline outfall. This outfall was initially connected to septic, laboratory, and surface ditch drainage features during former Reichhold/U.S. Army use, but was not used by DSI. The outfall does not currently discharge stormwater or other materials to the LDW.
- **LDW Aquatic Area:** This area is located adjacent to the property in aquatic areas to the east of the Former Shipyard Nearshore Area bulkhead and Parcel D Nearshore Area. Historical shipyard operations in the Aquatic Area consisted of the marine railway, Dry Dock No. 1, Dry Dock No. 2, a blasting grit hopper, paint mixing sheds, the stormwater outfall (former Outfall 005), and the graving dock. These operations supported the over-water vessel repair and maintenance activities, including blasting, painting, paint mixing (solvent-thinning), material storage, interior installations, and stormwater discharge. DSI collected wastewater generated during vessel blasting and pumped it to the nearshore wastewater treatment system. It then was pumped to the METRO sanitary system.

  Shipyard operations in the aquatic area were inspected and monitored as part of DSI's former NPDES permit (Permit No. WA-003093-7) issued in 1989. By 1996, a centrifugal separation stormwater treatment system was installed at Outfall 005. The historical NPDES permit inspection and monitoring resulted in Ecology enforcement actions relating to waste management practices and monitoring parameter exceedances of metals (copper, lead, and zinc) and turbidity. These enforcement actions documented unintentional releases of blasting grit and wastewater to the LDW sediment from the dry docks and graving dock. In order to address aquatic shipyard operation inputs to sediment, RI activities included sediment testing for the full list of Sediment Management Standards (SMS) testing parameters, including tributyltin (TBT).

3.3 History of Adjacent Facilities

Properties adjacent to the Site, including MRI Corporation/Port (Terminal 115), AML, and the former Glacier/Reichhold/U.S. Army property, are also properties of interest and included within the Glacier Bay Source Control Area. An overview of the history of these nearby facilities is provided in this section and is consistent with information presented in the *Lower Duwamish Waterway Glacier Bay Source Control Area, Summary of Existing Information and Identification of Data Gap* report (SAIC 2007) prepared for the Glacier Bay Source Control Area under the direction of Ecology.

3.3.1 CalPortland/Former Glacier/Reichhold/U.S. Army Property

CalPortland is the current owner of the property located immediately south of the DSI Property. The property is currently operated by CalPortland as a cement terminal, including cement production, storage, and transport. Bulk cement is transported by truck and by barge from a dock and berthing area located on the west side of the waterway adjacent to the CalPortland property. Historical property use included a lumber company, a U.S. Army facility, the Reichhold facility, and cement terminals.

Prior to 1943, the CalPortland property was owned by the Carlisle Lumber Company, which operated a lumber mill at the site. After retrofitting an existing lumber plant, the U.S. Army used the property to the south for production of charcoal filters and Whetlerite. Charcoal manufacturing continued through 1944. A historical layout of buildings and other features associated with U.S. Army operations in the 1940s is shown on the 1956 U.S. Army Real Estate Map (Appendix B-2). Additionally, this map shows the location of a septic drainage line that serviced the main office building and women's and men's restroom buildings (near the former impregnating plant and charcoal/carbon building), which were later converted into laboratories when Reichhold operated at the DSI Property. The drainage line turns north from the warehouse building and connects to a septic tank (currently located on the Site), which then drains east to a former outfall location at the shoreline. The northern portion of the former property is currently owned by DSI and includes the former "open ditch," former railroad spur line #4, former warehouse, and former ammonia tanks. Former surface drainage ditches located in this area of the property may have also drained to the former outfall location at the LDW shoreline. Other drainage ditches and features to the

south collected materials from the upland area of the Reichhold property and drained to another outfall that extended approximately 240 feet out into the LDW (Figure 2-2). Locations of these former U.S. Army buildings and operations are also shown on Figure 3-1 and on Figure 1-2 of Appendix B-1.

The CalPortland property was subsequently leased by the federal government to Reichhold, which used the property to produce PCP plastic polymers for the automobile industry, various wood-preserving resins, adhesives, and glues used in papermaking, and formaldehyde products. Ammonia was also used in Reichhold's operations; however, its use could not be related to a specific product. A historical layout of buildings and other features associated with Reichhold's facility operations are presented in the Glacier/Reichhold *Final Remedial Investigation and Feasibility Study Work Plan* (ERM 2012) and is presented as Figure 1-2 of Appendix B-1. The Reichhold facility utilized the same buildings that were used by former U.S. Army operations, but converted many of the structures to laboratories and storage to support the chemical production activities that occurred between 1945 and 1958. Figure 1-2 of Appendix B-1 does not show the locations of the septic drainage system (except for the former septic tank) and drainage ditches at the northern property area, or the connection to the former outfall location at the LDW shoreline. The former 240-foot outfall is identified on the figure; however, the upland drainage lines have been removed. Based on information provided in Appendix B-1, it is uncertain as to when (or if) these features were demolished during the timeline of Reichhold's facility operations at the property.

Figure 1-2 of Appendix B-1 also identifies the location of a former waste treatment tank located east of the presto log storage (U.S. Army) and dry chemical storage (Reichhold) building. This structure is also shown on the 1958 oblique aerial photograph (Appendix A), and was located on property that is currently owned by DSI. The former 10,000-gallon waste treatment tank was used for management of phenol-containing wastewaters. It is uncertain as to whether there were discharges of wastewater (or chemical wastes) to the LDW from this structure. Locations of the shoreline outfall and 240-foot outfall are also shown on the 1958 oblique aerial photograph.

Residues and wastewaters from PCP manufacturing are typically contaminated with chlorinated dioxins and furans, compounds that have been detected at elevated

concentrations in Glacier Bay sediments. Glacier Bay sediments also contain elevated concentrations of arsenic, carcinogenic polycyclic aromatic hydrocarbons (cPAHs) and polychlorinated biphenyls (PCBs). Elevated PCP, arsenic, copper, diesel range hydrocarbons (TPH-Dx), and dioxin/furan concentrations have been detected in soils on the CalPortland property. Elevated levels of arsenic, PCP, and TPH-Dx are present in groundwater on the CalPortland property.

Extensive Ecology file documentation exists for the former Reichhold facility, including wastewater permit files from the Washington State Pollution Control Commission, Ecology's predecessor. Those files indicate that the Reichhold facility discharged wastewaters into the LDW at two locations, which involved the use of ditches and a septic system from the manufacturing area to the river, and later, a deepwater outfall located immediately upstream of the DSI Property. Historical wastewaters also may have been managed or disposed of in constructed lagoons or basins on the CalPortland property (SAIC 2007).

Environmental complaints and inspection reports from various times during the 1950s referenced the discharge of colored, ammonia-containing, acidic, and phenol-containing wastewaters to the LDW and attributed fish kills to these discharges. In 1958, Reichhold moved the manufacturing operations to Tacoma, but maintained offices and laboratories at the Seattle location until approximately 1961, when Reichhold's lease with the federal government was terminated.

The CalPortland property was subsequently sold to the Port by the federal government. The Port leased the property to a cement corporation for construction of a cement terminal. The facility construction included demolition of the former Reichhold facilities, construction of a loading dock along the waterway, and construction of the cement terminal facility presently located on the CalPortland property.

Several environmental investigations have been performed in upland and aquatic portions of the CalPortland property, and the property is currently under an AO with Ecology for upland and sediment investigation. Upland studies have documented the presence of PCP, arsenic, chromium, and silver in soils and groundwater on the CalPortland property. Elevated arsenic concentrations have been noted in a seep to the LDW in the southern

portion of Glacier Bay. Arsenic, cadmium, lead, mercury, silver, and zinc concentrations were reported in the seep samples. In April 2008, Glacier provided Ecology with a Remedial Activities Summary Report for the Site. The report indicated that subsurface ozone injection (sparging) was performed for seven years at the CalPortland property to treat PCP in soil and groundwater. Following treatment, PCP concentrations initially decreased to below MTCA CULs. However, PCP concentrations subsequently increased above MTCA CULs in one groundwater monitoring well. Subsurface injection of hydrogen peroxide was performed twice in 2000 for treatment of arsenic in soil and groundwater. Arsenic concentrations initially decreased but subsequently rebounded above MTCA CULs.

Aquatic studies have documented elevated concentrations of dioxins/furans in surface and subsurface sediments within the Glacier Bay area (ERM 2012). Sediment samples collected in the waterway near the CalPortland property in 2005 and 2007 contained arsenic, zinc, phthalates (e.g., butylbenzylphthalate), and PCBs at concentrations above the Sediment Quality Standards. High levels of dioxins/furans were also detected in the areas offshore of the CalPortland property.

Maintenance dredging of the in-water berthing area adjacent to the CalPortland property has been conducted by Glacier or its predecessors in 1986, 1993, and 2005 and by CalPortland in 2017. The sediments dredged from the northern portion of the in-water berthing area, which is located closest to the Site, contained elevated concentrations of arsenic, copper, TBT, and other heavy metals.

CalPortland is currently completing an RI/FS for the CalPortland property under an AO with Ecology. It is presumed that the RI for the CalPortland property also will reflect the more restrictive screening levels established by Ecology, which were utilized in this RI Report, and will present the data available from adjacent properties to get a better delineation of the Glacier/Reichhold Site.

3.3.2 MRI Corporation/Port of Seattle (Terminal 115)

The Port-owned Terminal 115 property is located immediately south of the CalPortland property (Figure 2-2). The Terminal 115 property was developed by filling a former bend in

the Duwamish River with dredged sediments and other fill materials. Development of the terminal property was completed during the mid-1960s.

A tin reclamation facility was located in the northwest corner of the Terminal 115 property between 1963 and 1998. The facility operated under several company names, including Mandt Chemicals, MRI Corporation, Proler International Corporation, and Schnitzer Steel Industries. Operations included the reclamation of tin from steel cans and glass sludge, with smelting of the reclaimed tin and production of ingots for sale. Wastes produced at the plant included spent plating solution, "black mud" containing tin residue, and alkaline lacquer sludge containing vinyls, epoxys, tin, and lead.

Before 1972, certain wastewaters were managed in two lagoons located in the eastern portion of the MRI property, adjacent to Glacier Bay. The unlined lagoons reportedly operated by settling and evaporation, with no direct discharges to the Duwamish River noted in site documents. The lagoons are visible in the aerial photograph taken in 1966 (Appendix A). Sludges accumulating in the lagoons were reportedly excavated and sold for reclamation. The lagoons were filled and paved in 1972.

After 1972, wastewaters were managed by discharge to the sanitary sewer. Elevated levels of zinc and lead were noted in wastewater monitoring reports filed between the 1970s and 1990s. Solid wastes were reportedly managed by off-site shipment to reclamation facilities or waste treatment/disposal sites.

Two outfalls are present along the northern end of the Terminal 115 property at the upstream end of Glacier Bay (Figure 2-2). Outfall 2128 is an active, 18-inch concrete outfall located at RM 1.49, which discharges into Glacier Bay. Outfall 2128 drains portions of the Terminal 115 property (Leidos 2014). Outfall 2127 is an active, 48-inch concrete King County combined sewer outfall (CSO) located at RM 1.52. That CSO discharges approximately 3 million gallons of water each year into Glacier Bay. The Terminal 115 CSO basin is approximately 110 acres and includes residential, industrial, and chemical properties (SAIC 2011; Leidos 2014).

3.3.3 Alaska Marine Lines

The AML property is located immediately to the north of the Site. AML operates a containerized freight barge terminal and warehouse, which includes a dock and berthing area. A graving dock was formerly located in the southeast corner of the AML property and was leased to DSI until January 2007. The graving dock was filled in 2007 by AML for upland use. That work included installation of a Contech® stormwater treatment system that consisted of a solids pre-treatment vault followed by a StormFilter® vault designed to treat and remove nutrients, metals, and suspended solids.

AML began operations at the property in 1993 and developed the barge terminal. At that time, the property was regraded and paved, and a concrete dock replaced a former timber dock. AML leased a portion of the former DSI Property, which it subsequently purchased from DSI in 1999 (Figure 3-2).

Environmental conditions at the AML property have been characterized during previous soil and groundwater sampling. Two remedial actions have been conducted at the property, including two UST removals in 1990 and an independent remedial action in 1993 at the portion of the AML property that had been leased from DSI. Hazardous substances detected in soil and groundwater primarily consist of petroleum-related compounds and polycyclic aromatic hydrocarbons (PAHs). Discussions of these remedial actions are provided in Section 3.7.

3.4 Dredging History

The navigation channel in the LDW is maintained by the USACE. Waterway maintenance has been performed since completion of the channel in 1916 to maintain the appropriate depths in the federal navigation channel for commercial vessel traffic (Weston 1999). Figure 3-7 shows the dredging history at the Site with a detail of the deepest dredged contours for the various dredging events. Table 3-2 presents a historical dredging summary with actual dredged volumes and disposal sites. The current project dimensions for the LDW in the vicinity of the Site (and south as far as the First Avenue South Bridge) include a depth of 30 feet below MLLW and a width of 200 feet. The waterway is narrower and shallower in upstream areas south of the First Avenue South Bridge. A Turning Basin is located at the

upstream end of the LDW. Much of the sediment removed during routine navigation dredging occurs in the Turning Basin and in the upper portions of the waterway. Dredging is less common in the federal channel areas near the Site.

Berth areas are not dredged by the USACE as part of waterway maintenance. Berth areas are typically dredged by the Port or by adjacent property owners when additional navigation depth is required for docking or other waterway uses. DSI performed maintenance dredging of the berth areas in 1967 and early 1980s to support dry dock operations. Maintenance dredging has also been conducted at the in-water berthing area located off of the adjacent Glacier property in 1986, 1993, and 2005, as well as potentially during the 1960s, when the cement dock was originally constructed. In 1986 and 1993, dredging was completed to a depth of -35 MLLW. In 2005, dredging was completed to -36 feet MLLW, and 1 foot of clean sand cap material was placed, bringing the final elevation in the dredge footprint to -35 feet MLLW. Glacier (doing business as CalPortland) conducted maintenance dredging adjacent to the Glacier Northwest Seattle Terminal between January 27 and February 14, 2017. The 2017 dredging was completed to -34 feet MLLW (with a 1-foot overdredge). The 2017 dredging extents are shown on Figure 3-7 (Anchor QEA 2017). DSI is unaware of any historical dredging conducted by AML in the area adjacent to the DSI Property.

3.5 Shoreline History/Evolution

Figure 3-8 presents the current top of bank and shoreline features. The shoreline along the western side of the marine railway has been modified with construction of bulkhead structures. Armoring has been placed along other portions of the shoreline in the northern and southern areas of the DSI Property.

In-water and overwater structures are located along the shoreline of the waterway, including the shipyard pier, several mooring dolphins, and a float. DSI ceased using the drydocks formerly moored at the DSI Property in March 2007, and the drydocks were subsequently sold and removed.

3.6 Historical Stormwater Investigations

Historically, environmental sampling data were collected for stormwater at the Site that came into contact with industrial shipyard operations. A discussion of historical stormwater management and reporting is presented in the EPA Section 104(e) response letter dated May 15, 2006, and prepared by DSI. Sampling results are presented in the Glacier Bay Source Control Area report (SAIC 2007). These sampling activities were performed not as part of RIs, but rather under the terms of DSI's former NPDES permit. These data are useful in documenting stormwater management practices during the period of active shipyard operations. However, they do not provide information that is useful to the analysis of current conditions or sediment source control subsequent to shipyard closure.

The DSI stormwater system was constructed in the mid-1970s. Figure 3-1 presents the historical stormwater outfall location (Outfall 005) at the shoreline bulkhead. The following discussion addresses the historical stormwater quality from Outfall 005, as the dry dock and graving dock outfalls specifically related to wastewater management.

Previous stormwater inspection and monitoring activities have included numerous Ecology inspections, DSI discharge monitoring, and observations and sampling by Puget Soundkeeper Alliance. Although the majority of inspection and monitoring activity focused on the dry docks and graving dock wastewater handling, inspection and monitoring of stormwater to Outfall 005 indicated that upland activities contributed contaminant inputs to the stormwater system. Documented upland inputs to the stormwater system included blasting grit and a hand-washing sink from the paint shop.

Historical stormwater monitoring from Outfall 005 involved testing for total suspended solids (TSS), pH, copper, lead, zinc, hardness, turbidity, background turbidity, and oil and grease. This monitoring periodically indicated elevated concentrations of metals (copper, lead, and zinc) and turbidity. In 1995, Ecology required DSI to increase the frequency of stormwater monitoring and implement additional corrective actions, including placement of catch basin inserts, weekly cleaning of paved areas, improving blasting grit storage containment, and enhancing the stormwater treatment system. The historical stormwater treatment system consisted of a centrifugal separator system prior to Outfall 005 discharge at

the bulkhead. In order to assess historical stormwater inputs to sediment, RI stormwater testing included the full list of SMS parameters, including TBT and PCB congeners.

3.7 Previous Remedial Actions

Remedial actions have been performed in upland areas of the Site, including the decommissioning of USTs in two areas and the completion of an independent remedial action in the Parcel B area of the Site (Figure 3-2). The locations of these previous remedial actions are shown on Figure 3-9.

3.7.1 1986 Leaded Gasoline Underground Storage Tank Closure

In 1986, prior to the enactment of the UST regulations (Chapter 173-360 WAC), a 500-gallon UST holding leaded gasoline was closed in place. Based on available information, that UST was first installed in the 1960s. This tank is located within close proximity to a 26-kilovolt, 100-foot-tall power pole and an adjacent building foundation. At the time of the UST closure, a representative from Seattle City Light visited the Site to assess the threat to the power pole. The representative concurred with DSI's concerns and recommended to the Seattle Fire Department that the UST be filled in place. At the time of closure, no subsurface samples were collected. Although closed in place, the UST does appear on a UST list update that was issued by Ecology on August 10, 2006.

3.7.2 1993 Remedial Action

During the development of the parcel previously leased to and subsequently purchased by AML (shown as Areas A and B on Figure 3-2), soil impacted by an unknown release of petroleum product was discovered. Historically, this area of the property (now owned by AML and formerly owned by DSI) was leased by DSI to various entities for storage of used machinery, parking of trucks and trailers, and storage and distribution of lumber.

In August 1993, Environmental Services Limited performed a preliminary site assessment consisting of five soil borings, five test pits, and four monitoring wells (the remaining wells, MW4 and MW5, are shown on Figure 3-9). The results indicated total petroleum hydrocarbon (TPH) constituents in soil and groundwater exceeding MTCA industrial CULs.

In response, DSI contracted with Hart Crowser, Inc. (HCI) in October 1993 to oversee the excavation of approximately 650 cubic yards (cy) of contaminated soil.

During excavation of the impacted soil, several restrictions (a 26-kilovolt buried powerline, a pad-supported power transformer foundation, the graving dock foundation, and the shallow groundwater table) were encountered, limiting the extent of excavation in some areas. After soil removal, 12 confirmation soil samples were collected from the excavation sidewalls. All of these samples met MTCA industrial CULs for semivolatile organic compounds (SVOCs) and eight were below MTCA industrial CULs for TPH gasoline range (TPH-G), TPH-Dx, and TPH motor oil range (TPH-MO). The four samples above MTCA industrial CULs for TPH (Method 418.1) ranged in concentration from 480 to 13,000 milligrams per kilogram (mg/kg). The MTCA industrial CUL at the time of the remedial action was 200 mg/kg. The excavation area was backfilled and capped with asphalt, and an additional monitoring well (shown as MW5 on Figure 3-9) was installed to assess downgradient groundwater quality.

Groundwater samples were collected from MW4 and MW5 over four events in 1994 (two wet and two dry) and one event in February 1999. Analysis of the MW4 data, reported by HCI, indicated a 25 percent reduction in TPH concentrations. For all five sampling events, MW5 met MTCA groundwater CULs for TPH. Benzene, toluene, ethylbenzene, and xylenes (BTEX) were not detected.

3.7.3 2000 Diesel and Gasoline Underground Storage Tank Excavations

In 2000, four USTs containing diesel fuel and unleaded gasoline were excavated and removed. Those four USTs were installed between 1968 and 1979. The excavation was performed by Quality Tank Service, Inc., a certified UST decommissioning contractor. The excavation was also supervised by Roy Kuroiwa, a professional engineer registered in the State of Washington.

During the initial excavation, 60 cy of soil were excavated with the USTs, prior to collection of bottom and sidewall soil samples. Seven of the initial confirmation samples contained concentrations of TPH-Dx, TPH-G, and benzene above MTCA Method A industrial CULs for soil. An additional 20 cy of soil were excavated from these locations, and samples were collected.

Five of the second round of confirmation samples exceeded MTCA industrial CULs. Four of the samples exceeded the TPH-G CUL and one slightly exceeded the benzene CUL. Data documenting results of this testing are provided in the RI/FS Work Plan (Anchor QEA 2010). No groundwater samples were collected as part of the confirmation sampling program.

3.8 Current Operations

DSI ceased vessel maintenance and repair activities at the DSI Property in April 2007. At that time, it relocated the two steel dry docks. DSI demolished several of the upland shipyard storage and office buildings. AML is currently leasing the upland portion of the property for container storage and truck access. The berthing areas are currently being used by AML for barge moorage and vessel layup to support vessel loading and unloading operations conducted at the AML property. In May 2016, AML paved the entire upland portion of the Site with asphalt. The asphalt design included placement of three (3) inches of 1-inch-diameter gravel as a base covered by four (4) inches of asphalt. In order to protect the existing groundwater monitoring wells at the Site, AML surrounded each of the wells with a manhole ring and covered each with a sewer manhole lid. Figure 2-1 presents the current DSI Property layout, extent of recent paving, and key features of the current upland and offshore property use.

3.9 Potential Future Development

Ongoing plans for improvements at the Site include development of a container and equipment storage and handling facility in coordination with the adjacent property owner and current occupant of the Site, AML. These plans include source control, development, and cleanup elements. Source control and cleanup elements will be accomplished prior to or in conjunction with upland redevelopment of the Site. Planned Site redevelopment activities include, but are not limited to, the following (based on coordination with Ecology for cleanup at the Site and permit approvals):

- Potential construction of retaining walls (e.g., steel sheetpile walls) or a new bulkhead to maintain stability of the upland area during any upland contaminated soil removal activities and to support future sediment area cleanup activities.
- Stormwater collection and treatment system construction to capture and treat all Site stormwater to levels that meet permit discharge requirements. AML currently

manages stormwater compliance for its operations on the DSI Property under NPDES Permit No. WAR001365. It has implemented a Level 3 corrective action for treatment best management practice (BMP), which include the two Contech® vaults, settling tanks, and the StormwateRx® Aquip system, to improve the quality of stormwater discharges.

4 ENVIRONMENTAL SETTING

This section describes the environmental setting of the Site. Information discussed in this section includes physical Site features, Site geology and hydrology, and LDW sediment characteristics.

4.1 Physical Conditions

Physical conditions of a site are relevant because they have the potential to affect the fate and transport of contaminants. Physical conditions discussed below include the Site topography and bathymetry (Section 4.1.1) and surface water (Section 4.1.2).

4.1.1 Site Topography and Bathymetry

The topography of the DSI Property is relatively flat, ranging from approximately elevation 14 to 17 feet MLLW (Figure 2-1). Figure 4-1 also shows Site topography and bathymetry and presents the current top of bank and shoreline features. The shoreline along the western side of the marine railway has been modified with constructed bulkhead structures.

Armor material (rock, concrete, and gravel) has been periodically placed along other portions of the shoreline in the northern and southern areas of the Site.

In-water and overwater structures are located along the shoreline of the waterway, including the shipyard pier, several mooring dolphins, and a float. DSI ceased using the dry docks formerly moored at the Site in March 2007, and the dry docks were subsequently sold and removed.

4.1.2 Surface Water

The LDW is a stratified, saltwater wedge estuary influenced by freshwater flow and tidal effects that generally flows north to Elliott Bay, though the river flow is subject to periodic reversal due to tidal influences. The waterway receives the majority of its flow from the Green River, which originates at the crest of the Cascade Mountains near Stampede Pass and flows through Howard Hanson Dam (RM 65) and Tacoma Headworks Dam (RM 61). Average annual discharge from the Duwamish Waterway is 65.2 to 66.7 cubic yards per

second (cy/s), measured at the U.S. Geological Survey Tukwila gauging station, with flow rates varying from 5.6 to 430 cy/s at the Auburn gauging station from 1962 to 1994 (NOAA 1998).

Most of the LDW discharge (i.e., 80 percent) enters Elliott Bay via the West Waterway due to the presence of a sill on the East Waterway (Weston 1999). Flow rates are greatest in the winter because of seasonal precipitation and lowest throughout the late summer dry season. Streamflow can be increased by surface water sources, such as storm drains, CSOs, industrial effluents, and nonpoint source inputs, although these sources of flow are expected to be less than 1 percent of total discharge, even during peak flow events (Windward 2003).

Surface water runoff from paved surfaces on the Site was historically captured in a stormwater conveyance system that was discharged at the existing DSI outfall location (Outfall 005), shown on Figure 2-1. In 2009, AML conducted stormwater system improvements in the uplands. In 2011, AML rerouted the stormwater to a series of treatment systems located to the southeast of the former graving dock (Figure 2-1). All DSI Property stormwater is now combined with AML stormwater, treated on AML property, and then discharged at the AML stormwater outfall. AML currently manages the NPDES Permit No. WAR001365 for discharge of stormwater at both the DSI and AML properties.

In March 2012, AML performed storm sewer line repairs at the DSI Property, both to correct damage that occurred to the line near the shoreline outfall, and to support AML's continued use of the uplands area (Anchor QEA 2012). AML installed a new catch basin and via overland pump and transport, rerouted stormwater from the new catch basin to DSI's sump near Outfall 005 to bypass the portion of damaged stormwater line, to minimize the need for excavation, and to maintain control of stormwater collected at the DSI Property. The existing catch basin was abandoned and filled with concrete. AML also repaired a section of old upland stormwater line in order to tie into improvements made to the upland stormwater drainage system in 2009. The configuration of stormwater line repair, catch basin installation, and stormwater rerouting is shown on Figure 1 of the letter from Anchor QEA to Ecology, dated June 6, 2012 (Anchor QEA 2012). A small soil stockpile was sampled for waste profiling purposes. All soil concentrations for analytes tested were below MTCA Method A CULs. Attachment B to the June 6, 2012 letter (Anchor QEA 2012) provides

analytical reports for soil stockpile materials. Following completion of trench and catch basin location excavation, placement of new stormwater lines and concrete catch basin structure, and receipt of analytical data from the soil stockpile sample testing, the excavation area was backfilled with the stockpiled soil. No soil was removed from the DSI Property as part of the stormwater system repair and improvement activities. The current stormwater line configuration on the DSI Property is shown on Figure 2-1.

4.2 Geology and Hydrogeology

The geology and hydrology of the Site and surrounding vicinity are described as follows. The information set forth below is based on information presented in existing environmental reports.

4.2.1 Geologic Setting

The Site is located within the floodplain of the Duwamish Valley, in the southern part of the Puget Sound Lowland, a broad, relatively level glacial drift plain dissected by a network of deep marine embayments. The Duwamish Valley is a former marine embayment that has been filled with sediment since the most recent period of glaciation, the Pleistocene Age Vashon Glaciation (Luzier 1969). The Duwamish Valley is bounded to the east and west by glacial drift uplands.

Approximately 360 feet of alluvium, consisting of clay, silt, and sand, fills the Duwamish Valley. The alluvial deposits generally overlie the Pleistocene Age Vashon Drift, which ranges in thickness from 0 to approximately 200 feet in the Duwamish Valley. The Vashon Drift is composed of sand and gravel glacial outwash deposits overlying a compact silt, clay, sand, and gravel till. In some areas of the Duwamish Valley, the Vashon Drift is absent, and Pre-tertiary and Tertiary bedrock (undifferentiated sedimentary, metamorphic, and igneous rock) directly underlies the recent alluvial deposits (Richardson et al. 1968).

The portion of the Duwamish Valley where the Site is located has undergone extensive excavation and filling since the early 1900s. The extent of excavation and filling varies from property to property. The property is located along and consistent with the original shoreline of the Duwamish River, such that the extent of fill activity is less than at other

nearby properties (i.e., fill thicknesses are greater at properties located in former river bends and side channels).

The Site geology has been defined by a number of RI soil borings performed during investigations in 2006, 2009, and 2013. Figure 4-2 illustrates a schematic geologic cross section of the Site. The surface is underlain by a relatively thin layer of fill, which consists of compact gravel and gray and brown sand that ranges in grain size from very fine to coarse. The fill extends from approximately 2 to 10 feet below ground surface (bgs) in the upland areas. Boring logs identify a pervasive silt layer at the base of the fill, which may represent the uppermost extent of native soil. The extent of the silt layer was identified by several deeper borings and extends to an approximate depth of 12 to 15 feet bgs. Organic material (e.g., plant roots) is also present in this silt layer. Sand content increases in the silt layer along the eastern portion of the Site near the shoreline. Underlying the silt layer is gray sand with intermittent silt interbeds and layers. The shoreline in the eastern portion of the Site has been modified by armoring and bulkheading.

4.2.2 Hydrogeologic Setting and Groundwater System

Regional groundwater flow is typically toward the LDW. Recharge to the water table aquifer is primarily by direct infiltration of precipitation and periodic contributions from streams during high-stage periods (Richardson et al. 1968). Based on the presence of an impermeable silt layer at depth throughout the Site, deeper (i.e., generally over 15 feet bgs) groundwater aquifer conditions are considered to be confined. Regional groundwater conditions include both confined and unconfined aquifers (Washington Division of Geology and Earth Resources 1989).

Site-specific groundwater gradients were defined during the 2009 upland investigation. Due to Site access restrictions, insufficient groundwater elevation data were collected as part of subsequent RI monitoring events in 2014 and 2015 (other than the data collected during the July 2014 monitoring event). Because the 2009 tidal study represents the most robust groundwater elevation data set available for the Site, the 2009 groundwater elevation data are used to define groundwater contours for the Site. The 2009 investigation included the installation of one piezometer and 10 monitoring wells, with three of the 10 monitoring wells installed in the deeper aquifer (screened at 30 to 40 feet bgs). A transducer study was

conducted over a 96-hour period at seven locations on the Site and one location in the LDW, as presented on Figure 4-3. Based on the results of the transducer study, groundwater gradients are generally easterly, toward the LDW. Tidal fluctuation of groundwater elevations occurs Site-wide, resulting in tidally-influenced groundwater along the nearshore area prior to discharge into the LDW. Figures 4-3 and 4-4 present the results of the transducer study and show the groundwater contours for high-high and low-low tide events, respectively. A hydrograph of the tidal study is presented on Figure 4-5. Groundwater contours on Figures 4-3 and 4-4 are only shown for shallow monitoring wells (i.e., those screened approximately 5 to 15 feet bgs); deep groundwater is not contoured because the transducer study only included measurements from one deep well (DSI-MW-03). Raw transducer data from the 2009 event are included as Appendix C-3.

Based on the results of boring observations and groundwater monitoring, groundwater levels at the Site ranged from approximately 4 to 11 feet bgs with lower water levels at the nearshore area during low tide. Results of the transducer study indicate a site-specific hydraulic conductivity (K) ranging from approximately 100 to 750 feet per day, consistent with K-values in the sandy fill material observed in shallow borings. An approximate vertical gradient was calculated using measurements from paired locations DSI-PZ-01 (shallow well) and DSI-MW-03 (deep well). The well screens for these two locations have a 25-foot vertical distance between the midpoints. Testing showed a downward vertical gradient (shallow to deep) of approximately 0.015 feet per foot, though the confining silt layer beneath the Site likely inhibits flow from shallow to deeper groundwater zones. Gradients have not been independently calculated for shallow and deep groundwater zones.

4.2.3 Estuarine Features

The LDW is a stratified, saltwater wedge estuary influenced by freshwater flow and tidal effects (Stoner 1972). The saltwater wedge, which has its source in Elliott Bay, oscillates upstream and downstream with the tide and stream flow. During periods of low freshwater inflow and high-tide stage, the saltwater wedge has extended as far upstream as the Foster Bridge at RM 8.7. The relative influence of freshwater flow is highly seasonally dependent. Freshwater moving downstream overlies the tidally driven saltwater wedge. Typical of saltwater wedge estuaries, the LDW has a sharp interface between the freshwater outflow at the surface and saltwater inflow at depth. The 25-part-per-thousand salinity layer near the

river mouth occupies most of the water depth, but tapers toward the upriver portion of the estuary. Freshwater inflow exerts a strong influence on the relative thicknesses of the two layers. The thickness of the freshwater layer increases with increasing river flow rates throughout the LDW.

Saltwater enters the LDW principally through the lower water column of the West Waterway. The saltwater wedge discharges into the flowing surficial freshwater lens as a result of upward entrainment of saline water across the interface separating the two layers. To replace the entrained saltwater, the net transport of the salt wedge is in the upstream direction, even if the salt wedge is stationary. Dye studies indicate that downward vertical mixing over the length of the saltwater wedge is almost nonexistent (Schock et al. 1998). Tidal forcing superimposes an additional velocity component associated with the migration of the salt wedge upstream and downstream in response to tidal cycles. Santos and Stoner (1972) described how the upstream location or "toe" of the saltwater wedge, which is typically located between Slip 4 and Turning Basin 3 (approximately 1.5 to 3.3 miles upstream of the Site, respectively), is determined by both tidal elevation and freshwater inflow.

4.3 Lower Duwamish Waterway Sediment Characteristics

Characteristics of the LDW regarding estuarine features, bathymetry and shoreline conditions, physical sediment characteristics, hydrodynamic conditions, previous maintenance dredging efforts, and natural resource receptors are presented in the following sections. These topics are discussed further in the LDW RI (Windward 2010).

4.3.1 Sediment Geology and Stratigraphy

The geology of the Duwamish River basin has been described in detail in the Lower Duwamish Waterway Group RI Reports (Windward 2003, 2010) and this section presents a summary of the LDW geology. The Duwamish basin is composed of four main geologic assemblages, which include bedrock (where it exists), upland glacial and non-glacial deposits, Quaternary alluvial deposits, and recent fill. Of these, the alluvial and fill deposits were encountered during this study. The alluvial deposits include estuarine fine sands and silts, as well as interbedded sequences of silt, sand, and gravel associated with the advance of a

prograding delta. These deposits comprise the principal aquifer and groundwater pathway for the Duwamish River basin. The fill units were created when modifications were made to the Lower Duwamish River post-1900 to support navigation needs in the waterway. The channel was straightened and dredged, and the lowlands were filled using the dredged material, creating a layer of fill over most of the lower Duwamish Valley. The channel is still dredged for navigational purposes.

The primary sediments encountered during the LDW RI (Windward 2003, 2010) were further grouped as Recent Alluvium and Fill Deposits, Upper Alluvium, and Lower Alluvium. This stratigraphic convention was used to describe Site geology, along with an additional category to distinguish surface sediment.

4.3.1.1 Recent Alluvium (and Fill)

The sediment composition of the Recent Alluvium, as based on investigation-derived grain size analyses, indicates that this unit is predominantly composed of silt (> 95 percent) and very fine to fine sand (< 5 percent), and includes occasional organic material (wood fibers and fragments). These findings are consistent with those from the LDW RI Subsurface Sediment Data Report (Windward 2007a), which indicates that unit thickness varies based on location within the LDW and can range from 3 to 20 feet. These deposits are associated with dredged material from channelization, as well as fluvial deposits from upriver sources.

4.3.1.2 Upper Alluvium

The Upper Alluvium unit consists predominantly of very fine to fine sand (22 to 86 percent) and silt (22 to 79 percent), associated with interbedded and prograding deltaic deposits. Silt commonly occurs within laminated beds. These findings are consistent with the LDW RI Subsurface Sediment Data Report (Windward 2007a), which further indicates that these younger alluvial deposits are of relatively constant thickness and depth.

4.3.1.3 Lower Alluvium

The Lower Alluvium unit typically consists of sands and silty sands, with grain sizes ranging from very fine to coarse sand (15 to 76 percent) and up to 84 percent silt, as indicated by select grain size analyses. These findings are consistent with the LDW RI Subsurface

Sediment Data Report (Windward 2007a), which further indicates that the maximum unit thickness is up to 100 feet in the central Duwamish Valley. These sediments are associated with the coarser portion of prograding deltaic deposits.

4.3.2 Sediment Transport

Sediment transport within the LDW is influenced by many variables, including hydrodynamic forces attributable to the salt wedge, sediment loading from upstream and upland sources, channel morphology, and resuspension processes, such as propeller scour, bioturbation, bed shear stress, and dredging. Sediment deposition and resuspension have been assessed in the LDW during previous investigations. The LDW RI (Windward 2003, 2010) compiled and summarized these assessments.

The following sections summarize the LDW RI findings with respect to sediment transport properties river-wide and in the vicinity of the Site.

4.3.2.1 River Currents and Propwash

Several organizations have independently measured current velocities within the LDW as part of a wide range of environmental investigations (Santos and Stoner 1972; Stevens et al. 1972; Stoner et al. 1975; Prych et al. 1976; Harper-Owes 1983; Weston 1993; Parametric 1999).

The most extensive current velocity measurements within the LDW were collected by King County for a 3-month period beginning in August 1996, recording currents at approximately 3 feet above the mudline at 15-minute intervals at two stations (Parametric 1999) using acoustic Doppler methods. The net flow velocities and short-term velocity fluctuations within the upper (freshwater) and lower (saltwater) layers were characterized. The velocity profiles showed a net seaward flow (positive values) in the upper freshwater half of the water column and net upstream flow in the lower saline half of the water column. No bottom water speed greater than 60 centimeters per second (cm/s; the upper range of assumed threshold current for sediment bed movement) was observed during the recording interval. The 50th, 90th, and 95th percentile speeds for station SBW were 17, 33, and 37 cm/s,

respectively. Measured currents exceeded 40 cm/s (the bottom range of assumed threshold current for sediment bed movement) less than 3 percent of the time at station SBW.

LDW RI studies have demonstrated that under all tidal conditions and design flood events (i.e., 2-, 10-, and 100-year storms), the salt wedge in the LDW extends upstream from the Site. Sediment deposition is facilitated by the interaction of the salt wedge with the overlying freshwater (Windward 2003). Freshwater moving downstream overlies the tidally driven saltwater wedge. When fresh river water encounters the salt wedge, the freshwater no longer applies a shear stress to the riverbed, but instead applies a stress to the top of the salt wedge, causing the bed load to deposit. This results in sediment movement (with associated chemicals) upstream during flood tide conditions, and potential deposition adjacent to the Site under the appropriate hydraulic and tidal conditions discussed above. The salinity also increases sediment deposition by increasing particle flocculation (Windward 2003).

4.3.2.2 Sediment Transport Evaluations

The LDW Phase I RI evaluated previous sediment transport investigations conducted in the LDW to determine which parameters contribute to sediment transport. The results of the evaluation indicate that the sources of sediment in the reach of the LDW in the vicinity of the Site potentially originate from both upstream and downstream locations depending on the tidal cycle and the hydraulic characteristics.

The most long-term sediment mobility study was conducted by Harper-Owes (1983), which compiled and synthesized the available flow and suspended sediment loading data collected within the LDW from 1960 to 1980 to assess river-wide sediment sources. During this period, the Green River (upstream of the LDW) was the predominant source of sediment loading, contributing approximately 99 percent of the total sediment load entering the LDW. The remaining 1 percent was contributed from local sources along the LDW (e.g., upland runoff and a variety of discharges). The study determined that the majority of the sediment input to the LDW occurred during peak flow events (i.e., sediment solids loading increased significantly during peak discharges).

As reported by Harper-Owes (1983), the LDW has been a net sink for sediments during all river flow conditions from 1960 to 1980. Sediments deposited within the LDW have either contributed to steady accretion of the bed or have been removed from the system (disposed of off-site) through routine channel maintenance and berth dredging operations (Windward 2003). These results are consistent with the findings of the more recent sediment transport model (STM) developed for the LDW, described below.

A three-dimensional STM (QEA 2008) was developed to simulate water flow and sediment erosion and deposition over a range of flow and tidal conditions for the LDW site. The STM estimated that, on average, over 200,000 metric tons of sediment enters the LDW each year, and that approximately 25 percent of the incoming sediment remains in the LDW (as newly deposited material) after dredging. Based on the STM, approximately 99 percent of the sediment entering the LDW is from upstream, and approximately 1 percent is directly discharged into the LDW via storm drains, CSOs, and small streams. Although direct discharges to the LDW only account for approximately 1 percent of the sediment load to the LDW, the contaminant concentrations in these sediments are much higher than in the sediments coming in from upstream.

Erosion and sediment deposition rates predicted by the STM are summarized in the ROD for the LDW (Figure 2; EPA 2014). Results from the STM indicate that the LDW is a net depositional environment, with annual sedimentation rates typically greater than 1 centimeter per year (cm/yr) in subtidal areas and less than 1 cm/yr in intertidal areas of the LDW. Sediments adjacent to the DSI Property (i.e., between RM 1.3 and 1.4) have an annual net sedimentation rate of 1 to 2 cm/yr. According to the STM, routine vessel operations in shallow and berthing areas of the LDW (including those adjacent to DSI) cause localized propwash scour to depths of 22 to 60 centimeters (cm); routine vessel operations in the LDW navigation channel are predicted to mix sediments to a depth of 1 to 2 cm. The STM's predictions are corroborated by sediment data collected in the same LDW locations over time, which indicate that natural recovery is occurring in some areas of the LDW (EPA 2014).

5 REMEDIAL INVESTIGATION ACTIVITIES

This section provides an overview of the RI activities that were performed in multiple phases. In 2006, a Preliminary Site Investigation was conducted in response to data requests from Ecology to assess the nature and extent of soil and groundwater contamination at the Site. The results of the 2006 Preliminary Investigation were used to develop the RI/FS Work Plan (Anchor QEA 2010). In 2009, Phase 1 of the RI was conducted in the upland area of the site and included soil sampling and analysis, monitoring well installation, groundwater sampling and analysis, and a tidal study to establish Site groundwater gradients. In 2011, Phase 1 of the RI was conducted in the aquatic area of the Site and included both surface and subsurface sediment sampling and analysis. In 2011, DSI submitted a *Phase 1 Remedial Investigation Data Memorandum* to Ecology (Anchor QEA 2011a), which summarized the results of all Phase 1 upland and sediment RI activities.

In 2013, an SRIWP was submitted to Ecology (Anchor QEA 2013), which identified potential remaining data gaps from Phase 1 of the RI, and proposed additional data collection activities required to complete the RI data set. The SRIWP was approved by Ecology in May 2013. Supplemental Remedial Investigation (SRI) sampling activities began in July 2013 and were completed in January 2015. The SRI activities included additional soil investigation, monitoring well installation, four quarters of groundwater monitoring, stormwater and catch basin solids sampling, groundwater seep reconnaissance and sampling, a UST and septic tank investigation, and surface and subsurface sediment sampling in the former marine railway and LDW areas.

5.1 Remedial Investigation Soil Investigations

Multiple phases of soil sampling have been conducted as part of the RI. Figure 5-1 shows the locations of RI soil borings. Details of each phase of RI soil sampling are discussed in the following subsections.

5.1.1 2006 Preliminary Site Investigation

A preliminary soil and groundwater investigation was conducted at the Site in 2006 in response to data requests from Ecology. As required by Ecology in its letters dated July 10, 2006 (Ecology 2006a) and August 3, 2006 (Ecology 2006b), DSI conducted the investigation

to assess the nature and extent of soil and groundwater contamination at the Site. The investigation was conducted in September 2006 in accordance with the Ecology-approved Preliminary Investigation Work Plan (Anchor Environmental 2006).

The 2006 Preliminary Site Investigation included sampling soil from 12 temporary soil borings (two soil samples were collected from each location). Sampling locations from the 2006 Preliminary Site Investigation are shown on Figure 5-1. Soil samples from the 2006 Preliminary Site Investigation were analyzed for volatile organic compounds (VOCs), SVOCs, pesticides, total PCBs, PAHs, metals, and TPH. Additional 2006 soil sampling details are provided in Table 5-1. Soil boring logs from the 2006 Preliminary Site Investigation are included as Appendix C-1. The results of this investigation are discussed in Section 7.3.

5.1.2 2009 Phase 1 Upland Site Investigation

The 2009 Phase 1 Upland Site Investigation was performed to supplement the results of previous investigations at the Site, and to fill data gaps identified in the RI/FS Work Plan (Anchor QEA 2010). Phase 1 RI activities included soil sampling from 20 temporary boring locations (two to three soil samples were collected from each location). Sampling locations from the 2009 Phase 1 Upland Site Investigation are shown on Figure 5-1. Phase 1 upland soil samples were analyzed for TPH, metals, BTEX, and SVOCs. Additional Phase 1 RI soil sampling details are provided in Table 5-1. Phase 1 RI soil boring logs are included as Appendix C-1. The results of this investigation are discussed in Section 7.3.

5.1.3 2009 Geotechnical Soil Borings and Testing

Two upland geotechnical borings were completed as part of Phase 1 RI activities in 2009 using a hollow-stem auger drill rig. Subsurface soil samples were collected consistent with ASTM procedures (ASTM D 1452) using a split-spoon sampler at these locations. Geotechnical information was collected in order to evaluate the stability of the shoreline slope, and to provide information relevant to evaluating potential remediation options to be developed in the FS. The locations of geotechnical soil borings are shown in Figure 5-1. Sampling and testing details are summarized in Table 5-1. Geotechnical boring logs are included as Appendix C-1. The results of this investigation are discussed in Section 7.3.

5.1.4 2013 Supplemental Remedial Investigation Soil Investigation

The SRI soil investigation was performed in 2013 to address RI data gaps identified in the SRIWP (Anchor QEA 2013). Thirty-one soil borings were advanced as part of the SRI, as shown on Figure 5-1 and summarized in Table 5-2. Seventeen of these borings were temporary soil borings and 14 were permanent borings completed as monitoring wells. In addition, soil test pit transects were completed in two areas: adjacent to a suspected historical septic tank and adjacent to a decommissioned underground septic tank, as shown on Figure 5-1 and summarized in Table 5-2.

All SRI soil borings were completed using sonic drilling methods. In accordance with the SRIWP, all borings were advanced beyond the native soil contact, and samples were collected from at least three discrete depth intervals in the fill unit, one depth interval in the underlying native silt, and, where practicable, an additional depth interval below the first native material. SRI soil samples were analyzed for priority pollutant metals, PAHs, SVOCs, VOCs, PCB Aroclors, TPH (including TPH-G, -Dx, and -MO), pesticides, TBT, hexavalent chromium, and dioxins/furans, as summarized in Table 5-2. Additional SRI soil sampling details are provided in Table 5-1. RI soil boring logs are included as Appendix C-1.

In accordance with the SRIWP, soil test pit transects were conducted to locate a historical underground septic tank along the southern DSI Property boundary and a historical UST in the northwestern corner of the Site. Based on information from historical maps, soil test pit transects were excavated in each area, observations were recorded, and shallow soil samples were collected adjacent to (and downgradient of) each identified tank (Figure 5-1). Test pit soil samples were analyzed for priority pollutant metals, PAHs, SVOCs, VOCs, PCB Aroclors, TPH (including TPH-G, -Dx, and -MO), TBT, and hexavalent chromium, as summarized in Table 5-1. Final soil test pit logs are included as Appendix C-1.

RI soil results are presented in Section 7.3.

5.2 Remedial Investigation Groundwater Investigations

Several groundwater sampling events have been conducted as part of the RI. Figure 5-1 shows the locations of all Site groundwater monitoring wells. Details of each phase of RI groundwater sampling are discussed in the following subsections.

5.2.1 2009 Phase 1 Remedial Investigation Groundwater Sampling

Ten groundwater monitoring wells, including three deep (30 to 40 feet) nearshore wells and seven shallow (5 to 15 feet) wells, were installed throughout the Site as part of the 2009 Phase 1 upland RI effort (Figure 5-1). In addition, one piezometer well (DSI-PZ-01) was installed to assist in the evaluation of hydrogeologic properties at the Site; this well was not sampled during Phase 1 of the RI. The three nearshore monitoring wells were installed with a deeper screen interval (30 to 40 feet bgs) in order to evaluate deep groundwater conditions and Site groundwater gradients. In accordance with the RI/FS Work Plan (Anchor QEA 2010), all wells installed during Phase 1 of the RI were sampled during a single low-tide event in July 2009. Nearshore groundwater sampling was performed at least 4 days after monitoring well development and at low tide in order to limit any potential influence by tidal mixing. Phase 1 RI groundwater samples were analyzed for dissolved metals, SVOCs, VOCs, and TPH. Field measurements included temperature, pH, dissolved oxygen (DO), oxidation reduction potential (ORP), and conductivity. Additional Phase 1 RI groundwater sampling details are summarized in Table 5-1. Monitoring well logs are included in Appendix C-1. The results of this investigation are discussed in Section 7.4.

5.2.2 2014 to 2015 Supplemental Remedial Investigation Groundwater Sampling

Groundwater sampling was conducted as part of the SRI to address Phase 1 RI data gaps identified by Ecology. Groundwater samples were collected from all existing Site monitoring wells and piezometers that had been installed in 2009, as well as from 14 new monitoring wells—11 shallow (5 to 15 feet) and three mid-depth (20 to 30 feet) wells—that were installed during this phase of the RI. In accordance with the SRIWP, all new wells installed as part of the SRI were developed prior to sampling and were sampled using low-flow methodology. Well depths and screen intervals for all Site wells are outlined in Table 5-2, and well locations are shown on Figure 5-1.

SRI groundwater monitoring was performed during four quarterly collection events that occurred in January 2014, April 2014, July 2014, and January 2015, to evaluate potential seasonal variations in groundwater quality. Due to Site access restrictions, insufficient groundwater elevation data were collected from Site wells during the four quarterly monitoring events, other than the data collected during the July 2014 monitoring event. During the monitoring events from 2014 to 2015, groundwater levels were measured at the time of sampling, but not always during the same low-tide interval. Because the 2009 tidal study represented the most robust groundwater elevation data set available for the Site, the groundwater elevation data collected during that study were used to define groundwater gradients at the Site.

In response to Ecology requirements, SRI groundwater samples were analyzed for total and dissolved metals, PAHs, SVOCs, VOCs, PCB Aroclors, TPH (including TPH-G, -Dx, and -MO), pesticides, TBT, hexavalent chromium, dioxins/furans, total dissolved solids (TDS), TSS, and alkalinity. Field measurements included temperature, pH, DO, ORP, and conductivity. Additional Phase 1 RI groundwater sampling details are summarized in Table 5-2. Monitoring well logs are included in Appendix C-1. RI groundwater results are discussed in Section 7.4.

During the SRI, existing Site monitoring wells DSI-MW-01 and DSI-MW-03 were decommissioned as a result of damage. Ecology was notified of the damaged wells and approved the decommissioning of both wells in December 2013. In accordance with Ecology communications, neither well was sampled prior to decommissioning or replaced as part of the SRI.

5.2.3 2013 Supplemental Remedial Investigation Seep Sampling

To address required data gaps identified by Ecology, a reconnaissance survey was performed during low tide conditions in July 2013 to check for seeps along the eastern shoreline areas of the Site. Several seeps were identified during the low tide inspection and appeared suitable for seep water sampling. In accordance with the SRIWP, the locations of all identified seeps were described in a field logbook and photographed, and the coordinates were recorded using a Differential Global Positioning System (DGPS). Sampling locations are shown on Figure 5-1. A peristaltic pump was used for sample collection at all three locations. Sample

analyses included total and dissolved metals, PAHs, SVOCs, VOCs, PCB Aroclors, TPH (including TPH-G, -Dx, and -MO), dioxins/furans, TBT, hexavalent chromium, pesticides, TDS, and TSS. Due to limited sample volume at seep location DSIP2-SP-03, Ecology (through agency personnel who were present for oversight during sampling) agreed to a reduced list of analytical parameters for this sample. Where practicable, field parameters were measured prior to sampling and included DO, temperature, conductivity, pH, and ORP. Field parameters were not measured at DSIP2-SP-03 due to limited volume. Additional sampling details are summarized in Table 5-2. Seep sampling logs are included in Appendix C-1. RI seep results are discussed in Section 7.4.1.

5.3 Stormwater and Catch Basin Solids Investigation

One catch basin solid sample and several stormwater sampling events were conducted as part of the RI. Figure 5-1 shows the location of the catch basin where the solids and stormwater samples were collected. Details of each phase of RI groundwater sampling are discussed in the following subsections.

5.3.1 2013 to 2014 Supplemental Remedial Investigation Stormwater and Catch Basin Solids Sampling

Stormwater and catch basin solids sampling were conducted as part of the SRI in 2013 and 2014 to address data gaps identified by Ecology. In accordance with the SRIWP, stormwater and catch basin sampling were performed at the final catch basin prior to overland routing of Site stormwater for off-site treatment, as shown on Figure 5-1.

Stormwater was sampled during four qualifying events that occurred on December 12, 2013, March 14, 2014, April 8, 2014, and April 16, 2014. Stormwater sampling was conducted using procedures consistent with Ecology's stormwater sampling guidance (Ecology 2010). Visual inspection occurred at the sampling location during every event (e.g., observations of floating materials, visible sheen, discoloration, turbidity, and odor in the stormwater discharge). It was originally proposed that stormwater collection occur during the first two hours of a storm event that met the following conditions provided by Ecology:

- Preceded by at least 24 hours of no more than trace (0.04-inch) precipitation
- Intensity of at least 0.15 inches of rainfall over a 5-hour period in a 24-hour period

- At least 75 percent of the storm event hydrograph, or at least 75 percent of the first 24 hours

As of January 2014, only one stormwater sample had been collected due to the infrequency of storm events that met the criteria in the SRIWP. On January 24, 2014, Anchor QEA sent Ecology a Memorandum (Anchor QEA 2014) requesting that Ecology modify the acceptable stormwater collection criteria to correspond to the general sampling requirements contained in the NPDES Industrial Stormwater General Permit (Ecology 2010). Those criteria require that stormwater samples be collected within the first 12 hours of a stormwater discharge event. Ecology approved this change, and the last three samples were collected under these parameters.

Stormwater samples were analyzed for priority pollutant metals (total and dissolved), PAHs, SVOCs, VOCs, PCB Congeners, TPH (including TPH-G, -Dx, and -MO), TBT, and dioxins/furans. Field measurements included DO, temperature, pH, and turbidity. Additional sampling details are summarized in Table 5-2. RI stormwater results are discussed in Section 7.6.2.

One catch basin solids sample was collected from the sump when there was no precipitation or accumulated water in order to support collection of all grain sizes present in the catch basin. Catch basin solids were sampled on October 18, 2013, and analyzed for priority pollutant metals, PAHs, SVOCs, VOCs, PCB Aroclors, TPH (including TPH-G, -Dx, and -MO), TBT, dioxins/furans, total organic carbon (TOC), and grain size (GS). Additional sampling details are summarized in Table 5-2. RI catch basin solids results are discussed in Section 7.6.1.

5.4 Remedial Investigation Sediment Investigations

Multiple phases of sediment sampling were performed as part of the RI. Figure 5-2 shows the locations of all sediment samples collected in the aquatic area of the Site. Details of each phase of RI sediment sampling are discussed in the following subsections.

5.4.1 2011 Phase 1 Sediment Investigation

5.4.1.1 Surface Sediment Sampling

A total of 11 surface sediment samples were collected in the aquatic area adjacent to the DSI Property during the Phase 1 RI effort completed in 2011. Surface sediment samples were collected using Van Veen methodology. Detailed sampling procedures are described in the approved Sampling and Analysis Plan (SAP; Anchor QEA 2011b). No deviations were encountered during completion of surface sediment sampling. Surface sediment samples were collected for chemical and physical testing from the 0 to 10 cm biologically active zone at the locations presented on Figure 5-2. Table 5-3 presents a summary of the surface sediment locations and sampling scheme details, including a summary of the chemical and physical testing parameters.

Observations of physical impacts or conditions (such as apparent grain size, color, odor, density, layering, anoxic contact, and presence of sheen, shells, wood, and other debris) were recorded for each sample and are provided in Appendix C-1. The surface sediment samples were analyzed for the SMS list of chemical parameters, bulk and porewater TBT, total PCBs, pesticides, priority pollutant metals, hexavalent chromium, VOCs, and selectively for dioxins/furans. A summary of the sampling details is provided in Table 5-4. The results of this investigation are discussed in Section 7.5.

5.4.1.2 Subsurface Sediment Sampling

A total of 13 subsurface sediment core locations were completed in the aquatic area adjacent to the DSI Property during the Phase 1 RI effort in 2011. Those locations are shown in Figure 5-2. Subsurface sediment sampling was performed consistent with the SAP (Anchor QEA 2011b) using a vibratory core sampler (vibracore). The purpose of the sampling was to obtain chemical and physical data to further define the vertical nature and extent of contamination in subsurface sediment at the Site. Chemical testing of subsurface sediment samples included conventional parameters, SVOCs, VOCs, metals, total PCBs, TBT, pesticides, and selective testing for dioxins/furans. A summary of the sampling details is provided in Table 5-4. Subsurface core logs are included as Appendix C-1. The results of this investigation are discussed in Section 7.5.

5.4.2 2013 Supplemental Remedial Investigation Sediment Investigation

5.4.2.1 Surface Sediment Sampling in the Lower Duwamish Waterway

Supplemental RI surface sediment sampling was conducted in 2013 to address data gaps identified by Ecology. A total of 13 surface sediment samples were collected from the 0- to 10-cm biologically active zone at locations in the LDW presented on Figure 5-2. Samples were collected using Van Veen grab methodology in accordance with the SRIWP. Sediment samples were analyzed for SMS metals, SVOCs, VOCs, PCB Aroclors, pesticides, bulk/porewater TBT, hexavalent chromium, and dioxins/furans. Physical testing parameters included total solids (TS), TOC, total volatile solids (TVS), GS, and moisture content (MC). Additional sampling details are summarized in Table 5-4. RI surface sediment results are discussed in Section 7.5.

One proposed sampling location, DSIP2-SS-13, was not collected due to safety access issues. At the time of sampling, the safety concerns were communicated to Ecology, and an alternative station was proposed. Ecology determined that the alternative location was too far from the original location to provide helpful information for the RI in lieu of the original sample. Ecology acknowledged to Anchor QEA that it was not feasible to access the original DSIP2-SB-13 location during the sampling event.

5.4.2.2 Subsurface Sediment Sampling in the Lower Duwamish Waterway

Supplemental RI subsurface sediment sampling was conducted in 2013 to address data gaps identified by Ecology. A total of 13 subsurface cores, co-located with the surface sediment locations, were collected using vibracore methodology (Figure 5-2). Subsurface sediment sampling was performed in accordance with the SRIWP (Anchor QEA 2013). Continuous subsurface sediment samples were collected from at least four depth intervals in each core and analyzed for SMS metals, SVOCs, VOCs, PCB Aroclors, pesticides, bulk and porewater TBT, hexavalent chromium, and dioxins/furans. Physical testing parameters included TS, TOC, TVS, GS, and MC. Additional sampling details are summarized in Table 5-4. Subsurface core logs are included as Appendix C-1. RI surface sediment results are discussed in Section 7.5.

One proposed sampling location, DSIP2-SB-13, was not collected due to safety access issues. At the time of sampling, the safety concerns were communicated to Ecology, and an alternative station was proposed. Ecology determined that the alternative location was too far from the original location to provide helpful information for the RI in lieu of the original sample. Ecology acknowledged to Anchor QEA that it was not feasible to access the original DSIP2-SB-13 location during the sampling event.

5.4.2.3 Sediment Sampling in the Former Marine Railway Area

Supplemental RI surface and shallow subsurface sediment sampling was conducted in 2013 to address data gaps identified by Ecology. A total of five surface and four shallow subsurface sediment samples (e.g., to 2 feet below mudline) were collected beneath the former marine railway area, as shown on Figure 5-2. Only shallow (e.g., 2-foot) subsurface samples were collected in this area due to vessel access restrictions and safety concerns (e.g., vibracoring and/or borings in this area were not feasible). Surface and shallow subsurface sediment samples were collected using a hand coring device in accordance with the SRIWP. Former marine railway area sediment samples were analyzed for SMS metals, SVOCs, VOCs, PCB Aroclors, pesticides, bulk and porewater TBT, hexavalent chromium, and dioxins/furans. Physical testing parameters included TS, TOC, TVS, GS, and MC. Additional sampling details are summarized in Table 5-4. Subsurface core logs are included in Appendix C-1.

5.5 Remedial Investigation Tidal Investigation

Anchor QEA installed two piezometer wells and 10 permanent monitoring wells during the Phase 1 upland investigation to assist in evaluation of hydrogeologic properties at the Site. One piezometer well (DSI-PZ-01) was installed in the center of the Site (Figure 5-1), and the other well was installed within the LDW for reference.

The 10 monitoring wells and two piezometer wells installed during Phase 1 of the RI were surveyed at the time of installation. As part of the RI tidal investigation, initial groundwater elevations were measured using a water level indicator. Recording pressure transducers were installed in six selected monitoring wells and in the upland and river piezometer wells. Groundwater elevations were measured over a 96-hour period. The transducer installed at the river piezometer well location (attached to a stationary dock piling) was used to record

surface water levels in the LDW. Measurements from the pressure transducers were processed to determine tidal efficiencies and lags in each well, and to assess the mean groundwater gradients over a 96-hour tidal cycle. A summary of the RI tidal investigation is discussed in Section 4.2.2.

6 SITE SCREENING LEVELS

This section presents the derivation of screening levels against which constituent concentrations in soil, groundwater, and sediment are compared for the purpose of defining the nature and extent of chemicals at the Site that may pose a potential risk to human health or the environment.

The RI screening levels directed to be used by Ecology are very restrictive and address the full range of potentially applicable exposure pathways and receptors under current and foreseeable future uses of the Site. For any media, RI screening levels will not be set below background concentrations or below the practical quantitation limits (PQLs) in accordance with MTCA. Further, natural background concentrations for common urban contaminants (e.g., metals and dioxins/furans) are considered in evaluation of the data collected during the RI. An exceedance of a screening level does not indicate that cleanup is required (nor that a CUL for that constituent will be determined), but may indicate that additional assessment is warranted. Additional data evaluation will be done during subsequent steps of the MTCA cleanup process to support Ecology's determination of CULs or RALs for the Site, in accordance with the MTCA regulations (Chapter 173-340 WAC).

The following subsections identify the range of groundwater, soil, and sediment exposure pathways and receptors considered, as well as outline the associated RI screening levels and their derivation. Figure 6-1 schematically depicts the media and exposure pathways considered in development of screening levels for the Site.

The LDW Superfund Site borders the Site to the east.

The ROD issued for the LDW Superfund Site (EPA 2014) identified sediment RALs necessary to achieve protection of human health and the environment. A detailed summary of the EPA-approved RALs for intertidal and subtidal elevation sediments is provided in Figures 19 and 20 of the ROD. The RALs were developed to achieve the necessary reductions in the spatially-weighted average concentrations (SWACs) in sediment and long-term sediment CULs identified in the ROD, applicable or relevant and appropriate requirements (ARARs), and target fish tissue concentrations. The targeted SWAC reductions account for system-wide risk reduction to both human health and ecological receptors applied at the appropriate

exposure scale (e.g., point-based versus waterway-wide) for each receptor and each COC shown to cause unacceptable risks in the baseline risk assessments. Furthermore, RALs directly account for waterway-wide specific conditions that influence risk reduction to the various receptors and implementation of a successful sediment remedy, such as upstream source control, sediment elevations, potential for sediment bed scour, and the appropriate vertical depth of compliance.

The long-term sediment CULs identified in the ROD are goals and are subject to the evaluation of risk reduction efforts over time. Based on this information, and to ensure consistency with the ROD, the RALs are the most site-specific and applicable sediment screening levels for use in the LDW; however, Ecology directed that DSI employ the long-term CULs set forth in the ROD as screening levels versus the human health and ecological risk-based RALs presented in the ROD for the LDW (EPA 2014). In addition, while the determination of Site CULs will be developed in accordance with MTCA (Chapter 173-340 WAC), DSI anticipates that the final sediment CULs for the Site will be based on the CULs in the ROD, though the RALs are likely to be used to identify the footprint for active remediation.

6.1 Overview of Exposure Pathways and Receptors

An exposure pathway describes the mechanisms by which human or ecological exposure to site contaminants can occur under current (baseline) conditions, assuming no remedial action or protective control is in place. To be considered complete, an exposure pathway must include the following:

- An identified source of contaminant(s)
- A mechanism for contaminant release and transport from the source
- An exposure route where contact with the contaminant can occur
- A receptor that can be exposed to the contaminant

An exposure pathway is considered complete if a human or ecological receptor can be exposed to a contaminant via that pathway.

The following subsections describe exposure pathways for contaminants in groundwater, soil, and sediments at the Site. Exposure pathways considered for RI screening level development are also summarized in Figure 6-1.

6.1.1 Groundwater Exposure Pathways

Assuming industrial future land uses, current and future potentially complete exposure pathways for groundwater include the following:

- **Human direct contact:** Workers contacting contaminated groundwater during excavation or other construction-related activities if no worker protection controls are in place
- **Ecological:** Direct exposure for benthic and aquatic organisms in the LDW if groundwater contaminants migrate and discharge to marine sediment and surface water
- **Human consumption:** Humans consuming organisms contaminated by discharges of contaminated groundwater to marine sediment and surface water

Groundwater at the Site is not a practicable source of potable water under current and foreseeable future conditions. Both groundwater and surface water at the Site are non-potable based on MTCA criteria (WAC 173-340-720[2]); see Section 6.2.1.1 for non-potability determination. As such, the human use of groundwater at the Site for drinking water purposes is not considered a current or future potentially complete pathway.

Human inhalation of volatilized contaminants from shallow groundwater (i.e., through vapor intrusion) is considered a complete exposure pathway for the Site. However, in accordance with Ecology's Vapor Intrusion Guidance (Ecology 2016a), "if the chemicals present at the site are toxic and volatile, but the contamination is far from any occupied existing or planned building, vapor intrusion is not currently posing a threat to indoor receptors, [then] there is no further need to assess the pathway." Current Site conditions and plans for future redevelopment of the Site include paving of the property, negligible disturbance of shallow Site soils, and no new structures/buildings where human workers would be exposed to contaminated indoor air as a result of vapor intrusion. Therefore, site-specific groundwater

screening levels were not developed to address protection of the groundwater to vapor intrusion/inhalation pathway.

6.1.2 Soil Exposure Pathways

Assuming industrial future land uses, current and future potentially complete exposure pathways for soil include the following:

- **Human dermal contact/ingestion:** Workers or visitors contacting contaminated soils (skin contact and incidental ingestion) during industrial activities at the Site if no protection controls are in place
- **Soil-to-groundwater:** Contaminants in soil may leach to groundwater, therefore MTCA Method B levels are calculated for soil that are protective of Site groundwater (and therefore surface water)
- **Soil-to-sediment:** Erosion and runoff of surficial/bank soils to LDW sediments if no controls (i.e., capping or shoreline bulkhead improvements) are in place

Human inhalation of soil vapors (i.e., through vapor intrusion) is considered a complete exposure pathway for the Site. However, in accordance with Ecology's Vapor Intrusion Guidance (Ecology 2016a), "if the chemicals present at the site are toxic and volatile, but the contamination is far from any occupied existing or planned building, vapor intrusion is not currently posing a threat to indoor receptors, [then] there is no further need to assess the pathway." Current Site conditions and plans for future redevelopment of the Site include paving of the property, negligible disturbance of shallow Site soils, and no new structures/buildings where human workers would be exposed to contaminated indoor air as a result of vapor intrusion. Therefore, site-specific soil screening levels were not developed to address protection of the soil to vapor intrusion/inhalation pathway.

Terrestrial wildlife exposure to soil is not considered a complete exposure pathway for the Site. Documentation of the terrestrial ecological evaluation (TEE) exclusion for the Site is provided in Appendix C-4. This Site qualifies for the following primary exclusion under WAC 173-340-7491(1)(b), which states:

> All soil contaminated with hazardous substances is, or will be, covered by buildings, paved roads, pavement, or other physical barriers that will prevent

> plants or wildlife from being exposed to the soil contamination. To qualify for this exclusion, an institutional control shall be required by the department under WAC 173-340-440. An exclusion based on planned future land use shall include a completion date for such future development that is acceptable to the department.

Current Site conditions and plans for future redevelopment of the Site include paving of the property, which limits terrestrial wildlife exposures. Pending completion of the FS, if contaminated soil is left in place as part of future cleanup action, institutional controls will be required to maintain the pavement in order to prevent wildlife exposure to underlying, potentially contaminated soil after the cleanup action is implemented.

6.1.3 Sediment Exposure Pathways

Several Site contaminants have been detected at elevated concentrations and exceed the SMS Sediment Cleanup Objective (SCO) criteria in surficial and subsurface sediments in the LDW. SCO exceedances in the LDW sediment areas adjacent to the Site are potentially related to releases and historical operations at the Site and to releases from other sources located along the LDW, in part because the exceedances are co-located with contaminated sediment (i.e., by primary LDW COCs, including total PCBs, arsenic, cPAHs and dioxins/furans) within the LDW Superfund Site.

As described in the ROD (EPA 2014) for the LDW, contaminated sediments adjacent to the DSI Property will be remediated under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process for the LDW by dredging and engineered capping.

Assuming industrial future land uses, current and future potentially complete exposure pathways for sediment include the following:

- **Benthic organisms:** Direct exposure for benthic and aquatic organisms present in the biologically active zone (0 to 10 cm below the mudline)
- **Higher trophic level organisms:** Food chain effects associated with the potential bioaccumulation of contaminants

- **Human direct contact/ingestion:** Humans potentially contacting contaminated surface sediments (e.g., through dermal contact or incidental ingestion) during commercial netfishing and/or clamming at the Site
- **Human consumption of seafood:** Humans consuming organisms contaminated by marine sediment

According to Table 6 of the ROD (EPA 2014), human direct contact with sediments during commercial net fishing is considered to be a complete pathway for the entire LDW and is therefore considered a complete pathway for the Site. The ROD (Figure 6, EPA 2014) also identifies beach play areas (intertidal areas accessible from shore) and potential clamming areas (areas where clams are present) that were used in the LDW human health risk assessment. No areas of the Site are identified as potential beach play areas. A small (0.1 acre) potential clamming area was identified by EPA along the shoreline in the southeast corner of the Site (Appendix C-5). Despite the small size, current industrial Site conditions, and the presence of extensive shoreline armoring/riprap, all of which may inhibit potential clamming activities in this area, the human direct contact pathway for sediments adjacent to the DSI Property associated with potential clamming activities is considered potentially complete and is included in screening level development (Figure 6-1).

6.2 Derivation of Screening Levels by Media

The basis for establishing RI screening levels for groundwater, soil, and sediments is described in the following subsections. General assumptions used in the derivation of screening levels include the following:

1. **Current/future use of Site as industrial:** Industrial operations and activities have been conducted at the Site since 1941 (see Section 3.1) and at adjacent properties both prior to and after 1941. The Site is zoned for general industrial use by the City of Seattle, and is anticipated to remain industrial for the foreseeable future. On this basis, the upland portion of the Site meets the criteria of an industrial property under WAC 173-340-200, which defines industrial properties as "properties that are or have been characterized by, or are to be committed to, traditional industrial uses such as processing or manufacturing of materials, marine terminal and transportation areas

and facilities, fabrication, assembly, treatment, or distribution of manufactured products, or storage of bulk materials, that are either:

- Zoned for industrial use by a city or county conducting land use planning under chapter 36.70A Revised Code of Washington (RCW) (Growth Management Act [GMA]); or
- For counties not planning under chapter 36.70A RCW (GMA) and the cities within them, zoned for industrial use and adjacent to properties currently used or designated for industrial purposes."

Land use planning conducted under the GMA by the City of Seattle and King County considers any property zoned for industrial use as an industrial property.

To be considered an industrial property, the Site also meets the following characteristics pursuant to WAC 173-340-745(1)(a)(i):

- People do not live on the property, and the primary potential exposure route is to adult employees of industrial businesses operating on the property
- Access to the property by the general public is generally not allowed and/or is highly limited and controlled
- Food is not normally grown or raised on the property
- Operations are often, but not always, characterized by the use and storage of chemicals, noise, odors, and truck traffic
- Land surface of the property is paved to minimize potential exposure to soil
- Support facilities such as offices, restaurants, and other facilities may be present on site, but are primarily devoted to administrative functions necessary for the industrial use

As described in Section 3.8, AML currently is leasing the upland portion of the DSI Property for container storage and truck access. People do not live on the Site, and workers or visitors are the only receptors who have the potential to be in contact with contaminated soils or groundwater during industrial activities at the Site. Food is not grown or raised on the upland portion of the Site, and operations at the Site are characterized by container and bulk cargo storage, truck traffic, and the loading and

unloading of barges for transport to Alaska. Facilities at the Site are designated for administrative operations only, necessary for the industrial uses, and there are no residential or recreational areas on or adjacent to the Site. The land surface at the Site, which is currently covered by paving, riprap, or gravel, and will be fully paved with structural material after any soil removal is completed, already prevents (and will prevent in the future) any potential exposure to soil. The Site is a secured facility, surrounded by a fence, with strict employee-only access, and access by the general public to the aquatic portion of the Site is also controlled or prohibited.

Potential future development (see Section 3.9) encompasses ongoing plans for improvements at the Site. Those plans include development of a container and equipment storage and handling facility by the adjacent property owner and current occupant of the Site, AML.

2. **Groundwater and surface water are not potable:** The groundwater beneath the Site is nonpotable and is hydraulically connected to the LDW, which is also nonpotable. Therefore, the highest beneficial use of Site groundwater is discharge to surface water. See Section 6.2.1.1 for the nonpotability determination.

6.2.1 Groundwater Screening Levels

Site-specific groundwater screening levels were developed in accordance with the methods described in Ecology's 2016 technical memorandum *Groundwater cleanup levels for upland sites along the Lower Duwamish Waterway* (Ecology 2016b; Groundwater Memo). For constituents analyzed at the Site, Table 6-1 presents the specific ARARs used to derive Site specific screening levels. In accordance with the Groundwater Memo (Ecology 2016b), the most stringent of those criteria are applied as the groundwater screening levels for this RI. In cases where the most stringent screening level value was below the laboratory PQL for a given chemical, the PQL was selected as the screening level. If the resulting screening level was below the natural background concentration (e.g., for arsenic), the background groundwater concentration was selected as the screening level. This section presents the derivation of the RI groundwater screening levels.

6.2.1.1 Highest Beneficial Use of Site Groundwater

The most beneficial current or potential use of Site groundwater is the discharge to marine surface water in the LDW. The LDW is a marine surface waterbody classified as nonpotable by both EPA and Ecology. Groundwater at the Site qualifies as nonpotable based on the criteria in WAC 173-340-720(2), as described below:

- ***WAC 173-340-720(2)(a): The groundwater does not serve as a current source of drinking water.***

  Drinking water at the Site is currently supplied by the City of Seattle. Drinking water supply wells are not known to exist at this Site or in the vicinity of the Site. The closest potable well is a Class A municipal drinking water well (293 feet deep) located approximately 4.5 miles to the south in the City of SeaTac (King County 2009). In addition, West Seattle Reservoir is the nearest reservoir, located upgradient and approximately 1.5 miles southwest of the Site. Based on the King County Well Log Viewer, uses of groundwater for drinking water purposes (WAC 173-201A-602) have only been reported north of RM 4.9 (Turning Basin).
- ***WAC 173-340-720(2)(b): The groundwater is not a potential future source of drinking water.***

  As a result of the LDW estuarine environment (sourced in Elliott Bay), Site groundwater contains elevated concentrations of salinity and TDS, making it impractical for use as drinking water. For example, wells DSI-MW-07, DSI-MW-10, and DSIP2-25 had TDS concentrations of 23,400 milligrams per liter (mg/L), 26,200 mg/L, and 11,500 mg/L, respectively, during the January 2015 monitoring event; these concentrations are above the MTCA potability threshold (10,000 mg/L) under WAC 173-340-720(2)(b)(ii).
- ***WAC 173-340-720(2)(c): The department determines it is unlikely that hazardous substances will be transported from the contaminated groundwater to groundwater that is a current or potential future source of drinking water, as defined in (a) and (b) of this subsection, at concentrations which exceed groundwater quality criteria published in Chapter 173-200 WAC.***

  and

  WAC 173-340-720(2)(d): Even if groundwater is classified as a potential future source of drinking water under (b) of this subsection, the department recognizes that there may be sites where there is an extremely low probability that the groundwater will be

> *used for that purpose because of the site's proximity to surface water that is not suitable as a domestic water supply. An example of this situation would be shallow groundwater in close proximity to marine waters such as on Harbor Island in Seattle.* The LDW, which is adjacent to the Site, consists of saline water and qualifies as a marine waterbody. Based on the RI work at the Site, there are known or projected points of entry of the groundwater into the surface water [WAC 173- 340-720(2)(d)(ii)], as shallow groundwater discharges into surface water through seeps along the shoreline and deep groundwater flows towards the LDW. In addition, shallow and deep aquifers are found to be sufficiently hydraulically interconnected with the LDW [WAC 173- 340-720(2)(d)(iv)]. Salt water from the LDW intrudes into these aquifers, and withdrawal of Site groundwater would potentially draw saline water into the water-bearing zone beneath the Site. As a result, groundwater from the shallow and deep aquifers is also classified as nonpotable and cannot practicably serve as a current or future source of drinking water [WAC 173- 340-720(2)(d)(iii)].

Based on Site-specific conditions, anticipated future industrial use of the Site and surrounding areas, and applicable state regulations that restrict the installation of groundwater supply wells, drinking water is not a practicable future use for Site groundwater. Therefore, groundwater screening levels applied in this RI are the most stringent values based on protection of the adjacent marine environment (surface water and sediment). The derivation of groundwater screening levels is described in the following section.

6.2.1.2 Protection of Marine Surface Water

Considering the factors presented above, RI groundwater quality data are compared against groundwater screening levels that are the most stringent criterion based on protection of marine surface water. In accordance with MTCA [WAC 173-340-720(1)(c)], groundwater screening levels protective of surface water incorporate MTCA surface water CULs, including criteria from other applicable state and federal laws (see, e.g., WAC 173-340-730) (Table 6-1).

For protection of marine surface water quality, screening levels are the most stringent of aquatic life criteria (marine chronic), and human health criteria for consumption of aquatic organisms under state and federal laws, including the following:

- **Washington State Surface Water Quality Standards** (WAC 173-201A-240). Ecology adopted new and revised human health surface water criteria on August 1, 2016 (Ecology 2016c). Pursuant to EPA's authority under Clean Water Act (CWA) Section 303(c), EPA reviewed the state's new and revised human health surface water quality standards. On November 15, 2016, EPA issued a letter to Maia Bellon, the Director of Ecology, partially approving and partially disapproving of Washington's human health water quality criteria and implementation tools (EPA 2016). That letter included the CWA-effective human health surface water criteria applicable to Washington that were approved by EPA. Those criteria (specifically, for human health consumption of organisms only), which became effective on December 15, 2016, are used in this RI to develop groundwater screening levels.
- **Federal National Recommended Water Quality Criteria** pursuant to Section 304(a) of the CWA, including values which were added and/or revised by EPA in June 2015 (Federal Register 2015).
- **Federal National Toxics Rule** (40 Code of Federal Regulations [CFR] 131.36, adopted in 1992) because Washington State does not fully comply with Section 303(c)(2)(B) of the CWA.
- **MTCA Method B surface water cleanup levels (Standard Formula Values)** (WAC 173-340-730(3)) are calculated using the default fish consumption rate in MTCA (54 grams per day [g/d]) and the default fish diet fraction (FDF; 0.5), which assumes that half of the fish consumed are from the Site.
- **MTCA Method B surface water cleanup levels (Adjusted for LDW Fish Consumption Rate)** (WAC 173-340-730(3)) are calculated using the seafood consumption rate (97.5 g/d) and FDF (1) from the ROD (EPA 2014). The total excess lifetime cancer risk for carcinogens were adjusted to one in one hundred thousand (1×10^{-5}) in accordance with the procedures in WAC 173-340-730(5)(b). Adjusted MTCA Method B CULs are considered only if sufficiently protective human health-based surface water criteria or ARARs have not been established under applicable state and federal laws, in accordance with WAC 173-340-730(3)(b)(iii). If a sufficiently protective ARAR exists for a compound, "ARAR" is displayed for that compound in

the "Comparison of Surface Water, Method B, Most Restrictive" column of Table 6-1. If a sufficiently protective ARAR is not available, the calculated MTCA Method B (Adjusted) surface water CUL is shown.

6.2.1.3 Protection of Marine Sediment

The RI groundwater screening levels must protect against recontamination of marine sediment quality, assuming that groundwater contaminants transported from the Site (upland) would partition from groundwater to sediment within the biologically active zone, which is defined for the adjacent LDW site as the uppermost 10 cm of sediment below the mudline.

For long-term protectiveness of marine sediment quality (to ensure that chemicals will not accumulate above protective LDW levels), and in accordance with Ecology's Groundwater Memo (Ecology 2016b), groundwater screening levels are calculated using the three-phase model equation from MTCA (Equation 747-1; WAC 173-340-747), rearranged to solve for the protective groundwater concentration:

$$Cw = Cs/((UCFxDF)x(Kd + (\Theta w/\rho b)))$$

where:

Cs = sediment concentration (site-specific sediment screening level; mg/kg dry weight)

Cw = sediment porewater concentration (i.e., protective groundwater concentration; micrograms per liter [µg/L])

UCF = unit conversion factor (1 milligram [mg]/1,000 micrograms [µg])

DF = dilution factor (dimensionless); used a value of 1 for saturated sediment per WAC 173-340-747(4)(e)

Kd = distribution coefficient (liters per kilogram [L/kg])

= Koc x foc (for hydrophobic organics per equation 747-2 in WAC 173-340-747(4))

Θw = water-filled porosity (milliliter water/milliliter soil); used a value of 0 for saturated sediment per WAC 173-340-747(4)(e) and the Groundwater Memo (Ecology 2016b)

ρb = dry soil bulk density (kilograms per liter [kg/L]); calculated using a particle density of 2.65 grams per cubic cm and assuming that the sediment volume not occupied by water-filled porosity is solid sediment particles (1.02 kg/L; per the Groundwater Memo [Ecology 2016b])

When using the above three-phase model, it is conservatively assumed that the contaminants in the groundwater would end up in the sediment porewater at the same concentration as in the groundwater, are in chemical equilibrium with the sediments, are present as individual chemicals, and are fully bioavailable. For organic chemicals that partition to sediment organic carbon, a fractional organic carbon (foc) of 0.019 (1.9 percent), which is the average foc reported for LDW sediments in the LDW RI Report (Windward 2010), is applied, and the established sediment organic carbon-water partitioning coefficients (Koc) are used. For hydrophobic organics, an organic sediment-water distribution coefficient (Kd) is derived using Equation 747-2 in MTCA (WAC 173-340-747), where Organic Kd = Koc x foc. For inorganics (e.g., metals), the calculation uses the dry weight sediment screening level and the established Kd. Distribution and partitioning coefficients are taken from Ecology's Cleanup Level and Risk Calculation database (https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx), downloaded in March 2017. Table 6-1 summarizes groundwater criteria protective of marine sediment. The derivation of site-specific sediment screening levels is discussed in Section 6.2.3.

6.2.1.4 Specific Considerations

Specific considerations apply for TPH compounds. Currently, TPH screening levels for groundwater protective of surface water do not exist. In addition, LDW CUL and marine SCO values are not available for the lighter end compounds in gasoline, but are available for individual compounds such as PAHs found in heavier petroleum fractions (TPH-Dx and TPH-MO) to calculate groundwater concentrations of individual compounds protective of marine sediments. Therefore, groundwater CULs based on MTCA Method A will be used as the groundwater screening levels, protective of marine surface water and sediment at 800 µg/L based on presence of benzene for TPH-G, and 500 µg/L for TPH-Dx, TPH-MO, and total diesel and motor oil range hydrocarbons (Table 6-1).

6.2.2 Soil Screening Levels

Soil screening levels depend on current and planned uses of the Site, which, in accordance with MTCA, can be divided into industrial use and everything else (unrestricted, which includes residential). The current use of the Site is industrial and meets the requirement of a "traditional industrial use" under MTCA (WAC 173-340-745). DSI's and tenant AML's planned future use of the Site is industrial, and the redevelopment plans are ongoing. In addition to direct contact exposure to soil, the soil screening levels also need to address soil leaching to groundwater that discharges to marine water and sediment, soil leaching to groundwater, and soil erosion to marine sediment. The analytical data for Site soil are compared against site-specific soil screening levels developed in this RI. Derivation of the site-specific soil screening levels is described in the following subsections.

Soil screening levels are the most stringent concentration based on human-direct-contact, soil-leaching-to-groundwater, and soil erosion to marine sediment exposure pathways. The values considered for those exposure pathways are described as follows. For constituents analyzed for at the Site, Table 6-2 presents the ARARs from which soil screening levels are derived, along with the most stringent of those criteria, which are applied as the screening levels for this RI. In cases where the most stringent screening level value was below the PQL for a given chemical, the PQL was selected as the screening level. If the resulting screening level was below the soil natural background concentration (i.e., for metals or dioxins/furans), the background concentration was selected as the soil screening level.

6.2.2.1 Direct Contact Pathway

Soil concentrations protective of human direct contact (i.e., select Method A soil CULs) are included as an ARAR for the Site based on current and planned Site use. MTCA Method A CULs are only retained for TPH, as no other ARARs are currently available for TPH. MTCA Method C CULs, though typically appropriate for industrial sites, are not as stringent as MTCA Method B criteria, and therefore were not retained to develop site-specific soil screening levels. MTCA Method C CULs will be retained as an ARAR for use in developing CULs during the FS.

6.2.2.2 Soil Leaching Pathway

Soil leaching pathway soil concentrations protective of groundwater's highest beneficial use are calculated using Ecology's variable parameter, three-phase partitioning model [WAC 173-340-747(5)] and using the most stringent groundwater screening level protective of marine surface water quality and marine sediment quality (Table 6-2). Values are developed for saturated soil only, but will be applied to both saturated and vadose zone soils at the Site. MTCA-default parameters [WAC 173-340-747(4) and (5)] are used in the three-phase model.

It is important to recognize that the RI soil screening levels derived to protect groundwater discharging to the marine environment are extremely conservative in terms of actual soil leaching risk to the marine environment. The derived soil screening levels are back-calculated from a groundwater concentration applicable at the point of marine exposure (sediment biologically active zone). This RI applies the MTCA groundwater standard point of compliance (i.e., throughout the aquifer), not a conditional point of compliance where groundwater actually discharges to the marine environment (point of exposure).

6.2.2.3 Erosion to Marine Sediment Pathway

Soil screening levels must protect against recontamination of marine sediment quality through erosion (e.g., of bank soils) to surficial LDW sediment. To address the soil erosion to sediment pathway, the Site-specific sediment screening levels (i.e., based on the sediment CULs in the ROD and marine benthic SCOs) are included as an ARAR for protection of LDW sediment adjacent to the Site (Table 6-2). The basis for sediment screening levels is discussed in Section 6.2.3.

6.2.3 Sediment Screening Levels

The LDW Superfund Site borders the Site to the east. The ROD issued for the LDW Superfund Site (EPA 2014) identified sediment CULs for contaminant concentrations that will be used to measure the success of the cleanup alternatives in meeting the LDW Remedial Action Objectives, thereby protecting human health and the environment. A summary of the EPA-approved sediment CULs for LDW sediments are provided in Tables 19 and 20 of the ROD. The LDW sediment CULs are based on ARARs and other information

such as toxicity information from the LDW baseline risk assessments. LDW sediment CULs for ecological (benthic invertebrate) COCs are based on the benthic SCO in the SMS (WAC 173-204-562). LDW sediment CULs for human health and ecological (higher trophic species) COCs are based on natural background levels and risk-based threshold concentrations.

Table 6-3 presents the ARARs from which sediment screening levels are derived, along with the sediment screening levels selected for this RI. Sediment screening levels for all SMS parameters and LDW COCs evaluated as part of this RI are applied at the Site to both surface and subsurface sediments. To ensure consistency with the ROD, the LDW sediment CULs are used as the Site-specific sediment screening levels, where available. For chemicals not identified as COCs in the ROD, the benthic SCO from the SMS or other ARAR is used. TBT is identified as an indicator chemical (IC) in sediment at the Site (see Section 7.2), even though it is not listed as a sediment COC in the ROD for the LDW. Since no other ARAR exists, the TBT criteria used for screening purposes in this RI is from the Dredged Material Management Program (DMMP) User's Manual (USACE 2016).

As discussed in Section 6.1.3, a small potential clamming area was identified by EPA in the ROD along the shoreline in the southeast corner of the Site (Appendix C-5). Despite the small size, current industrial Site conditions, and the presence of extensive shoreline armoring/riprap, all of which may inhibit potential clamming activities in this area, the human direct-contact pathway for sediments adjacent to the DSI Property that are associated with potential clamming activities is considered potentially complete and is included in screening level development. As such, the sediment screening level selected for total cPAHs (150 micrograms per kilogram [µg/kg] dry weight) is the risk-based threshold concentration from the ROD that is protective of the human direct-contact pathway associated with clamming. To date, no samples have been collected in the potential clamming area identified by EPA (see Appendix C-5). Confirmation sampling in this area may be required following remedial actions to ensure that the clamming pathway at the Site has been sufficiently addressed.

7 NATURE AND EXTENT OF CONTAMINATION

7.1 Chemicals of Concern

RI data were compared to the Site-specific screening levels previously derived in Section 6 for soil, groundwater, and sediments. Chemicals that were present at concentrations exceeding media-specific screening levels with detected or undetected results in one or more samples were identified as Chemicals of Potential Concern (COPCs). Based on the list of COPCs, and relying on the representativeness of the RI data for the Site, a statistical analysis was conducted for selected media (soil, groundwater, and sediment) to identify COCs.

Tables 7-1 through 7-4 summarize the Site COPCs and COCs by media and their associated screening level. Supporting RI data summary statistics used on the multi-tier screening process to derive COPCs and COCs are presented in detail in Appendix D. Laboratory analytical and data validation reports for RI samples are included as Appendices E and F, respectively.

7.2 Indicator Chemicals

Consistent with WAC 173-340-703, indicator hazardous substances (herein referred to as ICs) may be selected to focus Site RI evaluations. ICs are a subset of Site COCs that aid in characterizing the nature and extent of contamination of the Site for the following reasons:

- ICs pose the greatest human health and ecological risks
- ICs have the largest contamination footprint, where addressing these COCs will result in cleanup of other COCs that are less frequently detected, lower in concentration, or have a smaller footprint
- ICs represent each major analytical group associated with the Site, particularly where multiple sources may have different vertical or horizontal distributions

Based on the above criteria, the selected Site ICs in soil are metals (arsenic, copper, zinc), benzene, total cPAH Toxic Equivalents Quotient (TEQ), total PCBs, SVOCs (benzyl alcohol, PCP), total dioxins/furans TEQ, TPH-G, and total diesel and motor oil range hydrocarbons. The selected Site ICs in groundwater are dissolved metals (arsenic, copper, zinc), total cPAH TEQ, acrylonitrile, and vinyl chloride. The selected Site ICs in surface sediment are metals (arsenic, copper, zinc), TBT, total PCBs, total cPAH TEQ, SVOCs (benzyl alcohol,

bis(2-Ethylhexyl)phthalate [BEHP]), and total dioxins/furans TEQ. The selected Site ICs in subsurface sediment are metals (arsenic, copper, zinc), TBT, total PCBs, total cPAH TEQ, SVOCs (1,2-Dichlorobenzene, benzyl alcohol, BEHP), and total dioxins/furans TEQ. Tables 7-1 through 7-4 summarize the selected ICs by media and present the statistics used in deriving ICs and COCs for the Site.

ICs for each medium were selected for mapping purposes and are presented in Figures 7-1a through 7-1v (soil), 7-2a through 7-2f (groundwater), and 7-3a through 7-3u (sediment). The maximum contaminant concentration at each location, including detects and non-detects set at full reporting limit, was used for contouring. For subsurface sediment, each sample interval with available data is screened and shown using core stick symbols. As additional resources to describe the nature and extent of contamination, soil and sediment cross sections showing the vertical extents of ICs above the screening level and groundwater trend plots showing the variations in IC concentrations during the 2014 to 2015 RI quarterly monitoring events are included as Appendices G-1 and G-2, respectively.

7.3 Soil Results

Soil ICs for the Site include metals (arsenic, copper, zinc), benzene, total cPAH TEQ, total PCBs, SVOCs (benzyl alcohol, PCP), total dioxins/furans TEQ, TPH-G, and total diesel and motor oil range hydrocarbons. Available RI soil data are compiled in Tables 7-5a to 7-5h and summarized by depth in Figures 7-1a to 7-1v (shallow soil defined as 0 to 6 feet bgs and subsurface soil defined as 6 to 15 feet bgs). Cross sections showing the vertical extents of each IC in soil are included in Appendix G-1.

Based on exceedances of the screening level of 7.3 mg/kg (natural background concentration), arsenic impacts are predominantly visible in shallow soil (unsaturated zone) in several hotspot areas (Figure 7-1a). The southern portion of the former shipyard nearshore area contains the highest arsenic impact (441 mg/kg) at DSIP2-05, located in the footprint of the former DSI storage and paint shop. This arsenic contamination also appears to extend into the footprint of the former U.S. Army septic tank; the most elevated arsenic concentrations are typically found in the top 5 feet of soil. Arsenic concentrations in shallow soils generally decrease downgradient (east, toward the LDW) from this area. The second arsenic hotspot is located in the Rail Spur area, near the former Reichhold/U.S. Army

drainage and laboratory, with a maximum concentration of 48 mg/kg in the upper 3 feet of soil (DSI-01). The source of arsenic in the Rail Spur area is unknown and may be associated with the former Reichhold/U.S. Army operations and/or historical fill in this area. Another arsenic hotspot is located in the Parcel D nearshore area, in the footprint of the former Reichhold waste treatment tank (Figure 7-1a). In this area, the most elevated arsenic concentration (25 mg/kg) was detected in the 0.5- to 3.5-foot depth range (DSI-MW-10). Exceedances of the arsenic screening level also are present in shallow soils on the Glacier/Reichhold Site in the vicinity of the above hotspot areas. In subsurface soil, minimal arsenic impacts are observed site-wide. The majority of the arsenic detections in soil are within one or two times the natural background-based screening level (7.3 mg/kg) and typically decline with depth (Figure 7-1b).

Multiple copper exceedances of the 36 mg/kg screening level (set at the natural background level) are present in shallow soils (Figure 7-1c). In most cases, copper hits are co-located with arsenic hotspots (and other metal COCs such as lead). The highest copper concentrations are observed in the northeastern corner of the Site, adjacent to the former steel and pipe shops, with a maximum concentration of 3,310 mg/kg at location DSI-09 in the 3- to 5-foot depth interval. The northwest area also contains copper concentrations greater than 10 times the screening level (539 mg/kg at DSI-03 and 472 mg/kg at DSIP2-20, in the upper 4.5 feet of soil). These exceedances may be associated with a decommissioned UST and operations/materials handled at the former machine and steel shops. Elevated copper concentrations also are observed in the footprint of removed gasoline and diesel USTs and the former storage and paint shop, with maximum copper concentrations detected at 204 and 296 mg/kg (DSIP2-06 and DSIP2-05, respectively) in the top 4 feet. In addition, elevated copper impacts are present in the shallow soils along the Site's northern shoreline/nearshore area. Figure 7-1d shows the most elevated subsurface soil copper impacts, which are typically lower than those in shallow soils and coincide with the surface hotspots areas described above, indicating a vertical extent of copper contamination down to approximately 7 feet bgs. Results from stations DSI-03 (in the northwest corner of the Site), DSIP2-ST-04 (near the southern property boundary in the footprint of the former U.S. Army septic tank), and DSI-GP-14 (central shoreline) are the most significant hotspots at mid-level depths (5 to 7 feet) with copper exceedances at these locations ranging from two to five times the

screening level. Exceedances of the copper screening level also are present in shallow soils along the northern boundary of the Glacier/Reichhold Site.

Figures 7-1e and 7-1f present the zinc concentration contours for shallow and subsurface soils, respectively. Several areas are impacted by zinc in shallow soils, all co-located with hotspots of other metal COCs (arsenic, copper, and lead), including the northeastern area of the Site near former pipe and steel shops, the northwestern area by the former machine shop, and the southern property area (in the footprint of the former storage and paint shop, former U.S. Army septic tank, and along the central shoreline). While the maximum concentration observed in shallow soil is 5,840 mg/kg at location DSI-09 (in the 3- to 5-foot depth interval), most exceedances of zinc in shallow soil are between two and five times the natural background-based screening level of 85.1 mg/kg. Exceedances of the zinc screening level are also present in shallow soils on the Glacier/Reichhold Site in the vicinity of the former U.S. Army septic tank. Maximum zinc concentrations in subsurface soils are typically lower than those in shallow soil and are co-located with shallow zinc contamination (Figure 7-1f). One exception is at DSIP2-27 (south property area), which has a maximum zinc concentration of 650 mg/kg at 5 to 7 feet bgs.

Based on exceedances of the screening level of 1 µg/kg (the laboratory PQL), benzene impacts in shallow soil are present in the northwest corner of the Site near the former machine shop and in the center of the Site where several USTs were previously located (Figures 7-1g and 7-1h). Benzene impacts also are observed in subsurface soils in these same areas, though exceedances of the screening level are in some cases driven by elevated reporting limits of non-detect samples. Benzene concentrations also exceed the screening level in shallow soils at several sample locations along the northern boundary of the Glacier/Reichhold Site.

Based on exceedances of the screening level of 19 µg/kg, total cPAH TEQ impacts in shallow soil are present throughout the Site in several hotspot areas, with the highest concentrations observed along the Site's southeastern boundary and northeast shoreline and several lower-level exceedances in smaller hotspots in the western half of the Site (Figure 7-1i). The highest total cPAH TEQ concentrations in shallow soil (9,595 µg/kg at DSI-12 and 9,247 µg/kg at DSI-MW-10) are observed in the Parcel D nearshore, in the footprint of the

former Reichhold waste treatment tank. Elevated total cPAH TEQ levels also were detected along the southern property boundary, in the footprint of the former storage and paint shop (4,382 µg/kg at DSIP2-05) and in the northern nearshore area just east of the former steel and pipe shop. In addition, total cPAH impacts are observed in shallow soil samples on the Glacier/Reichhold Site in the vicinity of the former septic tank as described above. Most notably, a total cPAH TEQ concentration of 8,077 µg/kg (over 10 times the screening level) occurs at the 4- to 6-foot depth interval, approximately 50 feet south of the DSI Property boundary in the vicinity of the former U.S. Army septic tank.

Total cPAHs hotspots are observed in subsurface soil (Figure 7-1j). The maximum total cPAH concentration observed in subsurface soil (7,411 µg/kg at DSI-MW-10) was detected between 5 and 8 feet bgs in the footprint of the former Reichhold waste treatment tank, and is co-located with cPAH and arsenic impacts in shallow soil. Other elevated total cPAH TEQ concentrations (5,235 µg/kg at DSIP2-09 [7 to 9 feet] and 3,832 µg/kg at DSIP2-ST-04 [5.5 to 7 feet]), are observed at the southern nearshore area and in the footprint of the former U.S. Army septic tank. Subsurface cPAH impacts also are observed in subsurface soils on the Glacier/Reichhold Site adjacent to the Parcel D nearshore area and approximately 50 feet south of the DSI Property boundary in the vicinity of the former U.S. Army septic tank.

PCB Aroclors were analyzed in 76 RI soil samples and detected in 20 (or 26 percent) of these samples (Table 7-1). Of the 20 samples with detections, 18 samples were above the screening level (4 µg/kg, equivalent to the laboratory PQL). The maximum detected total PCB concentration was 300 µg/kg (at DSI-03; discussed subsequently), though a majority of soil detections were below 55 µg/kg. The only two PCB Aroclors detected in Site soils for both shallow and subsurface soils were Aroclor 1254 and Aroclor 1260. All other Aroclors were non-detect (Table 7-1).

The total PCB screening level is exceeded in shallow soils (e.g., 0 to 6 feet bgs) at all locations where PCBs were analyzed (Figure 7-1k). Before the total PCB screening level was decreased from 60 µg/kg to 4 µg/kg, only a few isolated areas exceeded the former screening level. Over half of the sample locations where PCBs were analyzed in soil had maximum concentrations that were non-detect and at the laboratory reporting limit (typically 10 to 20 µg/kg); in each case, the laboratory reporting limit exceeds the Site screening level. The Site

screening level for PCBs, as directed by Ecology, is applied to soils throughout all upland areas of the Site, though this application is considered overly restrictive and is not practical for determining the nature and extent of PCB impacts at the Site.

The highest total PCB concentration in shallow soil (300 µg/kg) was detected at DSI-03 (0 to 3 feet bgs), located in the northwestern corner of the Site in a localized area that formerly contained electrical equipment (e.g., transformers, capacitors). Total PCB impacts also are observed in the former UST area (center of the Site) at location DSIP2-06 (129 µg/kg, in the 2- to 4-foot depth interval). Along the Site's southern boundary, screening level exceedances are observed at locations DSIP2-04 (110 µg/kg; in the footprint of the former storage and paint shop), DSI-01 (43 µg/kg; in the Rail Spur area, in the footprint of the former Reichhold laboratory), and at DSIP2-05 (84 µg/kg; in the former shipyard nearshore area).

PCB impacts also are observed in shallow and subsurface soils on the Glacier/Reichhold Site in the vicinity of the former Rail Spur (i.e., 50 feet south of DSI-01) and at multiple upland locations adjacent to the Glacier Bay shoreline (see Figure 7-1k and 7-1l, and Figure 3-4 and Table W-3 of ERM 2015). Specifically, elevated total PCB levels were found at Glacier/Reichhold Site shoreline stations TB-02 (200 µg/kg at 0 to 2 feet bgs, 1,500 µg/kg at 8 to 9.5 feet bgs, and 580 µg/kg at 9 to 10 feet bgs), TB-03 (2,300 µg/kg at 4.25 to 7 feet bgs), TB-05 (150 µg/kg at 2.4 to 4 feet bgs), and TB-06 (300 µg/kg at 8.8 to 10.6 feet bgs) (see Figure 3-4 and Table W-3 of ERM 2015). These total PCB levels are higher than those typically found in shallow soils at the DSI Site.

At the DSI Site, elevated total PCB concentrations in subsurface soil occur in only two locations: at DSI-03 (94 µg/kg; in the northwest corner of the Site) and at DSIP2-ST-04 (103 µg/kg; in the footprint of a former U.S. Army septic tank), both in the 5- to 7-foot depth interval.

The pattern of PCB screening level exceedances observed in much of the upland area of DSI is influenced by non-detect concentrations (e.g., 46 percent of non-detects exceed the PCB screening level).

Sampling of Site soils for dioxins/furans analysis was conducted only at the specific locations requested by Ecology, as described in the final *Supplemental RI Work Plan* (Anchor QEA

2013). Exceedances of the total dioxin/furan screening level (5.2 nanograms per kilogram [ng/kg]; equivalent to the natural background value for soil) are observed in shallow soil sample locations along the central and southern shoreline of the Site (Figure 7-1m). The highest detected concentration was at DSIP2-29 (168 ng/kg at 1 to 3 feet bgs), which is located in the footprint of a former Reichhold waste treatment tank that is a known source of dioxins/furans. Dioxin/furan concentrations in Glacier/Reichhold Site soils exceed the screening level at station TB-01 (645 ng/kg; 0.8 to 2.4 feet bgs), which is located approximately 50 feet south of DSI shoreline station DSIP2-29. All but one of the subsurface soil locations where dioxins/furans were tested have concentrations below the soil screening level (Figure 7-1n). The only exceedance observed in subsurface soil is for station DSIP2-29 (5.96 ng/kg), also located in the footprint of the former Reichhold tank described above. The subsurface soil dioxin/furan concentration at adjoining Glacier/Reichhold station TB-01 (79.1 ng/kg; 5 to 6.9 feet bgs) is over 10 times the screening level (Figure 7-1n).

Minor localized exceedances of the benzyl alcohol screening level (57 µg/kg; based on the protection of LDW sediment) in shallow and subsurface soil are shown in Figures 7-1o and 7-1p. In shallow soils, the maximum detected benzyl alcohol concentrations, slightly exceeding the screening level, are 89 µg/kg (at DSIP2-06, 4 to 6 feet) and 71 µg/kg (at DSIP2-10, 1 to 3 feet). Similarly, exceedances of the benzyl alcohol screening level in subsurface soils are observed at DSIP2-06 (120 µg/kg) and DSIP2-29 (90 µg/kg), both in the 5- to 10-foot depth interval. A few other minor screening level exceedances exist across the Site but are for non-detects screened using the laboratory reporting limit. There are no known sources of benzyl alcohol at the Site. According to a recent study by the USACE, elevated benzyl alcohol concentrations may be directly attributable to the presence of decaying organic matter (USACE 2016).

PCP was detected above the screening level (50 µg/kg; the laboratory PQL) in shallow soil samples in two hotspot areas (Figure 7-1q). The first hotspot, at DSIP2-13, is located in the footprint of the former Rail Spur that was used by Reichhold for transporting PCP (manufactured at its former facility) and includes a sample with a maximum surface PCP concentration of 20,000 µg/kg (2 to 3.5 feet bgs). This area is also adjacent to a large area with elevated PCP levels located on the Glacier/Reichhold Site (Figure 7-1q). The second hotspot is located in the Parcel D Nearshore area, where a maximum concentration of 470

µg/kg was detected at DSP2-29 (at 1 to 3 feet bgs). The source of PCP impacts in the second hotspot is likely related to storage of PCP wastes in a former Reichhold waste treatment tank that was previously located in this area. All other screening level exceedances are for non-detects screened at the reporting limit; there are no other known or suspected sources of PCP in upland areas of the Site. PCPs were only detected above laboratory reporting limits at one subsurface soil location, DSIP2-29 (82 µg/kg at 5 to 7 feet), which is in the footprint of the former Reichhold waste treatment tank and is co-located with PCP impacts in shallow soil (Figure 7-1r). Exceedances of the PCP screening level, in some cases over a factor of 10, are present in shallow and subsurface soils throughout the northern portion of the Glacier/Reichhold Site where these samples border the DSI Property, though most notably in the near-surface areas adjacent to the former Reichhold Rail Spur (Figure 7-1q) and at depth immediately south of the former U.S. Army septic tank (680 µg/kg at GP-65 [6 to 7 feet bgs]; Figure 7-1r).

Figures 7-1s and 7-1t present the TPH-G concentration contours for shallow and subsurface soil, respectively. The largest footprint with TPH-G exceedances in shallow soil is present in the former UST area and downgradient of it, directly related to residual TPH from removal of the four USTs in 2000. Following the 2000 remedial action in this area, sidewall soil samples had TPH-G and benzene levels exceeding MTCA industrial CULs, which is consistent with the findings of subsequent RI soil sampling. The maximum concentrations observed in this area are 1,200 mg/kg at DSIP2-06 (4 to 6 feet bgs), 560 mg/kg at DSI-GP-10 (2 to 4 feet bgs), and 320 mg/kg at DSI-MW-04 and DSI-GP-09 (0.5- to 4.5-foot depth range). Along most of the shoreline and nearshore area, the maximum TPH-G concentrations in shallow soil are above the TPH-G screening level (30 mg/kg), and are typically in the upper 4 feet bgs. These elevated TPH-G levels coincide with the former steel and pipe shops (northeast shoreline), the former winch house and the former waste oil storage area (central shoreline), and the former Reichhold waste treatment tank (southern shoreline), and several are co-located with total cPAHs and metals hotspots. Elevated TPH-G levels also are present in the northwest area (DSI-03, upper 3 feet), upgradient of a former UST. Following a 1993 remedial action (UST and soil removal) west of this area (i.e., immediately west of the northwest corner of the Site), eight soil confirmation samples (shallow soils) were below the MTCA industrial CULs for TPH, which is consistent with nearby observations in soil. Elevated TPH-G levels are present in shallow soils at two sample locations on the

Glacier/Reichhold Site that border the DSI Property. Subsurface soil is impacted by TPH-G in the same areas as shallow soil. In the former UST area, the maximum detected TPH-G concentrations are lower in subsurface soil than in shallow soils, at 430 mg/kg (DSI-GP-08, 5.5 to 7.5 feet bgs). The same pattern of TPH-G levels is observed at the former winch house and downgradient of the former waste oil storage area present (e.g., concentrations varying between 820 and 1,200 mg/kg at DSI-GP-14 and -15, respectively). In the northwest area, TPH-G subsurface levels are consistent with those found in shallow soils (110 mg/kg at DSI-03, 5 to 6.5 feet bgs).

Overall, total diesel and motor oil range hydrocarbons impacts in shallow soil are minor and typically occur within TPH-G hotspots (e.g., in the former UST area [where USTs were removed in 2000] and in the central shoreline/nearshore area; Figure 7-1u). Immediately downgradient of the former UST area, adjacent to the former side tracking ways, total diesel and motor oil range hydrocarbons screening level exceedances in shallow soils range between 2,520 and 3,800 mg/kg at DSI-GP-08 and -09, DSI-06, and DSI-MW-04, generally in the upper 4.5 feet. A localized diesel and motor oil range hydrocarbon hotspot is observed in the central nearshore area (co-located with elevated TPH-G concentrations), downgradient of the former warehouse and winch house. In this area, the maximum concentrations are 12,000 mg/kg (DSI-GP-15; 1.5 to 4 feet bgs) and 5,980 mg/kg (DSIP2-28; 3 to 5 feet bgs). Elevated diesel and motor oil range hydrocarbon levels are present in shallow soils at two sample locations on the Glacier/Reichhold Site that border the DSI Property. Glacier/Reichhold soil stations MW-30S and GP-75 had TPH-Dx and TPH-MO concentrations of 30,000 mg/kg (at 2.8 feet bgs) and 16,900 mg/kg (at 4 feet bgs), respectively (Figure 7-1u). Following a 1993 remedial action (UST and soil removal) west of the northwest corner of the Site, eight soil confirmation samples (shallow soils) were below the MTCA industrial CULs for TPH, which is consistent with nearby observations in soil. Minimal diesel and motor oil range hydrocarbon contamination is present in subsurface soil (Figure 7-1v). Concentrations at all but one location (DSI-GP-15) are below the soil screening level of 2,000 mg/kg. A localized hotspot at DSI-GP-15 (3,500 mg/kg at 6 to 8 feet bgs) is co-located with the maximum total diesel and motor oil range hydrocarbon concentration in shallow soil.

7.3.1 Soil Data Gaps

Though soils at the Site have been extensively sampled and tested for COPCs based on historical Site operations, the lateral and/or vertical extents of soil impacts may not be fully bounded for all Site ICs based on the restrictive Site screening levels. The following situations, which are largely artifacts of restrictive screening levels, do not represent data gaps that prevented the finalization of this RI Report or that should further delay preparation of the FS, including development of CULs in the FS, in accordance with MTCA.

Specifically, the following may not be fully bounded:

- The lateral extent of metals along the northern property boundary and nearshore area
- The lateral extent of total cPAHs south of the Parcel D nearshore area
- The lateral extent of total PCBs throughout the Site
- The lateral extent of dioxins/furans along the southern property boundary in the Parcel D nearshore area
- The vertical extent of metals and total cPAHs at several locations in the northern area, Rail Spur area, southeastern and nearshore property areas
- The vertical extent of TPH-G and total diesel and motor oil range hydrocarbons in the former UST removal area and nearshore areas of the Site
- The vertical extent of PCBs in the northwestern area and beneath the former septic tank area
- The vertical extent of dioxins/furans in the Parcel D nearshore area of the Site

It is very challenging to fully characterize the Site based on the very stringent screening levels, which must be based on PQL, natural background concentrations, or risk-based threshold concentrations (e.g., the highest value is selected). The development of CULs in the FS will be used to inform the need for and extent of future soil cleanup areas at the Site.

7.4 Groundwater Results

Groundwater ICs for the Site include dissolved metals (arsenic, copper, zinc), total cPAH TEQ, vinyl chloride, and acrylonitrile. For the purposes of this RI, shallow groundwater quality is described using the results from Site wells screened approximately 5 to 15 feet bgs (i.e., primarily in fill soils), and deep groundwater quality is described using the results from

Site wells screened approximately 18 to 28 feet bgs and 30 to 40 feet bgs (i.e., in native soils beneath the silt layer). Available RI groundwater and groundwater seep data are compiled in Tables 7-6a to 7-6g and summarized in Figures 7-2a to 7-2f. Variations in groundwater IC concentrations during each RI quarterly monitoring event (i.e., January 2014, April 2014, July 2014, and January 2015) are included in Appendix G-2. Groundwater seep data are discussed in Section 7.4.1.

Dissolved arsenic concentrations in shallow groundwater are shown in Figure 7-2a. The groundwater screening level of 5 µg/L is based on natural background concentrations in Washington State (WAC 173-340-900 [Table 720-1]). The highest dissolved arsenic concentration (2,230 µg/L at DSIP2-13 in January 2014) was observed in shallow groundwater in the southwest corner of the Site, in the footprint of the former U.S. Army/Reichhold Rail Spur, tanks, and laboratory. An off-property source of arsenic (i.e., related to the above described features on the former Reichhold/U.S. Army property) may have contributed to elevated arsenic concentrations seen at DSIP2-13. Elevated dissolved arsenic concentrations were detected at several groundwater monitoring wells located along the northern boundary of the Glacier/Reichhold Site, just south of the DSI Site boundary and near the areas described above. Shallow well DSIP2-02, which is located downgradient of the DSIP2-13, had a maximum dissolved arsenic concentration of 64 µg/L (in January 2015). Arsenic levels were consistently below the screening level at DSIP2-15 (located between DSIP2-13 and DSIP2-02), which is a mid-depth well (screened 18 to 28 feet bgs), suggesting that arsenic impacts in this area are typically limited to shallow Site groundwater (i.e., less than 15 feet bgs). Dissolved arsenic concentrations were slightly above the screening level at DSI-MW-10 (8 µg/L), which is a deep well (screened 30 to 40 feet bgs) located in the Parcel D nearshore area. This exceedance may be due to natural background levels of arsenic and brackish groundwater conditions present in deeper groundwater related to local geology and tidal mixing. Seasonal variation in dissolved arsenic concentrations during the 2014 to 2015 RI quarterly monitoring was low at most Site wells (Appendix G-2). Dissolved concentrations typically varied less than 5 µg/L, with the exception of two shallow wells, DSIP2-02 and DSIP2-13, which had dissolved arsenic concentrations that varied over 50 µg/L. Wells DSIP2-13 and DSIP2-02 are located within and downgradient of the Rail Spur area.

Dissolved copper concentrations in shallow groundwater are shown in Figure 7-2b. Slight exceedances of the dissolved copper screening level were present in shallow wells DSI-MW-02 (8 µg/L) and DSI-MW-05 (3 µg/L), which are both located near the northern property boundary and are co-located with elevated copper levels in shallow soils. Exceedances of the copper screening level (2.4 µg/L) also occurred in deep wells along the shoreline (13 µg/L at DSI-MW-07, 19 µg/L at DSI-MW-10, and 3 µg/L at DSIP2-08). Seasonal variation in dissolved copper concentrations during 2014 to 2015 RI quarterly monitoring was low (typically within 3 µg/L) at all monitored Site wells (i.e., both deep and shallow wells; Appendix G-2). Comparable dissolved copper levels were observed in Glacier/Reichhold Site wells adjacent to DSI's southern property boundary.

Dissolved zinc concentrations in shallow groundwater are shown in Figure 7-2c. Exceedances of the zinc screening level (81 µg/L) were present in shallow groundwater at several north property wells. The maximum dissolved zinc concentrations were 930 µg/L at DSI-MW-05, 640 µg/L at DSIP2-25, which are located in the footprint or downgradient of the former pipe and steel shops. Elevated dissolved zinc levels also were detected in shallow groundwater in the footprint of the former machine shops near the northern property boundary (at DSIP2-20 and DSIP2-23). Zinc impacts in shallow groundwater are co-located with elevated zinc concentrations observed in soils, which may indicate that zinc is leaching from soil into groundwater. Zinc levels in deep groundwater were typically below the screening level, with the exception of DSI-MW-07 and DSI-MW-10, where the maximum concentrations were for non-detect results with elevated reporting limits (100 µg/L). There is no indication that deep groundwater is impacted by zinc. Seasonal variation in dissolved zinc concentrations during 2014 to 2015 RI quarterly monitoring was low to moderate (typically within 15 µg/L) at most Site wells (Appendix G-2), with the exception of several deep wells (driven by non-detect concentrations set to the reporting limit) and the aforementioned shallow wells with the greatest zinc impacts, situated near the northern property boundary. At those northern property shallow wells, seasonal variation in dissolved zinc concentrations typically exceeded 100 µg/L. Dissolved zinc concentrations at adjacent Glacier/Reichhold Site wells are below the screening level.

Total cPAH concentrations in shallow groundwater are shown in Figure 7-2d. No exceedances of the total cPAH screening level (0.02 µg/L) were observed in either shallow or

deep groundwater wells during RI monitoring in 2014 and 2015 and a majority of results were non-detect. As such, cPAH hotspots present in shallow and subsurface soils do not appear to be leaching into Site groundwater. There was little to no variation in total cPAH concentrations during 2014 to 2015 RI quarterly monitoring at both shallow and deep Site groundwater wells (Appendix G-2).

Acrylonitrile concentrations in shallow groundwater are shown in Figure 7-2e. Exceedances of the acrylonitrile screening level (0.05 µg/L; the PQL) were observed in several shallow Site groundwater wells during RI monitoring in 2014 and 2015. Exceedances of one to three times the screening level were observed in shallow wells downgradient of a former DSI machine shop (DSIP2-23) and the former electric and joiner shops (DSIP2-16). The highest acrylonitrile concentrations were observed at wells in and downgradient of the UST removal area (i.e., shallow wells DSIP2-06, DSI-MW-04, DSI-MW-08, and deep well DSIP2-28). The maximum concentration (1.1 µg/L) was detected at DSI-MW-04 during January 2015. Acrylonitrile concentrations exceed the screening level at several Glacier/Reichhold Site wells, near the property boundary shared with DSI. Seasonal variation in acrylonitrile concentrations during 2014 to 2015 RI quarterly monitoring was low to moderate (typically within 0.15 µg/L) at most Site wells (Appendix G-2), with the exception of the aforementioned wells in and downgradient of the UST removal area. At those wells, seasonal variation in acrylonitrile concentrations exceeded 0.2 µg/L. Acrylonitrile was not detected in Glacier/Reichhold Site wells adjacent to DSI's southern property boundary; however, at those wells, the laboratory reporting limit was over 10 times the screening level (Figure 7-2e).

Vinyl chloride concentrations in shallow groundwater are shown in Figure 7-2f. Minor exceedances of the vinyl chloride screening level (0.18 µg/L; the PQL) were observed in several shallow Site groundwater wells during RI monitoring in 2014 and 2015. Many of these exceedances were for non-detects at the laboratory reporting limit (0.2 µg/L). Detected vinyl chloride concentrations that exceed the screening level were observed in shallow wells along the northern property boundary (at DSI-MW-01; DSIP2-23 and DSIP2-25), in the central upland and nearshore areas of the Site (at DSIP2-02, DSIP2-01, DSIP2-06 and DSI-MW-06) and in two localized areas along the southern property boundary (at DSIP2-16 and DSIP2-27). The highest detected concentration (0.6 µg/L) was observed in January 2014 at

shallow well DSIP2-16, which is located in the footprint of the former DSI electric and joiner shops near the southern property boundary. Vinyl chloride impacts at this location may be related to historical use of chlorinated solvents in this area, though related chlorinated solvents (e.g., PCE, TCE, and/or DCE) are not ICs in Site groundwater. Vinyl chloride was not detected at four Glacier/Reichhold Site wells adjacent to DSI's southern property boundary; however, at those wells, the laboratory reporting limits are comparable to or higher than the levels detected in groundwater on the DSI Site (Figure 7-2e). Seasonal variation in vinyl chloride concentrations during 2014 to 2015 RI quarterly monitoring was low to moderate (typically within 0.2 µg/L) at most Site wells (Appendix G-2), with the exception of a few inland shallow wells (i.e., DSI-MW-02, DSIP2-02, DSI-PZ-01, and DSIP2-16) that are located over 250 feet from the shoreline. At those inland wells, seasonal variation in vinyl chloride concentrations typically ranged from 0.23 to 0.5 µg/L.

7.4.1 Groundwater Seep Results

The analytical results for groundwater seep samples are summarized in Tables 7-6a to 7-6g and discussed with respect to the Site ICs. As described in Section 5.2.3, water samples from three seeps were collected in July 2013 at the three locations along the Site shoreline (DSIP2-SP-01, -02, and -03; Figure 5-1) during low tide conditions.

Seep results are plotted on the groundwater contour maps (Figures 7-2a to 7-2f) for each groundwater IC. Dissolved arsenic, copper, and zinc were not detected at any seep location about the groundwater screening level. Total cPAHs, vinyl chloride, and acrylonitrile also were below the groundwater screening levels at each location where these ICs were analyzed.

7.4.2 Groundwater Data Gaps

Though shallow and deep groundwater at the Site has been extensively sampled and tested for COPCs based on historical Site operations, the extent of groundwater impacts may not be fully defined for all Site ICs based on the current Site screening levels. The following situations, which are largely artifacts of restrictive screening levels, do not represent data gaps that prevented the finalization of this RI Report or that should further delay preparation of the FS, including development of CULs in the FS, in accordance with MTCA. Specifically, the following may not be fully bounded:

- The lateral extent of dissolved copper and zinc impacts along the northern DSI Property boundary; no groundwater data for dissolved metals are available for the AML property to the north
- The lateral extent of dissolved arsenic impacts in the Rail Spur area, as shown on Figure 7-2a and further discussed below

As noted above, anomalously high dissolved arsenic levels (maximum of 2,230 µg/L) were detected during 2014 to 2015 RI sampling at Site monitoring well DSIP2-13. This well is a shallow groundwater monitoring well located in the footprint of the former Rail Spur used by Reichhold (Figure 7-2a). Arsenic levels in soils from DSIP2-13 (the same station with elevated results in groundwater) either are below the soil screening level (7.3 mg/kg) or are very low and do not explain the source of elevated groundwater levels observed at this station (see B-B' in Appendix G-2, Figure G-2b). Several rounds of RI soil and groundwater sampling have been conducted throughout the former Rail Spur area to investigate the nature and extent of arsenic contamination. Arsenic levels in soils from multiple adjacent and downgradient RI stations (e.g., DSI-GP-01, DSIP2-14, DSI-01, DSI-GP-02, DSIP2-15, and DSI-MW-01) and upgradient RI stations (e.g., DSIP2-11 and DSIP2-12) also are below the screening level or are very low (Appendix G-2, Figure G-2b). Shallow groundwater collected from adjacent boring DSI-GP-01 (in 2009) had a dissolved arsenic concentration of 388 µg/L, an order of magnitude lower than the levels observed at DSIP2-13. Shallow groundwater also has been collected from several downgradient stations, including DSI-01 (68.4 µg/L), DSI-GP-02 (25.5 µg/L), DSI-MW-01 (maximum of 48.4 µg/L), and DSIP2-16 (maximum of 11.8 µg/L). Samples of deeper groundwater from downgradient well DSIP2-15 have never detected arsenic above the screening level. In addition, dissolved arsenic levels in groundwater from downgradient stations in the vicinity of the shoreline (see B-B' in Appendix G-2, Figure G-2b) are below the screening level.

Shallow soils from the Glacier/Reichhold Site, just south of the current DSI Property boundary in the Rail Spur area, have maximum arsenic levels of 2 to 24 mg/kg (Figure 7-1a) that are comparable to soil levels observed at the DSI Site. Upgradient Glacier/Reichhold Site soils from station MW-28S detected arsenic at 68 mg/kg (at 1 to 2 feet bgs).

Based on the results of a DSI transducer study (see Section 4.2.2), groundwater gradients at the DSI Site are generally easterly, toward the LDW (Figures 4-3 and 4-4). Groundwater gradients measured at the Glacier/Reichhold Site are mostly consistent but indicate that groundwater near the northern boundary of the Glacier/Reichhold Site flows northeast onto the DSI Site in the vicinity of the former Rail Spur area (ERM 2015). Groundwater flow direction might be tidally influenced, especially in nearshore areas of the Site.

The results of investigations in the former Rail Spur area (including results from the Glacier/Reichhold Site) do not indicate a specific soil source of the elevated dissolved arsenic observed in shallow groundwater at DSIP2-13. The results of groundwater sampling at DSI stations adjacent to and downgradient (e.g., within 150 feet) of DSI station DSIP2-13 suggest that the dissolved arsenic impacts at DSIP2-13 are localized and are attenuating rapidly along the groundwater flow path (i.e., toward the Site shoreline). Ecology required additional groundwater sampling in a letter dated February 9, 2018 to DSI, to further characterize the arsenic groundwater contamination in the southwest portion of the DSI Property, prior to the start of the FS. Based on follow-up discussions with Ecology about the February 9, 2018 letter, Ecology and DSI agreed that additional sampling of groundwater in the Rail Spur area will be conducted, in consultation with Ecology, as part of a supplemental RI to facilitate the evaluation and selection of cleanup actions in this part of the DSI Site.

It is very challenging to fully characterize the Site based on the very stringent screening levels, which must be based on PQL, natural background concentrations, or risk-based threshold concentrations (i.e., the highest value is selected). The development of CULs in the FS will be used to inform the need for and extent of future groundwater cleanup at the DSI Site.

7.5 Sediment Results

Surface sediment ICs for the Site include metals (arsenic, copper, zinc), TBT, total PCBs, total cPAH TEQ, SVOCs (benzyl alcohol, BEHP), and total dioxins/furans TEQ. Subsurface sediment ICs are the same as those for surface sediment, with the addition of 1,2 Dichlorobenzene for subsurface sediment. Available RI surface (top 10 cm) and subsurface sediment (10 cm to 14 feet) data are compiled in Tables 7-7a to 7-7g (for surface sediment) and Tables 7-8a to 7-8g (for subsurface sediment). The screened values at each

surface and subsurface sampling location are shown on Figures 7-3a to 7-3u, which include "stick maps" for all subsurface ICs that show the vertical extent of screening level exceedances for each subsurface IC. Cross sections showing the vertical extents of each IC in sediment along three transects are included in Appendix G-1. A summary of available LDW sediment concentrations adjacent to the Site (i.e., collected as part of other studies) is included as Appendix H.

Surface and subsurface sediment samples have been collected throughout the aquatic area of the Glacier/Reichhold Site, which is located immediately upstream of DSI. Results of sediment sampling in Glacier Bay are discussed throughout this section for the LDW human health COCs (arsenic, total cPAHs, total PCBs, and total dioxin/furans).

7.5.1 Surface Sediment Results

Exceedances of the arsenic screening level (7 mg/kg, based on natural background) in surface sediment occur at all RI sediment locations, but are highest in the former DSI marine railway area (Figure 7-3a). Arsenic is a commonly identified COC for the LDW and adjacent properties. Elevated arsenic concentrations in the footprint of DSI's marine railway are likely related to spent sandblast grit and paint generated as a result of historical shipyard operations (e.g., sandblasting of vessel hulls) in this area. Sediment stations DSIMR-01, -02, -03, -04, and -05 had samples with the highest arsenic concentrations detected in surface sediments at the Site, ranging from 470 mg/kg at DSIMR-03 to 5,490 mg/kg at DSIMR-01. At these locations, sandblast grit-like material (e.g., coarse, shiny, black sand-sized particles) was observed in the top 10 cm during sampling in July 2013. Outside of the DSI marine railway footprint, exceedances of the arsenic screening level are likely related to transport of impacted sediments adjacent to the DSI Property and commingling with sediments impacted by other sites and sources along the LDW. Arsenic levels in surface sediments collected from adjacent LDW and Glacier/Reichhold Site areas are typically between 7 and 57 mg/kg (exceeding the screening level), with some areas of higher concentrations (over 57 mg/kg) adjacent to the Glacier/Reichhold Site's northern and central shorelines (EIM 2017).

Surface sediment exceedances of the copper screening level (390 mg/kg) occur at sample locations in the footprint of the former DSI marine railway (Figure 7-3c). These exceedances

are co-located with arsenic and zinc impacts. Stations DSIMR-01, -02, -03, -04 and -05 detected the highest copper concentrations for surface sediments at the Site, ranging from 844 mg/kg (at DSIMR-03) to 3,640 mg/kg (at DSIMR-04). Historically, haul-out activities such as sand blasting, painting, pressure washing, and vessel repair work took place at DSI's former marine railway, which likely contributed to copper impacts observed in sediments in this area. Copper concentrations at adjacent surface sediment locations (i.e., outside of the marine railway footprint) were below the Site screening level.

Similar to arsenic and copper, exceedances of the zinc screening level (410 mg/kg) are observed within the footprint of the former DSI marine railway, at locations DSIMR-01, -02, -03, -04, and -05 (Figure 7-3e). Zinc concentrations observed in this area ranged from 1,440 mg/kg at DSIMR-03 to 13,000 mg/kg at DSIMR-01. Historical shipyard activities conducted in the vicinity of the marine railway (e.g., sandblasting) are likely the source of zinc impacts observed in this area. Zinc concentrations at adjacent surface sediment locations were below the Site screening level.

Figure 7-3g shows the concentrations of TBT in surface sediment in the aquatic area of the Site. Multiple exceedances of the Site screening level (73 µg/kg; based on the Dredged Material Management Program screening level) are concentrated in the footprint of the former DSI marine railway, offshore of the AML property, and within the LDW navigational channel downstream of the Site. The maximum TBT concentration observed in surface sediment was 4,200 µg/kg at location DSIMR-01, co-located with elevated metals concentrations and in an area where sandblast grit and paint chips were observed during sampling. Exceedances of the TBT screening level also occur offshore of the AML property (DSIP2-SS-11[390 µg/kg] and DSI-SS-07 [170 µg/kg]). Exceedances of approximately two times the TBT screening level were observed at surface sediment stations in the LDW navigation channel (160 µg/kg at DSIP2-SS-08 and 110 µg/kg at DSIP2-SS-06) and may be associated with historical shipyard activities related to LDW in-water and over-water operations. For comparison, surface sediment TBT data from the LDW range from 0.28 to 3,000 µg/kg (EPA 2014).

PCBs were tested in 32 surface sediment samples (Table 7-1 and Figure 7-3i). PCBs were detected in all RI surface sediment samples; all detections were above the PCB screening

level (2 µg/kg dry weight; based on natural background). Concentrations of total PCBs in surface sediment samples ranged from 50 µg/kg (DSI-SS-08) to 522 µg/kg (DSIMR-01), with many elevated concentrations observed at stations in the LDW navigational channel and at stations over 200 feet downstream of the Site. For comparison, only 5 of 29 stations exceed the SMS SCO (based on protection of benthic communities) for total PCBs (12 milligrams per kilogram organic carbon normalized [mg/kg-OC]); these stations are limited to a small footprint within the former DSI marine railway and three stations downstream of the Site in the main LDW channel (Figure 7-3k). The maximum observed total PCB concentration was observed at DSIMR-01. Notably, only three Aroclors were detected in surface sediment samples: Aroclor 1248 (detected in 28/32 samples), Aroclor 1254 (detected in 32/32 samples), and Aroclor 1260 (detected in 32/32 samples). All other Aroclors were non-detect in surface sediment (Table 7-3).

The range of total PCBs in surface sediment in the LDW (1390 LDW FS samples) is from 2.2 to 223,000 µg/kg dry weight, with a mean concentration of 1,136 µg/kg dry weight (EPA 2014). In addition, total PCBs—the most widespread contaminant within the LDW—is one of the primary human health risk-drivers for the remediation of LDW sediments (EPA 2014). Within the intertidal zone of the Glacier/Reichhold Site (upstream and south of the Site), total PCB levels are over 10 times the surface sediment screening level (and are also above the LDW RAL of 12 mg/kg-OC; ERM 2012). Elevated total PCB concentrations (e.g., over 12 mg/kg-OC) have also been found in other LDW surface sediments immediately across and upstream of the Site (AECOM 2012).

Exceedances of the total cPAH screening level 150 µg/kg dry weight; risk-based threshold concentration from the ROD [EPA 2014]) are shown for surface sediment on Figure 7-3m. Exceedances occur at a majority of the RI stations including areas within the former DSI marine railway, upstream and downstream of the Site, and within in the LDW navigational channel. The highest total cPAH concentrations in RI surface sediment samples were observed within the footprint of the former DSI marine railway at stations DSIMR-01, -02, -03, -04, and -05, ranging between 1,040 µg/kg at location DSIMR-05 to 13,100 µg/kg at DSIMR-01. In this area, cPAH impacts overlap with several other IC screening level exceedances. Surface sediment concentrations are below the screening level beneath former DSI Dry Dock No. 2 (see Figure 5-2) and are one to three times the screening

level beneath and downstream of former DSI Dry Dock No. 1 and within most navigational channel stations (e.g., DSIP2-SS-05 and -06). Total cPAHs are over five times the screening level offshore of the AML property (i.e., at DSIP2-SS-11). Total cPAHs also have been detected above the screening level at several intertidal and subtidal locations in northern portion of Glacier Bay (i.e., the embayment within the aquatic area of the Glacier/Reichhold Site; EIM 2017). In addition, total cPAH concentrations exceed the screening level at a majority of the surface sediment stations located across the river (i.e., between RM 1.3 and 1.4; AECOM 2012). Total cPAHs are a human health risk driver for the LDW and are detected at elevated levels throughout the river (EPA 2014).

All Site surface sediment samples were well below the available screening level (47 mg/kg-OC) for BEHP, except for one exceedance that is approximately two times the screening level within the north section of the former DSI marine railway (Figure 7-3o). A BEHP concentration of 99 mg/kg-OC in surface sediment is observed at location DSIMR-04, located adjacent to former DSI Outfall 005. BEHP is a common LDW contaminant with a known ongoing urban signature that generally occurs in localized areas near large outfalls (i.e., stormwater discharges). The urbanized land use in the drainage basin is expected to result in continued inputs for this contaminant.

Benzyl alcohol concentrations exceeded the screening level (57 µg/kg) at 26 of 29 surface sediment stations (Figure 7-3q). Many elevated concentrations occur at locations within the LDW navigation channel, both upstream and downstream of the Site. The maximum benzyl alcohol concentration observed in surface sediment was 400 µg/kg at DSIMR-03, located within the footprint of the former marine railway. In contrast, adjacent marine railway locations DSIMR-01, -02, -04 and -05 are below the screening level or were non-detect for benzyl alcohol. In addition, there are two small hotspot areas with concentrations approximately six times the sediment screening level: one to the north, in proximity to the AML property (390 µg/kg at DSI-SS-11), and the other one to the south (upstream of the Site), offshore of the Glacier/Reichhold/U.S. Army property (320 µg/kg at DSI-SS-01). Benzyl alcohol is a COC for the LDW for benthic protection (EPA 2014). There are no known sources of benzyl alcohol at the Site. According to a recent study by the USACE, elevated benzyl alcohol concentrations (including those from the LDW basin) may be directly attributable to the presence of decaying organic matter in sediments (USACE 2016).

Total dioxin/furan concentrations exceed the screening level (2 ng/kg dry weight; based on natural background) at all RI surface sediment locations (Figure 7-3s). Total dioxin/furan concentrations ranged from 4 ng/kg (at DSI-SS-08; near the former DSI dry docks) to 92 ng/kg (at DSIMR-01; in the footprint of the former marine railway). The maximum concentration is co-located with elevated levels of several other sediment ICs. Surface sediments have total dioxin/furan concentrations over 15 to 20 times the screening level at stations in the navigation channel (e.g., at DSIP2-SS-04; 48 ng/kg) and over 300 feet downstream of the DSI Property offshore of AML (e.g., at DSIP2-SS-11; 30 ng/kg) that do not appear to be associated with adjacent RI sediment stations that have much lower concentrations (Figure 7-3s). Dioxins/furans are a COC for the adjacent Glacier/Reichhold Site and have been detected at elevated levels in Glacier Bay, immediately upstream of the Site. Elevated dioxin/furan levels in Glacier Bay are a result of historical PCP manufacturing by Reichhold. Dioxin/furan surface sediment concentrations are significantly higher across the entire aquatic area of the Glacier/Reichhold Site, with a maximum concentration of 2,096 ng/kg, which is more than 1,000 times the screening level (ERM 2012).

Dioxins/furans have been identified as a human health risk driver in the LDW (EPA 2014). Samples presented in the LDW FS with the three highest dioxin/furan concentrations were collected from sediments in the embayment adjacent to the Glacier/Reichhold Site (AECOM 2012).

7.5.2 Subsurface Sediment Results

As noted in Section 5.4.2.3, only shallow subsurface samples (e.g., to 2 feet below the mudline) were collected in the marine railway area (i.e., at RI stations DSIMR-01, DSIMR-02, DSIMR-04, and DSIMR-05) due to vessel access restrictions and safety concerns. All other RI subsurface sediment locations (Figure 5-2) include samples beyond 2 feet below the mudline.

Arsenic concentrations in subsurface sediment exceed the screening level (7 mg/kg; natural background) at all 34 stations (Figure 7-3b). The maximum arsenic concentration (1,970 mg/kg) was detected in the top 2 feet below the mudline in the intertidal area beneath the former DSI marine railway, at DSIMR-01, the location of the highest arsenic impacts in surface sediment. At locations surrounding the marine railway (e.g., at DSI-SB-04,

DSI-SB-05, DSI-SB-09, DSI-SB-10, and DSI-SB-01), the highest arsenic concentrations (ranging from 802 to 1,290 mg/kg) generally occur within the 8- to 10-foot depth interval at the base of a steep slope between the two former DSI dry docks (Figure 7-3b). Stations located up the slope (DSIMR-05 and DSI-SB-04) also contained high arsenic levels in subsurface sediment, but these exceedances occur at a wider depth range (e.g., from 2 to 10 feet below the mudline).[2] The broad lateral and vertical extent of arsenic impacts to sediment at those locations is likely associated, at least in part, with DSI's former shipyard operations. In addition, there are also elevated concentrations adjacent to AML (north) and the Glacier/Reichhold Site (south), including intertidal areas of Glacier Bay, which are more than 40 times the sediment screening level, typically between 2 to 8 feet below the mudline, and which may be associated with historical off-site sources.

Copper impacts in subsurface sediment are widespread in the aquatic area of the Site, near the two former DSI dry docks, and along the shoreline of the Site (Figure 7-3d). The highest subsurface sediment concentration of copper (2,040 mg/kg from 7 to 8.7 feet below mudline) was observed at DSI-SB-08, just upstream of one of the former DSI dry docks. Significant exceedances of the copper screening level (390 mg/kg) also occur along the northwest Site shoreline (e.g., at DSI-SB-12, top 2 feet below the mudline) offshore of areas where copper impacts are observed in shallow soil, and immediately downstream of one of the former dry docks (DSI-SB-09, at 11 to 12 feet below the mudline), with concentrations generally decreasing towards the LDW navigational channel. The lateral and vertical extent of copper impacts in subsurface sediment at those locations are approximately co-located with those of arsenic and zinc, suggesting that these impacts are associated with historical shipyard-related activities. Subsurface copper impacts have a larger lateral extent than surface sediment, potentially as a result of historical sediment transport towards the LDW navigation channel.

The highest zinc concentration in subsurface sediment (4,930 mg/kg) was observed at DSIMR-01, in the top 2 feet below the mudline beneath the former DSI marine railway (Figure 7-3f). Exceedance of the zinc screening level (410 mg/kg) at this location coincides with the highest zinc, copper, and arsenic concentrations detected in RI surface sediment

[2] For reference, the contact with native sediment (sand) is typically observed at approximately 11 to 14 feet below the mudline in the LDW.

samples. Between DSI's former two dry docks, zinc exceedances in subsurface sediment samples are greater than 10 times the screening level and range from 2,490 mg/kg at location DSI-SB-11 to 4,110 mg/kg at DSI-SB-04, within 5 to 9 feet below the mudline. A localized zinc subsurface hotspot of 3,380 mg/kg was identified offshore of the AML property (to the north) at location DSI-SB-13; zinc impacts in this area are mostly in the upper 2 feet below the mudline. Similar to the other IC metals for sediment, historical marine railway activities at the Site appear to be a source of elevated zinc levels, which resulted in a defined area of sediment contamination that is focused along the slope adjacent to the Site toward the footprint of the former dry docks, bound laterally by low levels of zinc in the LDW navigation channel (approximately 200 feet offshore of the Site) and horizontally by clean, native sediments (i.e., at approximately 10 feet below the mudline).

Exceedances of the TBT screening level (73 µg/kg) occur in 50 percent of RI subsurface sediment samples (Table 7-4). Over half of the stations have maximum TBT concentrations that are greater than five times the screening level. TBT subsurface sediment concentrations are the highest near the former DSI dry docks and graving dock and adjacent to the former DSI marine railway (Figure 7-3h). Samples from subsurface sediment stations near the former dry docks have a wide range of maximum TBT levels (e.g., ranging from 1,500 µg/kg at DSI-SB-04 to 15,000 µg/kg at DSI-SB-11). Most of the high TBT subsurface impacts are observed in the deeper sediment intervals (5 to 11 feet below the mudline). Elevated TBT concentrations near the dry docks are likely related to spent sandblast grit and paint generated as a result of historical DSI drydock operations. Stations located immediately adjacent to the marine railway (up the slope), such as DSIMR-02 and DSIP2-SB-14, generally have high subsurface TBT concentrations at shallower depth intervals (e.g., 1 to 5 feet below the mudline). TBT also is widespread throughout the LDW and is a common and persistent COC due to historical shipyard activities, both in-water and over-water, at many locations along the LDW (EPA 2014). No upland sources of TBT are known to exist at the Site. TBT is generally found in sediments throughout the LDW, although typically at much lower concentrations than those seen at DSI. The 95th percentile of all surface sediment TBT data on the LDW is 250 parts per billion (EPA 2014).

PCBs were tested in 137 subsurface sediment samples (Table 7-4 and Figures 7-3j and 7-3k). PCBs were detected in 120 subsurface sediment samples; all detections were above the PCB

screening level (2 µg/kg dry weight; based on natural background). The highest concentrations observed in RI samples were at DSI-SB-05 (8,900 µg/kg at 8 to 9.3 feet) and at DSI-SB-09 (6,500 µg/kg at 4.5 to 5.5 feet). Elevated PCB levels also were observed upstream of the Site, offshore of the former Glacier/Reichhold/U.S. Army property, at DSI-SB-01b (1,560 µg/kg, 6.5 to 8.5 feet below the mudline). Glacier/Reichhold Site sediment samples collected in 2012 contain elevated PCB concentrations typically between 2 and 8 feet below the mudline in Glacier Bay (EIM 2017). Location SED-SC-06 (in the middle of Glacier Bay) has a sample from 2 to 4 feet with a total PCB concentration of 2,240 µg/kg. That same core location also has elevated PCBs in the deepest analytical sample (244 µg/kg at 8 to 10 feet; EIM 2017). Total PCB concentrations also exceed the screening level at stations offshore of the AML property (e.g., 2,970 µg/kg at DSI-SB-07; 3.5 to 4.5 feet below the mudline). Total PCB levels in the subsurface generally decrease downgradient (to the east) and downstream (to the north). At most RI subsurface sediment locations, the total PCB concentration in the deepest sample interval is an order of magnitude lower than the peak concentration at that location, or is non-detect (Figure 7-3j). However, subsurface sediment samples from the margins of the RI sampling area have maximum total PCB concentrations over 350 times the screening level. Overall, the most significant subsurface impacts by total PCBs occur between 4 and 10 feet below the mudline, with some observed impacts as deep as 12.6 feet (at DSI-SB-09).

The spatial distribution of subsurface PCB impacts at the Site does not correlate well with those of TBT, arsenic, copper, or zinc. The concentrations (and magnitudes of screening level exceedances) for TBT, arsenic, copper, and zinc are much lower than those of PCBs in areas upstream (south), downstream (north), and east of the Property. PCBs also have higher magnitudes of screening level exceedances than TBT, arsenic, copper, and zinc at most downstream locations (e.g., at DSIP2-SB-09, -10, -08 and -07). In addition, only a few Aroclors were detected in subsurface sediment samples: Aroclor 1242 (detected in one sample at a low level), Aroclor 1248 (detected in 96 samples), Aroclor 1254 (detected in 117 samples), and Aroclor 1260 (detected in 118 samples). All other Aroclors were non-detect in subsurface sediment (Table 7-4). The vertical extent of PCB Aroclors is not bounded at any RI locations.

Total cPAH TEQ concentrations that exceed the screening level (150 µg/kg) occur at locations within or adjacent to the two former DSI dry docks, the former marine railway, and adjacent to the former graving dock (Figure 7-3n). The highest detected total cPAH concentrations in RI subsurface sediment samples were at DSI-SB-11 (2,703 µg/kg), DSI-SB-09 (3,995 µg/kg), and DSI-SB-15 (2,504 µg/kg). Total cPAH impacts at these locations typically occur within 8 to 12 feet below the mudline. Total cPAH levels are equally as high offshore of the former graving dock (3,154 µg/kg at DSI-SB-13) but are present at much shallower depths (1 to 2 feet below the mudline). Though at lower levels than the above examples, sediment samples from the top 2 feet in the footprint of the former DSI marine railway also are above the screening level (samples in this intertidal area were only collected within the top two feet). The lateral extent of cPAHs in subsurface sediment is not bounded by RI sampling stations, though the maximum cPAH concentrations in subsurface sediment decrease toward the center of the navigational channel (east of the Site). Total cPAH impacts in subsurface sediments are bounded at depth by samples below the screening level in a majority of subsurface locations, with the exception of the stations noted in Section 7.5.3 (see Figure 7-3n). At most stations (not including those beneath the marine railway), sample concentrations are highest around 8 feet below the mudline but are bounded by samples below the screening level at or near the approximate boundary with native LDW sediments (i.e., at approximately 11 to 12 feet below the mudline). Total cPAHs are also present in subsurface sediment samples in Glacier Bay. Exceedances of the screening level occur at many northern Glacier Bay sediment stations, including but not limited to: at SED-SC-07 in the 2- to 4-foot depth interval (470 µg/kg); at SED-SC-06 in the 0- to 1-foot, 2- to 4-foot, and 4- to 6-foot depth intervals (490 µg/kg, 2,700 µg/kg, and 2,900 µg/kg, respectively); at SED-SC-05 in the 2- to 4-foot depth interval (1,300 µg/kg); and at SED-SC-14 in the 0- to 1-foot and 2- to 4-foot depth intervals (1,900 µg/kg and 1,600 µg/kg, respectively) (EIM 2017). Total cPAHs are an LDW-wide COC and are present at elevated levels throughout the LDW (EPA 2014).

Subsurface sediment samples exceed the BEHP screening level (47 mg/kg-OC) in the area between the former DSI dry docks (Figure 7-3p). The highest BEHP concentrations in subsurface sediment are 329 mg/kg-OC (DSI-SB-08), 126 mg/kg-OC (DSI-SB-04), and 117 mg/kg-OC (DSI-SB-10), all located midway down the slope and in deeper sediment intervals (e.g., 8.3 to 13.3 feet). A small subsurface BEHP hotspot is observed at DSIP2-SB-12

(6.5 to 8.5 feet). BEHP is a common LDW contaminant with a known ongoing urban signature that likely has migrated away from the closest outfall.

Benzyl alcohol in subsurface sediment is detected across the Site at concentrations two and five times over the screening level (57 µg/kg; Figure 7-3r). The highest benzyl alcohol concentration observed in subsurface sediment was 280 µg/kg at DSI-SB-02, located upstream of the Site and adjacent to the former Glacier/Reichhold/U.S. Army property, at 1 to 2.3 feet below the mudline. Hotspots of subsurface benzyl alcohol impacts are observed within the footprint of the former dry docks, in the center of the LDW navigational channel, and adjacent to AML's property (to the north); the highest concentrations typically occur within the top 2 feet. Benzyl alcohol is a common COC for the entire LDW (EPA 2014). According to a recent study by the USACE, elevated benzyl alcohol concentrations (including those from the LDW basin) may be directly attributable to the presence of decaying organic matter in sediments (USACE 2016).

Figure 7-3u shows the distribution of maximum 1,2-dichlorobenzene concentrations in subsurface sediment. Slight exceedances of the 1,2-dichlorobenzene screening level (2.3 mg/kg-OC) were observed at five locations in the footprints of the former DSI dry docks. The highest 1,2-dichlorobenzene concentration was 7.9 mg/kg-OC at DSI-SB-09 within the 4.5- to 5.5-foot depth interval. At DSI-SB-08, a slightly lower concentration was observed (7.3 mg/kg-OC) at a deeper interval (12 to 13.3 feet). These impacted areas may be associated with former DSI outfall 005, because 1,2-dichlorobenzene is a known urban contaminant. The extent of 1,2-dichlorobenzene subsurface contamination is also co-located with BEHP and benzyl alcohol impacts. There are no known sources of 1,2-dichlorobenzene at the Site; this chemical is not an IC in Site soil or groundwater.

Dioxins/furans have been identified as a human health risk driver for the LDW (EPA 2014). Exceedances of the total dioxin/furan screening level (2 ng/kg; natural background) occurred at all RI sediment locations (Figure 7-3t) with a geometric mean concentration of approximately 10.4 ng/kg for all 85 samples. The highest total dioxins/furans concentrations were detected adjacent to the AML property (1,025 ng/kg at DSIP2-SB-11 and 686 ng/kg at DSI-SB-07) in samples collected from 6.3 to 11.9 feet below the mudline. Elevated dioxin/furan concentrations also were observed immediately adjacent to the Site, but at

much lower levels (213 ng/kg at DSIMR-01 and 119 ng/kg at DSIMR-02, both at 0 to 2 feet below the mudline). DSIMR-01 is an RI location with several other IC impacts (e.g., by metals, total cPAHs, total PCBs, and TBT). Samples within the former DSI marine railway (i.e., at stations DSIMR-01, -02, -03, -04, and -05) were only collected in the top 2 feet due to vessel access restrictions in this area that required sampling to be performed using a hand auger (e.g., instead of a vibracore). As such, the vertical extent of dioxin/furan impacts below 2 feet in this area are not known. Dioxin/furan exceedances at all other RI sediment locations occur at a wide range of depth intervals, but are typically within the top 9 feet below the mudline. In most other subsurface samples (i.e., in 80 of 85 samples), total dioxin/furan levels were below 100 ng/kg.

Sediments in Glacier Bay, located upstream of the Site and offshore of the former Glacier/Reichhold/U.S. Army property, have known elevated dioxin/furan concentrations as a result of historical PCP manufacturing and wastewater discharges by Reichhold (ERM 2012). Total dioxin/furan TEQ concentrations in subsurface sediments throughout Glacier Bay typically exceed 25 ng/kg dry weight and many also exceed 100 ng/kg dry weight (EIM 2017; ERM 2015). Subsurface samples from Glacier/Reichhold RI sediment stations SED-SC-05, SED-SC-14, SED-SC-04, and SED-SC-15, all of which are located in the northern portion of Glacier Bay, immediately upstream of and adjacent to the DSI Site, have total dioxin/furan concentrations ranging from 195 ng/kg to 2,034 ng/kg dry weight in the top 6 feet below the mudline (EIM 2017; ERM 2015). At Glacier/Reichhold sediment station SED-SC-06, which is located in central Glacier Bay, samples at all depths (0 to 10 feet) are well over 25 ng/kg, including the deepest sample collected (357 ng/kg at 8 to 10 feet below the mudline) (EIM 2017; ERM 2015). Shoreline ("top of bank") soils at the Glacier/Reichhold Site also contain elevated levels of PCP and dioxins/furans (ERM 2015).

7.5.3 Sediment Data Gaps

Though surface and subsurface sediment at the Site have been extensively sampled and tested for COPCs based on historical Site operations, the lateral extent of sediment impacts is not fully defined for all Site ICs based on the current Site screening levels, and based on the overlapping presence of many Site ICs at elevated levels within (and related to off-site

sources adjacent to) the LDW Superfund Site. Specifically, the following are not fully bounded:

- The lateral extent of arsenic, copper, zinc, cPAHs, dioxins/furans, benzyl alcohol, TBT, and total PCBs in surface sediments upstream, downstream, and in some cases, riverward of the Site
- The lateral extent of TBT in surface sediments downstream of the Site
- The vertical extent of subsurface impacts in the marine railway area because no samples deeper than 2 feet were collected in this area (due to vessel access restrictions)
- The vertical extent of arsenic in subsurface sediments beneath the marine railway and at several stations adjacent to and downstream of the Site
- The vertical extent of copper in subsurface sediments beneath the marine railway and at DSI-SB-08 and DSI-SB-09
- The vertical extent of zinc in subsurface sediments beneath the marine railway and at DSI-SB-08
- The vertical extent of TBT in subsurface sediments beneath the marine railway and at DSI-SB-11, DSI-SB-09, DSI-SB-03, DSI-SB-08, and DSI-SB-14
- The vertical extent of PCB Aroclors (dry weight) at all stations
- The vertical extent of PCB Aroclors (based on OC-normalized concentrations) beneath the upstream portion of the marine railway and at DSI-SB-14, DSI-SB-12, DSI-SB-17, DSI-SB-12, DSI-SB-11, DSIP2-SB-05, DSI-SB-09, DSI-SB-16, DSI-SB-08, DSI-SB-15, and upstream station DSIP2-SB-01b
- The vertical extent of cPAHs beneath the marine railway and at DSI-SB-14, DSI-SB-07, DSI-SB-12, DSI-SB-11, DSI-SB-09, DSI-SB-16, DSI-SB-15, and DSI-SB-08
- The vertical extent of BEHP at DSI-SB-08 and DSI-SB-09
- The vertical extent of benzyl alcohol at DSIP2-SB-10, DSIP2-SB-08, DSIMR-03, DSI-SB-09, DSI2-SB-14, and DSI-SB-15
- The vertical extent of total dioxins/furans beneath the marine railway and at DSI-SB-07, DSIP2-SB-12, DSIP2-SB-06, DSI-SB-09, and upstream station DSIP2-SB-01b
- The vertical extent of 1,2-dichlorobenzene at DSI-SB-08, DSI-SB-09, DSI-SB-10, DSIP2-SB-05, and DSI-SB-13

It is very challenging to fully characterize the Site based on the very stringent screening levels, which must be based on PQL, natural background concentrations, or risk-based threshold concentrations (i.e., the highest value is selected). In addition, many of the sediment ICs are site-wide COCs for the entire LDW, and these chemicals are present at elevated levels related to off-site sources. As such, distinct bounding of all sediment ICs was not always possible or practicable using the current set of screening levels or considering the current sediment contamination present in the LDW.

7.6 Stormwater and Catch Basin Solids Results

Available RI catch basin solids and stormwater data are compiled in Tables 7-9 and 7-10, respectively. RI stormwater and catch basin solids data are reported but are not screened. No specific ICs were derived for catch basin solids or stormwater; therefore, sediment and groundwater ICs are referenced in this section for the purposes of discussing catch basin solids and stormwater results.

7.6.1 Catch Basin Solids Results

The analytical results for catch basin solid samples are summarized in Table 7-9. As described in Section 4.1.2, in March 2012, AML performed storm sewer line repairs at the DSI Property, abandoning historical catch basin DSI-22 (last sampled in September 2006) and installing new catch basin DSIP2-CB-01 to reroute stormwater to a sump near Outfall 005 on the DSI Property (Figure 2-1). This catch basin was sampled on October 2013, and accumulated solids were collected from the sump when there was no precipitation or accumulated water present (i.e., to support collection of all grain sizes present in the catch basin).

Arsenic, copper, and zinc were detected in both catch basin solids samples. Total cPAHs, total PCBs, and dioxin/furans were detected in both catch basin solids samples, but at very low concentrations (Table 7-9).

7.6.2 Stormwater Results

The analytical results for stormwater are summarized in Table 7-10 for the one RI sampling location on Site (DSIP2-STW-01). Samples were collected during five qualifying storm events between early December 2013 and mid-April 2014.

Dissolved arsenic and dissolved copper were detected in all five stormwater samples. Arsenic concentrations ranged from 0.4 µg/L (December 2013 storm event) to 2.9 µg/L (March 2014 storm event), and copper concentrations ranged from 6 µg/L (April 2014 storm event) to 10.2 µg/L (March 2014 storm event), as shown in Table 7-10. Dissolved zinc was only detected during the first, second, and fifth storm events, with concentrations varying between 12 and 20 µg/L. Total cPAH concentrations in stormwater were detected during all five stormwater events. The maximum cPAH concentration was observed in April 2014 at 0.057 µg/L (Table 7-10).

8 CONCEPTUAL SITE MODEL

This section summarizes the CSM for the Site. The CSM, a conceptual framework, is based on data presented in this RI Report and incorporates the following:

- The hydrogeologic and aquatic setting
- Current and planned future Site uses
- The nature and extent of COCs in soil, groundwater, and sediments
- The fate and transport of COCs and the potential impacts to environmental receptors

With this framework, the CSM will guide the development of the FS, including the selection of CULs and cleanup alternatives appropriate for the Site.

The RI data were compared to the Site-specific screening levels, previously derived in Section 6 for soil, groundwater, and sediments. Chemicals that were present at concentrations exceeding media-specific screening levels with detected or undetected results in one or more samples were identified as COPCs. Based on the large list of COPCs, and relying on the representativeness of the RI data for the Site, a statistical analysis was conducted for selected media (soil, groundwater, and sediment) to identify a focused list of COCs. From the list of COCs, ICs were identified as a subset of COCs that pose the greatest human health and ecological risks, have the largest contamination footprint, and represent each major analytical group where multiple sources may have different vertical or horizontal distributions. Additional details regarding the selection of Site COPCs, COCs, and ICs are provided in Appendix D.

Based on the above criteria, the selected Site ICs by media are as follows:

- ICs in soil are metals (arsenic, copper, zinc), benzene, total cPAH TEQ, total PCBs, SVOCs (benzyl alcohol, PCP), total dioxins/furans TEQ, TPH-G, and total diesel and motor oil range hydrocarbons.
- ICs in groundwater are dissolved metals (arsenic, copper, zinc), total cPAH TEQ, acrylonitrile, and vinyl chloride.
- ICs in surface sediment are metals (arsenic, copper, zinc), TBT, total PCBs, total cPAH TEQ, SVOCs (benzyl alcohol, BEHP), and total dioxins/furans TEQ.

- ICs in subsurface sediment are metals (arsenic, copper, zinc), TBT, total PCBs, total cPAH TEQ, SVOCs (1,2-Dichlorobenzene, benzyl alcohol, BEHP), and total dioxins/furans TEQ.

Tables 7-1 through 7-4 summarize the selected ICs for each medium. The nature and extent of the maximum IC concentrations at each RI location are mapped, compared to screening levels, and interpolated across the Site in Figures 7-1a through 7-1v (for soil), 7-2a through 7-2f (for groundwater), and 7-3a through 7-3u (for surface and subsurface sediment). Cross sections that show the vertical extent of ICs in soil, groundwater, and sediment along six different transects are included as Appendix G-1.

The CULs that will be developed in the FS will consider the following:

- Sediment—CULs established in the ROD (EPA 2014) for the LDW, as well as the benthic SCO levels in SMS.
- Surface water—applicable and relevant values from state and federal marine surface water quality standards for protection of human health through the consumption of seafood and protection of aquatic organisms.
- Groundwater—protection of marine surface water and LDW sediment.
- Soil—protection of direct contact by current and future on-site industrial and construction workers and groundwater concentrations that are in turn protective of surface water and LDW sediment. CULs will take into account natural attenuation processes from groundwater to surface water/sediment.

A sediment CUL for TBT will be developed in the FS in accordance with the SMS (WAC 173-204). No CUL or benthic SCO level exists in the ROD for TBT, an indicator chemical for sediments adjacent to the DSI Property. Risk-based threshold concentrations (RBTCs) for TBT from nearby sites (e.g., East Waterway and West Waterway) will be reviewed, discussed with Ecology and EPA, and considered as part of the CUL development for the Site.

8.1 Site Description and Development Plans

The Site includes approximately 5 acres of land owned by DSI and is located on the western shoreline of the LDW between RM 1.3 and 1.4. The upland property area is bounded by the AML property to the north, the CalPortland property to the south, West Marginal Way to the west, and the Duwamish River to the east, as shown on Figure 2-1. The USACE maintains the waterway channel for navigation. Portions of the shoreline area contain a former timber marine railway structure and over-water timber pier. The Site is located in a highly industrialized area and is currently zoned for General Industrial (IG1 U/85) use.

The upland topography of the Site is relatively flat, ranging from elevations of 14 to 17 feet MLLW. A timber bulkhead is present along a portion of the shoreline (adjacent to the marine railway), and armored slopes have been constructed along the northern and southern portions of the shoreline. Fill material was reported to be soil, broken concrete, scrap steel, and USACE-permitted riprap fill. Bathymetry within the berth and waterway areas consists of gentle to steep slopes that drop to meet the waterway navigation elevation of -30 feet MLLW.

The geology of the Site has been defined by a number of soil and sediment borings completed at the Site and at neighboring properties. The upland surface is underlain by a relatively thin layer of fill, which consists of compact sand and gravel. The fill extends from 2 to 10 feet bgs in the upland areas. RI borings identify a silt layer (containing organic matter) at the base of the fill and extending to a depth of approximately 12 to 15 feet bgs, which may represent the uppermost native soil. Underlying the silt layer is gray sand with intermittent silt interbeds and layers. Armoring and bulkheading have modified the shoreline in the eastern portion of the DSI Property. Sediment generally consists of recent, soft silt deposits (ranging from approximately 1 to 10 feet in thickness) overlying the gray native sand observed in the upland area.

Groundwater is located approximately 5 feet bgs throughout the upland area of the Site and fluctuates during periods of high and low tide. Groundwater gradients generally slope to the east (towards the LDW) and tidal fluctuation of groundwater levels occurs across the DSI Property. Tidal fluctuation results in a tidally influenced mixing of groundwater in the nearshore area prior to discharge into the LDW.

Prior to construction of the DSI shipyard facility, the Site consisted of vacant lowland property. King County plat maps and other historical maps show that the DSI Property was located along the western shoreline of the former Duwamish River prior to waterway development. The DSI Property was developed in the 1940s and used between the 1940s and April 2007 for operation of a commercial shipyard. Shipyard activities terminated in April 2007.

Since June 2007, the upland portion of the Site has been used by AML (under a long-term lease with DSI) for container storage and yard operations, equipment storage, and cargo trans-shipment operations (Figure 2-1; barge loading and unloading activities). In May 2016 AML paved the entire upland portion of the Site with asphalt. The asphalt design included placement of three (3) inches of 1-inch-diameter gravel as a base covered by four (4) inches of asphalt. In order to protect the existing Site groundwater monitoring wells, AML surrounded each of the wells with a manhole ring and covered each with a sewer manhole lid. Additional upgrades may be made in the future, including updates to the stormwater collection, treatment, and discharge infrastructure. The shoreline will likely need to be rebuilt (e.g., with a new bulkhead) in the future to maintain stability of the upland area during any soil, bank material, and/or sediment removal required as part of the cleanup of the aquatic portion of the Site. These shoreline improvements were proposed in 2011 and are currently on hold pending Ecology's approval of an interim upland remedial action proposed by DSI and/or resolution of Ecology and EPA requirements for cleanup of the Site.

8.2 Primary Sources of Contamination

8.2.1 On-site Sources of Contamination

Areas where soils exceed screening levels include primarily shallow soils (i.e., 0 to 6 feet) in the locations of former USTs; the footprints of the former DSI machine shops, storage and paint shops, and steel and pipe shops; in the area of the former Reichhold Rail Spur; adjacent to a former U.S. Army septic tank; and throughout nearshore fill areas, including an area historically used by Reichhold for storage of PCP wastewaters. ICs in soil are likely associated with historical operations and material handling areas at the Site, as well as operations by Reichhold (and other operators) who occupied areas on or along the southern boundary of the DSI Property and contributed to the soil contamination.

Shallow groundwater exceedances for dissolved arsenic exist in the former Reichhold Rail Spur footprint (i.e., at DSIP2-13). Results of soil sampling in this area (including results from the Glacier/Reichhold Site), however, do not indicate a specific soil source of the elevated dissolved arsenic observed in DSI Site groundwater. Other isolated groundwater exceedances occur primarily in the shallow aquifer; minor, localized exceedances of dissolved copper and zinc screening levels occur in groundwater in the northern portion of the Site. Total cPAH, diesel and motor oil range hydrocarbon levels in groundwater (2014 to 2015) are all below site screening levels. Nearshore (bank) and sediment exceedances of screening levels for zinc, arsenic, copper, and TBT appear to be associated with nearshore or overwater historical shipyard activities.

PCB levels in Site soils are typically low (most detections are below 55 µg/kg). Much higher levels of PCBs have been detected in sediment (most are over 100 µg/kg). Sediments adjacent to the DSI Property contain a different mixture of Aroclors than those in Site soils (i.e., DSI soils lack Aroclor 1248, which is detected in nearly all sediment samples; see Figure 7-4). DSI acknowledges that, while there is no Site-specific evidence of such use, PCB-containing marine paints and/or other materials (e.g., sealant, lubricants, hydraulic fluids) could have been used during historical shipyard operations.

8.2.2 Off-site Sources of Contamination

Arsenic, PAHs, PCBs, and dioxins/furans have been identified as the human health risk drivers for the LDW (EPA 2014). Nearshore (bank) and sediment exceedances of screening levels for zinc, arsenic, copper, and TBT are primarily associated with nearshore and/or overwater historical shipyard activities. Other ICs detected in sediments at concentrations exceeding the screening levels also are present in areas beyond the boundaries of the Site. The areas with IC impacts are typically divisible from impacts observed in the LDW navigational channel. Sediments outside the Site are part of the LDW and are subject to sediment cleanup requirements defined by the ROD (EPA 2014) for the LDW. Concentrations of dioxins/furans are highest in sediments within Glacier Bay and offshore of AML, with lower concentrations present in sediments immediately adjacent to the Site, comparable to levels in the LDW navigational channel. Chlorinated benzenes and PCP have been detected in subsurface sediments adjacent to the DSI Property in areas downstream from the former Reichhold operations. Elevated PCP levels also are present in

Glacier/Reichhold Site soils near the southern DSI Property boundary (Figure 7-1q) and may be an ongoing source of PCP to Glacier Bay sediments.

It is also possible that PCB contamination in sediments adjacent to DSI Property may have originated from off-site sources, including, but not limited to, adjacent outfalls on the Glacier/Reichhold Site and the Terminal 115 Site (see Sections 3 and 7). Specifically, as described in Section 3.3, a historical 240-foot outfall installed by Reichhold in the mid-1950s discharged contaminated wastewater (which could have contained PCBs) from its chemical plant immediately adjacent to the Site (ERM 2015). In addition, a historical U.S. Army/Reichhold shoreline outfall discharged stormwater from a vegetated ditch just south of the DSI Property boundary (ERM 2015). That shoreline outfall drainage area also included a former transformer enclosure, which may have been a potential source of PCBs.

Storm drain in-line solids and sediment trap samples were collected from two active outfalls along the southern end of Glacier Bay (a Terminal 115 outfall [2128] and King County CSO [2127]; Figure 7-4) as part of a Seattle Public Utilities Tracer Study (Leidos 2014). In September 2011, an in-line solids sample from Outfall 2128 detected a Total PCB Aroclors concentration of 313 µg/kg, which is over 150 times the LDW sediment cleanup level (2 µg/kg; Table H-4; Leidos 2014; EIM 2018; EPA 2014). Out of nine in-line sediment and storm drain samples collected from Outfall/CSO 2127 between 2009 and 2016, there were eight detections of PCB Aroclors and one non-detect (i.e., at the laboratory reporting limit of 18 µg/kg). The detected concentrations of PCB Aroclors ranged from 83 µg/kg to 710 µg/kg (i.e., 40 to over 350 times the LDW sediment cleanup level for PCBs [2 µg/kg]; Table H-4, Appendix H; EIM 2018; EPA 2014).

8.3 Contaminant Fate and Transport

8.3.1 Upland Processes

Multiple processes can affect the fate and transport of contaminants (Table 8-1 and Figure 8-1). The following describes the upland processes that may transport contamination, along with those that may attenuate contaminant migration, terminate exposure pathways, and/or destroy or neutralize the contamination prior to reaching the receptor. Potential

transport pathways that could result in transport of soil or groundwater contamination include the following:

- Stormwater entrainment: Potentially relevant only to catch basin solids or to contaminated shallow soils that are not capped with clean soil or pavement.
- Soil leaching: Soil contamination can leach to groundwater, resulting in groundwater impact. Due to the age of the Site and potential contaminant releases, the potential leachability of soil contaminants can be directly assessed using empirical groundwater data.
- Groundwater migration: Groundwater generally migrates toward the LDW. Total cPAHs are below the screening level throughout the Site, including areas in the nearshore areas adjacent to the LDW. Other groundwater ICs are present, typically in shallow groundwater only, in inland and nearshore hotspots.
- Groundwater extraction: City codes prohibit consumptive use of Site groundwater. Groundwater extraction is only considered a significant potential risk if utility corridors are installed in saturated soils with preferential drainage toward the LDW.

The processes that can limit the transport of upland contaminants or that can result in destruction or neutralization of these contaminants include the following:

- Biodegradation: Biodegradation processes can effectively destroy organic compounds such as petroleum hydrocarbons, benzene, and vinyl chloride.
- Geochemical stabilization: Geochemical processes can precipitate inorganic constituents such as arsenic, thus reducing or preventing their transport through groundwater.
- Tidally influenced groundwater mixing: Groundwater mixing occurs at the Site due to tidal influences, thus reducing the concentration of groundwater constituents prior to discharge of Site groundwater into the sediment biologically active zone and surface water.

8.3.2 Shoreline and Sediment Processes

In the LDW, the transport and fate (Table 8-1 and Figure 8-1) of particle-associated chemicals (e.g., total PCBs) are affected by a range of physical and chemical processes, and the following information is directly from studies conducted for the LDW. Generally,

sediment transport processes (i.e., net sedimentation, erosion, bed stability) have a significant effect on the transport and fate of these types of chemicals. The STM study (QEA 2008) focused on a quantitative evaluation of the physical transport of LDW sediments. The LDW FS (AECOM 2012) used the results of the STM analyses, along with relevant chemical information, to examine the importance of sediment transport processes relative to potential remedial alternatives for the LDW.

Sediment dynamics have been quantified through two sequential sediment transport models, with results published in the Sediment Transport Analysis Report (STAR; Windward and QEA 2008) and the STM Report (QEA 2008). The STAR, which documents the hydrodynamics related to water flow, identified three CSM reaches in the LDW, taking into consideration the geomorphology, extent of the saltwater wedge, and relative scour potential. The STM, which documents the movement of sediment (related to scour, deposition, and transport patterns), was then used to refine the CSM presented in the LDW FS (AECOM 2012).

The STM (QEA 2008) also evaluated three physical processes significant for the FS: (1) bed stability related to scour potential from high-flow events and passing ship traffic; (2) net sedimentation rates; and (3) solids loading into and out of each model grid cell in the LDW.

8.3.2.1 Physical Conceptual Site Model

8.3.2.1.1 Sediment Bed Stability and Scour Potential

Scour of bed sediment materials can be caused on a reach-wide scale by river discharge during high-flow events (i.e., high-flow-induced scour) and by vessel traffic moving along the navigation channel. On localized scales, scour can occur as a result of vessel maneuvers in berthing areas like those adjacent to DSI and current AML operations. These three types of scour are discussed below.

The relationship between shear stress and erosion rate was used to identify areas in the LDW that could potentially experience erosion under Green/Duwamish River discharge conditions ranging from average flow to the 100-year high-flow event. The general findings identified

by the STAR (Windward and QEA 2008) and updated in the STM (QEA 2008) are summarized below:

- During all flow conditions, bed shear stress tends to be higher in the navigation channel than in the bench areas.
- During high-flow events in Reach 1, negligible bed scour occurs in most of the area downstream of RM 1.8. The denser saltwater wedge acts as a layer of protection against the high-flow velocities occurring above the saltwater wedge.

The results of the STM indicate that bed scour by passing vessels does not have a significant effect on the erosion rate for properties at particular locations in the bench areas or the navigation channel of the LDW. Ship-induced bed scour is viewed as an impulsive erosion-deposition process that tends to behave like an ongoing, small-scale, shallow mixing process for surficial bed sediment. Scour by transiting ships is not a significant sediment transport mechanism because it is estimated to occur in few grid cells and, where scour is estimated, the depth is shallow (i.e., less than 1 cm per ship passage in Reach 1 [RM 0 to RM 2.2], and less than 0.1 cm per ship passage in Reach 2 [RM 2.2 to RM 4.0]). The estimated scour depth is within the top 10 cm active mixing layer, and is therefore merely another mixing process within that zone. It is not a significant transport mechanism relative to the other active mixing processes.

8.3.2.1.2 Net Sedimentation Rates

Net sedimentation rates were determined in the STM (QEA 2008) and validated using empirical evidence from the RI and historical cores. The STM quantified sedimentation rates on a grid-cell basis using bed sediment properties (e.g., grain size and scour potential) and incoming TSS and bed loads. Net sedimentation rates in the intertidal and subtidal bench areas were estimated to range from 0.2 cm/year to greater than 2.0 cm/year, with those in the intertidal areas being on the order of 0.5 cm/year. The cores having lower estimated net sedimentation rates were generally collected from areas with shallower water depths (i.e., intertidal elevations above -4 feet MLLW) than the other geochronology cores, suggesting that these areas may be subject to relatively low deposition.

8.3.2.2 Chemical Conceptual Site Model

8.3.2.2.1 Contaminant Distribution Patterns

The baseline Human Health Risk Assessment (Windward 2007b) identified four human health risk drivers: total PCBs, arsenic, total cPAHs, and dioxins/furans. These risk drivers are present at elevated levels throughout the LDW and are evaluated in the LDW FS at three spatial scales appropriate to human exposure: site-wide (netfishing), in potential clamming areas, and in beach play areas. In addition, 41 of the 47 contaminants (including total PCBs and arsenic) for which SMS criteria are available are risk drivers for benthic invertebrates because detected concentrations of these contaminants in surface sediments exceeded SMS criteria at one or more sediment stations. SMS contaminants were evaluated on a point basis, as relevant to benthic invertebrate exposure. Total PCBs are also a risk driver for river otters and were evaluated on a site-wide basis for this receptor (EPA 2014). The distribution of ICs in sediments adjacent to the DSI Property is discussed subsequently.

Most surface and subsurface contamination is concentrated in the vicinity of the former DSI marine railway (where sandblast grit-like material has been observed) and in the footprints of the former drydocks. In general, higher IC concentrations were found in subsurface sediments and lower concentrations were found in surface sediments. Arsenic, zinc, copper, and TBT impacts in surface sediment are highest in the footprint of the former DSI marine railway area but are also elevated offshore of the AML property and within the LDW navigational channel downstream (up to 600 feet) of the DSI Property.

PCB, total cPAH, and dioxin/furan sediment impacts occur adjacent to the DSI Property, at stations in the LDW navigational channel, upstream and up to 600 feet downstream of the Site at a wide range of depth intervals. In the subsurface, cPAHs are highest near the two former DSI dry docks, the former marine railway, and adjacent to the former graving dock. PCBs are widespread in subsurface sediments throughout the LDW, becoming concentrated adjacent to the former 240-foot Reichhold wastewater outfall (i.e., upstream of former Dry Dock No. 2), where there is a depositional environment in the footprint of DSI's former dry docks. The PCB footprint extends along the navigation channel, and offshore of the AML property (i.e., immediately downstream of the Site). The highest total dioxins/furans concentrations in subsurface sediment adjacent to the DSI Site were detected offshore of the AML property. PCB and cPAH levels in the subsurface generally decrease to the mid-

channel and downstream (to the north) of the DSI Property. As discussed in Section 7.5.2, the spatial extent of subsurface PCB impacts at the DSI Site does not correlate well with those of TBT, arsenic, copper, or zinc.

BEHP and 1,2-dichlorobenzene impacts are typically lower in magnitude than other sediment ICs, occur primarily in subsurface sediment, and concentrate in areas adjacent to former outfalls. In contrast, benzyl alcohol impacts are widespread, typically in surface sediment, and do not correlate well with those of other sediment ICs at the Site.

8.3.2.3 Sources and Pathways

The third component of the CSM evaluates the source of the contaminants and the likely pathways by which these contaminants are transported into and within the LDW. This section focuses on the sources and pathways for sediment ICs at the Site. During the development of CULs, potential sources in the upland and nearshore areas will need to integrate with Site development plans to evaluate significant sources and pathways that drive any impacts to human health or ecological receptors. Similarly, sediment CULs will need to also address Site associated risk drivers and overall LDW impacts not associated with the Site.

8.3.2.3.1 Historical and Ongoing Sources of Contaminants

Today, many sources of historical origin, including direct discharges of municipal and industrial wastewater and spills, have been identified and controlled to some extent by enhanced regulatory requirements, improved housekeeping practices, and technological advances. The reduction of some contaminants, such as total PCBs, is due in part to banned production and use in the United States; however, significant contamination of historical origin is still present in the environment, and releases are ongoing. Such PCB legacies throughout the LDW include older paints, caulks, and building materials still on or in existing structures, as well as soils and groundwater that were contaminated while PCBs were still actively used and produced in the United States. Historical sources likely contributed much of the sediment contamination in the LDW, and historically impacted media/materials remain in the drainage basin and continue to be transported to the LDW (AECOM 2012).

Potential sources of Site ICs (arsenic, copper, zinc, TBT, total PCBs, total cPAHs, total dioxins/furans, BEHP, benzyl alcohol, and 1,2-dichlorobenzene) are summarized below:

- Although PCB production was banned in 1979, historical PCB use continues to affect the LDW today in a number of ways, including flaking paints, caulking, and building materials that contain total PCBs and contaminated soils and groundwater. Historical sources of PCBs to the LDW include dielectric fluids, waste oils, hydraulic oils, paints, and sealants. PCBs were also historically released with cement kiln emissions, along with dioxins/furans. PCBs come from industrial, commercial, and residential properties (e.g., hydraulic fluid in historical equipment). Total PCBs are present in the LDW drainage basin in sources such as contaminated soils and building materials such as paint and caulk (e.g., the former Rainier Brewery building, now known as Rainier Commons, which has paint on its exterior walls with total PCB concentrations greater than 10,000 mg/kg dry weight) (AECOM 2012).
- Arsenic was historically (and is currently) used in lumber treatment and is released with other metals during vessel repair. Arsenic was also released historically in air emissions from smelters, wood-treating facilities, and distillate oil combustion. Atmospheric releases of arsenic have been significantly minimized by the closure of smelters. Releases of arsenic and other metals to the LDW have been reduced by housekeeping practices and other controls on wastewater discharge at facilities that practice activities such as vessel maintenance (AECOM 2012).
- Copper has been used as a biocide in anti-fouling paints applied to boat hulls and is commonly found in electrical products. In agriculture, copper compounds are used as fungicides and in fertilizers (ASTDR 2004). Historically, sandblasting, painting, boat repair, and other shipyard maintenance activities had the potential to contribute copper to the LDW. Copper also is a waste product associated with the production of vanillin and wood preserving resins.
- Zinc is commonly used as a protective coating of other metals, such as iron and steel, and is frequently alloyed with other metals (e.g., copper and aluminum). Zinc also is used in paint coatings, to reinforce rubber, as a heat conductor, and in some agricultural fertilizers. Zinc compounds also have widespread medical and household applications (ASTDR 2005).
- TBT is a biocide that has been used extensively to prevent the growth of marine organisms (i.e., as an antifoulant) on the hulls of large ships. Developed in the 1960s,

TBT became a popular anti-fouling paint worldwide. As such, elevated concentrations of TBT in water, sediment, and wildlife species are commonly associated with commercial ports and waterways, shipyards, shipping lanes, marinas, and other similar facilities. In 1988, the United States banned TBT on vessels under 82 feet long. The United States and several major European countries voluntarily stopped producing TBT in 2001 (IMO 2002).

- PAHs are generated from the burning of organic matter, fossil fuels, and charcoal (pyrogenic) and are present in refined petroleum products (petrogenic). Therefore, PAHs are continually generated and released to the LDW drainage basin and airshed through petroleum use and combustion. In addition, PAHs were historically released from brick manufacturing operations, hydraulic equipment manufacturing, machine shops, and from repair and fueling of vehicles, airplanes, trains, and vessels. They can continue to be released by most of these sources, but BMPs controlling spills and leaks have reduced input from these sources. Finally, to a lesser extent, timber piles and dolphins (groups of closely driven piles used as a fender for a dock, a mooring, or a guide for vessels) in the LDW, as well as utility poles and railroad ties within the watershed, were treated with creosote, which can deposit PAHs directly into the LDW or onto impervious surfaces in the watershed as these creosote-treated structures degrade (AECOM 2012).
- Dioxins/furans are not used in manufacturing operations, but are unintentionally formed as byproducts of incineration when chlorine and organic material are present. They were historically (and are currently) released from the burning of waste and from paper mills, cement kilns, and drum recycling. Historically, dioxins/furans were byproducts of PCP (used, for example, in wood treating) and pesticide production. Neither wood treating nor pesticide production activities are present in the LDW drainage basin today (AECOM 2012).
- BEHP is a common LDW contaminant with a known ongoing urban signature that generally occurs in localized areas near large outfalls (i.e., stormwater discharges). BEHP has been widely detected in storm drain samples collected throughout the LDW drainage basin (Windward 2010). The urbanized land use in the drainage basin is expected to result in continued inputs for this contaminant.

- According to a recent study by the USACE, benzyl alcohol concentrations, including those from throughout the LDW basin, may be directly attributable to the presence of decaying organic matter in sediments (USACE 2016).
- 1,2-dichlorobenzene does not occur naturally, but is generated for use in the manufacture of a variety of oils, waxes, rubbers, dyes, and asphalts (ASTDR 2018). 1,2-dicholorobenzene is released to the environment via fugitive emissions during manufacturing, industrial use, and disposal as an unwanted byproduct. The general population is exposed to 1,2-dichlorobenzene via inhalation of ambient air (ASTDR 2018).

8.3.2.3.2 Pathways to the Lower Duwamish Waterway

To identify and manage sources, it is important to understand sources (discussed above) and pathways from the Site to the LDW sediments. Contaminated media from within the LDW drainage basin can affect sediments in several ways, which can be organized into seven general types based on the affected media, the origin of contamination, and pathways to sediments:

- Direct discharge (e.g., CSOs, storm drains)
- Surface water runoff or sheet flow
- Spills and/or leaks to the ground, surface water, or directly into the LDW
- Groundwater migration/discharge
- Bank erosion/leaching
- Atmospheric deposition
- Transport of re-suspended contaminated sediments

These pathways, as they relate to the Site ICs, are discussed in more detail below. Not all pathways are complete or significant at all locations or at all times. Ongoing sources include those associated with industrial and general urban use within the watershed. Examples of contaminants and their sources include PAHs (fossil fuels), phthalates (plastics), zinc (tire wear), and copper (brake pads). Ongoing sources also include legacy contamination from historical upland operations, which continue to impact the LDW via ongoing pathways, such as groundwater migration/discharge and bank erosion. Contaminants released to media such as air, soil, groundwater, and surface water or to impervious surfaces may migrate to the LDW through various pathways.

Historically and particularly prior to the adoption of discharge permit requirements, controls on wastewater discharges and use of BMPs were not common. In particular, PCB discharges are expected to have been of a greater magnitude historically before commercial PCB production was banned in 1979. However, trends for other contaminants such as BEHP and PAHs suggest rising levels due to increased urbanization (AECOM 2012).

8.3.2.3.3 Exposure Pathways

Under current and anticipated future conditions, the upland portion of the Site meets the criteria for classification as an industrial property under WAC 173-340-200, and the groundwater beneath the Site is not potable. Current and future on-site industrial and construction workers, as well as future on-site subsistence and recreational fish and shellfish consumers, are the potential human receptors associated with the Site. Terrestrial wildlife is not a potential receptor group for the Site due to the lack of upland habitat; however, benthic communities and aquatic wildlife (i.e., higher trophic level species) that are exposed to surficial sediments adjacent to the DSI Property are potential receptors for the Site. The direct contact pathway is considered a potentially complete exposure pathway because Site soils contain elevated concentrations of ICs and on-site industrial workers (particularly construction workers) under current and future conditions are potential receptors under this pathway. The seafood consumption and direct contact pathways also are considered potentially complete exposure pathways for sediment under current and future conditions because subsistence and recreational net fishers may come into contact with and/or ingest food that has bioaccumulated ICs from Site surface water and/or sediment. Though future shellfish harvesting (e.g., clamming) in intertidal areas of to the Site may be limited due to the presence of shoreline armoring (e.g., riprap) and Site access restrictions, direct contact through clamming activities is considered a potentially complete exposure pathway for sediment under current conditions. Benthic and aquatic wildlife species can become exposed to ICs in sediment and sediment porewater through multiple exposure routes (direct and indirect) at the Site.

9 REMEDIAL INVESTIGATION CONCLUSIONS

9.1 Data Gaps

This Public Review Draft of the RI Report has been revised in accordance with the changes directed by Ecology. Following discussions with Ecology in January and March 2019, DSI understands that Ecology will require additional investigation (i.e., as a supplemental RI) to (1) determine the extent and potential ecological effects of TBT in sediments adjacent to DSI, and (2) identify the source of elevated arsenic concentrations in Site groundwater before the RI can be finalized.

With the above exceptions, the available Site characterization data are of sufficient quantity and quality to identify the nature and extent of Site-related chemicals in both upland and aquatic areas, including any hazardous substances and associated risks that these may pose to human health and the environment. The data collected as part of this RI, when combined with the supplemental RI work described above, will be sufficient for selection of a remedial alternative in the FS, though additional data may need to be collected during the FS and/or remedial design process in order to refine cleanup areas.

9.2 Recommendations for the Feasibility Study

With consideration of the CSM and integration of Site development plans, the FS will evaluate cleanup action alternatives for the upland and aquatic portions of the Site. The cleanup action alternatives and CULs for the aquatic portion of the Site will need to be consistent with the ROD (EPA 2014) for the LDW. A sediment CUL for TBT will be developed in the FS in accordance with the SMS (WAC 173-204) and in collaboration with Ecology and EPA. An upland cleanup of the Site has been proposed by DSI for completion prior to implementation of an aquatic cleanup action (Anchor QEA 2011c). This RI confirms that by doing so, actions in the aquatic portion of the Site will not be limited or hindered by it. However, implementation of the aquatic cleanup action will need to be coordinated with Ecology and EPA to ensure consistency and compliance with both MTCA and the ROD.

10 REFERENCES

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TABLES

Table 3-1
DSI Historical Shipyard Operations and Potential Source Summary

Historical Shipyard Operations By Area	Historical Shipyard Process Summary	Historical Shipyard Process Equipment	Historical Shipyard Material Handling	Historical Shipyard Material Management	Potential Shipyard Contamination Source	Potential Media Pathway
Northwest Area						
UST	500-gallon leaded gasoline storage	Vehicle and equipment fueling	Leaded gasoline (petroleum)	UST closed in-place in 1986	Yes	Soil, Groundwater
Machine Shop - Inside	Small part fabrication (turning of propeller shafting, pump rebuilding)	Lathes (up to 38 inches), drill presses, milling machines, band saws, presses	Cutting tool coolant, small parts degreasers/solvents	Parts and used degreaser/solvent containers, used degreaser/solvent disposal	Yes	Soil, Groundwater
Machine Shop - Outside	Propeller, shafting, rudder, engine, gearbox removal/reinstallation; alignment of shafting to engines/gearboxes; installation of pumps and other machinery	Hand tools, lifts	Lubricating fluids	Used container disposal, drips/spills	Yes	Soil, Groundwater
Spent grit storage	Storage of spent blasting grit	N/A	Spent blasting grit	Storage, transport/disposal manifest, recycling	Yes	Soil, Groundwater
Rail Spur Area						
Rail spur	Northern Pacific Railway easement	Rail and train parking	N/A	N/A	N/A	N/A
Wood (Joiner) Shop	Vessel interior fabrication	Table saws, planers, drill press, router	Wood stain and varnish	Used container disposal	Yes	Soil, Groundwater
Electric Shop	Electrical system and component repair and testing	Drill presses, hand tools, testing equipment	Wiring, switches, breakers, contact cleaners	Parts and used cleaner container disposal	Yes	Soil, Groundwater
Central Area						
Parking	Employee and visitor parking	N/A	N/A	N/A	N/A	N/A
Office Building	Administrative	N/A	N/A	N/A	N/A	N/A
Stormwater Line	Stormwater collection	Storm drain lines, catch basins	Surface erosion and groundwater infiltration	Filter inserts, yard sweeping, NPDES	Yes	Soil, Groundwater, Sediment
2000 UST Removal Area						
USTs	Four USTs: 1) 3,000-gallon diesel; 2) 1,000-gallon gasoline; 3) 3,000-gallon gasoline; 4) 3,000-gallon gasoline	Vehicle and equipment fueling	Diesel and unleaded gasoline (petroleum)	USTs (4) removed in June 2000 with focused excavation	Yes	Soil, Groundwater
South Property Area						
Spent grit storage	Storage of spent blasting grit	N/A	Spent blasting grit	Containment, storage and manifest transport/disposal, recycling	Yes	Soil, Groundwater, Sediment
Hazardous waste storage	Storage of hazardous waste	N/A	Used oil, used antifreeze, solvents	Containment, transport/disposal manifest, recycling	Yes	Soil, Groundwater
Paint storage	Storage of paint	N/A	Paint	Used container disposal	Yes	Soil, Groundwater
Paint Shop (booth)	Small parts painting	Paint sprayer or rolls/brushes	Paint, solvents (for thinning)	Air filter, curtain containment system	Yes	Soil, Groundwater
Waste oil storage	Storage of used oil	N/A	Used oil (petroleum)	Containment, transport/disposal manifest	Yes	Soil, Groundwater
Solvent sill	Storage of solvent (for paint thinning)	Paint mixing, touch up wiping	Solvents	Containment	Yes	Soil, Groundwater
Former Shipyard Nearshore Area						
Side Tracking Ways	Small boats work: hull repair and painting	Wooden hull repair and painting	Paint, solvents, used oil	Unknown	Yes	Soil, Groundwater, Sediment
Cranes/Winch	Vessel and equipment handling	Crane and winch	Motor and lubricating oil	Used oil containment and transport/disposal manifest	Yes	Soil, Groundwater, Sediment
Steel Shop	Cutting of plates and materials for installation and fabrication	Welding and joining equipment (oxygen/acetylene torches)	Scrap materials	Reuse and recycling	N/A	N/A

Table 3-1
DSI Historical Shipyard Operations and Potential Source Summary

Historical Shipyard Operations By Area	Historical Shipyard Process Summary	Historical Shipyard Process Equipment	Historical Shipyard Material Handling	Historical Shipyard Material Management	Potential Shipyard Contamination Source	Potential Media Pathway
Pipe Shop	Pipe fabrication and assembly	Manufacture and assembly of piping systems: saw cutting, bending pipe, pipe welding	Scrap materials	Reuse and recycling	N/A	N/A
Wastewater Treatment System	Treatment of wastewater collected in dry docks	Collection sump and flocculation pretreatment	Process wastewater from dry dock operations	Holding tanks and treatment prior to METRO discharge	Yes	Surface Water, Sediment
Sand blast handling	Sand blast grit use and disposal handling	Storage and various transport handling	Blasting grit and spent blasting grit, blasted paint	Containment, yard sweeping	Yes	Soil, Groundwater, Sediment
Backfilling	Bulkhead and nearshore development	Various	Backfill-soil, broken concrete, scrap steel, rock/riprap	Backfill materials	Yes	Soil, Groundwater, Sediment
Parcel D Nearshore Area						
Storage yard	Miscellaneous storage	N/A	N/A	N/A	N/A	N/A
Sandblast shed (booth)	Small parts shore side blasting	Blasting equipment, booth	Blasting grit and spent blasting grit, blasted paint	Containment, storage and manifest transport/disposal, recycling	Yes	Soil, Groundwater, Sediment
Aquatic Area						
Marine Railway	Vessel docking-small boat transport to side tracking ways (1940s and 1950s), Small boat work	Railway, pilings, crane and winch operations, small boat work	Vessel storage, stormwater outfall (005) at bulkhead	Vessel hull paint, stormwater discharge, small boat works	Yes	Surface Water, Sediment
Dry Dock No. 1	Haul-out activities: blasting, painting, repairs, installations	Pressure wash/blasting equipment, painting, various assembly/installation	Mill scale, rust, paint, pressure wash/blasting liquid/material, bilge water, blasting grit	Pressure wash/blasting containment, wastewater treatment	Yes	Surface Water, Sediment
Dry Dock No. 2	Haul-out activities: blasting, painting, repairs, installations	Pressure wash/blasting equipment, painting, various assembly/installation	Mill scale, rust, paint, pressure wash/blasting liquid/material, bilge water, blasting grit	Pressure wash/blasting containment, wastewater treatment	Yes	Surface Water, Sediment
Grit hopper	Grit storage and handling	Hopper	Blasting grit	Containment	Yes	Surface Water, Sediment
Paint mixing sheds (2)	Paint mixing	Paint mixing equipment	Paint	Spill containment	Yes	Surface Water, Sediment
Stormwater Outfall (005)	Stormwater management	Storm drain lines	Surface erosion and groundwater infiltration	Stormwater centrifugal /separator system, NPDES permit/monitoring	Yes	Surface Water, Sediment
Graving Dock	Haul-out activities: blasting, painting, repairs, installations	Pressure wash/blasting equipment, painting, various assembly/installation	Mill scale, rust, paint, pressure wash/blasting liquid/material, bilge water, blasting grit	Pressure wash/blasting containment, wastewater treatment	Yes	Surface Water, Sediment

Notes:
DSI = Duwamish Shipyard, Inc.
NPDES = National Pollutant Discharge Elimination System
UST = underground storage tank

Table 3-2
Historical Dredging Summary

Permit Date	Date	Permit Volume (cy)	Actual Volume (cy)	Target Elevation (MLLW)	Disposal	Other Permit Activities
8/23/1967	Unknown	2,000	Unknown	-30	Open Water-Elliot Bay (Fourmile Rock)	Assumed dredging occurred to facilitate arrival/use of dry docks
8/18/1981	10-11/1981	12,000 (total)	4,075	-25	Open Water-Elliot Bay (Fourmile Rock)	Addition to wharf (dry dock areas)
	1/1982		5,710			
8/19/1981 (initial)	10-11/1981	25,000	17,014	-25	Open Water-Elliot Bay (Fourmile Rock)	Addition of wharf and riprap slope (southeast area of property)
11/11/1981 (revised)						

Notes:

1 Actual dredging date and volume not available for 1967 dredging event.

2 Two dredging events occurred in 1981:

- 1981(a): Dry dock areas. Dredging occurred in two events (late 1981 and early 1982).
- 1981(b): SE property area. Initial permit revised to include modification of dolphin locations.

cy = cubic yards

MLLW = mean lower low water

Table 5-1
2006 and 2009 Upland Property Investigation Sample Coordinates and Intervals

Station ID	Soil/Catch Basin Sample ID	Sample Interval (feet)		Groundwater Sample ID	Screened Sample Interval (feet)		Northing (feet)	Easting (feet)	Ground Surface Elevation (feet MLLW)	Soil		Groundwater/Stormwater/Seeps
										Chemistry	Physical	Chemistry
DSI01	DSI01-SO-A	0	3	DSI01-GW	0	10	204362.38	1267483.65	15.85	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TPH, VOCs
	DSI01-SO-B	4	6	--	--	--				Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--
DSI02	DSI02-SO-A	0	3	DSI02-GW	--	--	204484.72	1267482.28	16.55	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TPH, VOCs
	DSI02-SO-B	3	5	--	--	--				Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--
DSI03	DSI03-SO-A	0	3	DSI03-GW	0	10	204614.54	1267538.20	16.56	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TPH, VOCs
	DSI03-SO-B	5	6.5	--	--	--				Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--
DSI04	DSI04-SO-A	0	3	DSI04-GW	0	10	204577.53	1267677.30	14.95	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TPH, VOCs
	DSI04-SO-B	3	5	--	--	--				Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--
DSI05	DSI05-SO-A	0	3	DSI05-GW	0	10	204414.79	1267664.49	15.38	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TPH, VOCs
	DSI05-SO-B	3	5	--	--	--				Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--
DSI06	DSI06-SO-A	0	3	DSI06-GW	0	10	204403.48	1267832.57	15.38	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TPH, VOCs
	DSI06-SO-B	4	6	--	--	--				Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--
DSI07	DSI07-SO-A	0	3	DSI07-GW	0	10	204440.17	1267843.29	15.30	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TPH, VOCs
	DSI07-SO-B	3	5	--	--	--				Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--
DSI08	DSI08-SO-A	0	3	DSI08-GW	0	10	204599.08	1267815.08	15.08	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TPH, VOCs
	DSI08-SO-B	3	5	--	--	--				Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--
DSI09	DSI09-SO-A	0	3	DSI09-GW	0	10	204599.10	1267972.09	15.10	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TPH, VOCs
	DSI09-SO-B	3	5	--	--	--				Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--
DSI10	DSI10-SO-A	0	3	DSI10-GW	0	10	204456.02	1267928.63	14.96	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TPH, VOCs
	DSI10-SO-B	3	5	--	--	--				Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--
DSI11	DSI11-SO-A	0	3	DSI11-GW	0	10	204358.81	1267970.43	14.74	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TPH, VOCs
	DSI11-SO-B	3	5	--	--	--				Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--
DSI12	DSI12-SO-A	0	3	DSI12-GW	0	10	204269.04	1267970.42	14.38	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TPH, VOCs
	DSI12-SO-B	3	5	--	--	--				Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--
DSI22	DSI22-CB-060929	0	1.5	--	--	--	204481.19	1268018.19	--	Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--
DSI-GP-01	DSI-GP-01-2.5-4.5	2.5	4.5	DSI-GP-01-GW	6.5	6.5	204366.80	1267444.94	15.63	Arsenic	--	Dissolved Arsenic, PAHs, SVOCs
	DSI-GP-01-5.5-7.5	5.5	7.5	--	--	--				Arsenic	--	--

Table 5-1
2006 and 2009 Upland Property Investigation Sample Coordinates and Intervals

Station ID	Soil/Catch Basin Sample ID	Sample Interval (feet)		Groundwater Sample ID	Screened Sample Interval (feet)		Northing (feet)	Easting (feet)	Ground Surface Elevation (feet MLLW)	Soil		Groundwater/Stormwater/Seeps
										Chemistry	Physical	Chemistry
DSI-GP-02	DSI-GP-02-2.5-5.5	2.5	5.5	DSI-GP-02-GW	6.5	6.5	204352.94	1267499.15	15.14	Arsenic	--	Dissolved Arsenic, PAHs, SVOCs
	DSI-GP-02-5.5-7.5	5.5	7.5	--	--	--				Arsenic	--	--
DSI-GP-03	DSI-GP-03-1.5-4	1.5	4	DSI-GP-03-GW	7.0	7.0	204444.55	1267485.17	16	Arsenic	--	Dissolved Arsenic, PAHs, SVOCs
	DSI-GP-03-5.5-8	5.5	8	--	--	--				Arsenic	--	--
DSI-GP-04	DSI-GP-04-2.5-4.5	2.5	4.5	DSI-GP-04-GW	6.5	6.5	204594.78	1267562.47	15.74	EPH, n-Alkanes and Isoprenoids, TPH, VOCs, VPH	--	TPH
	DSI-GP-04-5.5-7.5	5.5	7.5	--	--	--				EPH, n-Alkanes and Isoprenoids, TPH, VOCs, VPH	--	--
DSI-GP-05	DSI-GP-05-2-4.5	2	4.5	DSI-GP-05-GW	7.5	7.5	204589.62	1267499.84	16.54	TPH	--	TPH
	DSI-GP-05-5.5-8	5.5	8	--	--	--				TPH	--	--
DSI-GP-06	DSI-GP-06-3-5	3	5	DSI-GP-06-GW	7.5	7.5	204506.76	1267588.58	15.72	TPH	GS, MC	PAHs, SVOCs, TPH, VOCs
	DSI-GP-06-5.5-8	5.5	8	--	--	--				TPH	GS, MC	--
DSI-GP-07	DSI-GP-07-1.5-4	1.5	4	DSI-GP-07-GW	7.5	7.5	204563.53	1267662.08	15.00	TPH	--	PAHs, SVOCs, TPH, VOCs
	DSI-GP-07-5.5-8	5.5	8	--	--	--				TPH	--	--
DSI-GP-08	DSI-GP-08-2-4.5	2	4.5	DSI-GP-08-GW	7.0	7.0	204436.11	1267860.11	15.00	TPH	--	PAHs, SVOCs, TPH, VOCs
	DSI-GP-08-5.5-7.5	5.5	7.5	--	--	--				TPH	--	--
DSI-GP-09	DSI-GP-09-2-4.5	2	4.5	DSI-GP-09-GW	7.5	7.5	204409.65	1267877.01	15.00	TPH	--	PAHs, SVOCs, TPH, VOCs
	DSI-GP-09-6-8	6	8	--	--	--				EPH, n-Alkanes and Isoprenoids, TPH, VOCs, VPH	--	--
	DSI-GP-09-9-10	9	10							TPH	--	--
DSI-GP-10	DSI-GP-10-2-4	2	4	DSI-GP-10-GW	7.0	7.0	204451.34	1267792.87	15.00	BTEX, TPH	--	PAHs, SVOCs, TPH, VOCs
	DSI-GP-10-5.5-7.5	5.5	7.5							BTEX, TPH	--	--
DSI-GP-11	DSI-GP-11-1-3.5	1	3.5	DSI-GP-11-GW	8.0	8.0	204484.40	1267873.09	15.00	BTEX, TPH	--	PAHs, SVOCs, TPH, VOCs
	DSI-GP-11-5-7.5	5	7.5	--	--	--				BTEX, TPH	--	--
DSI-GP-12	DSI-GP-12-1-3.5	1	3.5	--	--	--	204597.25	1267998.94	14.44	Metals, PAHs, SVOCs, TPH	--	--
	DSI-GP-12-5-10	5	10	--	--	--				Metals, PAHs, SVOCs, TPH	--	--
DSI-GP-13	DSI-GP-13-1-3.5	1	3.5	--	--	--	204516.84	1267988.72	14.55	Metals, PAHs, SVOCs, TPH	GS, MC	--
	DSI-GP-13-5-7.3	5	7.3	--	--	--				Metals, PAHs, SVOCs, TPH	--	--
DSI-GP-14	DSI-GP-14-2.5-4.5	2.5	4.5	--	--	--	204444.88	1267995.40	14.22	Metals, PAHs, SVOCs, TPH	--	--
	DSI-GP-14-5-7	5	7	--	--	--				Metals, PAHs, SVOCs, TPH	--	--
	DSI-GP-14-8-10	8	10	--	--	--				TPH-G	--	--
DSI-GP-15	DSI-GP-15-1.5-4	1.5	4	--	--	--	204385.91	1267993.21	14.23	Metals, PAHs, SVOCs, TPH	--	--
	DSI-GP-15-6-8	6	8	--	--	--				Metals, PAHs, SVOCs, TPH	--	--
	DSI-GP-15-8-10	8	10	--	--	--				TPH-G	--	--
DSI-GP-16	DSI-GP-16-2.1-4.5	2.1	4.5	--	--	--	204368.45	1268022.76	14.81	Metals, PAHs, SVOCs, TPH	--	--
	DSI-GP-16-7.5-10	7.5	10	--	--	--				Metals, PAHs, SVOCs, TPH	--	--
DSI-GP-17	DSI-GP-17-1.5-4	1.5	4	--	--	--	204304.04	1267974.89	14.4	Metals, PAHs, SVOCs, TPH	GS, MC	--
	DSI-GP-17-5-7.5	5	7.5	--	--	--				Metals, PAHs, SVOCs, TPH	GS, MC	--
DSI-GP-19	DSI-GP-19-3-5	3	5	DSI-GP-19-GW	7.5	7.5	204346.90	1267668.90	15.98	Metals, PAHs, SVOCs, TPH	--	Dissolved Arsenic, PAHs, SVOCs, TPH, VOCs
	DSI-GP-19-5.5-8	5.5	8	--	--	--				Metals, PAHs, SVOCs, TPH	--	--
DSI-GP-20	DSI-GP-20-3-5	3	5	DSI-GP-20-GW	7.5	7.5	204370.10	1267785.57	15.5	Metals, PAHs, SVOCs, TPH	--	Dissolved Arsenic, PAHs, SVOCs, TPH, VOCs
	DSI-GP-20-5.5-8	5.5	8	--	--	--				Metals, PAHs, SVOCs, TPH	--	--
DSI-GP-21	DSI-GP-21-2-4.5	2	4.5	DSI-GP-21-GW	7.5	7.5	204378.83	1267891.80	15.06	Metals, PAHs, SVOCs, TPH	--	Dissolved Arsenic, PAHs, SVOCs, TPH, VOCs
	DSI-GP-21-5.5-8	5.5	8	--	--	--				Metals, PAHs, SVOCs, TPH	--	--
DSI-MW-01	DSI-MW-01-0.5-2.0	0.5	2	DSI-MW-01-072209	9.5	9.5	204376.69	1267511.08	15.83	Arsenic	GS, MC	Conventional Parameters, Dissolved Metals, PAHs, SVOCs, VOCs
	DSI-MW-01-5-6.5	5	6.5	--	--	--				Arsenic	GS, MC	--
DSI-MW-02	DSI-MW-02-0-3	0	3	DSI-MW-02-072209	10.0	10.0	204619.49	1267537.85	16.59	TPH	GS, MC	Conventional Parameters, Dissolved Metals, PAHs, SVOCs, VOCs
	DSI-MW-02-5.5-7	5.5	7	--	--	--				TPH	GS, MC	--
DSI-MW-03	DSI-MW-03-0-3	0	3	DSI-MW-03-072909	35.0	35.0	204467.03	1267731.36	15.26	TPH	GS, MC	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, VOCs
	DSI-MW-03-5-6.5	5	6.5	--	--	--				TPH	--	--

Table 5-1
2006 and 2009 Upland Property Investigation Sample Coordinates and Intervals

Station ID	Soil/Catch Basin Sample ID	Sample Interval (feet)		Groundwater Sample ID	Screened Sample Interval (feet)		Northing (feet)	Easting (feet)	Ground Surface Elevation (feet MLLW)	Soil		Groundwater/Stormwater/Seeps
										Chemistry	Physical	Chemistry
DSI-MW-04	DSI-MW-04-0.5-2.5	0.5	2.5	DSI-MW-04-072309	9.6	9.6	204416.16	1267894.98	15.41	TPH	GS, MC	Conventional Parameters, Dissolved Metals, PAHs, SVOCs, VOCs
	DSI-MW-04-5-6.5	5	6.5	--	--	--				TPH	GS, MC	--
DSI-MW-05	DSI-MW-05-0.5-3.0	0.5	3	DSI-MW-05-072909	10.5	10.5	204575.21	1267969.75	15.12	Metals, PAHs, SVOCs, TPH	--	Conventional Parameters, Dissolved Metals, PAHs, SVOCs, VOCs
	DSI-MW-05-5-8	5	8	--	--	--				Metals, PAHs, SVOCs, TPH	--	--
DSI-MW-06	DSI-MW-06-0.5-3.5	0.5	3.5	DSI-MW-06-072909	11.0	11.0	204456.31	1267953.29	14.75	Metals, PAHs, SVOCs, TPH	GS, MC	Conventional Parameters, Dissolved Metals, PAHs, SVOCs, VOCs
	DSI-MW-06-5-8	5	8	--	--	--				Metals, PAHs, SVOCs, TPH	GS, MC	--
DSI-MW-07	--	--	--	DSI-MW-07-072409	35.0	35.0	204463.39	1267953.32	14.75	--	--	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, VOCs
	--	--	--	--	--	--				--	--	--
DSI-MW-08	DSI-MW-08-0.5-2	0.5	2	DSI-MW-08-072809	11.0	11.0	204366.34	1267967.62	14.85	Metals, PAHs, SVOCs, TPH	--	Conventional Parameters, Dissolved Metals, PAHs, SVOCs, VOCs
	DSI-MW-08-5-8	5	8	--	--	--				Metals, PAHs, SVOCs, TPH	--	--
DSI-MW-09	--	--	--	DSI-MW-09-072809	11.0	11.0	204267.4	1267963.77	14.52	--	--	Conventional Parameters, Dissolved Metals, PAHs, SVOCs, VOCs
DSI-MW-10	DSI-MW-10-0.5-3.5	0.5	3.5	DSI-MW-10-072809	35.0	35.0	204275.46	1267964.6	14.48	Metals, PAHs, SVOCs, TPH	--	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, VOCs
	DSI-MW-10-5-8	5	8	--	--	--				Metals, PAHs, SVOCs, TPH	--	--
MW-4	--	--	--	MW4-GW-060929	5	17	204675.26	1267474.81	20.09	--	--	Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TPH, VOCs
MW-5	--	--	--	MW5-GW-060929	11	16	204585.26	1267494.81	16.49	--	--	Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TPH, VOCs

Table 5-1
2006 and 2009 Upland Property Investigation Sample Coordinates and Intervals

Notes:
Horizontal datum is Washington State Plane North, U.S. Survey feet.
Vertical datum is Mean Lower Low Water (MLLW)
BTEX = benzene, toluene, ethylbenzene, and xylenes
Conventional Parameters = Alkalinity, Ammonia, Chloride, Nitrate, Sulfate, Sulfide. Not all samples were analyzed for the full suite of conventional parameters.
EPH = extractable petroleum hydrocarbons
GS = grain size
MC = moisture content
Metals = 13 priority pollutant metals [antimony (Sb), arsenic (As), beryllium (Be), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), zinc (Zn)]. Not all samples were analyzed for the full suite of metals.
MLLW = mean lower low water
PAHs = polycyclic aromatic hydrocarbons
PCBs = polychlorinated biphenyls
SVOCs = semivolatile organic compounds
TBT = tributyltin
TOC = total organic carbon
TPH = total petroleum hydrocarbons
TPH-G = gasoline range petroleum hydrocarbons
TS = total solids
VOCs = volatile organic compounds
VPH = volatile petroleum hydrocarbons

Table 5-2
2013-2015 Uplands Investigation Sample Coordinates and Intervals

Station ID	Soil/Catch Basin Sample ID	Sample Interval (feet bgs)		Groundwater Sample ID	Screened Sample Interval (feet bgs)		Northing (feet)	Easting (feet)	Ground Surface Elevation (feet MLLW)	Soil		Groundwater/Stormwater/Seeps	
										Chemistry	Physical	Chemistry	Field Parameters
DSI-MW-02	--	--	--	DSI-MW-02-010714	5.1	15.0	204619.49	1267537.85	16.59	--	--	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
				DSI-MW-02-041814								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-02-070714								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-02-012915								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSI-MW-04	--	--	--	DSI-MW-04-011014	4.6	14.2	204416.16	1267894.98	15.41	--	--	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
				DSI-MW-04-041514								Conventional Parameters, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-04-070914								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-04-012915								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSI-MW-05	--	--	--	DSI-MW-05-010814	5.5	15.2	204575.21	1267969.75	15.12	--	--	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
				DSI-MW-05-041514								Conventional Parameters, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-05-071014								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-05-012815								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSI-MW-06	--	--	--	DSI-MW-06-010714	5.4	15.1	204456.31	1267953.29	14.75	--	--	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
				DSI-MW-06-041414								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-06-070814								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-06-012915								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSI-MW-07	--	--	--	DSI-MW-07-010614	30.4	40	204463.39	1267953.32	14.75	--	--	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
				DSI-MW-07-041514								Conventional Parameters, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-07-070814								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-07-012915								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSI-MW-08	--	--	--	DSI-MW-08-010914	5.4	15.1	204366.34	1267967.62	14.85	--	--	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
				DSI-MW-08-041714								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-08-070814								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-08-012915								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS

Table 5-2
2013-2015 Uplands Investigation Sample Coordinates and Intervals

Station ID	Soil/Catch Basin Sample ID	Sample Interval (feet bgs)		Groundwater Sample ID	Screened Sample Interval (feet bgs)		Northing (feet)	Easting (feet)	Ground Surface Elevation (feet MLLW)	Soil		Groundwater/Stormwater/Seeps	
										Chemistry	Physical	Chemistry	Field Parameters
DSI-MW-09	--	--	--	DSI-MW-09-010914	5.5	15.3	204267.40	1267963.77	14.52	--	--	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
				DSI-MW-09-041414								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-09-070914								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-09-012915								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSI-MW-10	--	--	--	DSI-MW-10-010914	30.9	40.7	204275.46	1267964.60	14.48	--	--	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
				DSI-MW-10-041614								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-10-071114								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-MW-10-012915								Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-01	DSIP2-01-2.5-4.5	2.5	4.5	--	--	--	204573.92	1267569.74	14.65	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--	--
	DSIP2-01-5-7	5	7							Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-01-7-9	7	9							Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-01-9.5-11.5	9.5	11.5							Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
DSIP2-02	DSIP2-02-2-4	2	4	DSIP2-02-MW-010714	5.7	15.7	204456.85	1267562.38	15.98	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
	DSIP2-02-5-7	5	7	DSIP2-02-MW-041614						Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	TDS, TSS
	DSIP2-02-8-10	8	10	DSIP2-02-MW-070914						Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	TDS, TSS
	DSIP2-02-11-13	11	13	DSIP2-02-MW-012815						Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	TDS, TSS
DSIP2-03	DSIP2-03-2-4	2	4	--	--	--	204356.99	1267719.57	17.33	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--	--
	DSIP2-03-5-7	5	7							Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-03-7.5-9.5	7.5	9.5							Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-03-10.5-12.5	10.5	12.5							Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
DSIP2-04	DSIP2-04-2-4	2	4	--	--	--	204362.24	1267759.22	16.13	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--	--
	DSIP2-04-5.5-7	5.5	7							Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-04-8-9.5	8	9.5							Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-04-11-12.5	11	12.5							Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		

Table 5-2
2013-2015 Uplands Investigation Sample Coordinates and Intervals

Station ID	Soil/Catch Basin Sample ID	Sample Interval (feet bgs)		Groundwater Sample ID	Screened Sample Interval (feet bgs)		Northing (feet)	Easting (feet)	Ground Surface Elevation (feet MLLW)	Soil		Groundwater/Stormwater/Seeps	
										Chemistry	Physical	Chemistry	Field Parameters
DSIP2-05	DSIP2-05-1.5-3.5	1.5	3.5	--	--	--	204370.83	1267858.93	15.72	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--	--
	DSIP2-05-4-6	4	6							Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-05-8-10	8	10							Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-05-11-13	11	13							Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
DSIP2-06	DSIP2-06-2-4	2	4	DSIP2-06-MW-010814	5.0	15.0	204456.60	1267821.70	15.23	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
	DSIP2-06-4-6	4	6	DSIP2-06-MW-041414						Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-06-6-8	6	8	DSIP2-06-MW-070814						Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-06-8.5-10	8.5	10	DSIP2-06-MW-012815						Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-07	DSIP2-07-1-3	1	3	--	--	--	204592.61	1267896.21	15.67	Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--	--
	DSIP2-07-3-5	3	5							Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-07-5-7	5	7							Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-07-8-10	8	10							Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
DSIP2-08	DSIP2-08-1-3	1	3	DSIP2-08-MW-010814	18.0	28.0	204592.40	1267991.80	14.95	Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
	DSIP2-08-3.5-5.5	3.5	5.5	DSIP2-08-MW-041614						Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-08-6-8	6	8	DSIP2-08-MW-071014						Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-08-8.5-10.5	8.5	10.5	DSIP2-08-MW-012815						Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-09	DSIP2-09-2-4	2	4	--	--	--	204347.85	1268002.99	14.68	Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--	--
	DSIP2-09-4.5-6.5	4.5	6.5							Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-09-7-9	7	9							Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
DSIP2-10	DSIP2-10-1-3	1	3	--	--	--	204286.98	1267966.58	14.03	Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--	--
	DSIP2-10-3.5-5.5	3.5	5.5							Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-10-6-8	6	8							Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		

Table 5-2
2013-2015 Uplands Investigation Sample Coordinates and Intervals

Station ID	Soil/Catch Basin Sample ID	Sample Interval (feet bgs)		Groundwater Sample ID	Screened Sample Interval (feet bgs)		Northing (feet)	Easting (feet)	Ground Surface Elevation (feet MLLW)	Soil		Groundwater/Stormwater/Seeps	
										Chemistry	Physical	Chemistry	Field Parameters
DSIP2-11	DSIP2-11-1.5-3	1.5	3	--	--	--	204368.73	1267128.73	16.12	Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	--	--
	DSIP2-11-3.5-5	3.5	5							Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS		
	DSIP2-11-5.5-7	5.5	7							Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS		
	DSIP2-11-9-11	9	11							Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS		
DSIP2-12	DSIP2-12-2.5-4.5	2.5	4.5	--	--	--	204371.54	1267281.17	15.83	Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--	--
	DSIP2-12-5-7	5	7							Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-12-8-10	8	10							Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-12-11-13	11	13							Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
DSIP2-13	DSIP2-13-2-3.5	2	3.5	DSIP2-13-MW-010614	5.3	15.3	204365.45	1267446.25	15.86	Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
	DSIP2-13-3.5-5	3.5	5	DSIP2-13-MW-041514						Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	TDS, TSS
	DSIP2-13-6-8	6	8	DSIP2-13-MW-070814						Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	TDS, TSS
	DSIP2-13-9-11	9	11	DSIP2-13-MW-012815						Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	TDS, TSS
DSIP2-14	DSIP2-14-1-3	1	3	--	--	--	204378.75	1267473.67	16.03	Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	--	--
	DSIP2-14-3-5	3	5							Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS		
	DSIP2-14-6-8	6	8							Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS		
	DSIP2-14-9-11	9	11							Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS		
DSIP2-15	DSIP2-15-2-4	2	4	DSIP2-15-MW-010614	19.1	29.1	204385.33	1267509.17	15.67	Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
	DSIP2-15-4-6	4	6	DSIP2-15-MW-041514						Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	TDS, TSS
	DSIP2-15-6-8	6	8	DSIP2-15-MW-070914						Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	TDS, TSS
	DSIP2-15-9-11	9	11	DSIP2-15-MW-012815						Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	TDS, TSS
DSIP2-16	DSIP2-16-2-4	2	4	DSIP2-16-MW-010614	5.2	15.2	204360.20	1267562.84	15.64	Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
	DSIP2-16-5-7	5	7	DSIP2-16-MW-041514						Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-16-8-10	8	10	DSIP2-16-MW-070814						Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-16-11-13	11	13	DSIP2-16-MW-013015						Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS

Table 5-2
2013-2015 Uplands Investigation Sample Coordinates and Intervals

Station ID	Soil/Catch Basin Sample ID	Sample Interval (feet bgs)		Groundwater Sample ID	Screened Sample Interval (feet bgs)		Northing (feet)	Easting (feet)	Ground Surface Elevation (feet MLLW)	Soil		Groundwater/Stormwater/Seeps	
										Chemistry	Physical	Chemistry	Field Parameters
DSIP2-17	DSIP2-17-2-4	2	4	DSIP2-17-MW-010714	5.2	15.2	204502.28	1267480.85	16.50	Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
	DSIP2-17-5-7	5	7	DSIP2-17-MW-041714						Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-17-7-9	7	9	DSIP2-17-MW-070714						Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-17-10-12	10	12	DSIP2-17-MW-012915						Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-18	DSIP2-18-0.5-2.5	0.5	2.5	--	--	--	204558.51	1267490.47	16.57	Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	--	--
	DSIP2-18-3-5	3	5							Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS		
	DSIP2-18-7-9	7	9							Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS		
	DSIP2-18-10.5-12.5	10.5	12.5							Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS		
DSIP2-19	DSIP2-19-1.3-3.5	1.3	3.5	DSIP2-19-MW-010714	4.8	14.8	204622.78	1267489.96	17.51	Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
	DSIP2-19-5-7	5	7	DSIP2-19-MW-041414						Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-19-7.5-9	7.5	9	DSIP2-19-MW-070714						Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-19-10-12	10	12	DSIP2-19-MW-012915						Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-20	DSIP2-20-2.5-4.5	2.5	4.5	DSIP2-17-MW-010714	5.0	15.0	204585.93	1267608.74	15.19	Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
	DSIP2-20-5-7	5	7	DSIP2-17-MW-041614						Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-20-7.5-9.5	7.5	9.5	DSIP2-17-MW-070714						Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-20-11-13	11	13	DSIP2-17-MW-012915						Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-21	DSIP2-21-2-4	2	4	--	--	--	204478.29	1267645.48	14.80	Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	--	--
	DSIP2-21-5-7	5	7							Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS		
	DSIP2-21-7-9	7	9							Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS		
	DSIP2-21-10-12	10	12							Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS		
DSIP2-22	DSIP2-22-2-4	2	4	--	--	--	204629.75	1267750.33	16.58	Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	--	--
	DSIP2-22-4-6	4	6							Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS		
	DSIP2-22-7-9	7	9							Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS		
	DSIP2-22-10-12	10	12							Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS		

Table 5-2
2013-2015 Uplands Investigation Sample Coordinates and Intervals

Station ID	Soil/Catch Basin Sample ID	Sample Interval (feet bgs)		Groundwater Sample ID	Screened Sample Interval (feet bgs)		Northing (feet)	Easting (feet)	Ground Surface Elevation (feet MLLW)	Soil		Groundwater/Stormwater/Seeps	
										Chemistry	Physical	Chemistry	Field Parameters
DSIP2-23	DSIP2-23-1.5-3	1.5	3	DSIP2-23-MW-010814	5.0	15.0	204601.37	1267680.39	13.99	Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
	DSIP2-23-5-7	5	7	DSIP2-23-MW-041614						Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	TDS, TSS
	DSIP2-23-7.5-9.5	7.5	9.5	DSIP2-23-MW-070714						Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	TDS, TSS
	DSIP2-23-10.5-12.5	10.5	12.5	DSIP2-23-MW-012915						Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	TDS, TSS
DSIP2-24	DSIP2-24-1-3	1	3	--	--	--	204566.47	1267794.30	14.03	Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--	--
	DSIP2-24-3.5-5.5	3.5	5.5							Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-24-6-8	6	8							Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-24-8.5-10	8.5	10							Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
DSIP2-25	DSIP2-25-2-4	2	4	DSIP2-25-MW-010814	5.0	15.0	204565.36	1267844.52	15.02	Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
	DSIP2-25-4-6	4	6	DSIP2-25-MW-041714						Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-25-6-8	6	8	DSIP2-25-MW-071014						Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-25-9-11	9	11	DSIP2-25-MW-012815						Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-26	DSIP2-26-1-3	1	3	--	--	--	204539.02	1267925.30	15.66	Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--	--
	DSIP2-26-3-5	3	5							Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-26-5-7	5	7							Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-26-8.5-10	8.5	10							Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
DSIP2-27	DSIP2-27-1.5-3.5	1.5	3.5	DSIP2-27-MW-010614	5.4	15.4	204380.32	1267800.30	15.55	Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
	DSIP2-27-5-7	5	7	DSIP2-27-MW-041714						Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-27-8-10	8	10	DSIP2-27-MW-071014						Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-27-11-13	11	13	DSIP2-27-MW-012815						Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-28	DSIP2-28-1-3	1	3	DSIP2-28-MW-010914	17.5	27.5	204392.42	1267985.36	14.12	Cr VI, D/F, Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
	DSIP2-28-3-5	3	5	DSIP2-28-MW-041714						Cr VI, D/F, Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-28-5-6	5	6	DSIP2-28-MW-070914						Cr VI, D/F, Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-28-7-9	7	9	DSIP2-28-MW-012915						Cr VI, D/F, Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS

Table 5-2
2013-2015 Uplands Investigation Sample Coordinates and Intervals

Station ID	Soil/Catch Basin Sample ID	Sample Interval (feet bgs)		Groundwater Sample ID	Screened Sample Interval (feet bgs)		Northing (feet)	Easting (feet)	Ground Surface Elevation (feet MLLW)	Soil		Groundwater/Stormwater/Seeps	
										Chemistry	Physical	Chemistry	Field Parameters
DSIP2-29	DSIP2-29-1-3	1	3	DSIP2-29-MW-010614	4.0	14.7	204223.52	1267967.58	15.46	Cr VI, D/F, Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
	DSIP2-29-5-7	5	7	DSIP2-29-MW-041614						Cr VI, D/F, Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	DSIP2-29-8-10	8	10	DSIP2-29-MW-071114						Cr VI, D/F, Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
	--	--	--	DSIP2-29-MW-012815						--	--	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-30	DSIP2-30-1.5-3.5	1.5	3.5	--	--	--	204585.73	1267741.83	14.88	Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--	--
	DSIP2-30-4-6	4	6							Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-30-6-8	6	8							Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-30-9-11	9	11							Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
DSIP2-31	DSIP2-31-2-4	2	4	--	--	--	204503.36	1267814.19	15.08	Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--	--
	DSIP2-31-4-6	4	6							Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-31-6-8	6	8							Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
	DSIP2-31-8.5-10	8.5	10							Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
DSIP2-CB-01	DSI-CB-01-10182013	0	10 cm	--	--	-	204461.37	1267954.43	--	Cr VI, D/F, GS, Metals, PCB Aroclors and Congeners, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--	--
DSIP2-SP-01	--	--	--	DSIP2-SP-01-072213	--	--	204592.17	1268019.71	--	--	--	Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-SP-02	--	--	--	DSIP2-SP-02-072213	--	--	204545.54	1268017.92	--	--	--	Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-SP-03	--	--	--	DSIP2-SP-03-072213	--	--	204445.78	1268058.01	--	--	--	D/F, Total and Dissolved Metals, PCBs, PAHs, SVOCs, TBT	--
DSIP2-ST-04	DSIP2-ST-04-5.5-7	5.5	7	--	--	--	204353.91	1267830.37	16.60	Cr VI, Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--	--
	DSIP2-ST-04-5-7	5	7							Cr VI, Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS		
DSIP2-STW-01	--	--	--	DSIP2-STW-01-121213	--	--	204461.45	1267950.56	--	--	--	Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCB Aroclors and Congeners, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSIP2-STW-01-031414								Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCB Aroclors and Congeners, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSIP2-STW-01-040814								Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCB Aroclors and Congeners, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSIP2-STW-01-041614								Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCB Aroclors and Congeners, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-UST-03	DSIP2-UST-03-3.5-5.5	3.5	5.5				204590.12	1267578.26	15.09	Cr VI, Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS	--	--

Table 5-2
2013-2015 Uplands Investigation Sample Coordinates and Intervals

Station ID	Soil/Catch Basin Sample ID	Sample Interval (feet bgs)		Groundwater Sample ID	Screened Sample Interval (feet bgs)		Northing (feet)	Easting (feet)	Ground Surface Elevation (feet MLLW)	Soil		Groundwater/Stormwater/Seeps	
										Chemistry	Physical	Chemistry	Field Parameters
DSI-PZ-01	--	--	--	DSI-PZ-01-010814	5.0	14.7	204468.59	1267724.47	15.29	--	--	Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
				DSI-PZ-01-041414								Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-PZ-01-070714								Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
				DSI-PZ-01-013015								Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS

Table 5-2
2013-2015 Uplands Investigation Sample Coordinates and Intervals

Notes:
Horizontal datum is Washington State Plane North, U.S. Survey feet.
Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).
bgs = below ground surface
Conventional Parameters = Alkalinity, Ammonia, Chloride, Nitrate, Sulfate, Sulfide
D/F = dioxin/furans
DO= dissolved oxygen
GS = grain size
Metals = 13 priority pollutant metals [antimony (Sb), arsenic (As), beryllium (Be), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), zinc (Zn)], and Barium [Ba]
ORP = reduction oxidation potential
PAHs = polycyclic aromatic hydrocarbons
PCBs = polychlorinated biphenyls
SVOCs = semivolatile organic compounds
TBT = tributyltin
TDS = total dissolved solids
TOC = total organic carbon
TPH = total petroleum hydrocarbons
TS = total solids
TSS = total suspended solids
VOCs = volatile organic compounds

Table 5-3
2011 Sediment Investigation Sample Coordinates and Intervals

Station ID	Actual Coordinates		Water Depth	Mudline Elevation	Sediment Sample ID	Sample Interval		Sediment	
	Easting (X)	Northing (Y)						Chemistry	Physical
DSI-SS-01	1268047.45	204251.47	19.1	-14.9	DSI-SS-01	0	10 cm	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSI-SS-02	1268218.05	204112.83	39.3	-33.2	DSI-SS-02	0	10 cm	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSI-SS-03	1268169.28	204300.64	28.1	-20.3	DSI-SS-03	0	10 cm	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSI-SS-04	1268145.51	204406.67	29.7	-21.9	DSI-SS-04	0	10 cm	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSI-SS-05	1268079.88	204648.08	26.1	-21.5	DSI-SS-05	0	10 cm	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSI-SS-06	1268018.54	204759.28	26.4	-20.2	DSI-SS-06	0	10 cm	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSI-SS-07	1267971.92	204896.58	30.8	-21.6	DSI-SS-07	0	10 cm	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSI-SS-08	1268289.08	204317.51	36.1	-32.8	DSI-SS-08	0	10 cm	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSI-SS-09	1268219.38	204563.01	37.9	-35.3	DSI-SS-09	0	10 cm	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSI-SS-10	1268127.37	204817.34	37.7	-34.7	DSI-SS-10	0	10 cm	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, TS, TOC, MC
DSI-SS-11	1268039.92	205062.40	40.7	-35.5	DSI-SS-11	0	10 cm	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSI-SB-01	1268042.69	204252.05	20.4	-13.3	DSI-SB-01-1-2	1	2	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-01-2-3.1	2	3.1	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-01-3.1-4	3.1	4	Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-01-5-6	5	6	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-01-6-7	6	7	TBT	TOC, TS
DSI-SB-02	1268229.02	204122.16	44.8	-33.9	DSI-SB-02-1-2.3	1	2.3	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, TOC, TS
					DSI-SB-02-3.7-5.2	3.7	5.2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-02-5.2-7	5.2	7	Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-02-8.5-10	8.5	10	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, TOC, TS
DSI-SB-03	1268175.77	204299.54	26.6	-21.3	DSI-SB-03-1-2	1	2	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, TOC, TS
					DSI-SB-03-5.8-7	5.8	7	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-03-9.5-10.4	9.5	10.4	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-03-10.4-11.1	10.4	11.1	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-03-11.1-11.6	11.1	11.6	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
DSI-SB-04	1268149.82	204408.41	29.2	-22.2	DSI-SB-04-1-2	1	2	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS, TVS
					DSI-SB-04-4-5	4	5	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS, TVS
					DSI-SB-04-7-8.3	7	8.3	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS, TVS
					DSI-SB-04-8.3-9.3	8.3	9.3	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	GS, TOC, TS
					DSI-SB-04-9.3-10.9	9.3	10.9	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
DSI-SB-05	1268087.01	204645.93	24.9	-20.7	DSI-SB-05-1-2	1	2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-05-3-4	3	4	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	GS, TOC, TS
					DSI-SB-05-6-7	6	7	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-05-8-9.3	8	9.3	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-05-9.3-11	9.3	11	D/F, Metals, PAHs, PCBs, SVOCs, TBT, VOCs	GS, TOC, TS
DSI-SB-06	1268024.88	204754.84	25.1	-19.2	DSI-SB-06-1-2	1	2	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-06-5-6.5	6	6.5	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-06-9.6-11	9.6	11	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS

Table 5-3
2011 Sediment Investigation Sample Coordinates and Intervals

Station ID	Actual Coordinates		Water Depth	Mudline Elevation	Sediment Sample ID	Sample Interval		Sediment	
	Easting (X)	Northing (Y)						Chemistry	Physical
DSI-SB-07	1267979.73	204866.57	25.2	-20.3	DSI-SB-07-1-2	1	2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-07-3.5-4.5	3.5	4.5	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-07-6.5-7.5	6.5	7.5	D/F, Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-07-10.5-11.9	10.5	11.9	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS, TVS
					DSI-SB-07-11.9-12.3	11.9	12.3	D/F, Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
DSI-SB-08	1268253.10	204225.31	40.5	-31.0	DSI-SB-08-1-2	1	2	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-08-4-5	4	5	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-08-7-8.7	7	8.7	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-08-12-13.3	12	13.3	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
DSI-SB-09	1268195.47	204416.39	31.5	-27.0	DSI-SB-09-1-2	1	2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-09-4.5-5.5	4.5	5.5	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-09-8.5-10	8.5	10	D/F, Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-09-11-12.1	11	12.1	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-09-12.1-12.6	12.1	12.6	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
DSI-SB-10	1268117.63	204532.11	24.7	-22.2	DSI-SB-10-1-2	1	2	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-10-5.5-7	5.5	7	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-10-8.5-10	8.5	10	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-10-10-11	10	11	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
DSI-SB-11	1268162.52	204544.00	30.8	-27.6	DSI-SB-11-1-2	1	2	Cr VI, Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-11-3.5-5	3.5	5	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-11-8-8.9	8	8.9	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-11-10-11	10	11	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
DSI-SB-12	1268029.86	204649.54	6.2	-3.7	DSI-SB-12-1-2	1	2	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-12-3-4.3	3	4.3	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-12-4.3-5.8	4.3	5.8	Metals, PCBs	TOC, TS
					DSI-SB-12-5.8-7.1	5.8	7.1	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-12-8-9	8	9	--	GS
DSI-SB-13	1267934.22	204726.82	13.6	-6.1	DSI-SB-13-1-2	1	2	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-13-3-4.1	3	4.1	Cr VI, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-13-4.1-5	4.1	5	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-13-5-6	5	6	PCBs	TOC, TS
DSI-SB-14	1268049.28	204899.26	38.0	-28.2	DSI-SB-14-4-5	4	5	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-14-9-10.5	9	10.5	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
DSI-SB-15	1268295.15	204244.97	42.7	-33.2	DSI-SB-15-4-5	4	5	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-15-11.5-12.5	11.5	12.5	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
DSI-SB-16	1268239.62	204430.36	41.7	-31.7	DSI-SB-16-5-6.5	5	6.5	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-16-9.2-10.7	9.2	10.7	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
DSI-SB-17	1268158.30	204671.17	42.5	-32.7	DSI-SB-17-5-6	5	6	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS
					DSI-SB-17-9.4-10.7	9.4	10.7	Metals, PAHs, PCBs, SVOCs, TBT, VOCs	TOC, TS

Table 5-3
2011 Sediment Investigation Sample Coordinates and Intervals

Notes:
Horizontal Datum is North American Datum of 1983 High Accuracy Reference Network State Plane Washington South, U.S. Survey feet.
Vertical datum is mean lower low water mudline determined from continuous surface water level measurements from river transducer.
Water depth presented is at the time of sample collection and measured by lead line. Water levels in the Duwamish River are tidally and seasonally influenced.

cm = centimeters
D/F = dioxin/furan
GS = grain size
MC = moisture content
Metals = 13 priority pollutant metals [antimony (Sb), arsenic (As), beryllium (Be), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb),
PAHs = polycyclic aromatic hydrocarbons
PCBs = polychlorinated biphenyls
SVOCs = semivolatile organic compounds
TBT = tributyltin
TOC = total organic carbon
TS = total solids
VOCs = volatile organic compounds
VPH = volatile petroleum hydrocarbons

Table 5-4
2013 Sediment Investigation Sample Coordinates and Intervals

Station ID	Sediment Sample ID	Sample Interval (feet)		Northing (feet)	Easting (feet)	Mudline Elevation (feet MLLW)	Sediment	
							Chemistry	Physical
DSIMR-SB-01	DSIMR-SB-01-0-2	0	2	204393.09	1268066.22	14.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIMR-SB-02	DSIMR-SB-02-0-2	0	2	204421.57	1268066.94	14.7	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIMR-SB-03	DSIMR-SB-03-0-1.8	0	1.8	204454.65	1268069.67	13.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIMR-SB-05	DSIMR-SB-05-0-2	0	2	204601.34	1268029.81	13.4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIMR-SS-01	DSIMR-SS-01	0	10 cm	204393.09	1268066.22	14.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIMR-SS-02	DSIMR-SS-02	0	10 cm	204421.57	1268066.94	14.7	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIMR-SS-03	DSIMR-SS-03	0	10 cm	204454.65	1268069.67	13.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIMR-SS-04	DSIMR-SS-04	0	10 cm	204557.81	1268030.81	15.3	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIMR-SS-05	DSIMR-SS-05	0	10 cm	204601.34	1268029.81	13.4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SB-01	DSIP2-SB-01b-0-2	0	2	204095.62	1268348.79	-32.4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-01b-2-4	2	4				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-01b-4-6	4	6				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-01b-6.5-8.5	6.5	8.5				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-01b-10-11	10	11				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SB-02	DSIP2-SB-02-0-2	0	2	204254.08	1268373.50	-35.8	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-02-2-4	2	4				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-02-4-6	4	6				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-02-6.7-8.7	6.7	8.7				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-02-9.5-11.3	9.5	11.3				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SB-03	DSIP2-SB-03-0-2	0	2	204333.70	1268353.78	-35	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-03-2-4	2	4				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-03-4-6	4	6				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-03-6-8	6	8				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-03-9.5-11.5	9.5	11.5				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SB-04	DSIP2-SB-04-0-2	0	2	204461.82	1268312.94	-35.6	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-04-2-4	2	4				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-04-5-7	5	7				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-04-7.5-9.5	7.5	9.5				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-04-9.5-11.5	9.5	11.5				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SB-05	DSIP2-SB-05-0-2	0	2	204583.57	1268262.71	-35.85	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-05-2-4	2	4				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-05-4-6	4	6				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-05-6.7-8.7	6.7	8.7				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-05-10-12	10	12				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SB-06	DSIP2-SB-06-0-2	0	2	204716.63	1268218.43	-35.9	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-06-2-4	2	4				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-06-5-7	5	7				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-06-8-10	8	10				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS

Table 5-4
2013 Sediment Investigation Sample Coordinates and Intervals

Station ID	Sediment Sample ID	Sample Interval (feet)		Northing (feet)	Easting (feet)	Mudline Elevation (feet MLLW)	Sediment	
							Chemistry	Physical
DSIP2-SB-07	DSIP2-SB-07-0-2	0	2	204828.25	1268157.39	-35.3	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-07-2-4	2	4				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-07-4.5-6.5	4.5	6.5				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-07-7-9	7	9				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-07-9-11	9	11				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SB-08	DSIP2-SB-08-0-2	0	2	204932.41	1268132.63	-35.9	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-08-2.5-4.5	2.5	4.5				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-08-4.5-6.5	4.5	6.5				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-08-6.5-8.5	6.5	8.5				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-08-8.5-10.4	8.5	10.4				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SB-09	DSIP2-SB-09-0-2	0	2	205002.51	1268064.60	-34	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-09-2-4	2	4				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-09-4-6	4	6				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-09-6-8	6	8				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-09-8.3-10.3	8.3	10.3				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SB-10	DSIP2-SB-10-0.5-2.5	0.5	2.5	205120.11	1268039.90	-36.4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-10-2.5-4.5	2.5	4.5				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-10-6-8	6	8				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-10-9-11	9	11				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-10-11.3-12.9	11.3	12.9				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SB-11	DSIP2-SB-11-0-2	0	2	205009.33	1267949.10	-21.7	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-11-2-4	2	4				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-11-4-6	4	6				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-11-6.3-8.3	6.3	8.3				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-11-10-12	10	12				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SB-12	DSIP2-SB-12-0-2	0	2	204804.91	1268085.51	-30.4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-12-2-4	2	4				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-12-4.5-6.5	4.5	6.5				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-12-6.5-8.5	6.5	8.5				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-12-8.5-10.3	8.5	10.3				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SB-14	DSIP2-SB-14-0.3-2.3	0.3	2.3	204304.40	1268107.89	-17.2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-14-2.3-4.3	2.3	4.3				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-14-5-7.5	5	7.5				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
	DSIP2-SB-14-8-10	8	10				Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SS-01	DSIP2-SS-01-0-10	0	10 cm	204088.52	1268348.20	-31.9	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SS-02	DSIP2-SS-02-0-10	0	10 cm	204254.04	1268378.77	-36.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SS-03	DSIP2-SS-03-0-10	0	10 cm	204330.89	1268354.38	-38	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SS-04	DSIP2-SS-04-0-10	0	10 cm	204455.57	1268312.28	-37.9	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SS-05	DSIP2-SS-05-0-10	0	10 cm	204586.39	1268267.50	-35.7	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SS-06	DSIP2-SS-06-0-10	0	10 cm	204713.69	1268219.24	-36.4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS

Table 5-4
2013 Sediment Investigation Sample Coordinates and Intervals

Station ID	Sediment Sample ID	Sample Interval (feet)		Northing (feet)	Easting (feet)	Mudline Elevation (feet MLLW)	Sediment	
							Chemistry	Physical
DSIP2-SS-07	DSIP2-SS-07-0-10	0	10 cm	204828.18	1268163.93	-37	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SS-08	DSIP2-SS-08-0-10	0	10 cm	204930.87	1268133.42	-35.7	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SS-09	DSIP2-SS-09-0-10	0	10 cm	205005.25	1268061.44	-33.3	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SS-10	DSIP2-SS-10-0-10	0	10 cm	205118.19	1268035.46	-34.7	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SS-11	DSIP2-SS-11-0-10	0	10 cm	205014.02	1267989.00	-30.4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SS-12	DSIP2-SS-12-0-10	0	10 cm	204799.56	1268085.53	-28.3	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS
DSIP2-SS-14	DSIP2-SS-14-0-10	0	10 cm	204301.38	1268107.09	-17.8	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs	GS, MC, TOC, TS, TVS

Table 5-4
2013 Sediment Investigation Sample Coordinates and Intervals

Notes:
Horizontal datum is Washington State Plane North, U.S. Survey feet.
Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).
Water depth presented is at the time of sample collection and measured by lead line. Water levels in the Duwamish River are tidally
cm = centimeter
D/F = dioxin/furans
GS = grain size
Metals = 13 priority pollutant metals [antimony (Sb), arsenic (As), beryllium (Be), cadmium (Cd), chromium
MC = moisture content
PAHs = polycyclic aromatic hydrocarbons
PCBs = polychlorinated biphenyls
SVOCs = semivolatile organic compounds
TBT = tributyltin
TOC = total organic carbon
TS = total solids
TVS = total volatile solids
VOCs = volatile organic compounds

Table 6-1
Groundwater Screening Levels

Analyte (by Group)	Applicable Groundwater Criteria: Marine Surface Water Criteria: Surface Water ARAR – Aquatic Life - Marine Chronic – Ch. 173-201A WAC *(ma-ch-wac)*	Surface Water ARAR – Aquatic Life – Marine Chronic – Clean Water Act §304 *(ma-cwa)*	Surface Water ARAR – Aquatic Life – Marine Chronic – National Toxics Rule, 40 CFR 131 *(ma-ntr)*	Surface Water ARAR – Human Health, Consumption of Organisms Only – Marine – Ch. 173-201A WAC *(hh-wac)*	Surface Water ARAR – Human Health, Consumption of Organisms Only – Marine – Clean Water Act §304 *(hh-cwa)*	Surface Water ARAR – Human Health, Consumption of Organisms Only – Marine – National Toxics Rule, 40 CFR 131.36 *(hh-ntr)*	Surface Water, Method B, Human Health, Fish Consumption, Standard Formula Value – Ch. 173-340-730(3) WAC[a] *(mB)*	Surface Water, Method B, Most Restrictive, Adjusted for Fish Consumption Rate (for 10^{-5} risk) – Ch. 173-340-730(3) WAC[a] *(mBadj)*	Comparison of Surface Water, Method B, Most Restrictive, Adjusted for Fish Consumption Rate vs. Other Surface Water ARARs[a]	Protection of Marine Sediment in the LDW: *Partitioning/Distribution Coefficients*[b]: Koc (Soil Organic Carbon-Water Partitioning Coefficient) (L/kg)	Kd (Distribution Coefficient) – Sediment to Water Pathway (L/kg)	*Marine Sediment Quality Standards*[c]: Site-Specific Sediment SL (mg/kg organic carbon)	Site-Specific Sediment SL (mg/kg dry weight) [See Table 6-3]	Calculated Porewater Concentration Protective of LDW Sediment[d] *(sed)*	Method A, Groundwater (Table 720-1) Ch. 173-340-720(3)(b)(i) WAC[e] *(mA)*	Laboratory PQLs for RI Analyses[f] *(pql)*	Most Stringent Groundwater Screening Level[g]	
Total Petroleum Hydrocarbons (µg/L)																			
Gasoline Range Hydrocarbons															800	30	800	*(mA)*
Diesel Range Hydrocarbons															500	100	500	*(mA)*
Motor Oil Range Hydrocarbons															500	200	500	*(mA)*
Total Diesel + Motor Oil Range															500		500	*(mA)*
Metals (µg/L)																			
Antimony				90	640	4300	1037	287	ARAR							0.2	90	*(hh-wac)*
Arsenic	36	36	36	0.14	0.14	0.14	0.098	0.272	ARAR		*29*		*7*	236		0.2	5	*(back)*[h]
Cadmium	9.3	7.9	9.3				41	11	ARAR		*6.7*		*5.1*	698		0.1	7.9	*(ma-cwa)*
Chromium (Total)											*1000*		*260*	260		0.5	260	*(sed)*
Chromium (III)											*1000*		*260*	260		0.5	260	*(sed)*
Chromium (VI)	50	50	50				486	135	ARAR		*19*					0.04	50	*(ma-ch-wac)*
Copper	3.1	3.1	2.4				2880	798	ARAR		*22*		*390*	17254		0.5	2.4	*(ma-ntr)*
Lead	8.1	8.1	8.1						ARAR		*10000*		*450*	45		0.1	8.1	*(ma-ch-wac)*
Mercury	0.025	0.94	0.025			0.15			ARAR		*52*		*0.41*	8		0.1	0.1	*(pql)*
Nickel	8.2	8.2	8.2	100	4600	4600	1103	306	ARAR		*65*					0.5	8.2	*(ma-ch-wac)*
Selenium	71	71	71	200	4200		2701	748	ARAR		*5*					0.5	71	*(ma-ch-wac)*
Silver							25926	7179	ARAR		*8.3*		*6.1*	685		0.2	1.9	*(ma-ac-wac)*
Zinc	81	81	81	1000	26000		16548	4583	ARAR		*62*		*410*	6549		4	81	*(ma-ch-wac)*
Volatile Organic Compounds (µg/L)																			
1,1,1,2-Tetrachloroethane																0.2		
1,1,1-Trichloroethane				50000	200000		925926	256410	ARAR	*135*	*2.6*					0.2	50000	*(hh-wac)*
1,1,2 - Trichlorotrifluoroethane																0.2		
1,1,2,2-Tetrachloroethane				0.3	3	11	6.5	17.9	ARAR	*79*	*1.5*					0.02	0.3	*(hh-wac)*
1,1,2-Trichloroethane				0.9	8.9	42	25	70.0	ARAR	*75*	*1.4*					0.2	0.9	*(hh-wac)*
1,1-Dichloroethane										*53*	*1.0*					0.2		
1,1-Dichloroethene				4000	20000	3.2	23148	6410	ARAR	*65*	*1.2*					0.02	3.2	*(hh-ntr)*
1,1-Dichloropropene																0.2		
1,2,3-Trichlorobenzene																0.5		
1,2,3-Trichloropropane																0.5		
1,2,4-Trichlorobenzene				0.037	0.076		2.0	0.56	ARAR	*1659*	*31.5*		*0.015*	0.48		0.5	0.50	*(pql)*
1,2,4-Trimethylbenzene																0.2		
1,2-Dibromo-3-chloropropane																0.5		
1,2-Dibromoethane (EDB)										*66*	*1.3*					0.2		
1,2-Dichlorobenzene				800	3000	17000	4167	1154	ARAR	*379*	*7.2*		*0.044*	5.6		0.2	5.6	*(sed)*
1,2-Dichloroethane (EDC)				73	650	99	59	164	ARAR	*38*	*0.7*					0.2	59	*(mB)*
1,2-Dichloropropane				3.1	31		44	12	ARAR	*47*	*0.9*					0.2	3.1	*(hh-wac)*
1,3,5-Trimethylbenzene																0.2		
1,3-Dichlorobenzene				2	10	2600			ARAR							0.2	2	*(hh-wac)*
1,3-Dichloropropane																0.2		
1,4-Dichloro-trans-2-Butene																1		
1,4-Dichlorobenzene				200	900	2600	21	5.935	5.935	*616*	*11.7*		*0.059*	4.8		0.2	4.8	*(sed)*
2,2-Dichloropropane																0.2		
2-Butanone																5		

Table 6-1
Groundwater Screening Levels

Analyte (by Group)	Applicable Groundwater Criteria: Marine Surface Water Criteria: Surface Water ARAR – Aquatic Life - Marine Chronic – Ch. 173-201A WAC (ma-ch-wac)	Surface Water ARAR – Aquatic Life – Marine Chronic – Clean Water Act §304 (ma-cwa)	Surface Water ARAR – Aquatic Life – Marine Chronic – National Toxics Rule, 40 CFR 131 (ma-ntr)	Surface Water ARAR – Human Health, Consumption of Organisms Only – Marine – Ch. 173-201A WAC (hh-wac)	Surface Water ARAR – Human Health, Consumption of Organisms Only – Marine – Clean Water Act §304 (hh-cwa)	Surface Water ARAR – Human Health, Consumption of Organisms Only – Marine – National Toxics Rule, 40 CFR 131.36 (hh-ntr)	Surface Water, Method B, Human Health, Fish Consumption, Standard Formula Value – Ch. 173-340-730(3) WAC[a] (mB)	Surface Water, Method B, Most Restrictive, Adjusted for Fish Consumption Rate (for 10^{-5} risk) – Ch. 173-340-730(3) WAC[a] (mBadj)	Comparison of Surface Water, Method B, Most Restrictive, Adjusted for Fish Consumption Rate vs. Other Surface Water ARARs[a]	Protection of Marine Sediment in the LDW: Partitioning/Distribution Coefficients[b]: Koc (Soil Organic Carbon-Water Partitioning Coefficient) (L/kg)	Kd (Distribution Coefficient) – Sediment to Water Pathway (L/kg)	Marine Sediment Quality Standards[c]: Site-Specific Sediment SL (mg/kg organic carbon)	Site-Specific Sediment SL (mg/kg dry weight) [See Table 6-3]	Calculated Porewater Concentration Protective of LDW Sediment[d] (sed)	Method A, Groundwater (Table 720-1) Ch. 173-340-720(3)(b)(i) WAC[e] (mA)	Laboratory PQLs for RI Analyses[f] (pql)	Most Stringent Groundwater Screening Level[g]	
2-Chloroethyl Vinyl Ether																1		
2-Chlorotoluene																0.2		
2-Hexanone																5		
4-Chlorotoluene																0.2		
4-Methyl-2-pentanone																5		
Acetone										*0.575*						5		
Acrolein				1.1	400	780			ARAR							5	5	*(pql)*
Acrylonitrile				0.028	7	0.66	0.40	1.11	ARAR							0.05	0.05	*(pql)*
Benzene				1.6	58	71	23	62.8	ARAR	*62*	*1.2*					0.02	1.6	*(hh-wac)*
Bromobenzene																0.2		
Bromochloromethane																0.2		
Bromodichloromethane				2.8	27	22	28	76.2	ARAR	*55*	*1.0*					0.2	2.8	*(hh-wac)*
Bromoethane																0.2		
Bromoform				12	120	360	216	598	ARAR	*126*	*2.4*					0.2	12	*(hh-wac)*
Bromomethane				2400	10000	4000	955	265	265	*9*	*0.2*					1	265	*(mBadj)*
Carbon disulfide										*45.7*	*0.9*					0.2		
Carbon tetrachloride				0.35	5	4.4	4.9	13.5	ARAR	*152*	*2.9*					0.2	0.35	*(hh-wac)*
Chlorobenzene				200	800	21000	5185	1436	ARAR	*224*	*4.3*					0.2	200	*(hh-wac)*
Chloroethane																0.2		
Chloroform					2000	470	55	15	15	*53*	*1.0*					0.2	15	*(mBadj)*
Chloromethane										*6*	*0.1*					0.5		
cis-1,2-Dichloroethene (DCE)										*35.5*	*0.7*					0.02		
cis-1,3-Dichloropropene																0.2		
Dibromochloromethane				2.2	21	34	20	56.2	ARAR	*63.1*	*1.2*					0.2	2.2	*(hh-wac)*
Dibromomethane																0.2		
Dichlorodifluoromethane																0.2		
Ethylbenzene				31	130	29000	6823	1889	ARAR	*204*	*3.9*					0.2	31	*(hh-wac)*
Hexachlorobutadiene				0.01		50	30	82.2	ARAR	*53700*	*1020.3*		*0.074*	0.07		0.5	0.5	*(pql)*
Isopropylbenzene																0.2		
m,p-Xylenes																0.4		
Methylene chloride				100	1000	1600	3601	9972	ARAR	*10*	*0.2*					1	100	*(hh-wac)*
Methyl iodide																1		
n-Butylbenzene																0.2		
n-Propylbenzene																0.2		
o-Xylene										*241*	*4.6*					0.2		
p-Isopropyltoluene																0.2		
sec-Butylbenzene																0.2		
Styrene										*912*	*17.3*					0.2		
tert-Butylbenzene																0.2		
Tetrachloroethene (PCE)				2.9	29	8.85	100	276	ARAR	*265*	*5.0*					0.02	2.9	*(hh-wac)*
Toluene				130	520	200000	18855	5221	ARAR	*140*	*2.7*					0.2	130	*(hh-wac)*
trans-1,2-Dichloroethene				1000	4000		32407	9000	ARAR	*38*	*0.7*					0.02	1000	*(hh-wac)*
trans-1,3-Dichloropropene																0.2		
Trichloroethene (TCE)				0.7	7	81	13	35.5	ARAR	*94*	*1.8*					0.02	0.7	*(hh-wac)*

Table 6-1
Groundwater Screening Levels

Analyte (by Group)	Applicable Groundwater Criteria: Marine Surface Water Criteria: Surface Water ARAR – Aquatic Life - Marine Chronic – Ch. 173-201A WAC (ma-ch-wac)	Surface Water ARAR – Aquatic Life – Marine Chronic – Clean Water Act §304 (ma-cwa)	Surface Water ARAR – Aquatic Life – Marine Chronic – National Toxics Rule, 40 CFR 131 (ma-ntr)	Surface Water ARAR – Human Health, Consumption of Organisms Only – Marine – Ch. 173-201A WAC (hh-wac)	Surface Water ARAR – Human Health, Consumption of Organisms Only – Marine – Clean Water Act §304 (hh-cwa)	Surface Water ARAR – Human Health, Consumption of Organisms Only – Marine – National Toxics Rule, 40 CFR 131.36 (hh-ntr)	Surface Water, Method B, Human Health, Fish Consumption, Standard Formula Value – Ch. 173-340-730(3) WAC[a] (mB)	Surface Water, Method B, Most Restrictive, Adjusted for Fish Consumption Rate (for 10^{-5} risk) – Ch. 173-340-730(3) WAC[a] (mBadj)	Comparison of Surface Water, Method B, Most Restrictive, Adjusted for Fish Consumption Rate vs. Other Surface Water ARARs[a]	Protection of Marine Sediment in the LDW: Partitioning/Distribution Coefficients[b]: Koc (Soil Organic Carbon-Water Partitioning Coefficient) (L/kg)	Kd (Distribution Coefficient) – Sediment to Water Pathway (L/kg)	Marine Sediment Quality Standards[c]: Site-Specific Sediment SL (mg/kg organic carbon)	Site-Specific Sediment SL (mg/kg dry weight) [See Table 6-3]	Calculated Porewater Concentration Protective of LDW Sediment[d] (sed)	Method A, Groundwater (Table 720-1) Ch. 173-340-720(3)(b)(i) WAC[e] (mA)	Laboratory PQLs for RI Analyses[f] (pql)	Most Stringent Groundwater Screening Level[g]	
Trichlorofluoromethane																0.2		
Vinyl acetate										*5.25*	*0.1*					0.2		
Vinyl chloride				0.18	1.6	525			ARAR	*18.6*	*0.4*					0.02	0.18	*(hh-wac)*
Xylenes (total)										*233*	*4.4*							
Naphthalene							4714	1305	1305	*1191*	*22.6*	99	*1.88*	81		0.01	81	*(sed)*
Polycyclic Aromatic Hydrocarbons (µg/L)																		
Acenaphthene				30	90		648	179	ARAR	*4898*	*93.1*		*0.30*	3.2		0.01	3.2	*(sed)*
Acenaphthylene													*1.25*			0.01		
Anthracene				100	400	110000	25926	7179	ARAR	*23493*	*446.4*		*4.18*	9.4		0.01	9.4	*(sed)*
Benzo(g,h,i)perylene													*0.59*			0.01		
Fluoranthene				6	20	370	86	24	ARAR	*49096*	*932.8*		*3.04*	3.3		0.01	3.3	*(sed)*
Fluorene				10	70	14000	3457	957	ARAR	*7707*	*146.4*		*0.44*	3.0		0.01	3.0	*(sed)*
Phenanthrene													*1.9*			0.01		
Pyrene				8	30	11000	2593	718	ARAR	*67992*	*1291.8*		*19*	15		0.01	8	*(hh-wac)*
1-Methylnaphthalene																0.01		
2-Methylnaphthalene													*0.72*			0.01		
Naphthalene							4714	1305	1305	*1191*	*22.6*	99	*1.88*	81		0.01	81	*(sed)*
Total Naphthalenes																		
Benzo(a)anthracene				0.00016	0.0013				ARAR	*357537*	*6793*	110	*2.09*	0.308		0.01	0.01	*(pql)*
Benzo(a)pyrene				0.000016	0.00013	0.0311	0.030	0.0820	ARAR	*968774*	*18407*	99	*1.88*	0.102		0.01	0.01	*(pql)*
Benzo(b)fluoranthene				0.00016	0.0013	0.0311	0.30	0.820	ARAR	*1230000*	*23370*		*4.37*	0.187		0.01	0.01	*(pql)*
Benzo(k)fluoranthene				0.0016	0.013	0.0311	3.0	8.20	ARAR	*1230000*	*23370*		*4.37*	0.187		0.01	0.01	*(pql)*
Chrysene				0.016	0.13	0.0311	30	82.0	ARAR	*398000*	*7562*	110	*2.09*	0.276		0.01	0.016	*(hh-wac)*
Dibenzo(a,h)anthracene				0.000016	0.00013	0.0311	0.030	0.0820	ARAR	*1789101*	*33993*	12	*0.23*	0.007		0.01	0.01	*(pql)*
Indeno(1,2,3-cd)pyrene				0.00016	0.0013	0.0311	0.30	0.820	ARAR	*3470000*	*65930*	34	*0.65*	0.010		0.01	0.01	*(pql)*
Total cPAHs TEQ							0.030	0.0820	0.082	*968774*	*18407*		*0.15*	0.008		0.02	0.02	*(pql)*
Other Semi-Volatile Organics (µg/L)																		
1,2,4-Trichlorobenzene					0.076		2.0	5.63	ARAR	*1659*	*31.5*		*0.015*	0.48		0.5	0.5	*(pql)*
1,2-Dichlorobenzene					3000	17000	4167	1154	1154	*379*	*7.2*		*0.044*	5.60		0.2	5.6	*(sed)*
1,3-Dichlorobenzene				2	10	2600			ARAR							0.2	2	*(hh-wac)*
1,4-Dichlorobenzene						2600	21	5.935	5.935	*616*	*11.7*		*0.059*	4.79		0.2	4.8	*(sed)*
2,4,5-Trichlorophenol					600				ARAR	*1597*	*30.3*					5	600	*(hh-cwa)*
2,4,6-Trichlorophenol				0.28	2.8	6.5	3.9	10.9	ARAR	*381*	*7.2*					3	3	*(pql)*
2,4-Dichlorophenol				10	60	790	190	53	ARAR	*147*	*2.8*					3	10	*(hh-wac)*
2,4-Dimethylphenol				97	3000		552	153	ARAR	*209*	*4.0*		*0.029*	6.34		3	6.3	*(sed)*
2,4-Dinitrophenol				100	300	14000	3457	957	ARAR	*0.01*						20	100	*(hh-wac)*
2-Chloronaphthalene				100	1000		1037	287	ARAR							1	100	*(hh-wac)*
2-Chlorophenol				17	800		100	28	ARAR	*388*	*7.4*					1	17	*(hh-wac)*
2-Methylphenol										*91.2*	*1.7*		*0.063*	27.0		1	27	*(sed)*
2-Nitroaniline																3		
2-Nitrophenol																3		
3,3'-Dichlorobenzidine				0.0033	0.15	0.077	0.046	0.129	ARAR	*724*	*13.8*					5	5	*(pql)*
3-Nitroaniline																3		
4,6-Dinitro-2-methylphenol				7	30				ARAR							10	10	*(pql)*

Table 6-1
Groundwater Screening Levels

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4-Bromophenyl phenyl ether																1		
4-Chloro-3-methylphenol				36	2000				ARAR							3	36	*(hh-wac)*
4-Chloroaniline										*66.1*	*1.3*					5		
4-Chlorophenyl phenyl ether																1		
4-Methylphenol													*0.27*			2		
4-Nitroaniline																3		
4-Nitrophenol																10		
Benzoic acid										*0.6*	*0.01*		*0.65*	1058		20	1058	*(sed)*
Benzyl alcohol													*0.057*			2		
Butyl benzyl phthalate				0.013	0.1		8.3	23.0	ARAR	*13746*	*261.2*	4.9	*0.093*	0.36		1	1	*(pql)*
Bis(2-chloro-1-methylethyl) ether				900	4000		37	10	10								10	*(mBadj)*
Bis(2-chloroethoxy)methane																1		
Bis(2-chloroethyl) ether				0.06	2.2	1.4	0.85	2.36	ARAR	*76*	*1.4*					1	1	*(pql)*
Bis(2-ethylhexyl) phthalate				0.046	0.37	5.9	3.6	9.86	ARAR	*111123*	*2111*	47	*0.89*	0.423		3	3	*(pql)*
Carbazole										*3390*	*64.4*					1		
Dibenzofuran													*0.29*			0.01		
Diethyl phthalate				200	600	120000	28412	7868	ARAR	*82*	*1.6*		*1.16*	536		1	200	*(hh-wac)*
Dimethyl phthalate				600	2000	2900000			ARAR				*1.01*			1	600	*(hh-wac)*
Di-n-butyl phthalate				8	30	12000	2913	807	ARAR	*1567*	*29.8*		*4.18*	138		1	8	*(hh-wac)*
Di-n-octyl phthalate										*83200000*	*1580800*		*1.10*	0.001		1	1	*(pql)*
Hexachlorobenzene				0.000005	0.000079	0.00077	0.00047	0.00129	ARAR	*80000*	*1520*		*0.0072*	0.005		0.1	0.1	*(pql)*
Hexachlorobutadiene					0.01	50	30	82.2	ARAR	*53700*	*1020*		*0.074*	0.073		0.1	0.1	*(pql)*
Hexachlorocyclopentadiene				1	4	17000	3618	1002	ARAR	*200000*	*3800*					5	5	*(pql)*
Hexachloroethane				0.02	0.1	8.9	1.9	5.2	ARAR	*1780*	*33.8*					2	2	*(pql)*
Isophorone				110	1800	600	1551	4294	ARAR	*46.8*	*0.89*					1	110	*(hh-wac)*
Nitrobenzene				100	600	1900	1788	495	ARAR	*119*	*2.26*					1	100	*(hh-wac)*
N-Nitroso-di-n-propylamine				0.058	0.51		0.84	0.23	ARAR	*24*	*0.46*					1	1	*(pql)*
N-Nitrosodiphenylamine				0.69	6	16	9.4	2.6	ARAR	*1290*	*24.5*		*0.21*	8.3		1	1	*(pql)*
Pentachlorophenol	7.9	7.9	7.9	0.002	0.04	8.2	1.5	4.08	ARAR	*592*	*11.2*		*0.36*	30.4		10	10	*(pql)*
Phenol				70000	300000	4600000	555556	153846	ARAR	*28.8*	*0.55*		*0.42*	365		1	365	*(sed)*
2,4-Dinitrotoluene				0.18	1.7	9.1	5.5	2	ARAR	*95.5*	*1.81*					3	3	*(pql)*
2,6-Dinitrotoluene										*69.2*	*1.31*					3		
Polychlorinated Biphenyls (µg/L)																		
Aroclor 1016			0.03				0.0030	0.00827	0.00827	*107300*	*2039*					0.01	0.01	*(pql)*
Aroclor 1221																0.01		
Aroclor 1232																0.01		
Aroclor 1242																0.01		
Aroclor 1248																0.01		
Aroclor 1254			0.03				0.00010	0.00029	0.00029							0.01	0.01	*(pql)*
Aroclor 1260			0.03						ARAR	*822400*	*15626*					0.01	0.03	*(ma-ntr)*
Aroclor 1262																0		
Aroclor 1268																0		
Total PCBs	0.03	0.03	0.03	0.000007	0.000064	0.00017	0.00010	0.00029	ARAR	*309000*	*5871*		*0.0020*	0.00034		0.025	0.025	*(pql)*

Table 6-1
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Tributyltin (µg/L)																		
Tributyltin		0.0074							ARAR				*0.073*			0.193	0.193	*(pql)*
Dioxins/Furans (µg/L)																		
2,3,7,8-TCDD				1.40E-08	5.10E-09	1.40E-08	9.97E-09	2.76E-08	ARAR	*249100*	*4733*		*2.0E-06*	4.23E-07		1.00E-05	0.00001	*(pql)*
1,2,3,7,8-PeCDD																5.00E-05		
1,2,3,4,7,8-HxCDD																5.00E-05		
1,2,3,6,7,8-HxCDD																5.00E-05		
1,2,3,7,8,9-HxCDD																5.00E-05		
1,2,3,4,6,7,8-HpCDD																5.00E-05		
OCDD																1.00E-04		
2,3,7,8-TCDF																1.00E-05		
1,2,3,7,8-PeCDF																5.00E-05		
2,3,4,7,8-PeCDF																5.00E-05		
1,2,3,4,7,8-HxCDF																5.00E-05		
1,2,3,6,7,8-HxCDF																5.00E-05		
1,2,3,7,8,9-HxCDF																5.00E-05		
2,3,4,6,7,8-HxCDF																5.00E-05		
1,2,3,4,6,7,8-HpCDF																5.00E-05		
1,2,3,4,7,8,9-HpCDF																5.00E-05		
OCDF																1.00E-04		
Total Dioxins/Furans (TEQ)						1.40E-08	9.97E-09	2.76E-08	ARAR	*249100*	*4733*		*2.0E-06*	4.23E-07		1.00E-05	0.00001	*(pql)*
Pesticides (µg/L)																		
Aldrin	0.0019			0.000000041	7.70E-07	1.40E-04	8.1E-05	2.25E-04	ARAR	*48685*	*925*					0.05	0.05	*(pql)*
alpha-BHC				4.80E-05	0.00039	0.013	0.0079	0.02192	ARAR	*1762*	*33.5*					0.05	0.05	*(pql)*
beta-BHC				0.0014	0.014	0.046	0.028	0.07670	ARAR	*2139*	*40.6*					0.05	0.05	*(pql)*
gamma-BHC (Lindane)				0.43	4.4	0.063	0.045	0.12552	ARAR	*1352*	*25.7*					0.05	0.05	*(pql)*
Chlordane	0.004	0.004	0.004	2.20E-05	3.20E-04	5.90E-04	1.32E-03	3.66E-03	ARAR	*51310*	*975*					0.5	0.5	*(pql)*
4,4'-DDT	0.001	0.001	0.001	1.20E-06	3.00E-05	5.90E-04	3.53E-04	9.78E-04	ARAR	*677934*	*12881*					0.1	0.1	*(pql)*
4,4'-DDE	0.001			8.80E-07	1.80E-05	5.90E-04	3.53E-04	9.78E-04	ARAR	*86405*	*1642*					0.1	0.1	*(pql)*
4,4'-DDD	0.001			7.90E-06	1.20E-04	8.40E-04	5.00E-04	1.38E-03	ARAR	*45800*	*870*					0.1	0.1	*(pql)*
Dieldrin	0.0019	0.0019	0.0019	7.00E-08	1.20E-06	1.40E-04	8.62E-05	2.39E-04	ARAR	*25546*	*485*					0.1	0.1	*(pql)*
alpha-Endosulfan	0.0087	0.0087		7	30				ARAR							0.05	0.05	*(pql)*
beta-Endosulfan	0.0087	0.0087		10	40				ARAR							0.1	0.1	*(pql)*
Endosulfan Sulfate				10	40				ARAR							0.1	10	*(hh-wac)*
Endrin	0.0023	0.0023	0.0023	0.002	0.03	0.81	0.19	0.53846	ARAR	*10811*	*205*					0.1	0.1	*(pql)*
Endrin Aldehyde				0.035	1				ARAR							0.1	0.1	*(pql)*
Heptachlor	0.0036	0.0036	0.0036	3.40E-07	5.90E-06	2.10E-04	1.31E-04	3.63E-04	ARAR	*9528*	*181*					0.05	0.05	*(pql)*
Heptachlor Epoxide		0.0036	0.0036	2.40E-06	3.20E-05	1.10E-04	6.48E-05	1.79E-04	ARAR	*83200*	*1581*					0.05	0.05	*(pql)*
Toxaphene	0.0002	0.0002	0.0002	3.20E-05	7.10E-04	7.50E-04	4.53E-04	1.26E-03	ARAR	*95816*	*1821*					0.05	0.05	*(pql)*

Table 6-1
Groundwater Screening Levels

Notes:

Duwamish Shipyard, Inc. site-specific SLs were developed consistent with the process outlined in Ecology's Groundwater Cleanup Level Memo (Ecology 2016b).

a = In accordance with WAC 173-340-730(3)(b)(iii), if sufficiently protective human-health-based criteria or standards (ARARs) have not been established under applicable state and federal laws, Method B surface water values are developed. Method B values are most restrictive of carcinogenic or non-carcinogenic values from CLARC database, but calculated using a higher seafood consumption rate and fish diet fraction than the MTCA default (a seafood consumption rate of (97.5 g/d) and FDF of (1) from the LDW ROD [EPA 2014]) and adjusted for carcinogenic effects (factor of 10 to meet 10-5 risk, per MTCA Equation 720-2, which is based on 10-6 risk). If the minimum ARAR value is sufficiently protective (at risk = 10-5, HQ=1), the ARAR is the Method B value, as displayed.

b = Values from Ecology's CLARC Database downloaded March 2017.

c = Sediment Cleanup Levels derived from Tables 19 and 20 of the LDW Record of Decision (EPA 2014).

d = Calculated in accordance with Ecology's Groundwater CUL Memo (Ecology 2016; i.e., using modified equation 747-1 in WAC 173-340-747 and LDW-specific input parameters).

e = TPH screening levels for groundwater protective of surface water do not exist; therefore, groundwater cleanup levels based on MTCA Method A are used as the groundwater SLs to be protective of marine surface water and sediment, as derived from Table 720-1 (Human Health), Ch. 173-340-720(3)(b)(i) WAC.

f = From Analytical Resources, Inc. (Tukwila, Washington).

g = Most stringent of values protective of marine surface water and sediment.

h = Based on background concentrations in Washington state (WAC 173-340-900 Table 720-1).

Selected screening levels

µg/L = micrograms per liter

ARAR = Applicable or Relevant and Appropriate Requirement

CFR = Code of Federal Regulations

CLARC = Cleanup Levels and Risk Calculation

cPAH = carcinogenic polycyclic aromatic hydrocarbon

CUL = cleanup level

FDF = fish diet fraction

g/d = gram per day

HQ = hazard quotient

Kd = distribution coefficient

Koc = soil organic carbon-water partitioning coefficient

L/kg = liter per kilogram

LDW = Lower Duwamish Waterway

mg/kg = milligrams per kilogram

MTCA = Model Toxics Control Act

PCB = polychlorinated biphenyl

PQL = practical quantitation limit

RI = Remedial Investigation

ROD = Record of Decision

SL = Screening Level

TEQ = toxic equivalent quotient

TPH = total petroleum hydrocarbon

WAC = Washington Administrative Code

Table 6-2
Soil Screening Levels

Analyte (by Group)	Site Specific Groundwater Screening Level (µg/L) [See Table 6-1]	Applicable Soil Criteria: Groundwater Protection: Constants and Coefficients[a] Koc (Soil Organic Carbon-Water Partitioning Coefficient) (L/kg)	Applicable Soil Criteria: Groundwater Protection: Constants and Coefficients[a] Kd (Distribution Coefficient) (L/kg)	Applicable Soil Criteria: Groundwater Protection: Calculated Values: Saturated Soil, Method B, Concentration Protective of Leachability to Groundwater (mg/kg)[b] (mB)	Applicable Soil Criteria: Sediment Protection: Concentration Protective of LDW Sediment (Site-Specific Sediment SL; mg/kg – dry weight)[c] (sed)	Applicable Soil Criteria: Direct Contact: Soil, Method A, Industrial Land Use, Ch. 173-340-745 WAC, Table 745-1 (mg/kg)[d] (mA)	Applicable Soil Criteria: Natural Background Concentrations (Ecology 1994, 2010) (mg/kg) (back)	Laboratory PQLs for RI Analyses (mg/kg)[e] (pql)	Most Stringent Soil Screening Level (mg/kg)[f]	
Total Petroleum Hydrocarbons										
Gasoline Range Hydrocarbons	800					30		5	30	*(mA)*
Diesel Range Hydrocarbons	500					2000		5	2000	*(mA)*
Motor Oil Range Hydrocarbons	500					2000		10	2000	*(mA)*
Total Diesel + Motor Oil Range	500					2000		10	2000	*(mA)*
Metals										
Antimony	90									
Arsenic	5		*29*	0.15	7		7.3	0.2	7.3	*(back)*
Cadmium	7.9		*6.7*	0.055	5.1		0.77	0.1	0.77	*(back)*
Chromium (Total)	260		*1000*	260	260		48.2	0.5	260	*(mB)*
Chromium III	260		*1000*		260				260	*(sed)*
Chromium (VI)	50		*19*	0.96				0.1	0.96	*(mB)*
Copper	2.4		*22*	0.053	390		36.4	0.5	36.4	*(back)*
Lead	8.1		*10000*	81	450		16.8	0.1	81	*(mB)*
Mercury	0.1		*52*	0.0052	0.41		0.07	0.025	0.07	*(back)*
Nickel	8.2		*65*	0.54			38.2	0.5	38.2	*(back)*
Selenium	71		*5*	0.38				0.5	0.5	*(pql)*
Silver	1.9		*8.3*	0.016	6.1			0.2	0.2	*(pql)*
Zinc	81		*62*	5.0	410		85.1	4	85.1	*(back)*
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane								0.001		
1,1,1-Trichloroethane	50000	*135*	*0.135*	21				0.001	21	*(mB)*
1,1,2 -Trichlorotrifluoroethane								0.002		
1,1,2,2-Tetrachloroethane	0.3	*79*	*0.079*	0.00011				0.001	0.001	*(pql)*
1,1,2-Trichloroethane	0.9	*75*	*0.075*	0.00033				0.001	0.001	*(pql)*
1,1-Dichloroethane		*53*	*0.053*					0.001		
1,1-Dichloroethene	3.2	*65*	*0.065*	0.0011				0.001	0.0011	*(mB)*
1,1-Dichloropropene								0.001		
1,2,3-Trichlorobenzene								0.005		
1,2,3-Trichloropropane								0.002		
1,2,4-Trichlorobenzene	0.5	*1659*	*1.659*	0.00097	0.015			0.005	0.005	*(pql)*
1,2,4-Trimethylbenzene								0.001		
1,2-Dibromo-3-chloropropane								0.005		
1,2-Dibromoethane (EDB)		*66*	*0.066*					0.001		
1,2-Dichlorobenzene	5.6	*379*	*0.379*	0.0037	0.044			0.001	0.0037	*(mB)*

Table 6-2
Soil Screening Levels

Analyte (by Group)	Site Specific Groundwater Screening Level (µg/L) [See Table 6-1]	Applicable Soil Criteria: Groundwater Protection: Constants and Coefficients[a] Koc (Soil Organic Carbon-Water Partitioning Coefficient) (L/kg)	Applicable Soil Criteria: Groundwater Protection: Constants and Coefficients[a] Kd (Distribution Coefficient) (L/kg)	Applicable Soil Criteria: Groundwater Protection: Calculated Values: Saturated Soil, Method B, Concentration Protective of Leachability to Groundwater (mg/kg)[b] (mB)	Applicable Soil Criteria: Sediment Protection: Concentration Protective of LDW Sediment (Site-Specific Sediment SL; mg/kg – dry weight)[c] (sed)	Applicable Soil Criteria: Direct Contact: Soil, Method A, Industrial Land Use, Ch. 173-340-745 WAC, Table 745-1 (mg/kg)[d] (mA)	Applicable Soil Criteria: Natural Background Concentrations (Ecology 1994, 2010) (mg/kg) (back)	Laboratory PQLs for RI Analyses (mg/kg)[e] (pql)	Most Stringent Soil Screening Level (mg/kg)[f]	
1,2-Dichloroethane (EDC)	59.4	*38*	*0.038*	0.019				0.001	0.019	*(mB)*
1,2-Dichloropropane	3.1	*47*	*0.047*	0.001				0.001	0.001	*(mB)*
1,3,5-Trimethylbenzene								0.001		
1,3-Dichlorobenzene	2							0.001		
1,3-Dichloropropane								0.001		
trans-1,4-Dichloro-2-Butene								0.005		
1,4-Dichlorobenzene	4.8	*616*	*0.616*	0.0043	0.059			0.001	0.0043	*(mB)*
2,2-Dichloropropane								0.001		
2-Butanone								0.005		
2-Chloroethyl Vinyl Ether								0.005		
2-Chlorotoluene								0.001		
2-Hexanone								0.005		
4-Chlorotoluene								0.001		
4-Methyl-2-pentanone								0.005		
Acetone		*0.575*	*0.000575*					0.005		
Acrolein	5							0.05		
Acrylonitrile	0.05							0.005		
Benzene	1.6	*62*	*0.062*	0.00056				0.001	0.001	*(pql)*
Bromobenzene								0.001		
Bromochloromethane								0.001		
Bromodichloromethane	2.8	*55*	*0.055*	0.00096				0.001	0.001	*(pql)*
Bromoethane								0.002		
Bromoform	12	*126*	*0.126*	0.005				0.001	0.005	*(mB)*
Bromomethane	265	*9*	*0.009*	0.078				0.001	0.078	*(mB)*
Carbon disulfide		*45.7*	*0.0457*					0.001		
Carbon tetrachloride	0.35	*152*	*0.152*	0.00015				0.001	0.001	*(pql)*
Chlorobenzene	200	*224*	*0.224*	0.1				0.001	0.1	*(mB)*
Chloroethane								0.001		
Chloroform	15.2	*53*	*0.053*	0.0052				0.001	0.0052	*(mB)*
Chloromethane		*6*	*0.006*					0.001		
cis-1,2-Dichloroethene (DCE)		*35.5*	*0.0355*					0.001		
cis-1,3-Dichloropropene								0.001		
Dibromochloromethane	2.2	*63.1*	*0.0631*	0.00077				0.001	0.001	*(pql)*
Dibromomethane								0.001		
Dichlorodifluoromethane								0.001		

Table 6-2
Soil Screening Levels

Analyte (by Group)	Site Specific Groundwater Screening Level (µg/L) [See Table 6-1]	Applicable Soil Criteria: Groundwater Protection: Constants and Coefficients[a]: Koc (Soil Organic Carbon-Water Partitioning Coefficient) (L/kg)	Applicable Soil Criteria: Groundwater Protection: Constants and Coefficients[a]: Kd (Distribution Coefficient) (L/kg)	Applicable Soil Criteria: Groundwater Protection: Calculated Values: Saturated Soil, Method B, Concentration Protective of Leachability to Groundwater (mg/kg)[b] (mB)	Applicable Soil Criteria: Sediment Protection: Concentration Protective of LDW Sediment (Site-Specific Sediment SL; mg/kg – dry weight)[c] (sed)	Applicable Soil Criteria: Direct Contact: Soil, Method A, Industrial Land Use, Ch. 173-340-745 WAC, Table 745-1 (mg/kg)[d] (mA)	Applicable Soil Criteria: Natural Background Concentrations (Ecology 1994, 2010) (mg/kg) (back)	Laboratory PQLs for RI Analyses (mg/kg)[e] (pql)	Most Stringent Soil Screening Level (mg/kg)[f]	
Ethylbenzene	31	*204*	*0.204*	0.015				0.001	0.015	*(mB)*
Hexachlorobutadiene	0.5	*53700*	*53.7*	0.027	0.074			0.005	0.027	*(mB)*
Isopropylbenzene								0.001		
m,p-Xylenes								0.001		
Methylene chloride	100	*10*	*0.01*	0.03				0.002	0.03	*(mB)*
Methyl iodide								0.001		
n-Butylbenzene								0.001		
n-Propylbenzene								0.001		
o-Xylene		*241*	*0.241*					0.001		
p-Isopropyltoluene								0.001		
sec-Butylbenzene								0.001		
Styrene		*912*	*0.912*					0.001		
tert-Butylbenzene								0.001		
Tetrachloroethene (PCE)	2.9	*265*	*0.265*	0.0016				0.001	0.0016	*(mB)*
Toluene	130	*140*	*0.14*	0.055				0.001	0.055	*(mB)*
trans-1,2-Dichloroethene	1000	*38*	*0.038*	0.32				0.001	0.32	*(mB)*
trans-1,3-Dichloropropene								0.001		
Trichloroethene (TCE)	0.7	*94*	*0.094*	0.00027				0.001	0.001	*(pql)*
Trichlorofluoromethane								0.001		
Vinyl acetate		*5.25*	*0.00525*					0.005		
Vinyl chloride	0.18	*18.6*	*0.0186*	0.000055				0.001	0.001	*(pql)*
Xylenes (total)		*233*	*0.233*							
Naphthalene	81.0	*1191*	*1.191*	0.12	1.88			0.005	0.12	*(mB)*
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	3.2	*4898*	*4.898*	0.017	0.30			0.005	0.017	*(mB)*
Acenaphthylene					1.25			0.005	1.25	*(sed)*
Anthracene	9.4	*23493*	*23.493*	0.22	4.18			0.005	0.22	*(mB)*
Benzo(g,h,i)perylene					0.59			0.005	0.59	*(sed)*
Fluoranthene	3.3	*49096*	*49.096*	0.16	3.04			0.005	0.16	*(mB)*
Fluorene	3	*7707*	*7.707*	0.024	0.44			0.005	0.024	*(mB)*
Phenanthrene					1.9			0.005	1.9	*(sed)*
Pyrene	8	*67992*	*67.992*	0.55	19			0.005	0.55	*(mB)*
1-Methylnaphthalene								0.005		
2-Methylnaphthalene					0.72			0.005	0.72	*(sed)*
Naphthalene	81	*1191*	*1.191*	0.12	1.88			0.005	0.12	*(mB)*

Table 6-2
Soil Screening Levels

Analyte (by Group)	Site Specific Groundwater Screening Level (µg/L) [See Table 6-1]	Applicable Soil Criteria: Groundwater Protection: Constants and Coefficients[a]: Koc (Soil Organic Carbon-Water Partitioning Coefficient) (L/kg)	Applicable Soil Criteria: Groundwater Protection: Constants and Coefficients[a]: Kd (Distribution Coefficient) (L/kg)	Applicable Soil Criteria: Groundwater Protection: Calculated Values: Saturated Soil, Method B, Concentration Protective of Leachability to Groundwater (mg/kg)[b] (mB)	Applicable Soil Criteria: Sediment Protection: Concentration Protective of LDW Sediment (Site-Specific Sediment SL; mg/kg – dry weight)[c] (sed)	Applicable Soil Criteria: Direct Contact: Soil, Method A, Industrial Land Use, Ch. 173-340-745 WAC, Table 745-1 (mg/kg)[d] (mA)	Applicable Soil Criteria: Natural Background Concentrations (Ecology 1994, 2010) (mg/kg) (back)	Laboratory PQLs for RI Analyses (mg/kg)[e] (pql)	Most Stringent Soil Screening Level (mg/kg)[f]	
Total Naphthalenes										
Benz(a)anthracene	0.01	*357537*	*357.537*	0.004	2.09			0.005	0.005	*(pql)*
Benzo(a)pyrene	0.01	*968774*	*968.774*	0.0097	1.88			0.005	0.0097	*(mB)*
Benzo(b)fluoranthene	0.01	*1230000*	*1230*	0.012	4.37			0.005	0.012	*(mB)*
Benzo(k)fluoranthene	0.01	*1230000*	*1230*	0.012	4.37			0.005	0.012	*(mB)*
Chrysene	0.016	*398000*	*398*	0.0064	2.09			0.005	0.0064	*(mB)*
Dibenzo(a,h)anthracene	0.01	*1789101*	*1789.101*	0.018	0.23			0.005	0.018	*(mB)*
Indeno(1,2,3-cd)pyrene	0.01	*3470000*	*3470*	0.035	0.65			0.005	0.035	*(mB)*
Total cPAHs TEQ	0.020	*968774*	*968.774*	0.019	0.15			0.005	0.019	*(mB)*
Other Semi-Volatile Organics										
1,2,4-Trichlorobenzene	0.5	*1659*	*1.659*	0.001	0.015			0.005	0.005	*(pql)*
1,2-Dichlorobenzene	5.6	*379*	*0.379*	0.0037	0.044			0.005	0.005	*(pql)*
1,3-Dichlorobenzene	2							0.005		
1,4-Dichlorobenzene	4.8	*616*	*0.616*	0.0043	0.059			0.005	0.005	*(pql)*
2,4,5-Trichlorophenol	600	*1597*	*1.597*	1.1				0.1	1.1	*(mB)*
2,4,6-Trichlorophenol	3	*381*	*0.381*	0.002				0.1	0.1	*(pql)*
2,4-Dichlorophenol	10	*147*	*0.147*	0.0043				0.2	0.2	*(pql)*
2,4-Dimethylphenol	6.3	*209*	*0.209*	0.0031	0.029			0.02	0.02	*(pql)*
2,4-Dinitrophenol	100	*0.01*	*0.00001*	0.029				0.85	0.85	*(pql)*
2-Chloronaphthalene	100							0.02		
2-Chlorophenol	17	*388*	*0.388*	0.011				0.02	0.02	*(pql)*
2-Methylphenol	27	*91.2*	*0.0912*	0.0100	0.063			0.005	0.01	*(mB)*
2-Nitroaniline								0.1		
2-Nitrophenol								0.1		
3,3'-Dichlorobenzidine	5	*724*	*0.724*	0.005				0.15	0.15	*(pql)*
3-Nitroaniline								0.1		
4,6-Dinitro-2-methylphenol	10							0.2		
4-Bromophenyl phenyl ether								0.02		
4-Chloro-3-methylphenol	36							0.1		
4-Chloroaniline		*66.1*	*0.0661*					0.27		
4-Chlorophenyl phenyl ether								0.02		
4-Methylphenol					0.27			0.01	0.27	*(sed)*
4-Nitroaniline								0.1		
4-Nitrophenol								0.1		
Benzoic acid	1058	*0.6*	*0.0006*	0.3	0.65			0.4	0.4	*(pql)*

Table 6-2
Soil Screening Levels

Analyte (by Group)	Site Specific Groundwater Screening Level (µg/L) [See Table 6-1]	Applicable Soil Criteria: Groundwater Protection: Constants and Coefficients[a]: Koc (Soil Organic Carbon-Water Partitioning Coefficient) (L/kg)	Applicable Soil Criteria: Groundwater Protection: Constants and Coefficients[a]: Kd (Distribution Coefficient) (L/kg)	Applicable Soil Criteria: Groundwater Protection: Calculated Values: Saturated Soil, Method B, Concentration Protective of Leachability to Groundwater (mg/kg)[b] (mB)	Applicable Soil Criteria: Sediment Protection: Concentration Protective of LDW Sediment (Site-Specific Sediment SL; mg/kg – dry weight)[c] (sed)	Applicable Soil Criteria: Direct Contact: Soil, Method A, Industrial Land Use, Ch. 173-340-745 WAC, Table 745-1 (mg/kg)[d] (mA)	Applicable Soil Criteria: Natural Background Concentrations (Ecology 1994, 2010) (mg/kg) (back)	Laboratory PQLs for RI Analyses (mg/kg)[e] (pql)	Most Stringent Soil Screening Level (mg/kg)[f]	
Benzyl alcohol					0.057			0.02	0.057	*(sed)*
Butyl benzyl phthalate	1	*13746*	*13.746*	0.014	0.093			0.005	0.014	*(mB)*
Bis(2-chloro-1-methylethyl) ether	10.3									
Bis(2-chloroethoxy)methane								0.02		
Bis(2-chloroethyl) ether	1	*76*	*0.076*	0.0004				0.02	0.02	*(pql)*
Bis(2-ethylhexyl) phthalate	3	*111123*	*111.123*	0.33	0.89			0.025	0.33	*(mB)*
Carbazole		*3390*	*3.39*					0.02		
Dibenzofuran					0.29			0.02	0.29	*(sed)*
Diethyl phthalate	200	*82*	*0.082*	0.074	1.16			0.005	0.074	*(mB)*
Dimethyl phthalate	600				1.01			0.005	1.01	*(sed)*
Di-n-butyl phthalate	8	*1567*	*1.567*	0.015	4.18			0.02	0.02	*(pql)*
Di-n-octyl phthalate	1	*83200000*	*83200*	83	1.10			0.02	1.10	*(sed)*
Hexachlorobenzene	0.1	*80000*	*80*	0.008	0.0072			0.005	0.0072	*(sed)*
Hexachlorobutadiene	0.1	*53700*	*53.7*	0.0054	0.074			0.005	0.0054	*(mB)*
Hexachlorocyclopentadiene	5	*200000*	*200*	1.0				0.4	1.0	*(mB)*
Hexachloroethane	2	*1780*	*1.78*	0.0041				0.02	0.02	*(pql)*
Isophorone	110	*46.8*	*0.0468*	0.037				0.02	0.037	*(mB)*
Nitrobenzene	100	*119*	*0.119*	0.041				0.02	0.041	*(mB)*
N-Nitroso-di-n-propylamine	1	*24*	*0.024*	0.00031				0.012	0.012	*(pql)*
N-Nitrosodiphenylamine	1	*1290*	*1.29*	0.0016	0.21			0.02	0.02	*(pql)*
Pentachlorophenol	10	*592*	*0.592*	0.0088	0.36			0.05	0.05	*(pql)*
Phenol	365	*28.8*	*0.0288*	0.12	0.42			0.005	0.12	*(mB)*
2,4-Dinitrotoluene	3	*95.5*	*0.0955*	0.0011				0.1	0.1	*(pql)*
2,6-Dinitrotoluene		*69.2*	*0.0692*					0.1		
Polychlorinated Biphenyls										
Aroclor 1016	0.01	*107300*	*107.3*	0.0011				0.004	0.004	*(pql)*
Aroclor 1221								0.004		
Aroclor 1232								0.004		
Aroclor 1242								0.004		
Aroclor 1248								0.004		
Aroclor 1254	0.01							0.004		
Aroclor 1260	0.03	*822400*	*822.4*	0.025				0.004	0.025	*(mB)*
Aroclor 1262								0.004		
Aroclor 1268								0.004		
Total PCBs	0.025	*309000*	*309*	0.0077	0.0020			0.004	0.004	*(pql)*

Table 6-2
Soil Screening Levels

Analyte (by Group)	Site Specific Groundwater Screening Level (µg/L) [See Table 6-1]	Applicable Soil Criteria: Groundwater Protection: Constants and Coefficients [a] — Koc (Soil Organic Carbon-Water Partitioning Coefficient) (L/kg)	Applicable Soil Criteria: Groundwater Protection: Constants and Coefficients [a] — Kd (Distribution Coefficient) (L/kg)	Applicable Soil Criteria: Groundwater Protection: Calculated Values — Saturated Soil, Method B, Concentration Protective of Leachability to Groundwater (mg/kg)[b] (mB)	Applicable Soil Criteria: Sediment Protection — Concentration Protective of LDW Sediment (Site-Specific Sediment SL; mg/kg – dry weight)[c] (sed)	Applicable Soil Criteria: Direct Contact — Soil, Method A, Industrial Land Use, Ch. 173-340-745 WAC, Table 745-1 (mg/kg)[d] (mA)	Applicable Soil Criteria: Direct Contact — Natural Background Concentrations (Ecology 1994, 2010) (mg/kg) (back)	Laboratory PQLs for RI Analyses (mg/kg)[e] (pql)	Most Stringent Soil Screening Level (mg/kg)[f]	
Tributyltin										
Tributyltin	0.193				0.073			0.004	0.073	*(sed)*
Dioxins/Furans										
2,3,7,8-TCDD	0.00001	*249100*	*249.1*	2.5E-06	2.5E-05		5.2E-06	1.00E-06	5.20E-06	*(back)*
1,2,3,7,8-PeCDD								5.00E-06		
1,2,3,4,7,8-HxCDD								5.00E-06		
1,2,3,6,7,8-HxCDD								5.00E-06		
1,2,3,7,8,9-HxCDD								5.00E-06		
1,2,3,4,6,7,8-HpCDD								5.00E-06		
OCDD								1.00E-05		
2,3,7,8-TCDF								1.00E-06		
1,2,3,7,8-PeCDF								5.00E-06		
2,3,4,7,8-PeCDF								5.00E-06		
1,2,3,4,7,8-HxCDF								5.00E-06		
1,2,3,6,7,8-HxCDF								5.00E-06		
1,2,3,7,8,9-HxCDF								5.00E-06		
2,3,4,6,7,8-HxCDF								5.00E-06		
1,2,3,4,6,7,8-HpCDF								5.00E-06		
1,2,3,4,7,8,9-HpCDF								5.00E-06		
OCDF								1.00E-05		
Total Dioxins/Furans (TEQ)	0.00001	*249100*	*249.1*	2.5E-06	2.0E-06		5.2E-06	5.00E-06	5.20E-06	*(back)*
Pesticides										
Aldrin	0.05	*48685*	*48.685*	0.0024				0.0005	0.0024	*(mB)*
alpha-BHC	0.05	*1762*	*1.762*	0.0001				0.0005	0.0005	*(pql)*
beta-BHC	0.05	*2139*	*2.139*	0.00012				0.0005	0.0005	*(pql)*
gamma-BHC (Lindane)	0.05	*1352*	*1.352*	0.000082				0.0005	0.0005	*(pql)*
Chlordane	0.5	*51310*	*51.31*	0.026				0.0005	0.026	*(mB)*
4,4'-DDT	0.1	*677934*	*677.934*	0.068				0.001	0.068	*(mB)*
4,4'-DDE	0.1	*86405*	*86.405*	0.0087				0.001	0.0087	*(mB)*
4,4'-DDD	0.1	*45800*	*45.8*	0.0046				0.001	0.0046	*(mB)*
Dieldrin	0.1	*25546*	*25.546*	0.0026				0.001	0.0026	*(mB)*
alpha-Endosulfan	0.05							0.0005		
beta-Endosulfan	0.1							0.001		
Endosulfan Sulfate	10							0.001		

Table 6-2
Soil Screening Levels

Analyte (by Group)	Site Specific Groundwater Screening Level (µg/L) [See Table 6-1]	Applicable Soil Criteria: Groundwater Protection: Constants and Coefficients[a]: Koc (Soil Organic Carbon-Water Partitioning Coefficient) (L/kg)	Applicable Soil Criteria: Groundwater Protection: Constants and Coefficients[a]: Kd (Distribution Coefficient) (L/kg)	Applicable Soil Criteria: Groundwater Protection: Calculated Values: Saturated Soil, Method B, Concentration Protective of Leachability to Groundwater (mg/kg)[b] *(mB)*	Applicable Soil Criteria: Sediment Protection: Concentration Protective of LDW Sediment (Site-Specific Sediment SL; mg/kg – dry weight)[c] *(sed)*	Applicable Soil Criteria: Direct Contact: Soil, Method A, Industrial Land Use, Ch. 173-340-745 WAC, Table 745-1 (mg/kg)[d] *(mA)*	Applicable Soil Criteria: Natural Background Concentrations (Ecology 1994, 2010) (mg/kg) *(back)*	Laboratory PQLs for RI Analyses (mg/kg)[e] *(pql)*	Most Stringent Soil Screening Level (mg/kg)[f]	
Endrin	0.1	*10811*	*10.811*	0.0011				0.001	0.0011	*(mB)*
Endrin Aldehyde	0.1							0.001		
Heptachlor	0.05	*9528*	*9.528*	0.0005				0.0005	0.0005	*(pql)*
Heptachlor Epoxide	0.05	*83200*	*83.2*	0.0042				0.0005	0.0042	*(mB)*
Toxaphene	0.05	*95816*	*95.816*	0.0048				0.0005	0.0048	*(mB)*

Table 6-2
Soil Screening Levels

Notes:
Duwamish Shipyard, Inc. site-specific SLs were developed consistent with Elliott Bay nearshore and LDW cleanup sites.
Koc values for 2,3,7,8-TCDD are not provided in CLARC; therefore, values are from EPA's RSL table (downloaded May 2016).
a = Values from Ecology's CLARC Database downloaded March 2017.
b = Calculated values from 3-phase model, per MTCA Equation 747-1, with groundwater value (Cw) set to the groundwater SL, Dilution Factor = 1, default foc = 0.001.
c = Site-specific sediment SLs (see Table 6-3); organics converted to dry weight values using foc = 1.9% (average for the LDW; EPA 2014 and Ecology 2016b)
d = Because site groundwater is not potable, Method A soil cleanup levels are not applicable. MTCA Method A cleanup levels are used only for TPH constituents, which do not have other ARARs for soil.
e = From Analytical Resources, Inc. (Tukwila, Washington).
f = Most stringent protective of groundwater, sediment, and direct contact ARARs.
Selected screening levels
µg/L = micrograms per liter
ARAR = Applicable or Relevant and Appropriate Requirement
CLARC = Cleanup Levels and Risk Calculation
cPAH = carcinogenic polycyclic aromatic hydrocarbon
Cw = sediment porewater concentration (i.e., groundwater concentration)
EPA = U.S. Environmental Protection Agency
foc = fraction organic carbon
Kd = distribution coefficient
Koc = soil organic carbon-water partitioning coefficient
LDW = Lower Duwamish Waterway
L/kg = liter per kilogram
mg/kg = milligrams per kilogram
MTCA = Model Toxics Control Act
PCB = polychlorinated biphenyl
PQL = practical quantitation limit
RI = Remedial Investigation
RSL = regional screening level
SL = Screening Level
TEQ = toxic equivalent quotient
TPH = total petroleum hydrocarbon
WAC = Washington Administrative Code

Table 6-3
Sediment Screening Levels

Analyte	LDW Sediment CUL (HH - Seafood Consumption; RAO 1)	Units	LDW Sediment CUL (HH - Direct Contact; RAO 2)	Units	LDW Sediment CUL (Ecological; RAO 4)	Units	LDW Sediment CUL (Benthic; RAO 3)	Units	WA SMS Benthic SCO (WAC 173-204)	Units	DMMP BT (µg/kg-DW)[a]	Natural Background (mg/kg-DW)[b]	Sediment SL (mg/kg-DW)[c]
Metals													
Arsenic			7[d]	mg/kg-DW			57	mg/kg-DW	57	mg/kg-DW		7	7
Cadmium							5.1	mg/kg-DW	5.1	mg/kg-DW		0.8	5.1
Chromium (Total)							260	mg/kg-DW	260	mg/kg-DW		62	260
Copper							390	mg/kg-DW	390	mg/kg-DW		45	390
Lead							450	mg/kg-DW	450	mg/kg-DW		21	450
Mercury							0.41	mg/kg-DW	0.41	mg/kg-DW		0.2	0.41
Silver							6.1	mg/kg-DW	6.1	mg/kg-DW		0.24	6.1
Zinc							410	mg/kg-DW	410	mg/kg-DW		93	410
Organometals													
Tributyltin											73		0.073
Polycyclic Aromatic Hydrocarbons													
Acenaphthene							16	mg/kg-OC	16	mg/kg-OC			0.30
Acenaphthylene									66	mg/kg-OC			1.25
Anthracene							220	mg/kg-OC	220	mg/kg-OC			4.18
Benz(a)anthracene							110	mg/kg-OC	110	mg/kg-OC			2.09
Benzo(a)pyrene							99	mg/kg-OC	99	mg/kg-OC			1.88
Benzo(g,h,i)perylene							31	mg/kg-OC	31	mg/kg-OC			0.59
Chrysene							110	mg/kg-OC	110	mg/kg-OC			2.09
Dibenzo(a,h)anthracene							12	mg/kg-OC	12	mg/kg-OC			0.23
Fluoranthene							160	mg/kg-OC	160	mg/kg-OC			3.04
Benzo(b)fluoranthene							230	mg/kg-OC	230	mg/kg-OC			4.37
Fluorene							23	mg/kg-OC	23	mg/kg-OC			0.44
Indeno(1,2,3-cd)pyrene							34	mg/kg-OC	34	mg/kg-OC			0.65
Naphthalene							99	mg/kg-OC	99	mg/kg-OC			1.88
Phenanthrene							100	mg/kg-OC	100	mg/kg-OC			1.90
Pyrene							1000	mg/kg-OC	1000	mg/kg-OC			19.0
2-Methylnaphthalene							38	mg/kg-OC	38	mg/kg-OC			0.72
Total HPAH (SMS)							960	mg/kg-OC	960	mg/kg-OC			18.2
Total LPAH (SMS)							370	mg/kg-OC	370	mg/kg-OC			7.03
Total cPAHs TEQ			150	µg/kg-DW								0.009	0.15
Volatile/Semi-volatile Organic Compounds													
1,2,4-Trichlorobenzene							0.81	mg/kg-OC	0.81	mg/kg-OC			0.015
1,2-Dichlorobenzene							2.3	mg/kg-OC	2.3	mg/kg-OC			0.04
1,4-Dichlorobenzene							3.1	mg/kg-OC	3.1	mg/kg-OC			0.06
2,4-Dimethylphenol							29	µg/kg-DW	29	µg/kg-DW			0.03
2-Methylphenol									63	µg/kg-DW			0.06
4-Methylphenol							670	µg/kg-DW	270	µg/kg-DW			0.27
Benzoic acid							650	µg/kg-DW	650	µg/kg-DW			0.65
Benzyl alcohol							57	µg/kg-DW	57	µg/kg-DW			0.06
Bis(2-ethylhexyl) phthalate							47	mg/kg-OC	47	mg/kg-OC			0.89

Table 6-3
Sediment Screening Levels

Analyte	LDW Sediment CUL (HH - Seafood Consumption; RAO 1)	Units	LDW Sediment CUL (HH - Direct Contact; RAO 2)	Units	LDW Sediment CUL (Ecological; RAO 4)	Units	LDW Sediment CUL (Benthic; RAO 3)	Units	WA SMS Benthic SCO (WAC 173-204)	Units	DMMP BT (µg/kg-DW)[a]	Natural Background (mg/kg-DW)[b]	Sediment SL (mg/kg-DW)[c]
Butyl benzyl phthalate							4.9	mg/kg-OC	4.9	mg/kg-OC			0.09
Dibenzofuran							15	mg/kg-OC	15	mg/kg-OC			0.29
Di-n-butyl phthalate									220	mg/kg-OC			4.18
Di-n-octyl phthalate									58	mg/kg-OC			1.10
Diethyl phthalate									61	mg/kg-OC			1.16
Dimethyl phthalate							53	mg/kg-OC	53	mg/kg-OC			1.01
Hexachlorobenzene							0.38	mg/kg-OC	0.38	mg/kg-OC			0.007
Hexachlorobutadiene									3.9	mg/kg-OC			0.07
n-Nitrosodiphenylamine							11	mg/kg-OC	11	mg/kg-OC			0.21
Pentachlorophenol							360	µg/kg-DW	360	µg/kg-DW			0.36
Phenol							420	µg/kg-DW	420	µg/kg-DW			0.42
Polychlorinated Biphenyls													
Total PCBs	2	µg/kg-DW	1,300 / 500[e]	µg/kg-DW	128	µg/kg-DW	12	mg/kg-OC	12	mg/kg-OC		0.002	0.002
Dioxins/Furans													
Total Dioxins/Furans (TEQ)	2	ng/kg-DW	37 / 13[e]	ng/kg-DW								0.000002	0.000002

Table 6-3
Sediment Screening Levels

Notes:
Site screening levels for sediment were derived using the sediment CULs in the ROD (EPA 2014). Where unavailable, the benthic SCO (WAC 173-204) or other ARAR was applied.
a = TBT threshold from the DMMP User's Manual (updated September 2016); this criteria is only used for screening purposes in the RI because no other ARAR exists.
b = Background values cited in Table 3 of the ROD (EPA 2014) and Table 10-1 of SMS (i.e., for Puget Sound, updated March 2015)
c = Converted to dry-weight concentrations for organic chemicals using an foc of 1.9% (average for LDW sediments; EPA 2014)
d = The LDW ROD sediment cleanup levels for arsenic are the same for both clamming and net fishing (EPA 2014)
e = The LDW ROD sediment cleanup levels for both net fishing and clamming are provided (net fishing / clamming; EPA 2014)
Selected screening levels
µg/kg = micrograms per kilogram
ARAR = Applicable or Relevant and Appropriate Requirement
BT = bioaccumulation threshold
cPAH = carcinogenic polycyclic aromatic hydrocarbon
CUL = cleanup level
DMMP = Dredged Material Management Program
DW = dry weight
foc = fraction organic carbon
HH = human health
HPAH = high-molecular-weight polycyclic aromatic hydrocarbon
LDW = Lower Duwamish Waterway
LPAH = low-molecular-weight polycyclic aromatic hydrocarbon
mg/kg = milligrams per kilogram
OC = organic carbon normalized
ng/kg = nanograms per kilogram
PCB = polychlorinated biphenyl
ROD = Record of Decision
SCO = Sediment Cleanup Objective
SL = screening level
SMS = Sediment Management Standards
TEQ = toxic equivalent quotient
WA = Washington
WAC = Washington Administrative Code
RAO = remedial action objective

Table 7-1
Summary of COPCs, COCs and ICs in Soil

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Soil Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
Metals (mg/kg)													
Antimony	6	156	156	4%		0	0	0%	0%	0	0	3.6	
Arsenic	170	188	188	90%	7.3	51	1	27%	1%	5.3	0.5	441	60
Barium	129	129	129	100%		0	0	0%	0%	0	0	418	
Beryllium	19	129	129	15%		0	0	0%	0%	0	0	0.4	
Cadmium	64	180	180	36%	0.77	4	2	2%	1%	0.56	0.56	8.5	11
Chromium	180	180	180	100%	260	0	0	0%	0%	0	0	62	0.24
Chromium VI	8	75	75	11%	0.96	5	0	7%	0%	4.0	0.0	2.41	3
Copper	180	180	180	100%	36	40	0	22%	0%	10.0	0.0	3310	92
Lead	171	180	180	95%	81	17	0	9%	0%	5.0	0.0	6760	83
Mercury	83	180	180	46%	0.07	39	0	22%	0%	10.0	0.0	2.01	29
Nickel	156	156	156	100%	38	5	0	3%	0%	0.64	0	105	2.8
Selenium	0	156	156	0%	0.5	0	131	0%	84%	0	0		
Silver	6	180	180	3%	0.2	6	104	3%	58%	2.22	2.22	3	15
Thallium	0	129	129	0%		0	0	0%	0%	0	0		
Zinc	180	180	180	100%	85	31	0	17%	0%	5.6	0.0	5840	69
Organometallic Compounds (µg/kg)													
Tributyltin (ion)	9	129	129	7%	73	0	0	0%	0%	0	0	55	0.753425
Volatile Organics (µg/kg)													
1,1,1,2-Tetrachloroethane	0	124	124	0%		0	0	0%	0%	0	0		
1,1,1-Trichloroethane	1	124	124	1%	21000	0	0	0%	0%	0	0	13	0.001
1,1,2,2-Tetrachloroethane	1	124	124	1%	1	1	86	1%	69%	0	15.32	1.9	1.9
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0	100	100	0%		0	0	0%	0%	0	0		
1,1,2-Trichloroethane	0	124	124	0%	1	0	87	0%	70%	0	16.13		
1,1-Dichloroethane	5	124	124	4%		0	0	0%	0%	0	0	10	
1,1-Dichloroethene	0	124	124	0%	1.1	0	66	0%	53%	0	11.29		
1,1-Dichloropropene	0	124	124	0%		0	0	0%	0%	0	0		
1,2,3-Trichlorobenzene	0	124	124	0%		0	0	0%	0%	0	0		
1,2,3-Trichloropropane	0	124	124	0%		0	0	0%	0%	0	0		
1,2,4-Trichlorobenzene	0	48	48	0%	5	0	27	0%	56%	0	10.42		
1,2,4-Trimethylbenzene	17	124	124	14%		0	0	0%	0%	0	0	3200	
1,2-Dibromo-3-chloropropane	0	124	124	0%		0	0	0%	0%	0	0		
1,2-Dichlorobenzene	0	119	119	0%	3.7	0	2	0%	2%	0	1.68		
1,2-Dichloroethane	0	124	124	0%	19	0	5	0%	4%	0	4.03		
1,2-Dichloroethene, cis-	5	124	124	4%		0	0	0%	0%	0	0	7.3	
1,2-Dichloroethene, trans-	0	124	124	0%	320	0	0	0%	0%	0	0		
1,2-Dichloropropane	0	124	124	0%	1	0	87	0%	70%	0	16.13		
1,3,5-Trimethylbenzene (Mesitylene)	11	124	124	9%		0	0	0%	0%	0	0	80	
1,3-Dichloropropane	0	124	124	0%		0	0	0%	0%	0	0		
1,3-Dichloropropene, cis-	0	124	124	0%		0	0	0%	0%	0	0		
1,3-Dichloropropene, trans-	0	124	124	0%		0	0	0%	0%	0	0		
1,4-Dichloro-2-butene, trans-	0	100	100	0%		0	0	0%	0%	0	0		
1,4-Dichlorobenzene	0	116	116	0%	4.3	0	2	0%	2%	0	1.72		
2,2-Dichloropropane	0	124	124	0%		0	0	0%	0%	0	0		
2-Chloroethylvinyl ether	0	100	100	0%		0	0	0%	0%	0	0		
2-Chlorotoluene	0	124	124	0%		0	0	0%	0%	0	0		
2-Hexanone (Methyl butyl ketone)	0	124	124	0%		0	0	0%	0%	0	0		
4-Chlorotoluene	0	124	124	0%		0	0	0%	0%	0	0		
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0	124	124	0%		0	0	0%	0%	0	0		
Acetone	103	124	124	83%		0	0	0%	0%	0	0	6500	
Acrolein	0	100	100	0%		0	0	0%	0%	0	0		
Acrylonitrile	0	100	100	0%		0	0	0%	0%	0	0		

Table 7-1
Summary of COPCs, COCs and ICs in Soil

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Soil Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
Benzene	76	131	131	58%	1	56	44	43%	34%	24.4	7.6	260	260
Bromobenzene	0	124	124	0%		0	0	0%	0%	0	0		
Bromochloromethane	0	124	124	0%		0	0	0%	0%	0	0		
Bromodichloromethane	0	124	124	0%	1	0	87	0%	70%	0	16.13		
Bromoform (Tribromomethane)	0	124	124	0%	5	0	5	0%	4%	0	4.03		
Bromomethane (Methyl bromide)	7	124	124	6%	78	4	1	3%	1%	1.61	0	180	2.31
Carbon disulfide	101	124	124	81%		0	0	0%	0%	0	0	80	
Carbon tetrachloride (Tetrachloromethane)	0	124	124	0%	1	0	87	0%	70%	0	16.13		
Chlorobenzene	3	100	100	3%	100	0	0	0%	0%	0	0	1.3	0.013
Chloroethane	1	124	124	1%		0	0	0%	0%	0	0	1.5	
Chloroform	2	124	124	2%	5.2	0	5	0%	4%	0	4.03	1.2	0.23
Chloromethane	3	124	124	2%		0	0	0%	0%	0	0	3.6	
Cymene, p- (4-Isopropyltoluene)	7	124	124	6%		0	0	0%	0%	0	0	8.1	
Dibromochloromethane	0	124	124	0%	1	0	87	0%	70%	0	16.13		
Dibromomethane	0	124	124	0%		0	0	0%	0%	0	0		
Dichlorodifluoromethane	0	124	124	0%		0	0	0%	0%	0	0		
Dichloromethane (Methylene chloride)	76	124	124	61%	30	4	2	3%	2%	3.23	1.61	440	15
Ethyl bromide (Bromoethane)	0	100	100	0%		0	0	0%	0%	0	0		
Ethylbenzene	41	131	131	31%	15	1	5	1%	4%	0.76	3.82	60	4
Ethylene dibromide (1,2-Dibromoethane)	0	124	124	0%		0	0	0%	0%	0	0		
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0	91	91	0%	5.4	0	9	0%	10%	0	7.69		
Isopropylbenzene (Cumene)	11	124	124	9%		0	0	0%	0%	0	0	450	
m,p-Xylene	69	131	131	53%		0	0	0%	0%	0	0	290	
Methyl ethyl ketone (2-Butanone)	77	124	124	62%		0	0	0%	0%	0	0	780	
Methyl iodide (Iodomethane)	5	100	100	5%		0	0	0%	0%	0	0	55	
Methyl tert-butyl ether (MTBE)	0	127	127	0%		0	0	0%	0%	0	0		
n-Butylbenzene	7	124	124	6%		0	0	0%	0%	0	0	710	
n-Propylbenzene	12	124	124	10%		0	0	0%	0%	0	0	1500	
Naphthalene	2	2	2	100%	120	0	0	0%	0%	0	0	69	0.575
o-Xylene	44	131	131	34%		0	0	0%	0%	0	0	130	
sec-Butylbenzene	10	124	124	8%		0	0	0%	0%	0	0	1500	
Styrene	1	124	124	1%		0	0	0%	0%	0	0	0.7	
tert-Butylbenzene	4	124	124	3%		0	0	0%	0%	0	0	150	
Tetrachloroethene (PCE)	11	124	124	9%	1.6	5	27	4%	22%	3.23	4.03	24	15
Toluene	104	131	131	79%	55	3	4	2%	3%	0	2.29	75	1.4
Trichloroethene (TCE)	4	124	124	3%	1	1	86	1%	69%	0.81	16.13	3	3
Trichlorofluoromethane (Fluorotrichloromethane)	0	124	124	0%		0	0	0%	0%	0	0		
Vinyl acetate	0	100	100	0%		0	0	0%	0%	0	0		
Vinyl chloride	0	124	124	0%	1	0	87	0%	70%	0	16.13		
Semivolatile Organics (µg/kg)													
1,2,4-Trichlorobenzene	1	132	132	1%	5	0	33	0%	25%	0	24.24	4	0.8
1,2-Dichlorobenzene	3	61	61	5%	3.7	2	58	3%	95%	0	50.82	5.5	1.5
1,3-Dichlorobenzene	0	153	153	0%		0	0	0%	0%	0	0		
1,4-Dichlorobenzene	5	64	64	8%	4.3	5	59	8%	92%	3.1	48.4	120	28
2,2'-Oxybis (1-chloropropane)	0	129	129	0%		0	0	0%	0%	0	0		
2,3,4,6-Tetrachlorophenol	3	129	129	2%		0	0	0%	0%	0	0	2500	
2,4,5-Trichlorophenol	1	129	129	1%	1100	0	1	0%	1%	0	0	110	0.1
2,4,6-Trichlorophenol	0	129	129	0%	100	0	16	0%	12%	0	11.63		
2,4-Dichlorophenol	0	129	129	0%	200	0	15	0%	12%	0	3.1		
2,4-Dimethylphenol	4	156	156	3%	20	3	134	2%	86%	0.64	14.1	92	4.6
2,4-Dinitrophenol	0	129	129	0%	850	0	4	0%	3%	0	0.78		
2,4-Dinitrotoluene	0	129	129	0%	100	0	16	0%	12%	0	11.63		

Table 7-1
Summary of COPCs, COCs and ICs in Soil

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Soil Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
2,6-Dinitrotoluene	0	129	129	0%		0	0	0%	0%	0	0		
2-Chloronaphthalene	0	129	129	0%		0	0	0%	0%	0	0		
2-Chlorophenol	1	129	129	1%	20	1	15	1%	12%	0.78	10.85	74	3.7
2-Methylphenol (o-Cresol)	42	156	156	27%	10	7	37	4%	24%	1.92	7.69	52	5.2
2-Nitroaniline	0	129	129	0%		0	0	0%	0%	0	0		
2-Nitrophenol	0	129	129	0%		0	0	0%	0%	0	0		
3,3'-Dichlorobenzidine	0	129	129	0%	150	0	15	0%	12%	0	3.1		
3-Nitroaniline	0	129	129	0%		0	0	0%	0%	0	0		
4-Bromophenyl-phenyl ether	0	129	129	0%		0	0	0%	0%	0	0		
4-Chloro-3-methylphenol	0	129	129	0%		0	0	0%	0%	0	0		
4-Chloroaniline	0	129	129	0%		0	0	0%	0%	0	0		
4-Chlorophenyl phenyl ether	0	129	129	0%		0	0	0%	0%	0	0		
4-Methylphenol (p-Cresol)	82	156	156	53%	270	0	0	0%	0%	0	0	180	0.67
4-Nitroaniline	0	129	129	0%		0	0	0%	0%	0	0		
4-Nitrophenol	0	129	129	0%		0	0	0%	0%	0	0		
Benzoic acid	43	156	156	28%	400	22	17	14%	11%	8.3	3.9	2100	5
Benzyl alcohol	27	144	144	19%	57	9	12	6%	8%	0.7	1.4	120	2
bis(2-Chloroethoxy)methane	0	129	129	0%		0	0	0%	0%	0	0		
bis(2-Chloroethyl)ether	0	129	129	0%	20	0	16	0%	12%	0	11.63		
bis(2-Ethylhexyl)phthalate	21	156	156	13%	330	1	1	1%	1%	0.64	0	2600	7.9
Butylbenzyl phthalate	23	156	156	15%	14	6	31	4%	20%	1.92	5.77	65	4.6
Di-n-butyl phthalate	11	156	156	7%	20	7	24	4%	15%	1.28	13.46	49	2.45
Di-n-octyl phthalate	2	156	156	1%	1100	0	0	0%	0%	0	0	43	0.04
Diethyl phthalate	20	156	156	13%	74	0	7	0%	4%	0	1.28	48	0.6
Dimethyl phthalate	16	155	155	10%	1000	0	0	0%	0%	0	0	90	0.09
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	0	129	129	0%		0	0	0%	0%	0	0		
Hexachlorobenzene	3	117	117	3%	7.2	1	36	1%	31%	0.85	26.5	300	41.7
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0	27	27	0%	5.4	0	27	0%	100%	0	100		
Hexachlorocyclopentadiene	0	129	129	0%	1000	0	1	0%	1%	0	0		
Hexachloroethane	0	156	156	0%	20	0	25	0%	16%	0	14.1		
Isophorone	0	129	129	0%	37	0	15	0%	12%	0	3.1		
n-Nitrosodi-n-propylamine	0	129	129	0%	12	0	129	0%	100%	0	11.63		
n-Nitrosodiphenylamine	10	156	156	6%	20	4	13	3%	8%	1.92	7.05	540	27
Nitrobenzene	0	129	129	0%	41	0	15	0%	12%	0	3.1		
Pentachlorophenol	22	156	156	14%	50	4	40	3%	26%	1.3	7.1	20000	400
Phenol	73	156	156	47%	120	22	2	14%	1%	7.7	0.0	4900	41
Polycyclic Aromatic Hydrocarbons (µg/kg)													
1-Methylnaphthalene	84	156	156	54%		0	0	0%	0%	0	0	5600	
2-Methylnaphthalene	104	180	180	58%	720	4	0	2%	0%	1.11	0	5900	8.2
Acenaphthene	64	180	180	36%	17	32	21	18%	12%	14.4	1.1	4600	271
Acenaphthylene	60	180	180	33%	1300	3	0	2%	0%	0.56	0	3000	2.3
Anthracene	85	180	180	47%	220	14	0	8%	0%	5.6	0.0	3200	15
Benzo(a)anthracene	97	180	180	54%	5	83	13	46%	7%	42.2	7.2	5300	1060
Benzo(a)pyrene	90	180	180	50%	9.7	74	12	41%	7%	30.0	3.9	7900	814
Benzo(b)fluoranthene	93	180	180	52%	12	67	14	37%	8%	27.8	2.2	4100	342
Benzo(g,h,i)perylene	85	180	180	47%	590	9	0	5%	0%	4.44	0	3000	5.1
Benzo(k)fluoranthene	82	180	180	46%	12	57	15	32%	8%	22.8	2.2	5600	467
Carbazole	12	129	129	9%	--	0	0	0%	0%	0	0	560	
Chrysene	113	180	180	63%	6.4	94	8	52%	4%	46.7	4.4	7500	1172
Dibenzo(a,h)anthracene	60	180	180	33%	18	32	22	18%	12%	10.6	2.8	900	50
Dibenzofuran	81	180	180	45%	290	6	0	3%	0%	1.11	0	4300	14.8
Fluoranthene	126	180	180	70%	160	33	0	18%	0%	10.0	0	14000	88

Table 7-1
Summary of COPCs, COCs and ICs in Soil

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Soil Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
Fluorene	91	180	180	51%	24	33	2	18%	1%	15.6	0.6	5400	225
Indeno(1,2,3-c,d)pyrene	76	180	180	42%	35	36	4	20%	2%	15.0	1.7	2700	77
Naphthalene	118	180	180	66%	120	18	3	10%	2%	7.2	0.6	5300	44
Phenanthrene	137	180	180	76%	1900	4	0	2%	0%	2.22	0	18000	9.5
Pyrene	132	180	180	73%	550	15	0	8%	0%	6.7	0	11000	20
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	116	180	180	64%	19	65	3	36%	2%	26.7	0	9595	505
Pesticides (µg/kg)													
4,4'-DDD (p,p'-DDD)	1	64	64	2%	4.6	1	4	2%	6%	1.56	0	28	6.1
4,4'-DDE (p,p'-DDE)	0	64	64	0%	8.7	0	0	0%	0%	0	0		
4,4'-DDT (p,p'-DDT)	0	64	64	0%	68	0	0	0%	0%	0	0		
Aldrin	0	64	64	0%	2.4	0	1	0%	2%	0	0		
Chlordane, alpha- (Chlordane, cis-)	0	64	64	0%		0	0	0%	0%	0	0		
Chlordane, beta- (Chlordane, trans-)	0	40	40	0%		0	0	0%	0%	0	0		
Chlordane, gamma-	0	24	24	0%		0	0	0%	0%	0	0		
Dieldrin	0	64	64	0%	2.6	0	28	0%	44%	0	1.56		
Endosulfan sulfate	0	64	64	0%		0	0	0%	0%	0	0		
Endosulfan, alpha- (I)	0	64	64	0%		0	0	0%	0%	0	0		
Endosulfan, beta (II)	0	64	64	0%		0	0	0%	0%	0	0		
Endrin	0	64	64	0%	1.1	0	29	0%	45%	0	43.8		
Endrin aldehyde	0	64	64	0%		0	0	0%	0%	0	0		
Endrin ketone	0	64	64	0%		0	0	0%	0%	0	0		
Heptachlor	0	64	64	0%	0.5	0	30	0%	47%	0	43.8		
Heptachlor epoxide	0	64	64	0%	4.2	0	4	0%	6%	0	0		
Hexachlorobenzene	0	63	63	0%	7.2	0	0	0%	0%	0	0		
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0	62	62	0%	5.4	0	0	0%	0%	0	0		
Hexachlorocyclohexane (BHC), alpha-	0	64	64	0%	0.5	0	32	0%	50%	0	48.4		
Hexachlorocyclohexane (BHC), beta-	0	64	64	0%	0.5	0	38	0%	59%	0	51.6		
Hexachlorocyclohexane (BHC), delta-	0	64	64	0%		0	0	0%	0%	0	0		
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0	64	64	0%	0.5	0	30	0%	47%	0	46.9		
Methoxychlor	0	64	64	0%		0	0	0%	0%	0	0		
Toxaphene	0	64	64	0%	4.8	0	64	0%	100%	0	100		
Total Chlordane (alpha, beta, gamma) (U = 0)	0	64	64	0%	26	0	0	0%	0%	0	0		
Dioxin Furans (ng/kg)													
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	2	21	21	10%	5.2	0	0	0%	0%	0	0	1.35	0.26
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	7	21	21	33%		0	0	0%	0%	0	0	8.72	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	15	21	21	71%		0	0	0%	0%	0	0	8.6	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	11	21	21	52%		0	0	0%	0%	0	0	94.8	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	8	21	21	38%		0	0	0%	0%	0	0	20	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	12	21	21	57%		0	0	0%	0%	0	0	3090	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	15	21	21	71%		0	0	0%	0%	0	0	43900	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	10	21	21	48%		0	0	0%	0%	0	0	74.5	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	11	21	21	52%		0	0	0%	0%	0	0	117	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	10	21	21	48%		0	0	0%	0%	0	0	487	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	10	21	21	48%		0	0	0%	0%	0	0	5390	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	9	21	21	43%		0	0	0%	0%	0	0	5.43	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	10	21	21	48%		0	0	0%	0%	0	0	9.89	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	11	21	21	52%		0	0	0%	0%	0	0	38.5	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	18	21	21	86%		0	0	0%	0%	0	0	521	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	16	21	21	76%		0	0	0%	0%	0	0	77.3	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	11	21	21	52%		0	0	0%	0%	0	0	71.3	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	16	21	21	76%		0	0	0%	0%	0	0	101	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	17	21	21	81%		0	0	0%	0%	0	0	1480	

Table 7-1
Summary of COPCs, COCs and ICs in Soil

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Soil Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	14	21	21	67%		0	0	0%	0%	0	0	262	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	18	21	21	86%		0	0	0%	0%	0	0	3130	
Total Tetrachlorodibenzofuran (TCDF)	17	21	21	81%		0	0	0%	0%	0	0	164	
Total Pentachlorodibenzofuran (PeCDF)	16	21	21	76%		0	0	0%	0%	0	0	510	
Total Hexachlorodibenzofuran (HxCDF)	17	21	21	81%		0	0	0%	0%	0	0	2960	
Total Heptachlorodibenzofuran (HpCDF)	17	21	21	81%		0	0	0%	0%	0	0	6060	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	20	21	21	95%	5.2	6	0	29%	0%	14.3	0	168	32
PCB Aroclors (µg/kg)													
Aroclor 1016	0	76	76	0%	4	0	26	0%	34%	0	34.21		
Aroclor 1221	0	76	76	0%		0	0	0%	0%	0	0		
Aroclor 1232	0	76	76	0%		0	0	0%	0%	0	0		
Aroclor 1242	0	76	76	0%		0	0	0%	0%	0	0		
Aroclor 1248	0	76	76	0%		0	0	0%	0%	0	0		
Aroclor 1254	10	76	76	13%		0	0	0%	0%	0	0	82	
Aroclor 1260	18	76	76	24%	25	9	2	12%	3%	4.0	0.0	300	12
Total PCB Aroclors (U = 0)	20	76	76	26%	4	18	35	24%	46%	22.4	32.9	300	75
n-Alkanes and Isoprenoids (µg/kg)													
n-Decane (C10)	1	3	3	33%		0	0	0%	0%	0	0	2400	
n-Dodecane (C12)	0	3	3	0%		0	0	0%	0%	0	0		
n-Hexane (C6)	0	3	3	0%		0	0	0%	0%	0	0		
n-Octane (C8)	0	3	3	0%		0	0	0%	0%	0	0		
n-Pentane (C5)	0	3	3	0%		0	0	0%	0%	0	0		
Extractable Petroleum Hydrocarbons (mg/kg)													
C8-C10 Aliphatics	1	3	3	33%		0	0	0%	0%	0	0	6.6	
C10-C12 Aliphatics	1	3	3	33%		0	0	0%	0%	0	0	27	
C8-C10 Aromatics	0	3	3	0%		0	0	0%	0%	0	0		
C10-C12 Aromatics	0	3	3	0%		0	0	0%	0%	0	0		
Volatile Petroleum Hydrocarbons (mg/kg)													
C8-C10 Aliphatics	1	3	3	33%		0	0	0%	0%	0	0	16	
C10-C12 Aliphatics	0	3	3	0%		0	0	0%	0%	0	0		
C8-C10 Aromatics	1	3	3	33%		0	0	0%	0%	0	0	35	
C10-C12 Aromatics	1	3	3	33%		0	0	0%	0%	0	0	100	
Total Petroleum Hydrocarbons (mg/kg)													
Diesel range hydrocarbons	90	168	168	54%	2000	10	0	6%	0%	1.8	0.0	12000	6
Gasoline range hydrocarbons	56	170	170	33%	30	30	0	18%	0%	13.5	0.0	1200	40
Motor oil range hydrocarbons	98	168	168	58%	2000	0	0	0%	0%	0	0	1500	0.75
Total Diesel and Motor Oil (U = 0)	109	168	168	65%	2000	13	0	8%	0%	1.8	0.0	12000	6
C5-C6 Aliphatics	0	3	3	0%		0	0	0%	0%	0	0		
C6-C8 Aliphatics	0	3	3	0%		0	0	0%	0%	0	0		
C12-C16 Aliphatics	1	3	3	33%		0	0	0%	0%	0	0	290	
C16-C21 Aliphatics	1	3	3	33%		0	0	0%	0%	0	0	300	
C21-C34 Aliphatics	1	3	3	33%		0	0	0%	0%	0	0	170	
C12-C13 Aromatics	1	3	3	33%		0	0	0%	0%	0	0	190	
C12-C16 Aromatics	1	3	3	33%		0	0	0%	0%	0	0	37	
C16-C21 Aromatics	1	3	3	33%		0	0	0%	0%	0	0	160	
C21-C34 Aromatics	1	3	3	33%		0	0	0%	0%	0	0	70	

Table 7-1
Summary of COPCs, COCs and ICs in Soil

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
Metals (mg/kg)								
Antimony								
Arsenic	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Barium								
Beryllium								
Cadmium	Yes	Yes	Yes	Yes		Yes		
Chromium	Yes							
Chromium VI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Copper	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lead	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Mercury	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Nickel	Yes	Yes	Yes	Yes		Yes		
Selenium	Yes	Yes	Yes					
Silver	Yes	Yes	Yes			Yes		
Thallium								
Zinc	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Organometallic Compounds (µg/kg)								
Tributyltin (ion)	Yes							
Volatile Organics (µg/kg)								
1,1,1,2-Tetrachloroethane								
1,1,1-Trichloroethane	Yes							
1,1,2,2-Tetrachloroethane	Yes	Yes	Yes					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)								
1,1,2-Trichloroethane	Yes	Yes	Yes					
1,1-Dichloroethane								
1,1-Dichloroethene	Yes	Yes	Yes					
1,1-Dichloropropene								
1,2,3-Trichlorobenzene								
1,2,3-Trichloropropane								
1,2,4-Trichlorobenzene	Yes	Yes	Yes					
1,2,4-Trimethylbenzene								
1,2-Dibromo-3-chloropropane								
1,2-Dichlorobenzene	Yes	Yes	Yes					
1,2-Dichloroethane	Yes	Yes	Yes					
1,2-Dichloroethene, cis-								
1,2-Dichloroethene, trans-	Yes							
1,2-Dichloropropane	Yes	Yes	Yes					
1,3,5-Trimethylbenzene (Mesitylene)								
1,3-Dichloropropane								
1,3-Dichloropropene, cis-								
1,3-Dichloropropene, trans-								
1,4-Dichloro-2-butene, trans-								
1,4-Dichlorobenzene	Yes	Yes	Yes					
2,2-Dichloropropane								
2-Chloroethylvinyl ether								
2-Chlorotoluene								
2-Hexanone (Methyl butyl ketone)								
4-Chlorotoluene								
4-Methyl-2-pentanone (Methyl isobutyl ketone)								
Acetone								
Acrolein								
Acrylonitrile								

Table 7-1
Summary of COPCs, COCs and ICs in Soil

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
Benzene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bromobenzene								
Bromochloromethane								
Bromodichloromethane	Yes	Yes	Yes					
Bromoform (Tribromomethane)	Yes	Yes	Yes					
Bromomethane (Methyl bromide)	Yes	Yes	Yes	Yes		Yes		
Carbon disulfide								
Carbon tetrachloride (Tetrachloromethane)	Yes	Yes	Yes					
Chlorobenzene	Yes							
Chloroethane								
Chloroform	Yes	Yes	Yes					
Chloromethane								
Cymene, p- (4-Isopropyltoluene)								
Dibromochloromethane	Yes	Yes	Yes					
Dibromomethane								
Dichlorodifluoromethane								
Dichloromethane (Methylene chloride)	Yes	Yes	Yes	Yes		Yes		
Ethyl bromide (Bromoethane)								
Ethylbenzene	Yes	Yes	Yes	Yes		Yes		
Ethylene dibromide (1,2-Dibromoethane)								
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	Yes	Yes	Yes					
Isopropylbenzene (Cumene)								
m,p-Xylene								
Methyl ethyl ketone (2-Butanone)								
Methyl iodide (Iodomethane)								
Methyl tert-butyl ether (MTBE)								
n-Butylbenzene								
n-Propylbenzene								
Naphthalene	Yes							
o-Xylene								
sec-Butylbenzene								
Styrene								
tert-Butylbenzene								
Tetrachloroethene (PCE)	Yes	Yes	Yes	Yes		Yes		
Toluene	Yes	Yes	Yes	Yes				
Trichloroethene (TCE)	Yes	Yes	Yes			Yes		
Trichlorofluoromethane (Fluorotrichloromethane)								
Vinyl acetate								
Vinyl chloride	Yes	Yes	Yes					
Semivolatile Organics (µg/kg)								
1,2,4-Trichlorobenzene	Yes	Yes	Yes					
1,2-Dichlorobenzene	Yes	Yes	Yes					
1,3-Dichlorobenzene								
1,4-Dichlorobenzene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
2,2'-Oxybis (1-chloropropane)								
2,3,4,6-Tetrachlorophenol								
2,4,5-Trichlorophenol	Yes	Yes	Yes					
2,4,6-Trichlorophenol	Yes	Yes	Yes					
2,4-Dichlorophenol	Yes	Yes	Yes					
2,4-Dimethylphenol	Yes	Yes	Yes			Yes		
2,4-Dinitrophenol	Yes	Yes	Yes					
2,4-Dinitrotoluene	Yes	Yes	Yes					

Table 7-1
Summary of COPCs, COCs and ICs in Soil

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
2,6-Dinitrotoluene								
2-Chloronaphthalene								
2-Chlorophenol	Yes	Yes	Yes			Yes		
2-Methylphenol (o-Cresol)	Yes	Yes	Yes	Yes		Yes		
2-Nitroaniline								
2-Nitrophenol								
3,3'-Dichlorobenzidine	Yes	Yes	Yes					
3-Nitroaniline								
4-Bromophenyl-phenyl ether								
4-Chloro-3-methylphenol								
4-Chloroaniline								
4-Chlorophenyl phenyl ether								
4-Methylphenol (p-Cresol)	Yes							
4-Nitroaniline								
4-Nitrophenol								
Benzoic acid	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Benzyl alcohol	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
bis(2-Chloroethoxy)methane								
bis(2-Chloroethyl)ether	Yes	Yes	Yes					
bis(2-Ethylhexyl)phthalate	Yes	Yes	Yes	Yes		Yes		
Butylbenzyl phthalate	Yes	Yes	Yes	Yes		Yes		
Di-n-butyl phthalate	Yes	Yes	Yes	Yes		Yes		
Di-n-octyl phthalate	Yes							
Diethyl phthalate	Yes	Yes	Yes	Yes				
Dimethyl phthalate	Yes							
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)								
Hexachlorobenzene	Yes	Yes	Yes			Yes		
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	Yes	Yes	Yes					
Hexachlorocyclopentadiene	Yes	Yes	Yes					
Hexachloroethane	Yes	Yes	Yes					
Isophorone	Yes	Yes	Yes					
n-Nitrosodi-n-propylamine	Yes	Yes	Yes					
n-Nitrosodiphenylamine	Yes	Yes	Yes	Yes		Yes		
Nitrobenzene	Yes	Yes	Yes					
Pentachlorophenol	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Phenol	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Polycyclic Aromatic Hydrocarbons (µg/kg)								
1-Methylnaphthalene								
2-Methylnaphthalene	Yes	Yes	Yes	Yes		Yes		
Acenaphthene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Acenaphthylene	Yes	Yes	Yes	Yes		Yes		
Anthracene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Benzo(a)anthracene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Benzo(a)pyrene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Benzo(b)fluoranthene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Benzo(g,h,i)perylene	Yes	Yes	Yes	Yes		Yes		
Benzo(k)fluoranthene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Carbazole	Yes							
Chrysene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Dibenzo(a,h)anthracene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Dibenzofuran	Yes	Yes	Yes	Yes		Yes		
Fluoranthene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

Table 7-1
Summary of COPCs, COCs and ICs in Soil

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
Fluorene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Indeno(1,2,3-c,d)pyrene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Naphthalene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Phenanthrene	Yes	Yes	Yes	Yes		Yes		
Pyrene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pesticides (µg/kg)								
4,4'-DDD (p,p'-DDD)	Yes	Yes	Yes			Yes		
4,4'-DDE (p,p'-DDE)	Yes							
4,4'-DDT (p,p'-DDT)	Yes							
Aldrin	Yes	Yes	Yes					
Chlordane, alpha- (Chlordane, cis-)								
Chlordane, beta- (Chlordane, trans-)								
Chlordane, gamma-								
Dieldrin	Yes	Yes	Yes					
Endosulfan sulfate								
Endosulfan, alpha- (I)								
Endosulfan, beta (II)								
Endrin	Yes	Yes	Yes					
Endrin aldehyde								
Endrin ketone								
Heptachlor	Yes	Yes	Yes					
Heptachlor epoxide	Yes	Yes	Yes					
Hexachlorobenzene	Yes							
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	Yes							
Hexachlorocyclohexane (BHC), alpha-	Yes	Yes	Yes					
Hexachlorocyclohexane (BHC), beta-	Yes	Yes	Yes					
Hexachlorocyclohexane (BHC), delta-								
Hexachlorocyclohexane (BHC), gamma- (Lindane)	Yes	Yes	Yes					
Methoxychlor								
Toxaphene	Yes	Yes	Yes					
Total Chlordane (alpha, beta, gamma) (U = 0)	Yes							
Dioxin Furans (ng/kg)								
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	Yes							
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)								
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)								
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)								
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)								
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)								
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)								
Total Tetrachlorodibenzo-p-dioxin (TCDD)								
Total Pentachlorodibenzo-p-dioxin (PeCDD)								
Total Hexachlorodibenzo-p-dioxin (HxCDD)								
Total Heptachlorodibenzo-p-dioxin (HpCDD)								
2,3,7,8-Tetrachlorodibenzofuran (TCDF)								
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)								
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)								
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)								
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)								
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)								
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)								
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)								

Table 7-1
Summary of COPCs, COCs and ICs in Soil

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)								
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)								
Total Tetrachlorodibenzofuran (TCDF)								
Total Pentachlorodibenzofuran (PeCDF)								
Total Hexachlorodibenzofuran (HxCDF)								
Total Heptachlorodibenzofuran (HpCDF)								
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
PCB Aroclors (µg/kg)								
Aroclor 1016	Yes	Yes	Yes					
Aroclor 1221								
Aroclor 1232								
Aroclor 1242								
Aroclor 1248								
Aroclor 1254								
Aroclor 1260	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Total PCB Aroclors (U = 0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
n-Alkanes and Isoprenoids (µg/kg)								
n-Decane (C10)								
n-Dodecane (C12)								
n-Hexane (C6)								
n-Octane (C8)								
n-Pentane (C5)								
Extractable Petroleum Hydrocarbons (mg/kg)								
C8-C10 Aliphatics								
C10-C12 Aliphatics								
C8-C10 Aromatics								
C10-C12 Aromatics								
Volatile Petroleum Hydrocarbons (mg/kg)								
C8-C10 Aliphatics								
C10-C12 Aliphatics								
C8-C10 Aromatics								
C10-C12 Aromatics								
Total Petroleum Hydrocarbons (mg/kg)								
Diesel range hydrocarbons	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Gasoline range hydrocarbons	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Motor oil range hydrocarbons	Yes							
Total Diesel and Motor Oil (U = 0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
C5-C6 Aliphatics								
C6-C8 Aliphatics								
C12-C16 Aliphatics								
C16-C21 Aliphatics								
C21-C34 Aliphatics								
C12-C13 Aromatics								
C12-C16 Aromatics								
C16-C21 Aromatics								
C21-C34 Aromatics								

Table 7-1
Summary of COPCs, COCs and ICs in Soil

Notes:
µg/kg = micrograms per kilogram
COC = chemical of concern
COPC = chemical of potential concern
cPAH = carcinogenic polycyclic aromatic hydrocarbon
D = detect
EF = exceedance frequency
FOD = frequency of detection
mg/kg = milligrams per kilogram
ND = non-detect
ng/kg = nanograms per kilogram
PCB = polychlorinated biphenyl
SL = screening level
TEQ = Toxics Equivalents Quotient

Table 7-2
Summary of COPCs, COCs, and ICs in Groundwater and Seeps

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Groundwater Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects (%) - EF of NDs	Exceedance Frequency of Detects > 2x SL (%)	Exceedance Frequency of Non-Detects > 2x SL (%)	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
Metals (µg/L)													
Antimony	24	104	104	23%	90	0	0	0%	0%	0	0	16	0.18
Arsenic	98	119	119	82%	5	25	1	21%	1%	13.45	0.0	2180	436
Barium	104	104	104	100%		0	0	0%	0%	0	0	447	
Beryllium	4	104	104	4%		0	0	0%	0%	0	0	0.3	
Cadmium	27	119	119	23%	7.9	0	0	0%	0%	0	0	2.6	0.33
Chromium	39	119	119	33%	260	0	0	0%	0%	0	0	54	0.21
Chromium VI	9	37	37	24%	50	3	0	8%	0%	0	0	95	1.9
Copper	72	122	122	59%	2.4	52	5	43%	4%	27.1	4.1	126	52.5
Lead	41	119	119	34%	8.1	9	0	8%	0%	1.7	0.0	55.0	6.8
Mercury	4	119	119	3%	0.1	2	0	2%	0%	0	0	0.12	1.2
Nickel	83	107	107	78%	8.2	29	3	27%	3%	14.0	0.0	110	13.4
Selenium	26	104	104	25%	71	1	0	1%	0%	0	0	80	1.13
Silver	6	119	119	5%	1.9	0	14	0%	12%	0	3.36	0.8	0.42
Thallium	0	104	104	0%		0	0	0%	0%	0	0		
Zinc	62	119	119	52%	81	24	3	20%	3%	10.1	0.0	940	11.6
Metals, Dissolved (µg/L)													
Antimony	20	114	114	18%	90	0	0	0%	0%	0	0	12.5	0.14
Arsenic	113	136	136	83%	5	18	2	13%	1%	9.6	0.0	2230	446
Barium	103	103	103	100%		0	0	0%	0%	0	0	440	
Beryllium	1	103	103	1%		0	0	0%	0%	0	0	0.2	
Cadmium	14	129	129	11%	7.9	0	0	0%	0%	0	0	2.6	0.33
Chromium	26	129	129	20%	260	0	0	0%	0%	0	0	42	0.16
Chromium VI	5	16	16	31%	50	0	0	0%	0%	0	0	24	0.48
Copper	43	129	129	33%	2.4	15	9	12%	7%	9.3	7.0	19.0	7.9
Lead	6	129	129	5%	8.1	0	2	0%	2%	0	0	3.2	0.40
Mercury	0	129	129	0%	0.1	0	0	0%	0%	0	0		
Nickel	92	114	114	81%	8.2	32	2	28%	2%	14.9	0.0	105	12.8
Selenium	33	114	114	29%	71	0	0	0%	0%	0	0	22	0.31
Silver	1	129	129	1%	1.9	0	15	0%	12%	0	3.1	0.4	0.21
Thallium	0	103	103	0%		0	0	0%	0%	0	0		
Zinc	48	129	129	37%	81	16	3	12%	2%	8.5	0.0	930	11.5
Organometallic Compounds (µg/L)													
Tributyltin (ion)	0	104	104	0%	0.193	0	0	0%	0%	0	0		
Volatile Organics (µg/L)													
1,1,1,2-Tetrachloroethane	0	139	139	0%		0	0	0%	0%	0	0		
1,1,1-Trichloroethane	1	139	139	1%	50000	0	0	0%	0%	0	0.00E+00	1	2.00E-05
1,1,2,2-Tetrachloroethane	27	139	139	19%	0.3	0	1	0%	1%	0	0	0.21	0.7
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0	103	103	0%		0	0	0%	0%	0	0		
1,1,2-Trichloroethane	0	139	139	0%	0.9	0	11	0%	8%	0	1.44		
1,1-Dichloroethane	10	139	139	7%		0	0	0%	0%	0	0	0.4	
1,1-Dichloroethene	0	118	118	0%	3.2	0	0	0%	0%	0	0		
1,1-Dichloropropene	0	139	139	0%		0	0	0%	0%	0	0		
1,2,3-Trichlorobenzene	0	139	139	0%		0	0	0%	0%	0	0		
1,2,3-Trichloropropane	0	139	139	0%		0	0	0%	0%	0	0		
1,2,4-Trichlorobenzene	0	125	125	0%	0.5	0	1	0%	1%	0	0.8		
1,2,4-Trimethylbenzene	16	139	139	12%		0	0	0%	0%	0	0	26	
1,2-Dibromo-3-chloropropane	0	139	139	0%		0	0	0%	0%	0	0		
1,2-Dichlorobenzene	0	134	134	0%	5.6	0	0	0%	0%	0	0		
1,2-Dichloroethane	16	139	139	12%	59	0	0	0%	0%	0	0	0.12	0.002
1,2-Dichloroethene, cis-	95	118	118	81%		0	0	0%	0%	0	0	0.8	
1,2-Dichloroethene, trans-	13	139	139	9%	1000	0	0	0%	0%	0	0.00E+00	0.029	2.90E-05

Table 7-2
Summary of COPCs, COCs, and ICs in Groundwater and Seeps

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Groundwater Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects (%) - EF of NDs	Exceedance Frequency of Detects > 2x SL (%)	Exceedance Frequency of Non-Detects > 2x SL (%)	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
1,2-Dichloropropane	2	139	139	1%	3.1	2	0	1%	0%	0	0	5.6	1.806
1,3,5-Trimethylbenzene (Mesitylene)	13	139	139	9%		0	0	0%	0%	0	0	12	
1,3-Dichloropropane	0	139	139	0%		0	0	0%	0%	0	0		
1,3-Dichloropropene, cis-	0	118	118	0%		0	0	0%	0%	0	0		
1,3-Dichloropropene, trans-	0	139	139	0%		0	0	0%	0%	0	0		
1,4-Dichloro-2-butene, trans-	0	103	103	0%		0	0	0%	0%	0	0		
1,4-Dichlorobenzene	5	134	134	4%	4.8	0	0	0%	0%	0	0	0.22	0.046
2,2-Dichloropropane	0	139	139	0%		0	0	0%	0%	0	0		
2-Chloroethylvinyl ether	0	103	103	0%		0	0	0%	0%	0	0		
2-Chlorotoluene	0	139	139	0%		0	0	0%	0%	0	0		
2-Hexanone (Methyl butyl ketone)	0	139	139	0%		0	0	0%	0%	0	0		
4-Chlorotoluene	0	139	139	0%		0	0	0%	0%	0	0		
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0	139	139	0%		0	0	0%	0%	0	0		
Acetone	23	139	139	17%		0	0	0%	0%	0	0	8	
Acrolein	0	103	103	0%	5	0	11	0%	11%	0	10.68		
Acrylonitrile	31	103	103	30%	0.05	23	1	22%	1%	18.5	1.0	1.1	22.0
Benzene	76	139	139	55%	1.6	9	0	6%	0%	6.5	0.0	210	131
Bromobenzene	0	139	139	0%		0	0	0%	0%	0	0		
Bromochloromethane	0	139	139	0%		0	0	0%	0%	0	0		
Bromodichloromethane	0	139	139	0%	2.8	0	0	0%	0%	0	0		
Bromoform (Tribromomethane)	0	139	139	0%	12	0	0	0%	0%	0	0		
Bromomethane (Methyl bromide)	0	139	139	0%	265	0	0	0%	0%	0	0		
Carbon disulfide	3	139	139	2%		0	0	0%	0%	0	0	0.6	
Carbon tetrachloride (Tetrachloromethane)	0	139	139	0%	0.35	0	12	0%	9%	0	7.91		
Chlorobenzene	12	103	103	12%	200	0	0	0%	0%	0	0	4.8	0.024
Chloroethane	0	139	139	0%		0	0	0%	0%	0	0		
Chloroform	5	139	139	4%	15	0	0	0%	0%	0	0	0.41	0.03
Chloromethane	2	139	139	1%		0	0	0%	0%	0	0	0.16	
Cymene, p- (4-Isopropyltoluene)	2	139	139	1%		0	0	0%	0%	0	0	0.11	
Dibromochloromethane	0	139	139	0%	2.2	0	0	0%	0%	0	0		
Dibromomethane	0	139	139	0%		0	0	0%	0%	0	0		
Dichlorodifluoromethane	0	139	139	0%		0	0	0%	0%	0	0		
Dichloromethane (Methylene chloride)	17	139	139	12%	100	0	0	0%	0%	0	0	1.1	0.011
Ethyl bromide (Bromoethane)	0	103	103	0%		0	0	0%	0%	0	0		
Ethylbenzene	13	139	139	9%	31	0	0	0%	0%	0	0	11	0.35
Ethylene dibromide (1,2-Dibromoethane)	0	139	139	0%		0	0	0%	0%	0	0		
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0	79	79	0%	0.1	0	79	0%	100%	0	100		
Isopropylbenzene (Cumene)	22	139	139	16%		0	0	0%	0%	0	0	28	
m,p-Xylene	17	139	139	12%		0	0	0%	0%	0	0	7.1	
Methyl ethyl ketone (2-Butanone)	1	139	139	1%		0	0	0%	0%	0	0	2	
Methyl iodide (Iodomethane)	0	103	103	0%		0	0	0%	0%	0	0		
Methyl tert-butyl ether (MTBE)	0	139	139	0%		0	0	0%	0%	0	0		
n-Butylbenzene	10	139	139	7%		0	0	0%	0%	0	0	14	
n-Propylbenzene	21	139	139	15%		0	0	0%	0%	0	0	110	
Naphthalene	16	33	33	48%	81	0	0	0%	0%	0	0	28	0.35
o-Xylene	20	139	139	14%		0	0	0%	0%	0	0	3.7	
sec-Butylbenzene	21	139	139	15%		0	0	0%	0%	0	0	8.5	
Styrene	1	139	139	1%		0	0	0%	0%	0	0	0.4	
tert-Butylbenzene	6	139	139	4%		0	0	0%	0%	0	0	1.1	
Tetrachloroethene (PCE)	24	139	139	17%	2.9	0	0	0%	0%	0	0	0.4	0.14
Toluene	33	139	139	24%	130	0	0	0%	0%	0	0	14	0.11
Trichloroethene (TCE)	43	139	139	31%	0.7	0	0	0%	0%	0	0	0.16	0.23

Table 7-2
Summary of COPCs, COCs, and ICs in Groundwater and Seeps

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Groundwater Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects (%) - EF of NDs	Exceedance Frequency of Detects > 2x SL (%)	Exceedance Frequency of Non-Detects > 2x SL (%)	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
Trichlorofluoromethane (Fluorotrichloromethane)	0	139	139	0%		0	0	0%	0%	0	0		
Vinyl acetate	0	103	103	0%		0	0	0%	0%	0	0		
Vinyl chloride	74	139	139	53%	0.18	26	27	19%	19%	7.2	0.7	0.9	5.0
Semivolatile Organics (µg/L)													
1,2,4-Trichlorobenzene	0	38	38	0%	0.5	0	38	0%	100%	0	0		
1,2-Dichlorobenzene	0	29	29	0%	5.6	0	0	0%	0%	0	0		
1,3-Dichlorobenzene	1	140	140	1%	2	0	0	0%	0%	0	0	0.3	0.15
1,4-Dichlorobenzene	0	29	29	0%	4.8	0	0	0%	0%	0	0		
2,2'-Oxybis (1-chloropropane)	0	104	104	0%	10.3	0	0	0%	0%	0	0		
2,3,4,6-Tetrachlorophenol	0	104	104	0%		0	0	0%	0%	0	0		
2,4,5-Trichlorophenol	0	104	104	0%	600	0	0	0%	0%	0	0		
2,4,6-Trichlorophenol	0	104	104	0%	3	0	0	0%	0%	0	0		
2,4-Dichlorophenol	0	104	104	0%	10	0	0	0%	0%	0	0		
2,4-Dimethylphenol	0	127	127	0%	6.3	0	0	0%	0%	0	0		
2,4-Dinitrophenol	0	104	104	0%	100	0	0	0%	0%	0	0		
2,4-Dinitrotoluene	0	104	104	0%	3	0	0	0%	0%	0	0		
2,6-Dinitrotoluene	0	104	104	0%		0	0	0%	0%	0	0		
2-Chloronaphthalene	0	104	104	0%	100	0	0	0%	0%	0	0		
2-Chlorophenol	0	104	104	0%	17	0	0	0%	0%	0	0		
2-Methylphenol (o-Cresol)	0	127	127	0%	27	0	0	0%	0%	0	0		
2-Nitroaniline	0	104	104	0%		0	0	0%	0%	0	0		
2-Nitrophenol	0	104	104	0%		0	0	0%	0%	0	0		
3,3'-Dichlorobenzidine	0	104	104	0%	5	0	0	0%	0%	0	0		
3-Nitroaniline	0	104	104	0%		0	0	0%	0%	0	0		
4-Bromophenyl-phenyl ether	0	104	104	0%		0	0	0%	0%	0	0		
4-Chloro-3-methylphenol	0	104	104	0%	36	0	0	0%	0%	0	0		
4-Chloroaniline	0	104	104	0%		0	0	0%	0%	0	0		
4-Chlorophenyl phenyl ether	0	104	104	0%		0	0	0%	0%	0	0		
4-Methylphenol (p-Cresol)	1	127	127	1%		0	0	0%	0%	0	0	2.2	
4-Nitroaniline	0	104	104	0%		0	0	0%	0%	0	0		
4-Nitrophenol	0	104	104	0%		0	0	0%	0%	0	0		
Benzoic acid	1	127	127	1%	1058	0	0	0%	0%	0	0	18	0.02
Benzyl alcohol	0	127	127	0%		0	0	0%	0%	0	0		
bis(2-Chloroethoxy)methane	0	104	104	0%		0	0	0%	0%	0	0		
bis(2-Chloroethyl)ether	0	104	104	0%	1	0	0	0%	0%	0	0		
bis(2-Ethylhexyl)phthalate	3	127	127	2%	3	3	0	2%	0%	0.79	0	23	7.67
Butylbenzyl phthalate	0	127	127	0%	1	0	0	0%	0%	0	0		
Di-n-butyl phthalate	0	127	127	0%	8	0	0	0%	0%	0	0		
Di-n-octyl phthalate	0	127	127	0%	1	0	0	0%	0%	0	0		
Diethyl phthalate	2	127	127	2%	200	0	0	0%	0%	0	0	0.6	0.003
Dimethyl phthalate	0	127	127	0%	600	0	0	0%	0%	0	0		
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	0	104	104	0%	10	0	0	0%	0%	0	0		
Hexachlorobenzene	0	83	83	0%	0.1	0	83	0%	100%	0	100		
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0	28	28	0%	0.1	0	28	0%	100%	0	100		
Hexachlorocyclopentadiene	0	104	104	0%	5	0	0	0%	0%	0	0		
Hexachloroethane	0	127	127	0%	2	0	0	0%	0%	0	0		
Isophorone	0	104	104	0%	110	0	0	0%	0%	0	0		
n-Nitrosodi-n-propylamine	0	104	104	0%	1	0	0	0%	0%	0	0		
n-Nitrosodiphenylamine	0	127	127	0%	1	0	0	0%	0%	0	0		
Nitrobenzene	0	104	104	0%	100	0	0	0%	0%	0	0		
Pentachlorophenol	0	127	127	0%	10	0	0	0%	0%	0	0		
Phenol	11	127	127	9%	365	0	0	0%	0%	0	0	6.4	0.02

Table 7-2
Summary of COPCs, COCs, and ICs in Groundwater and Seeps

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Groundwater Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects (%) - EF of NDs	Exceedance Frequency of Detects > 2x SL (%)	Exceedance Frequency of Non-Detects > 2x SL (%)	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
Polycyclic Aromatic Hydrocarbons (µg/L)													
1-Methylnaphthalene	53	127	127	42%		0	0	0%	0%	0	0	14	
2-Methylnaphthalene	57	142	142	40%		0	0	0%	0%	0	0	32	
Acenaphthene	87	142	142	61%	3.2	1	0	1%	0%	0	0	4	1.25
Acenaphthylene	41	142	142	29%		0	0	0%	0%	0	0	1.8	
Anthracene	51	142	142	36%	9.4	0	0	0%	0%	0	0	2.6	0.28
Benzo(a)anthracene	17	142	142	12%	0.01	11	0	8%	0%	6.3	0.0	3.4	340
Benzo(a)pyrene	8	142	142	6%	0.01	4	0	3%	0%	1.41	0	3.5	350
Benzo(b)fluoranthene	9	142	142	6%	0.01	4	0	3%	0%	0.7	0	2	200
Benzo(b,j,k)fluoranthenes	2	76	76	3%		0	0	0%	0%	0	0	0.0064	
Benzo(g,h,i)perylene	13	142	142	9%		0	0	0%	0%	0	0	1.9	
Benzo(k)fluoranthene	6	142	142	4%	0.01	3	0	2%	0%	1.41	0	2.2	220
Carbazole	0	104	104	0%		0	0	0%	0%	0	0		
Chrysene	32	142	142	23%	0.016	12	0	8%	0%	5.6	0.0	5.0	313
Dibenzo(a,h)anthracene	6	142	142	4%	0.01	5	0	4%	0%	0.7	0	0.65	65
Dibenzofuran	64	142	142	45%		0	0	0%	0%	0	0	0.44	
Fluoranthene	65	142	142	46%	3.3	1	0	1%	0%	0.7	0	8.5	2.6
Fluorene	72	142	142	51%	3	1	0	1%	0%	0	0	3.3	1.1
Indeno(1,2,3-c,d)pyrene	7	142	142	5%	0.01	5	1	4%	1%	2.11	0.7	1.5	150
Naphthalene	106	142	142	75%	81	0	0	0%	0%	0	0	10	0.1
Phenanthrene	69	142	142	49%		0	0	0%	0%	0	0	5.6	
Pyrene	79	141	141	56%	8	1	0	1%	0%	0	0	11	1.375
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	32	142	142	23%	0.02	4	0	3%	0%	0.7	0	4.53	226
Pesticides (µg/L)													
4,4'-DDD (p,p'-DDD)	0	59	59	0%	0.1	0	0	0%	0%	0	0		
4,4'-DDE (p,p'-DDE)	0	59	59	0%	0.1	0	0	0%	0%	0	0		
4,4'-DDT (p,p'-DDT)	0	59	59	0%	0.1	0	0	0%	0%	0	0		
Aldrin	0	59	59	0%	0.05	0	0	0%	0%	0	0		
Chlordane, alpha- (Chlordane, cis-)	0	59	59	0%		0	0	0%	0%	0	0		
Chlordane, beta- (Chlordane, trans-)	1	44	44	2%		0	0	0%	0%	0	0	0.011	
Chlordane, gamma-	0	15	15	0%		0	0	0%	0%	0	0		
Dieldrin	0	59	59	0%	0.1	0	0	0%	0%	0	0		
Endosulfan sulfate	0	59	59	0%	10	0	0	0%	0%	0	0		
Endosulfan, alpha- (I)	0	59	59	0%	0.05	0	0	0%	0%	0	0		
Endosulfan, beta (II)	0	59	59	0%	0.1	0	0	0%	0%	0	0		
Endrin	0	59	59	0%	0.1	0	0	0%	0%	0	0		
Endrin aldehyde	0	59	59	0%	0.1	0	0	0%	0%	0	0		
Endrin ketone	0	59	59	0%		0	0	0%	0%	0	0		
Heptachlor	0	59	59	0%	0.05	0	0	0%	0%	0	0		
Heptachlor epoxide	0	59	59	0%	0.05	0	0	0%	0%	0	0		
Hexachlorobenzene	0	59	59	0%	0.1	0	0	0%	0%	0	0		
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0	54	54	0%	0.1	0	0	0%	0%	0	0		
Hexachlorocyclohexane (BHC), alpha-	0	59	59	0%	0.05	0	0	0%	0%	0	0		
Hexachlorocyclohexane (BHC), beta-	0	59	59	0%	0.05	0	0	0%	0%	0	0		
Hexachlorocyclohexane (BHC), delta-	0	59	59	0%		0	0	0%	0%	0	0		
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0	59	59	0%	0.05	0	0	0%	0%	0	0		
Methoxychlor	0	59	59	0%		0	0	0%	0%	0	0		
Toxaphene	0	59	59	0%	0.05	0	59	0%	100%	0	100		
Total Chlordane (alpha, beta, gamma) (U = 1/2)	1	59	59	2%	0.5	0	0	0%	0%	0	0	0.04	0.07
Total Chlordane (alpha, beta, gamma) (U = 0)	1	59	59	2%	0.5	0	0	0%	0%	0	0	0.01	0.02

Table 7-2
Summary of COPCs, COCs, and ICs in Groundwater and Seeps

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Groundwater Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects (%) - EF of NDs	Exceedance Frequency of Detects > 2x SL (%)	Exceedance Frequency of Non-Detects > 2x SL (%)	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
Dioxin Furans (ng/L)													
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	6	57	57	11%	0.01	0	0	0%	0%	0	0	0.00196	0.196
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	11	57	57	19%		0	0	0%	0%	0	0	0.0015	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	10	57	57	18%		0	0	0%	0%	0	0	0.00226	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	16	57	57	28%		0	0	0%	0%	0	0	0.0029	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	12	57	57	21%		0	0	0%	0%	0	0	0.00454	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	25	57	57	44%		0	0	0%	0%	0	0	0.0716	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	18	57	57	32%		0	0	0%	0%	0	0	0.682	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	20	57	57	35%		0	0	0%	0%	0	0	0.00552	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	29	57	57	51%		0	0	0%	0%	0	0	0.0318	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	39	57	57	68%		0	0	0%	0%	0	0	0.0976	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	48	57	57	84%		0	0	0%	0%	0	0	0.227	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	5	57	57	9%		0	0	0%	0%	0	0	0.00236	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	26	57	57	46%		0	0	0%	0%	0	0	0.00216	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	13	57	57	23%		0	0	0%	0%	0	0	0.00228	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	23	57	57	40%		0	0	0%	0%	0	0	0.0109	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	16	57	57	28%		0	0	0%	0%	0	0	0.0023	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	5	57	57	9%		0	0	0%	0%	0	0	0.00164	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	19	57	57	33%		0	0	0%	0%	0	0	0.0025	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	24	57	57	42%		0	0	0%	0%	0	0	0.0245	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	8	57	57	14%		0	0	0%	0%	0	0	0.00459	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	18	57	57	32%		0	0	0%	0%	0	0	0.0402	
Total Tetrachlorodibenzofuran (TCDF)	18	57	57	32%		0	0	0%	0%	0	0	0.0582	
Total Pentachlorodibenzofuran (PeCDF)	35	57	57	61%		0	0	0%	0%	0	0	0.0327	
Total Hexachlorodibenzofuran (HxCDF)	37	57	57	65%		0	0	0%	0%	0	0	0.0691	
Total Heptachlorodibenzofuran (HpCDF)	45	57	57	79%		0	0	0%	0%	0	0	0.0961	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	54	57	57	95%	0.01	0	0	0%	0%	0	0	0.005	0.49
PCB Aroclors (µg/L)													
Aroclor 1016	0	68	68	0%	0.01	0	15	0%	22%	0	0		
Aroclor 1221	0	68	68	0%		0	0	0%	0%	0	0		
Aroclor 1232	0	68	68	0%		0	0	0%	0%	0	0		
Aroclor 1242	0	68	68	0%		0	0	0%	0%	0	0		
Aroclor 1248	0	68	68	0%		0	0	0%	0%	0	0		
Aroclor 1254	0	68	68	0%	0.01	0	15	0%	22%	0	0		
Aroclor 1260	1	68	68	1%	0.03	0	0	0%	0%	0	0	0.014	0.47
Total PCB Aroclors (U = 0)	1	68	68	1%	0.025	0	4	0%	6%	0	2.94	0.014	0.56
Total Petroleum Hydrocarbons (mg/L)													
Diesel range hydrocarbons	16	114	114	14%	0.5	5	0	4%	0%	2.63	0	3.2	6.4
Gasoline range hydrocarbons	10	114	114	9%	0.8	2	0	2%	0%	1.75	0	2.2	2.75
Motor oil range hydrocarbons	16	114	114	14%	0.5	0	0	0%	0%	0	0	0.44	0.88
Total Diesel and Motor Oil (U = 0)	30	114	114	26%	0.5	5	0	4%	0%	2.63	0	3.2	6.4

Table 7-2
Summary of COPCs, COCs, and ICs in Groundwater and Seeps

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
Metals (µg/L)								
Antimony	Yes							
Arsenic	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Barium								
Beryllium								
Cadmium	Yes							
Chromium	Yes							
Chromium VI	Yes	Yes	Yes	Yes	Yes			
Copper	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lead	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Mercury	Yes	Yes	Yes					
Nickel	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Selenium	Yes	Yes	Yes	Yes				
Silver	Yes	Yes	Yes					
Thallium								
Zinc	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Metals, Dissolved (µg/L)								
Antimony	Yes							
Arsenic	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Barium								
Beryllium								
Cadmium	Yes							
Chromium	Yes							
Chromium VI	Yes							
Copper	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Lead	Yes	Yes	Yes					
Mercury	Yes							
Nickel	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Selenium	Yes							
Silver	Yes	Yes	Yes					
Thallium								
Zinc	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Organometallic Compounds (µg/L)								
Tributyltin (ion)	Yes							
Volatile Organics (µg/L)								
1,1,1,2-Tetrachloroethane								
1,1,1-Trichloroethane	Yes							
1,1,2,2-Tetrachloroethane	Yes	Yes	Yes	Yes				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)								
1,1,2-Trichloroethane	Yes	Yes	Yes					
1,1-Dichloroethane								
1,1-Dichloroethene	Yes							
1,1-Dichloropropene								
1,2,3-Trichlorobenzene								
1,2,3-Trichloropropane								
1,2,4-Trichlorobenzene	Yes	Yes	Yes					
1,2,4-Trimethylbenzene								
1,2-Dibromo-3-chloropropane								
1,2-Dichlorobenzene	Yes							
1,2-Dichloroethane	Yes							
1,2-Dichloroethene, cis-								
1,2-Dichloroethene, trans-	Yes							

Table 7-2
Summary of COPCs, COCs, and ICs in Groundwater and Seeps

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
1,2-Dichloropropane	Yes	Yes	Yes					
1,3,5-Trimethylbenzene (Mesitylene)								
1,3-Dichloropropane								
1,3-Dichloropropene, cis-								
1,3-Dichloropropene, trans-								
1,4-Dichloro-2-butene, trans-								
1,4-Dichlorobenzene	Yes							
2,2-Dichloropropane								
2-Chloroethylvinyl ether								
2-Chlorotoluene								
2-Hexanone (Methyl butyl ketone)								
4-Chlorotoluene								
4-Methyl-2-pentanone (Methyl isobutyl ketone)								
Acetone								
Acrolein	Yes	Yes	Yes					
Acrylonitrile	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Benzene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Bromobenzene								
Bromochloromethane								
Bromodichloromethane	Yes							
Bromoform (Tribromomethane)	Yes							
Bromomethane (Methyl bromide)	Yes							
Carbon disulfide								
Carbon tetrachloride (Tetrachloromethane)	Yes	Yes	Yes					
Chlorobenzene	Yes							
Chloroethane								
Chloroform	Yes							
Chloromethane								
Cymene, p- (4-Isopropyltoluene)								
Dibromochloromethane	Yes							
Dibromomethane								
Dichlorodifluoromethane								
Dichloromethane (Methylene chloride)	Yes							
Ethyl bromide (Bromoethane)								
Ethylbenzene	Yes							
Ethylene dibromide (1,2-Dibromoethane)								
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	Yes	Yes	Yes					
Isopropylbenzene (Cumene)								
m,p-Xylene								
Methyl ethyl ketone (2-Butanone)								
Methyl iodide (Iodomethane)								
Methyl tert-butyl ether (MTBE)								
n-Butylbenzene								
n-Propylbenzene								
Naphthalene	Yes							
o-Xylene								
sec-Butylbenzene								
Styrene								
tert-Butylbenzene								
Tetrachloroethene (PCE)	Yes							
Toluene	Yes							
Trichloroethene (TCE)	Yes							

Table 7-2
Summary of COPCs, COCs, and ICs in Groundwater and Seeps

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
Trichlorofluoromethane (Fluorotrichloromethane)								
Vinyl acetate								
Vinyl chloride	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Semivolatile Organics (µg/L)								
1,2,4-Trichlorobenzene	Yes	Yes	Yes					
1,2-Dichlorobenzene	Yes							
1,3-Dichlorobenzene	Yes							
1,4-Dichlorobenzene	Yes							
2,2'-Oxybis (1-chloropropane)	Yes							
2,3,4,6-Tetrachlorophenol								
2,4,5-Trichlorophenol	Yes							
2,4,6-Trichlorophenol	Yes							
2,4-Dichlorophenol	Yes							
2,4-Dimethylphenol	Yes							
2,4-Dinitrophenol	Yes							
2,4-Dinitrotoluene	Yes							
2,6-Dinitrotoluene								
2-Chloronaphthalene	Yes							
2-Chlorophenol	Yes							
2-Methylphenol (o-Cresol)	Yes							
2-Nitroaniline								
2-Nitrophenol								
3,3'-Dichlorobenzidine	Yes							
3-Nitroaniline								
4-Bromophenyl-phenyl ether								
4-Chloro-3-methylphenol	Yes							
4-Chloroaniline								
4-Chlorophenyl phenyl ether								
4-Methylphenol (p-Cresol)								
4-Nitroaniline								
4-Nitrophenol								
Benzoic acid	Yes							
Benzyl alcohol								
bis(2-Chloroethoxy)methane								
bis(2-Chloroethyl)ether	Yes							
bis(2-Ethylhexyl)phthalate	Yes	Yes	Yes			Yes		
Butylbenzyl phthalate	Yes							
Di-n-butyl phthalate	Yes							
Di-n-octyl phthalate	Yes							
Diethyl phthalate	Yes							
Dimethyl phthalate	Yes							
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	Yes							
Hexachlorobenzene	Yes	Yes	Yes					
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	Yes	Yes	Yes					
Hexachlorocyclopentadiene	Yes							
Hexachloroethane	Yes							
Isophorone	Yes							
n-Nitrosodi-n-propylamine	Yes							
n-Nitrosodiphenylamine	Yes							
Nitrobenzene	Yes							
Pentachlorophenol	Yes							
Phenol	Yes							

Table 7-2
Summary of COPCs, COCs, and ICs in Groundwater and Seeps

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
Polycyclic Aromatic Hydrocarbons (µg/L)								
1-Methylnaphthalene								
2-Methylnaphthalene								
Acenaphthene	Yes	Yes	Yes	Yes				
Acenaphthylene								
Anthracene	Yes							
Benzo(a)anthracene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Benzo(a)pyrene	Yes	Yes	Yes	Yes		Yes		
Benzo(b)fluoranthene	Yes	Yes	Yes	Yes		Yes		
Benzo(b,j,k)fluoranthenes								
Benzo(g,h,i)perylene								
Benzo(k)fluoranthene	Yes	Yes	Yes			Yes		
Carbazole								
Chrysene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Dibenzo(a,h)anthracene	Yes	Yes	Yes			Yes		
Dibenzofuran								
Fluoranthene	Yes	Yes	Yes	Yes		Yes		
Fluorene	Yes	Yes	Yes	Yes				
Indeno(1,2,3-c,d)pyrene	Yes	Yes	Yes			Yes		
Naphthalene	Yes							
Phenanthrene								
Pyrene	Yes	Yes	Yes	Yes				
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	Yes	Yes	Yes	Yes		Yes		Yes
Pesticides (µg/L)								
4,4'-DDD (p,p'-DDD)	Yes							
4,4'-DDE (p,p'-DDE)	Yes							
4,4'-DDT (p,p'-DDT)	Yes							
Aldrin	Yes							
Chlordane, alpha- (Chlordane, cis-)								
Chlordane, beta- (Chlordane, trans-)								
Chlordane, gamma-								
Dieldrin	Yes							
Endosulfan sulfate	Yes							
Endosulfan, alpha- (I)	Yes							
Endosulfan, beta (II)	Yes							
Endrin	Yes							
Endrin aldehyde	Yes							
Endrin ketone								
Heptachlor	Yes							
Heptachlor epoxide	Yes							
Hexachlorobenzene	Yes							
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	Yes							
Hexachlorocyclohexane (BHC), alpha-	Yes							
Hexachlorocyclohexane (BHC), beta-	Yes							
Hexachlorocyclohexane (BHC), delta-								
Hexachlorocyclohexane (BHC), gamma- (Lindane)	Yes							
Methoxychlor								
Toxaphene	Yes	Yes	Yes					
Total Chlordane (alpha, beta, gamma) (U = 1/2)	Yes							
Total Chlordane (alpha, beta, gamma) (U = 0)	Yes							

Table 7-2
Summary of COPCs, COCs, and ICs in Groundwater and Seeps

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
Dioxin Furans (ng/L)								
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	Yes							
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)								
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)								
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)								
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)								
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)								
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)								
Total Tetrachlorodibenzo-p-dioxin (TCDD)								
Total Pentachlorodibenzo-p-dioxin (PeCDD)								
Total Hexachlorodibenzo-p-dioxin (HxCDD)								
Total Heptachlorodibenzo-p-dioxin (HpCDD)								
2,3,7,8-Tetrachlorodibenzofuran (TCDF)								
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)								
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)								
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)								
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)								
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)								
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)								
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)								
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)								
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)								
Total Tetrachlorodibenzofuran (TCDF)								
Total Pentachlorodibenzofuran (PeCDF)								
Total Hexachlorodibenzofuran (HxCDF)								
Total Heptachlorodibenzofuran (HpCDF)								
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	Yes							
PCB Aroclors (µg/L)								
Aroclor 1016	Yes	Yes	Yes					
Aroclor 1221								
Aroclor 1232								
Aroclor 1242								
Aroclor 1248								
Aroclor 1254	Yes	Yes	Yes					
Aroclor 1260	Yes							
Total PCB Aroclors (U = 0)	Yes	Yes	Yes					
Total Petroleum Hydrocarbons (mg/L)								
Diesel range hydrocarbons	Yes	Yes	Yes	Yes		Yes		
Gasoline range hydrocarbons	Yes	Yes	Yes	Yes		Yes		
Motor oil range hydrocarbons	Yes							
Total Diesel and Motor Oil (U = 0)	Yes	Yes	Yes	Yes		Yes		

Table 7-2
Summary of COPCs, COCs, and ICs in Groundwater and Seeps

Notes:
µg/L = micrograms per liter
COC = chemical of concern
COPC = chemical of potential concern
cPAH = carcinogenic polycyclic aromatic hydrocarbon
D = detect
EF = exceedance frequency
FOD = frequency of detection
mg/L = milligrams per liter
ND = non-detect
ng/L = nanograms per liter
PCB = polychlorinated biphenyl
SL = screening level
TEQ = Toxics Equivalents Quotient

Table 7-3
Summary of COPCs, COCs and ICs in Surface Sediment

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Sediment Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
Metals (mg/kg)													
Antimony	0	12	12	0%		0	0	0%	0%	0	0		
Arsenic	32	32	32	100%	7	32	0	100%	0%	69	0	5490	784
Beryllium	12	12	12	100%		0	0	0%	0%	0	0	0.5	
Cadmium	31	32	32	97%	5.1	1	0	3%	0%	0	0	10	1.96
Chromium	32	32	32	100%	260	0	0	0%	0%	0	0	177	0.68
Chromium VI	0	32	32	0%		0	0	0%	0%	0	0		
Copper	32	32	32	100%	390	6	0	19%	0%	19	0	3640	9.3
Lead	32	32	32	100%	450	6	0	19%	0%	6.3	0	3660	8.1
Mercury	32	32	32	100%	0.41	6	0	19%	0%	16	0	5	13.2
Nickel	12	12	12	100%		0	0	0%	0%	0	0	28	
Selenium	0	12	12	0%		0	0	0%	0%	0	0		
Silver	4	32	32	13%	6.1	0	0	0%	0%	0	0	5	0.82
Thallium	0	12	12	0%		0	0	0%	0%	0	0		
Zinc	32	32	32	100%	410	6	0	19%	0%	19	0	13000	31.7
Organometallic Compounds (µg/kg)													
Tributyltin (ion)	31	32	32	97%	73	14	0	44%	0%	31	0	4200	57.5
Volatile Organics (mg/kg-OC)													
1,2,4-Trichlorobenzene	0	1	1	0%	0.81	0	0	0%	0%	0	0		
1,2-Dichlorobenzene	0	24	24	0%	2.3	0	0	0%	0%	0	0		
1,4-Dichlorobenzene	0	12	12	0%	3.1	0	0	0%	0%	0	0		
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	1	7	7	14%	3.9	0	0	0%	0%	0	0	0.39	0.10
Volatile Organics (µg/kg)													
1,1,1,2-Tetrachloroethane	0	20	20	0%		0	0	0%	0%	0	0		
1,1,1-Trichloroethane	0	32	32	0%		0	0	0%	0%	0	0		
1,1,2,2-Tetrachloroethane	0	20	20	0%		0	0	0%	0%	0	0		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0	20	20	0%		0	0	0%	0%	0	0		
1,1,2-Trichloroethane	0	32	32	0%		0	0	0%	0%	0	0		
1,1-Dichloroethane	0	32	32	0%		0	0	0%	0%	0	0		
1,1-Dichloroethene	0	32	32	0%		0	0	0%	0%	0	0		
1,1-Dichloropropene	0	20	20	0%		0	0	0%	0%	0	0		
1,2,3-Trichlorobenzene	0	20	20	0%		0	0	0%	0%	0	0		
1,2,3-Trichloropropane	0	20	20	0%		0	0	0%	0%	0	0		
1,2,4-Trichlorobenzene	0	1	1	0%		0	0	0%	0%	0	0		
1,2,4-Trimethylbenzene	1	20	20	5%		0	0	0%	0%	0	0	550	
1,2-Dibromo-3-chloropropane	0	20	20	0%		0	0	0%	0%	0	0		
1,2-Dichlorobenzene	0	24	24	0%		0	0	0%	0%	0	0		
1,2-Dichloroethane	0	32	32	0%		0	0	0%	0%	0	0		
1,2-Dichloroethene, cis-	0	20	20	0%		0	0	0%	0%	0	0		
1,2-Dichloroethene, trans-	0	20	20	0%		0	0	0%	0%	0	0		
1,2-Dichloropropane	0	20	20	0%		0	0	0%	0%	0	0		
1,3,5-Trimethylbenzene (Mesitylene)	1	32	32	3%		0	0	0%	0%	0	0	390	
1,3-Dichloropropane	0	20	20	0%		0	0	0%	0%	0	0		
1,3-Dichloropropene, cis-	0	20	20	0%		0	0	0%	0%	0	0		
1,3-Dichloropropene, trans-	0	20	20	0%		0	0	0%	0%	0	0		
1,4-Dichloro-2-butene, trans-	0	20	20	0%		0	0	0%	0%	0	0		
1,4-Dichlorobenzene	0	12	12	0%		0	0	0%	0%	0	0		
2,2-Dichloropropane	0	20	20	0%		0	0	0%	0%	0	0		
2-Chloroethylvinyl ether	0	20	20	0%		0	0	0%	0%	0	0		

Table 7-3
Summary of COPCs, COCs and ICs in Surface Sediment

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Sediment Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
2-Chlorotoluene	0	20	20	0%		0	0	0%	0%	0	0		
2-Hexanone (Methyl butyl ketone)	0	20	20	0%		0	0	0%	0%	0	0		
4-Chlorotoluene	0	20	20	0%		0	0	0%	0%	0	0		
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0	20	20	0%		0	0	0%	0%	0	0		
Acetone	30	32	32	94%		0	0	0%	0%	0	0	140	
Acrolein	0	20	20	0%		0	0	0%	0%	0	0		
Acrylonitrile	0	20	20	0%		0	0	0%	0%	0	0		
Benzene	5	32	32	16%		0	0	0%	0%	0	0	1.1	
Bromobenzene	0	20	20	0%		0	0	0%	0%	0	0		
Bromochloromethane	0	20	20	0%		0	0	0%	0%	0	0		
Bromodichloromethane	0	20	20	0%		0	0	0%	0%	0	0		
Bromoform (Tribromomethane)	0	20	20	0%		0	0	0%	0%	0	0		
Bromomethane (Methyl bromide)	4	20	20	20%		0	0	0%	0%	0	0	2.1	
Carbon disulfide	15	20	20	75%		0	0	0%	0%	0	0	42	
Carbon tetrachloride (Tetrachloromethane)	0	32	32	0%		0	0	0%	0%	0	0		
Chlorobenzene	0	32	32	0%		0	0	0%	0%	0	0		
Chloroethane	3	32	32	9%		0	0	0%	0%	0	0	1.1	
Chloroform	0	32	32	0%		0	0	0%	0%	0	0		
Chloromethane	3	32	32	9%		0	0	0%	0%	0	0	2.9	
Cymene, p- (4-Isopropyltoluene)	2	20	20	10%		0	0	0%	0%	0	0	73	
Dibromochloromethane	0	20	20	0%		0	0	0%	0%	0	0		
Dibromomethane	0	20	20	0%		0	0	0%	0%	0	0		
Dichlorodifluoromethane	0	20	20	0%		0	0	0%	0%	0	0		
Dichloromethane (Methylene chloride)	1	32	32	3%		0	0	0%	0%	0	0	4.1	
Ethyl bromide (Bromoethane)	2	20	20	10%		0	0	0%	0%	0	0	1.4	
Ethylbenzene	9	32	32	28%		0	0	0%	0%	0	0	49	
Ethylene dibromide (1,2-Dibromoethane)	0	20	20	0%		0	0	0%	0%	0	0		
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	1	7	7	14%		0	0	0%	0%	0	0	11	
Isopropylbenzene (Cumene)	1	20	20	5%		0	0	0%	0%	0	0	37	
m,p-Xylene	7	32	32	22%		0	0	0%	0%	0	0	250	
Methyl ethyl ketone (2-Butanone)	17	20	20	85%		0	0	0%	0%	0	0	34	
Methyl iodide (Iodomethane)	3	20	20	15%		0	0	0%	0%	0	0	4.3	
Methyl tert-butyl ether (MTBE)	0	20	20	0%		0	0	0%	0%	0	0		
n-Butylbenzene	0	20	20	0%		0	0	0%	0%	0	0		
n-Propylbenzene	0	20	20	0%		0	0	0%	0%	0	0		
o-Xylene	15	32	32	47%		0	0	0%	0%	0	0	310	
sec-Butylbenzene	0	20	20	0%		0	0	0%	0%	0	0		
Styrene	0	32	32	0%		0	0	0%	0%	0	0		
tert-Butylbenzene	0	20	20	0%		0	0	0%	0%	0	0		
Tetrachloroethene (PCE)	0	32	32	0%		0	0	0%	0%	0	0		
Toluene	20	32	32	63%		0	0	0%	0%	0	0	36	
Trichloroethene (TCE)	0	32	32	0%		0	0	0%	0%	0	0		
Trichlorofluoromethane (Fluorotrichloromethane)	0	20	20	0%		0	0	0%	0%	0	0		
Vinyl acetate	0	20	20	0%		0	0	0%	0%	0	0		
Vinyl chloride	0	32	32	0%		0	0	0%	0%	0	0		
Semivolatile Organics (mg/kg-OC)													
1,2,4-Trichlorobenzene	1	31	31	3%	0.81	0	1	0%	3%	0	3.23	0.391	0.48
1,2-Dichlorobenzene	3	8	8	38%	2.3	0	0	0%	0%	0	0	0.427	0.19
1,3-Dichlorobenzene	1	32	32	3%		0	0	0%	0%	0	0	0.391	

Table 7-3
Summary of COPCs, COCs and ICs in Surface Sediment

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Sediment Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
1,4-Dichlorobenzene	14	20	20	70%	3.1	0	0	0%	0%	0	0	0.498	0.16
2,2'-Oxybis (1-chloropropane)	0	20	20	0%		0	0	0%	0%	0	0		
2,3,4,6-Tetrachlorophenol	2	20	20	10%		0	0	0%	0%	0	0	6.191	
2,4,5-Trichlorophenol	1	20	20	5%		0	0	0%	0%	0	0	1.352	
2,4,6-Trichlorophenol	1	20	20	5%		0	0	0%	0%	0	0	1.423	
2,4-Dichlorophenol	0	20	20	0%		0	0	0%	0%	0	0		
2,4-Dimethylphenol	1	32	32	3%		0	0	0%	0%	0	0	1.21	
2,4-Dinitrophenol	0	20	20	0%		0	0	0%	0%	0	0		
2,4-Dinitrotoluene	0	20	20	0%		0	0	0%	0%	0	0		
2,6-Dinitrotoluene	0	20	20	0%		0	0	0%	0%	0	0		
2-Chloronaphthalene	0	20	20	0%		0	0	0%	0%	0	0		
2-Chlorophenol	0	20	20	0%		0	0	0%	0%	0	0		
2-Methylphenol (o-Cresol)	16	32	32	50%		0	0	0%	0%	0	0	0.667	
2-Nitroaniline	0	20	20	0%		0	0	0%	0%	0	0		
2-Nitrophenol	0	20	20	0%		0	0	0%	0%	0	0		
3,3'-Dichlorobenzidine	0	20	20	0%		0	0	0%	0%	0	0		
3-Nitroaniline	0	20	20	0%		0	0	0%	0%	0	0		
4-Bromophenyl-phenyl ether	0	20	20	0%		0	0	0%	0%	0	0		
4-Chloro-3-methylphenol	0	20	20	0%		0	0	0%	0%	0	0		
4-Chloroaniline	0	20	20	0%		0	0	0%	0%	0	0		
4-Chlorophenyl phenyl ether	0	20	20	0%		0	0	0%	0%	0	0		
4-Methylphenol (p-Cresol)	32	32	32	100%		0	0	0%	0%	0	0	16.5	
4-Nitroaniline	0	20	20	0%		0	0	0%	0%	0	0		
4-Nitrophenol	0	20	20	0%		0	0	0%	0%	0	0		
Benzoic acid	32	32	32	100%		0	0	0%	0%	0	0	61.9	
Benzyl alcohol	30	32	32	94%		0	0	0%	0%	0	0	15.7	
bis(2-Chloroethoxy)methane	0	20	20	0%		0	0	0%	0%	0	0		
bis(2-Chloroethyl)ether	0	20	20	0%		0	0	0%	0%	0	0		
bis(2-Ethylhexyl)phthalate	32	32	32	100%	47	2	0	6%	0%	3.1	0	99	2.1
Butylbenzyl phthalate	27	32	32	84%	4.9	0	0	0%	0%	0	0	4.2	0.9
Di-n-butyl phthalate	19	32	32	59%	220	0	0	0%	0%	0	0	38.8	0.2
Di-n-octyl phthalate	3	32	32	9%	58	0	0	0%	0%	0	0	1.2	0.02
Diethyl phthalate	7	32	32	22%	61	0	0	0%	0%	0	0	2.6	0.04
Dimethyl phthalate	17	32	32	53%	53	0	0	0%	0%	0	0	0.9	0.02
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	1	20	20	5%		0	0	0%	0%	0	0	2.6	
Hexachlorobenzene	1	4	4	25%	0.38	1	0	25%	0%	0	0	0.5	1.4
Hexachlorocyclopentadiene	0	20	20	0%		0	0	0%	0%	0	0		
Hexachloroethane	0	32	32	0%		0	0	0%	0%	0	0		
Isophorone	1	20	20	5%		0	0	0%	0%	0	0	0.5	
n-Nitrosodi-n-propylamine	0	20	20	0%		0	0	0%	0%	0	0		
n-Nitrosodiphenylamine	2	32	32	6%	11	0	0	0%	0%	0	0	3.4	0.3
Nitrobenzene	0	20	20	0%		0	0	0%	0%	0	0		
Pentachlorophenol	10	32	32	31%		0	0	0%	0%	0	0	161.5	
Phenol	31	32	32	97%		0	0	0%	0%	0	0	20.2	
Semivolatile Organics (µg/kg)													
1,2,4-Trichlorobenzene	1	31	31	3%		0	0	0%	0%	0	0	11	
1,2-Dichlorobenzene	3	8	8	38%		0	0	0%	0%	0	0	12	
1,3-Dichlorobenzene	1	32	32	3%		0	0	0%	0%	0	0	11	
1,4-Dichlorobenzene	14	20	20	70%		0	0	0%	0%	0	0	14	

Table 7-3
Summary of COPCs, COCs and ICs in Surface Sediment

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Sediment Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
2,2'-Oxybis (1-chloropropane)	0	20	20	0%		0	0	0%	0%	0	0		
2,3,4,6-Tetrachlorophenol	2	20	20	10%		0	0	0%	0%	0	0	46	
2,4,5-Trichlorophenol	1	20	20	5%		0	0	0%	0%	0	0	38	
2,4,6-Trichlorophenol	1	20	20	5%		0	0	0%	0%	0	0	40	
2,4-Dichlorophenol	0	20	20	0%		0	0	0%	0%	0	0		
2,4-Dimethylphenol	1	32	32	3%	29	1	2	3%	6%	0	6.25	34	1.2
2,4-Dinitrophenol	0	20	20	0%		0	0	0%	0%	0	0		
2,4-Dinitrotoluene	0	20	20	0%		0	0	0%	0%	0	0		
2,6-Dinitrotoluene	0	20	20	0%		0	0	0%	0%	0	0		
2-Chloronaphthalene	0	20	20	0%		0	0	0%	0%	0	0		
2-Chlorophenol	0	20	20	0%		0	0	0%	0%	0	0		
2-Methylphenol (o-Cresol)	16	32	32	50%	63	0	0	0%	0%	0	0	17	0.3
2-Nitroaniline	0	20	20	0%		0	0	0%	0%	0	0		
2-Nitrophenol	0	20	20	0%		0	0	0%	0%	0	0		
3,3'-Dichlorobenzidine	0	20	20	0%		0	0	0%	0%	0	0		
3-Nitroaniline	0	20	20	0%		0	0	0%	0%	0	0		
4-Bromophenyl-phenyl ether	0	20	20	0%		0	0	0%	0%	0	0		
4-Chloro-3-methylphenol	0	20	20	0%		0	0	0%	0%	0	0		
4-Chloroaniline	0	20	20	0%		0	0	0%	0%	0	0		
4-Chlorophenyl phenyl ether	0	20	20	0%		0	0	0%	0%	0	0		
4-Methylphenol (p-Cresol)	32	32	32	100%	270	4	0	13%	0%	0	0	420	1.6
4-Nitroaniline	0	20	20	0%		0	0	0%	0%	0	0		
4-Nitrophenol	0	20	20	0%		0	0	0%	0%	0	0		
Benzoic acid	32	32	32	100%	650	1	0	3%	0%	0	0	690	1.1
Benzyl alcohol	30	32	32	94%	57	27	1	84%	3%	69	0	400	7.0
bis(2-Chloroethoxy)methane	0	20	20	0%		0	0	0%	0%	0	0		
bis(2-Chloroethyl)ether	0	20	20	0%		0	0	0%	0%	0	0		
bis(2-Ethylhexyl)phthalate	32	32	32	100%		0	0	0%	0%	0	0	1800	
Butylbenzyl phthalate	27	32	32	84%		0	0	0%	0%	0	0	100	
Di-n-butyl phthalate	19	32	32	59%		0	0	0%	0%	0	0	1200	
Di-n-octyl phthalate	3	32	32	9%		0	0	0%	0%	0	0	35	
Diethyl phthalate	7	32	32	22%		0	0	0%	0%	0	0	78	
Dimethyl phthalate	17	32	32	53%		0	0	0%	0%	0	0	26	
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	1	20	20	5%		0	0	0%	0%	0	0	73	
Hexachlorobenzene	1	4	4	25%		0	0	0%	0%	0	0	15	
Hexachlorocyclopentadiene	0	20	20	0%		0	0	0%	0%	0	0		
Hexachloroethane	0	32	32	0%		0	0	0%	0%	0	0		
Isophorone	1	20	20	5%		0	0	0%	0%	0	0	14	
n-Nitrosodi-n-propylamine	0	20	20	0%		0	0	0%	0%	0	0		
n-Nitrosodiphenylamine	2	32	32	6%		0	0	0%	0%	0	0	25	
Nitrobenzene	0	20	20	0%		0	0	0%	0%	0	0		
Pentachlorophenol	10	32	32	31%	360	1	0	3%	0%	3.13	0	1200	3.3
Phenol	31	32	32	97%	420	0	0	0%	0%	0	0	310	0.7
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)													
1-Methylnaphthalene	28	32	32	88%		0	0	0%	0%	0	0	15.5	
2-Methylnaphthalene	28	32	32	88%	38	0	0	0%	0%	0	0	32.4	0.9
Acenaphthene	30	32	32	94%	16	3	0	9%	0%	3.1	0	120	7.5
Acenaphthylene	23	32	32	72%	66	0	0	0%	0%	0	0	21.5	0.3
Anthracene	32	32	32	100%	220	1	0	3%	0%	0	0	350	1.5906

Table 7-3
Summary of COPCs, COCs and ICs in Surface Sediment

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Sediment Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
Benzo(a)anthracene	32	32	32	100%	110	3	0	9%	0%	3.1	0	1480	13.5
Benzo(a)pyrene	32	32	32	100%	99	4	0	13%	0%	3.1	0	1306	13.2
Benzo(b)fluoranthene	20	20	20	100%		0	0	0%	0%	0	0	1157	
Benzo(b,j,k)fluoranthenes	12	12	12	100%		0	0	0%	0%	0	0	24.898	
Benzo(g,h,i)perylene	32	32	32	100%	31	4	0	13%	0%	9.4	0	888	28.7
Benzo(k)fluoranthene	20	20	20	100%		0	0	0%	0%	0	0	700	
Carbazole	19	20	20	95%		0	0	0%	0%	0	0	256	
Chrysene	32	32	32	100%	110	4	0	13%	0%	6.3	0	1615	14.7
Dibenzo(a,h)anthracene	29	31	31	94%	12	4	0	13%	0%	6.5	0	256	21.3
Dibenzofuran	30	32	32	94%	15	2	0	6%	0%	3.1	0	71	4.8
Fluoranthene	32	32	32	100%	160	4	0	13%	0%	9.4	0	3903	24.4
Fluorene	31	32	32	97%	23	2	0	6%	0%	3.1	0	148	6.4
Indeno(1,2,3-c,d)pyrene	32	32	32	100%	34	4	0	13%	0%	6.3	0	821	24.1
Naphthalene	29	32	32	91%	99	0	0	0%	0%	0	0	51.1	0.517
Phenanthrene	32	32	32	100%	100	2	0	6%	0%	6.3	0	1615	16.2
Pyrene	32	32	32	100%	1000	1	0	3%	0%	3.13	0	2692	2.7
Total Benzofluoranthenes (b,j,k) (U = 0)	20	20	20	100%	230	1	0	5%	0%	5	0	1857	8.1
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 1/2)	32	32	32	100%		0	0	0%	0%	0	0	1763	
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	32	32	32	100%		0	0	0%	0%	0	0	1763	
Total HPAH (SMS) (U = 0)	32	32	32	100%	960	4	0	13%	0%	3.1	0	14818	15.4
Total LPAH (SMS) (U = 0)	32	32	32	100%	370	2	0	6%	0%	3.1	0	2306	6.2
Polycyclic Aromatic Hydrocarbons (µg/kg)													
1-Methylnaphthalene	28	32	32	88%		0	0	0%	0%	0	0	480	
2-Methylnaphthalene	28	32	32	88%		0	0	0%	0%	0	0	1000	
Acenaphthene	30	32	32	94%		0	0	0%	0%	0	0	890	
Acenaphthylene	23	32	32	72%		0	0	0%	0%	0	0	160	
Anthracene	32	32	32	100%		0	0	0%	0%	0	0	2600	
Benzo(a)anthracene	32	32	32	100%		0	0	0%	0%	0	0	11000	
Benzo(a)pyrene	32	32	32	100%		0	0	0%	0%	0	0	9700	
Benzo(b)fluoranthene	20	20	20	100%		0	0	0%	0%	0	0	8600	
Benzo(b,j,k)fluoranthenes	12	12	12	100%		0	0	0%	0%	0	0	610	
Benzo(g,h,i)perylene	32	32	32	100%		0	0	0%	0%	0	0	6600	
Benzo(k)fluoranthene	20	20	20	100%		0	0	0%	0%	0	0	5200	
Carbazole	19	20	20	95%		0	0	0%	0%	0	0	1900	
Chrysene	32	32	32	100%		0	0	0%	0%	0	0	12000	
Dibenzo(a,h)anthracene	29	31	31	94%		0	0	0%	0%	0	0	1900	
Dibenzofuran	30	32	32	94%		0	0	0%	0%	0	0	530	
Fluoranthene	32	32	32	100%		0	0	0%	0%	0	0	29000	
Fluorene	31	32	32	97%		0	0	0%	0%	0	0	1100	
Indeno(1,2,3-c,d)pyrene	32	32	32	100%		0	0	0%	0%	0	0	6100	
Naphthalene	29	32	32	91%		0	0	0%	0%	0	0	380	
Phenanthrene	32	32	32	100%		0	0	0%	0%	0	0	12000	
Pyrene	32	32	32	100%		0	0	0%	0%	0	0	20000	
Total Benzofluoranthenes (b,j,k) (U = 0)	20	20	20	100%		0	0	0%	0%	0	0	13800	
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	32	32	32	100%	150	26	0	81%	0%	53.1	0	13100	87.3
Total HPAH (SMS) (U = 0)	32	32	32	100%		0	0	0%	0%	0	0	110100	
Total LPAH (SMS) (U = 0)	32	32	32	100%		0	0	0%	0%	0	0	17130	

Table 7-3
Summary of COPCs, COCs and ICs in Surface Sediment

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Sediment Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
Pesticides (mg/kg-OC)													
Hexachlorobenzene	1	28	28	4%	0.38	0	1	0%	4%	0	0	0.11	0.30
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0	25	25	0%	3.9	0	0	0%	0%	0	0		
Pesticides (µg/kg)													
4,4'-DDD (p,p'-DDD)	2	32	32	6%		0	0	0%	0%	0	0	6.5	
4,4'-DDE (p,p'-DDE)	0	32	32	0%		0	0	0%	0%	0	0		
4,4'-DDT (p,p'-DDT)	5	32	32	16%		0	0	0%	0%	0	0	97	
Aldrin	0	32	32	0%		0	0	0%	0%	0	0		
Chlordane, alpha- (Chlordane, cis-)	0	32	32	0%		0	0	0%	0%	0	0		
Chlordane, beta- (Chlordane, trans-)	0	32	32	0%		0	0	0%	0%	0	0		
Dieldrin	0	32	32	0%		0	0	0%	0%	0	0		
Endosulfan sulfate	0	32	32	0%		0	0	0%	0%	0	0		
Endosulfan, alpha- (I)	0	32	32	0%		0	0	0%	0%	0	0		
Endosulfan, beta (II)	0	32	32	0%		0	0	0%	0%	0	0		
Endrin	0	32	32	0%		0	0	0%	0%	0	0		
Endrin aldehyde	0	32	32	0%		0	0	0%	0%	0	0		
Endrin ketone	0	32	32	0%		0	0	0%	0%	0	0		
Heptachlor	0	32	32	0%		0	0	0%	0%	0	0		
Heptachlor epoxide	0	32	32	0%		0	0	0%	0%	0	0		
Hexachlorobenzene	1	28	28	4%		0	0	0%	0%	0	0	3	
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0	25	25	0%		0	0	0%	0%	0	0		
Hexachlorocyclohexane (BHC), alpha-	0	32	32	0%		0	0	0%	0%	0	0		
Hexachlorocyclohexane (BHC), beta-	0	32	32	0%		0	0	0%	0%	0	0		
Hexachlorocyclohexane (BHC), delta-	0	32	32	0%		0	0	0%	0%	0	0		
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0	32	32	0%		0	0	0%	0%	0	0		
Methoxychlor	0	32	32	0%		0	0	0%	0%	0	0		
Toxaphene	0	32	32	0%		0	0	0%	0%	0	0		
Dioxin Furans (ng/kg)													
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	22	28	28	79%		0	0	0%	0%	0	0	1.1	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	27	28	28	96%		0	0	0%	0%	0	0	5.76	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	28	28	28	100%		0	0	0%	0%	0	0	7.09	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	28	28	28	100%		0	0	0%	0%	0	0	104	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	28	28	28	100%		0	0	0%	0%	0	0	20.1	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	28	28	28	100%		0	0	0%	0%	0	0	4410	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	28	28	28	100%		0	0	0%	0%	0	0	55700	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	25	28	28	89%		0	0	0%	0%	0	0	67.7	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	24	28	28	86%		0	0	0%	0%	0	0	113	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	28	28	28	100%		0	0	0%	0%	0	0	503	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	28	28	28	100%		0	0	0%	0%	0	0	9190	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	28	28	28	100%		0	0	0%	0%	0	0	297	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	27	28	28	96%		0	0	0%	0%	0	0	48.8	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	28	28	28	100%		0	0	0%	0%	0	0	35	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	28	28	28	100%		0	0	0%	0%	0	0	96.8	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	28	28	28	100%		0	0	0%	0%	0	0	14.7	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	27	28	28	96%		0	0	0%	0%	0	0	13.7	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	28	28	28	100%		0	0	0%	0%	0	0	15.6	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	28	28	28	100%		0	0	0%	0%	0	0	738	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	28	28	28	100%		0	0	0%	0%	0	0	45.6	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	28	28	28	100%		0	0	0%	0%	0	0	5040	

Table 7-3
Summary of COPCs, COCs and ICs in Surface Sediment

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Sediment Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
Total Tetrachlorodibenzofuran (TCDF)	28	28	28	100%		0	0	0%	0%	0	0	532	
Total Pentachlorodibenzofuran (PeCDF)	28	28	28	100%		0	0	0%	0%	0	0	184	
Total Hexachlorodibenzofuran (HxCDF)	28	28	28	100%		0	0	0%	0%	0	0	715	
Total Heptachlorodibenzofuran (HpCDF)	28	28	28	100%		0	0	0%	0%	0	0	4850	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	28	28	28	100%	2	28	0	100%	0%	100	0	92	46.1
PCB Aroclors (mg/kg-OC)													
Aroclor 1016	0	32	32	0%		0	0	0%	0%	0	0		
Aroclor 1221	0	32	32	0%		0	0	0%	0%	0	0		
Aroclor 1232	0	32	32	0%		0	0	0%	0%	0	0		
Aroclor 1242	0	32	32	0%		0	0	0%	0%	0	0		
Aroclor 1248	28	32	32	88%		0	0	0%	0%	0	0	48.5	
Aroclor 1254	32	32	32	100%		0	0	0%	0%	0	0	14.8	
Aroclor 1260	32	32	32	100%		0	0	0%	0%	0	0	7.0	
Total PCB Aroclors (SMS Marine 2013) (U = 0)	32	32	32	100%		0	0	0%	0%	0	0	70.3	
PCB Aroclors (µg/kg)													
Aroclor 1016	0	32	32	0%		0	0	0%	0%	0	0		
Aroclor 1221	0	32	32	0%		0	0	0%	0%	0	0		
Aroclor 1232	0	32	32	0%		0	0	0%	0%	0	0		
Aroclor 1242	0	32	32	0%		0	0	0%	0%	0	0		
Aroclor 1248	28	32	32	88%		0	0	0%	0%	0	0	360	
Aroclor 1254	32	32	32	100%		0	0	0%	0%	0	0	270	
Aroclor 1260	32	32	32	100%		0	0	0%	0%	0	0	110	
Total PCB Aroclors (SMS Marine 2013) (U = 0)	32	32	32	100%	2	32	0	100%	0%	100	0	522	261

Table 7-3
Summary of COPCs, COCs and ICs in Surface Sediment

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
Metals (mg/kg)								
Antimony								
Arsenic	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Beryllium								
Cadmium	Yes	Yes	Yes	Yes				
Chromium	Yes							
Chromium VI								
Copper	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lead	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Mercury	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Nickel								
Selenium								
Silver	Yes							
Thallium								
Zinc	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Organometallic Compounds (µg/kg)								
Tributyltin (ion)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Volatile Organics (mg/kg-OC)								
1,2,4-Trichlorobenzene	Yes							
1,2-Dichlorobenzene	Yes							
1,4-Dichlorobenzene	Yes							
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	Yes							
Volatile Organics (µg/kg)								
1,1,1,2-Tetrachloroethane								
1,1,1-Trichloroethane								
1,1,2,2-Tetrachloroethane								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)								
1,1,2-Trichloroethane								
1,1-Dichloroethane								
1,1-Dichloroethene								
1,1-Dichloropropene								
1,2,3-Trichlorobenzene								
1,2,3-Trichloropropane								
1,2,4-Trichlorobenzene								
1,2,4-Trimethylbenzene								
1,2-Dibromo-3-chloropropane								
1,2-Dichlorobenzene								
1,2-Dichloroethane								
1,2-Dichloroethene, cis-								
1,2-Dichloroethene, trans-								
1,2-Dichloropropane								
1,3,5-Trimethylbenzene (Mesitylene)								
1,3-Dichloropropane								
1,3-Dichloropropene, cis-								
1,3-Dichloropropene, trans-								
1,4-Dichloro-2-butene, trans-								
1,4-Dichlorobenzene								
2,2-Dichloropropane								
2-Chloroethylvinyl ether								

Table 7-3
Summary of COPCs, COCs and ICs in Surface Sediment

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
2-Chlorotoluene								
2-Hexanone (Methyl butyl ketone)								
4-Chlorotoluene								
4-Methyl-2-pentanone (Methyl isobutyl ketone)								
Acetone								
Acrolein								
Acrylonitrile								
Benzene								
Bromobenzene								
Bromochloromethane								
Bromodichloromethane								
Bromoform (Tribromomethane)								
Bromomethane (Methyl bromide)								
Carbon disulfide								
Carbon tetrachloride (Tetrachloromethane)								
Chlorobenzene								
Chloroethane								
Chloroform								
Chloromethane								
Cymene, p- (4-Isopropyltoluene)								
Dibromochloromethane								
Dibromomethane								
Dichlorodifluoromethane								
Dichloromethane (Methylene chloride)								
Ethyl bromide (Bromoethane)								
Ethylbenzene								
Ethylene dibromide (1,2-Dibromoethane)								
Hexachlorobutadiene (Hexachloro-1,3-butadiene)								
Isopropylbenzene (Cumene)								
m,p-Xylene								
Methyl ethyl ketone (2-Butanone)								
Methyl iodide (Iodomethane)								
Methyl tert-butyl ether (MTBE)								
n-Butylbenzene								
n-Propylbenzene								
o-Xylene								
sec-Butylbenzene								
Styrene								
tert-Butylbenzene								
Tetrachloroethene (PCE)								
Toluene								
Trichloroethene (TCE)								
Trichlorofluoromethane (Fluorotrichloromethane)								
Vinyl acetate								
Vinyl chloride								
Semivolatile Organics (mg/kg-OC)								
1,2,4-Trichlorobenzene	Yes	Yes	Yes					
1,2-Dichlorobenzene	Yes							
1,3-Dichlorobenzene								

Table 7-3
Summary of COPCs, COCs and ICs in Surface Sediment

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
1,4-Dichlorobenzene	Yes							
2,2'-Oxybis (1-chloropropane)								
2,3,4,6-Tetrachlorophenol								
2,4,5-Trichlorophenol								
2,4,6-Trichlorophenol								
2,4-Dichlorophenol								
2,4-Dimethylphenol								
2,4-Dinitrophenol								
2,4-Dinitrotoluene								
2,6-Dinitrotoluene								
2-Chloronaphthalene								
2-Chlorophenol								
2-Methylphenol (o-Cresol)								
2-Nitroaniline								
2-Nitrophenol								
3,3'-Dichlorobenzidine								
3-Nitroaniline								
4-Bromophenyl-phenyl ether								
4-Chloro-3-methylphenol								
4-Chloroaniline								
4-Chlorophenyl phenyl ether								
4-Methylphenol (p-Cresol)								
4-Nitroaniline								
4-Nitrophenol								
Benzoic acid								
Benzyl alcohol								
bis(2-Chloroethoxy)methane								
bis(2-Chloroethyl)ether								
bis(2-Ethylhexyl)phthalate	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Butylbenzyl phthalate	Yes							
Di-n-butyl phthalate	Yes							
Di-n-octyl phthalate	Yes							
Diethyl phthalate	Yes							
Dimethyl phthalate	Yes							
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)								
Hexachlorobenzene	Yes	Yes	Yes	Yes	Yes			
Hexachlorocyclopentadiene								
Hexachloroethane								
Isophorone								
n-Nitrosodi-n-propylamine								
n-Nitrosodiphenylamine	Yes							
Nitrobenzene								
Pentachlorophenol								
Phenol								
Semivolatile Organics (µg/kg)								
1,2,4-Trichlorobenzene								
1,2-Dichlorobenzene								
1,3-Dichlorobenzene								
1,4-Dichlorobenzene								

Table 7-3
Summary of COPCs, COCs and ICs in Surface Sediment

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
2,2'-Oxybis (1-chloropropane)								
2,3,4,6-Tetrachlorophenol								
2,4,5-Trichlorophenol								
2,4,6-Trichlorophenol								
2,4-Dichlorophenol								
2,4-Dimethylphenol	Yes	Yes	Yes					
2,4-Dinitrophenol								
2,4-Dinitrotoluene								
2,6-Dinitrotoluene								
2-Chloronaphthalene								
2-Chlorophenol								
2-Methylphenol (o-Cresol)	Yes							
2-Nitroaniline								
2-Nitrophenol								
3,3'-Dichlorobenzidine								
3-Nitroaniline								
4-Bromophenyl-phenyl ether								
4-Chloro-3-methylphenol								
4-Chloroaniline								
4-Chlorophenyl phenyl ether								
4-Methylphenol (p-Cresol)	Yes	Yes	Yes	Yes	Yes			
4-Nitroaniline								
4-Nitrophenol								
Benzoic acid	Yes	Yes	Yes	Yes				
Benzyl alcohol	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
bis(2-Chloroethoxy)methane								
bis(2-Chloroethyl)ether								
bis(2-Ethylhexyl)phthalate								
Butylbenzyl phthalate								
Di-n-butyl phthalate								
Di-n-octyl phthalate								
Diethyl phthalate								
Dimethyl phthalate								
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)								
Hexachlorobenzene								
Hexachlorocyclopentadiene								
Hexachloroethane								
Isophorone								
n-Nitrosodi-n-propylamine								
n-Nitrosodiphenylamine								
Nitrobenzene								
Pentachlorophenol	Yes	Yes	Yes	Yes		Yes		
Phenol	Yes							
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)								
1-Methylnaphthalene								
2-Methylnaphthalene	Yes							
Acenaphthene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Acenaphthylene	Yes							
Anthracene	Yes	Yes	Yes	Yes				

Table 7-3
Summary of COPCs, COCs and ICs in Surface Sediment

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
Benzo(a)anthracene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Benzo(a)pyrene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Benzo(b)fluoranthene								
Benzo(b,j,k)fluoranthenes								
Benzo(g,h,i)perylene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Benzo(k)fluoranthene								
Carbazole								
Chrysene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Dibenzo(a,h)anthracene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Dibenzofuran	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Fluoranthene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Fluorene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Indeno(1,2,3-c,d)pyrene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Naphthalene	Yes							
Phenanthrene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Pyrene	Yes	Yes	Yes	Yes		Yes		
Total Benzofluoranthenes (b,j,k) (U = 0)	Yes	Yes	Yes	Yes		Yes		
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 1/2)								
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)								
Total HPAH (SMS) (U = 0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Total LPAH (SMS) (U = 0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Polycyclic Aromatic Hydrocarbons (µg/kg)								
1-Methylnaphthalene								
2-Methylnaphthalene								
Acenaphthene								
Acenaphthylene								
Anthracene								
Benzo(a)anthracene								
Benzo(a)pyrene								
Benzo(b)fluoranthene								
Benzo(b,j,k)fluoranthenes								
Benzo(g,h,i)perylene								
Benzo(k)fluoranthene								
Carbazole								
Chrysene								
Dibenzo(a,h)anthracene								
Dibenzofuran								
Fluoranthene								
Fluorene								
Indeno(1,2,3-c,d)pyrene								
Naphthalene								
Phenanthrene								
Pyrene								
Total Benzofluoranthenes (b,j,k) (U = 0)								
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Total HPAH (SMS) (U = 0)								
Total LPAH (SMS) (U = 0)								

Table 7-3
Summary of COPCs, COCs and ICs in Surface Sediment

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
Pesticides (mg/kg-OC)								
Hexachlorobenzene	Yes	Yes	Yes					
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	Yes							
Pesticides (µg/kg)								
4,4'-DDD (p,p'-DDD)								
4,4'-DDE (p,p'-DDE)								
4,4'-DDT (p,p'-DDT)								
Aldrin								
Chlordane, alpha- (Chlordane, cis-)								
Chlordane, beta- (Chlordane, trans-)								
Dieldrin								
Endosulfan sulfate								
Endosulfan, alpha- (I)								
Endosulfan, beta (II)								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Hexachlorobenzene								
Hexachlorobutadiene (Hexachloro-1,3-butadiene)								
Hexachlorocyclohexane (BHC), alpha-								
Hexachlorocyclohexane (BHC), beta-								
Hexachlorocyclohexane (BHC), delta-								
Hexachlorocyclohexane (BHC), gamma- (Lindane)								
Methoxychlor								
Toxaphene								
Dioxin Furans (ng/kg)								
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)								
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)								
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)								
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)								
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)								
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)								
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)								
Total Tetrachlorodibenzo-p-dioxin (TCDD)								
Total Pentachlorodibenzo-p-dioxin (PeCDD)								
Total Hexachlorodibenzo-p-dioxin (HxCDD)								
Total Heptachlorodibenzo-p-dioxin (HpCDD)								
2,3,7,8-Tetrachlorodibenzofuran (TCDF)								
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)								
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)								
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)								
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)								
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)								
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)								
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)								
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)								
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)								

Table 7-3
Summary of COPCs, COCs and ICs in Surface Sediment

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
Total Tetrachlorodibenzofuran (TCDF)								
Total Pentachlorodibenzofuran (PeCDF)								
Total Hexachlorodibenzofuran (HxCDF)								
Total Heptachlorodibenzofuran (HpCDF)								
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PCB Aroclors (mg/kg-OC)								
Aroclor 1016								
Aroclor 1221								
Aroclor 1232								
Aroclor 1242								
Aroclor 1248								
Aroclor 1254								
Aroclor 1260								
Total PCB Aroclors (SMS Marine 2013) (U = 0)								
PCB Aroclors (µg/kg)								
Aroclor 1016								
Aroclor 1221								
Aroclor 1232								
Aroclor 1242								
Aroclor 1248								
Aroclor 1254								
Aroclor 1260								
Total PCB Aroclors (SMS Marine 2013) (U = 0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 7-3
Summary of COPCs, COCs and ICs in Surface Sediment

Notes:
µg/kg = micrograms per kilogram
COC = chemical of concern
COPC = chemical of potential concern
cPAH = carcinogenic polycyclic aromatic hydrocarbon
D = detect
EF = exceedance frequency
FOD = frequency of detection
HPAH = high molecular weight polycyclic aromatic hydrocarbon
LPAH = low molecular weight polycyclic aromatic hydrocarbon
mg/kg = milligrams per kilogram
mg/kg-OC = milligrams per kilogram organic carbon normalized
ND = non-detect
PCB = polychlorinated biphenyl
SL = screening level
SMS = Sediment Management Standards
TEQ = Toxics Equivalents Quotient

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Sediment Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
Metals (mg/kg)													
Antimony	29	65	65	45%		0	0	0%	0%	0	0	157	
Arsenic	136	136	136	100%	7	115	0	85%	0%	66.2	0	1970	281
Beryllium	55	65	65	85%		0	0	0%	0%	0	0	0.9	
Cadmium	118	136	136	87%	5.1	0	0	0%	0%	0	0	5	0.98
Chromium	136	136	136	100%	260	0	0	0%	0%	0	0	223	0.86
Chromium VI	1	109	109	1%		0	0	0%	0%	0	0	5.9	
Copper	136	136	136	100%	390	26	0	19%	0%	12.5	0	2040	5.2
Lead	133	136	136	98%	450	17	0	13%	0%	5.2	0	1380	3.1
Mercury	119	136	136	88%	0.41	41	0	30%	0%	16.9	0	5	11.2
Nickel	65	65	65	100%		0	0	0%	0%	0	0	114	
Selenium	7	65	65	11%		0	0	0%	0%	0	0	1.5	
Silver	70	136	136	51%	6.1	0	0	0%	0%	0	0	3.7	0.61
Thallium	12	65	65	18%		0	0	0%	0%	0	0	1.1	
Zinc	136	136	136	100%	410	33	0	24%	0%	16.9	0	4930	12.0
Organometallic Compounds (µg/kg)													
Tributyltin (ion)	102	136	136	75%	73	68	0	50%	0%	39.0	0	15000	205
Volatile Organics (mg/kg-OC)													
1,2,4-Trichlorobenzene	0	3	3	0%	0.81	0	0	0%	0%	0	0		
1,2-Dichlorobenzene	1	62	62	2%	2.3	0	1	0%	2%	0	0	0.10	0.05
1,4-Dichlorobenzene	0	41	41	0%	3.1	0	0	0%	0%	0	0		
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0	42	42	0%	3.9	0	0	0%	0%	0	0		
Volatile Organics (µg/kg)													
1,1,1,2-Tetrachloroethane	0	71	71	0%		0	0	0%	0%	0	0		
1,1,1-Trichloroethane	0	108	108	0%		0	0	0%	0%	0	0		
1,1,2,2-Tetrachloroethane	0	71	71	0%		0	0	0%	0%	0	0		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0	71	71	0%		0	0	0%	0%	0	0		
1,1,2-Trichloroethane	0	108	108	0%		0	0	0%	0%	0	0		
1,1-Dichloroethane	0	108	108	0%		0	0	0%	0%	0	0		
1,1-Dichloroethene	0	108	108	0%		0	0	0%	0%	0	0		
1,1-Dichloropropene	0	71	71	0%		0	0	0%	0%	0	0		
1,2,3-Trichlorobenzene	0	71	71	0%		0	0	0%	0%	0	0		
1,2,3-Trichloropropane	0	71	71	0%		0	0	0%	0%	0	0		
1,2,4-Trichlorobenzene	0	3	3	0%		0	0	0%	0%	0	0		
1,2,4-Trimethylbenzene	5	71	71	7%		0	0	0%	0%	0	0	5.6	
1,2-Dibromo-3-chloropropane	0	71	71	0%		0	0	0%	0%	0	0		
1,2-Dichlorobenzene	1	62	62	2%		0	0	0%	0%	0	0	1.9	
1,2-Dichloroethane	0	108	108	0%		0	0	0%	0%	0	0		
1,2-Dichloroethene, cis-	0	71	71	0%		0	0	0%	0%	0	0		
1,2-Dichloroethene, trans-	0	71	71	0%		0	0	0%	0%	0	0		
1,2-Dichloropropane	0	71	71	0%		0	0	0%	0%	0	0		

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Sediment Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
1,3,5-Trimethylbenzene (Mesitylene)	8	108	108	7%		0	0	0%	0%	0	0	47	
1,3-Dichloropropane	0	71	71	0%		0	0	0%	0%	0	0		
1,3-Dichloropropene, cis-	0	71	71	0%		0	0	0%	0%	0	0		
1,3-Dichloropropene, trans-	0	71	71	0%		0	0	0%	0%	0	0		
1,4-Dichloro-2-butene, trans-	0	71	71	0%		0	0	0%	0%	0	0		
1,4-Dichlorobenzene	0	41	41	0%		0	0	0%	0%	0	0		
2,2-Dichloropropane	0	71	71	0%		0	0	0%	0%	0	0		
2-Chloroethylvinyl ether	0	71	71	0%		0	0	0%	0%	0	0		
2-Chlorotoluene	0	71	71	0%		0	0	0%	0%	0	0		
2-Hexanone (Methyl butyl ketone)	0	71	71	0%		0	0	0%	0%	0	0		
4-Chlorotoluene	0	71	71	0%		0	0	0%	0%	0	0		
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1	71	71	1%		0	0	0%	0%	0	0	5.1	
Acetone	106	108	108	98%		0	0	0%	0%	0	0	320	
Acrolein	0	71	71	0%		0	0	0%	0%	0	0		
Acrylonitrile	0	71	71	0%		0	0	0%	0%	0	0		
Benzene	26	108	108	24%		0	0	0%	0%	0	0	5	
Bromobenzene	0	71	71	0%		0	0	0%	0%	0	0		
Bromochloromethane	0	71	71	0%		0	0	0%	0%	0	0		
Bromodichloromethane	0	71	71	0%		0	0	0%	0%	0	0		
Bromoform (Tribromomethane)	0	71	71	0%		0	0	0%	0%	0	0		
Bromomethane (Methyl bromide)	1	71	71	1%		0	0	0%	0%	0	0	3.6	
Carbon disulfide	62	71	71	87%		0	0	0%	0%	0	0	14	
Carbon tetrachloride (Tetrachloromethane)	0	108	108	0%		0	0	0%	0%	0	0		
Chlorobenzene	6	108	108	6%		0	0	0%	0%	0	0	110	
Chloroethane	1	108	108	1%		0	0	0%	0%	0	0	1	
Chloroform	0	108	108	0%		0	0	0%	0%	0	0		
Chloromethane	0	108	108	0%		0	0	0%	0%	0	0		
Cymene, p- (4-Isopropyltoluene)	0	71	71	0%		0	0	0%	0%	0	0		
Dibromochloromethane	0	71	71	0%		0	0	0%	0%	0	0		
Dibromomethane	0	71	71	0%		0	0	0%	0%	0	0		
Dichlorodifluoromethane	0	71	71	0%		0	0	0%	0%	0	0		
Dichloromethane (Methylene chloride)	25	108	108	23%		0	0	0%	0%	0	0	22	
Ethyl bromide (Bromoethane)	0	71	71	0%		0	0	0%	0%	0	0		
Ethylbenzene	35	108	108	32%		0	0	0%	0%	0	0	120	
Ethylene dibromide (1,2-Dibromoethane)	0	71	71	0%		0	0	0%	0%	0	0		
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0	42	42	0%		0	0	0%	0%	0	0		
Isopropylbenzene (Cumene)	3	71	71	4%		0	0	0%	0%	0	0	1.6	
m,p-Xylene	30	108	108	28%		0	0	0%	0%	0	0	34	
Methyl ethyl ketone (2-Butanone)	62	71	71	87%		0	0	0%	0%	0	0	41	
Methyl iodide (Iodomethane)	1	71	71	1%		0	0	0%	0%	0	0	5.5	
Methyl tert-butyl ether (MTBE)	0	71	71	0%		0	0	0%	0%	0	0		

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Sediment Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
n-Butylbenzene	0	71	71	0%		0	0	0%	0%	0	0		
n-Propylbenzene	1	71	71	1%		0	0	0%	0%	0	0	0.7	
o-Xylene	69	108	108	64%		0	0	0%	0%	0	0	30	
sec-Butylbenzene	0	71	71	0%		0	0	0%	0%	0	0		
Styrene	0	108	108	0%		0	0	0%	0%	0	0		
tert-Butylbenzene	0	71	71	0%		0	0	0%	0%	0	0		
Tetrachloroethene (PCE)	0	108	108	0%		0	0	0%	0%	0	0		
Toluene	30	108	108	28%		0	0	0%	0%	0	0	23	
Trichloroethene (TCE)	0	108	108	0%		0	0	0%	0%	0	0		
Trichlorofluoromethane (Fluorotrichloromethane)	0	71	71	0%		0	0	0%	0%	0	0		
Vinyl acetate	0	71	71	0%		0	0	0%	0%	0	0		
Vinyl chloride	0	108	108	0%		0	0	0%	0%	0	0		
Semivolatile Organics (mg/kg-OC)													
1,2,4-Trichlorobenzene	19	132	132	14%	0.81	1	19	1%	14%	0.76	6.82	2.1	2.5
1,2-Dichlorobenzene	54	73	73	74%	2.3	11	1	15%	1%	11.0	0	7.9	3.5
1,3-Dichlorobenzene	5	135	135	4%		0	0	0%	0%	0	0	0.8	
1,4-Dichlorobenzene	73	94	94	78%	3.1	0	1	0%	1%	0	0	2.09	0.7
2,2'-Oxybis (1-chloropropane)	0	71	71	0%		0	0	0%	0%	0	0		
2,3,4,6-Tetrachlorophenol	0	71	71	0%		0	0	0%	0%	0	0		
2,4,5-Trichlorophenol	0	71	71	0%		0	0	0%	0%	0	0		
2,4,6-Trichlorophenol	0	71	71	0%		0	0	0%	0%	0	0		
2,4-Dichlorophenol	0	71	71	0%		0	0	0%	0%	0	0		
2,4-Dimethylphenol	11	135	135	8%		0	0	0%	0%	0	0	4.4	
2,4-Dinitrophenol	0	71	71	0%		0	0	0%	0%	0	0		
2,4-Dinitrotoluene	0	71	71	0%		0	0	0%	0%	0	0		
2,6-Dinitrotoluene	0	71	71	0%		0	0	0%	0%	0	0		
2-Chloronaphthalene	0	71	71	0%		0	0	0%	0%	0	0		
2-Chlorophenol	0	71	71	0%		0	0	0%	0%	0	0		
2-Methylphenol (o-Cresol)	53	135	135	39%		0	0	0%	0%	0	0	3.1	
2-Nitroaniline	0	71	71	0%		0	0	0%	0%	0	0		
2-Nitrophenol	0	71	71	0%		0	0	0%	0%	0	0		
3,3'-Dichlorobenzidine	0	71	71	0%		0	0	0%	0%	0	0		
3-Nitroaniline	0	71	71	0%		0	0	0%	0%	0	0		
4-Bromophenyl-phenyl ether	0	71	71	0%		0	0	0%	0%	0	0		
4-Chloro-3-methylphenol	0	71	71	0%		0	0	0%	0%	0	0		
4-Chloroaniline	0	71	71	0%		0	0	0%	0%	0	0		
4-Chlorophenyl phenyl ether	0	71	71	0%		0	0	0%	0%	0	0		
4-Methylphenol (p-Cresol)	106	135	135	79%		0	0	0%	0%	0	0	19.8	
4-Nitroaniline	0	71	71	0%		0	0	0%	0%	0	0		
4-Nitrophenol	0	71	71	0%		0	0	0%	0%	0	0		
Benzoic acid	66	135	135	49%		0	0	0%	0%	0	0	19	

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Sediment Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
Benzyl alcohol	51	135	135	38%		0	0	0%	0%	0	0	14	
bis(2-Chloroethoxy)methane	0	71	71	0%		0	0	0%	0%	0	0		
bis(2-Chloroethyl)ether	0	71	71	0%		0	0	0%	0%	0	0		
bis(2-Ethylhexyl)phthalate	101	133	133	76%	47	12	1	9%	1%	3.0	0.8	329	7.0
Butylbenzyl phthalate	77	135	135	57%	4.9	1	9	1%	7%	0.74	2.22	11	2.29
Di-n-butyl phthalate	43	135	135	32%	220	0	0	0%	0%	0	0	50	0.23
Di-n-octyl phthalate	5	135	135	4%	58	0	0	0%	0%	0	0	7.8	0.13
Diethyl phthalate	29	134	134	22%	61	0	0	0%	0%	0	0	25	0.40
Dimethyl phthalate	47	135	135	35%	53	0	0	0%	0%	0	0	23	0.44
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	0	71	71	0%		0	0	0%	0%	0	0		
Hexachlorobenzene	0	42	42	0%	0.38	0	12	0%	29%	0	7.14		
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0	2	2	0%	3.9	0	2	0%	100%	0	100		
Hexachlorocyclopentadiene	0	71	71	0%		0	0	0%	0%	0	0		
Hexachloroethane	0	135	135	0%		0	0	0%	0%	0	0		
Isophorone	0	71	71	0%		0	0	0%	0%	0	0		
n-Nitrosodi-n-propylamine	0	71	71	0%		0	0	0%	0%	0	0		
n-Nitrosodimethylamine	0	17	17	0%		0	0	0%	0%	0	0		
n-Nitrosodiphenylamine	22	135	135	16%	11	0	1	0%	1%	0	0	8	0.73
Nitrobenzene	1	71	71	1%		0	0	0%	0%	0	0	1.7	
Pentachlorophenol	39	135	135	29%		0	0	0%	0%	0	0	16	
Phenol	104	135	135	77%		0	0	0%	0%	0	0	8.8	
Semivolatile Organics (µg/kg)													
1,2,4-Trichlorobenzene	19	132	132	14%		0	0	0%	0%	0	0	39	
1,2-Dichlorobenzene	54	73	73	74%		0	0	0%	0%	0	0	170	
1,3-Dichlorobenzene	5	135	135	4%		0	0	0%	0%	0	0	14	
1,4-Dichlorobenzene	73	94	94	78%		0	0	0%	0%	0	0	37	
2,2'-Oxybis (1-chloropropane)	0	71	71	0%		0	0	0%	0%	0	0		
2,3,4,6-Tetrachlorophenol	0	71	71	0%		0	0	0%	0%	0	0		
2,4,5-Trichlorophenol	0	71	71	0%		0	0	0%	0%	0	0		
2,4,6-Trichlorophenol	0	71	71	0%		0	0	0%	0%	0	0		
2,4-Dichlorophenol	0	71	71	0%		0	0	0%	0%	0	0		
2,4-Dimethylphenol	11	135	135	8%	29	2	12	1%	9%	0.74	6.67	100	3.45
2,4-Dinitrophenol	0	71	71	0%		0	0	0%	0%	0	0		
2,4-Dinitrotoluene	0	71	71	0%		0	0	0%	0%	0	0		
2,6-Dinitrotoluene	0	71	71	0%		0	0	0%	0%	0	0		
2-Chloronaphthalene	0	71	71	0%		0	0	0%	0%	0	0		
2-Chlorophenol	0	71	71	0%		0	0	0%	0%	0	0		
2-Methylphenol (o-Cresol)	53	135	135	39%	63	0	6	0%	4%	0	0	54	0.86
2-Nitroaniline	0	71	71	0%		0	0	0%	0%	0	0		
2-Nitrophenol	0	71	71	0%		0	0	0%	0%	0	0		
3,3'-Dichlorobenzidine	0	71	71	0%		0	0	0%	0%	0	0		

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Sediment Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
3-Nitroaniline	0	71	71	0%		0	0	0%	0%	0	0		
4-Bromophenyl-phenyl ether	0	71	71	0%		0	0	0%	0%	0	0		
4-Chloro-3-methylphenol	0	71	71	0%		0	0	0%	0%	0	0		
4-Chloroaniline	0	71	71	0%		0	0	0%	0%	0	0		
4-Chlorophenyl phenyl ether	0	71	71	0%		0	0	0%	0%	0	0		
4-Methylphenol (p-Cresol)	106	135	135	79%	270	1	0	1%	0%	0	0	350	1.3
4-Nitroaniline	0	71	71	0%		0	0	0%	0%	0	0		
4-Nitrophenol	0	71	71	0%		0	0	0%	0%	0	0		
Benzoic acid	66	135	135	49%	650	0	5	0%	4%	0	0	440	0.68
Benzyl alcohol	51	135	135	38%	57	28	6	21%	4%	8.2	0	280	4.9
bis(2-Chloroethoxy)methane	0	71	71	0%		0	0	0%	0%	0	0		
bis(2-Chloroethyl)ether	0	71	71	0%		0	0	0%	0%	0	0		
bis(2-Ethylhexyl)phthalate	101	133	133	76%		0	0	0%	0%	0	0	7700	
Butylbenzyl phthalate	77	135	135	57%		0	0	0%	0%	0	0	410	
Di-n-butyl phthalate	43	135	135	32%		0	0	0%	0%	0	0	610	
Di-n-octyl phthalate	5	135	135	4%		0	0	0%	0%	0	0	81	
Diethyl phthalate	29	134	134	22%		0	0	0%	0%	0	0	63	
Dimethyl phthalate	47	135	135	35%		0	0	0%	0%	0	0	480	
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	0	71	71	0%		0	0	0%	0%	0	0		
Hexachlorobenzene	0	42	42	0%		0	0	0%	0%	0	0		
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0	2	2	0%		0	0	0%	0%	0	0		
Hexachlorocyclopentadiene	0	71	71	0%		0	0	0%	0%	0	0		
Hexachloroethane	0	135	135	0%		0	0	0%	0%	0	0		
Isophorone	0	71	71	0%		0	0	0%	0%	0	0		
n-Nitrosodi-n-propylamine	0	71	71	0%		0	0	0%	0%	0	0		
n-Nitrosodimethylamine	0	17	17	0%		0	0	0%	0%	0	0		
n-Nitrosodiphenylamine	22	135	135	16%		0	0	0%	0%	0	0	180	
Nitrobenzene	1	71	71	1%		0	0	0%	0%	0	0	43	
Pentachlorophenol	39	135	135	29%	360	0	0	0%	0%	0	0	310	0.86
Phenol	104	135	135	77%	420	0	0	0%	0%	0	0	210	0.5
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)													
1-Methylnaphthalene	113	135	135	84%		0	0	0%	0%	0	0	93	
2-Methylnaphthalene	117	135	135	87%	38	3	0	2%	0%	1.48	0	143	3.76
Acenaphthene	112	135	135	83%	16	19	0	14%	0%	5.9	0	246	15.4
Acenaphthylene	88	135	135	65%	66	0	0	0%	0%	0	0	8.6	0.13
Anthracene	122	135	135	90%	220	0	0	0%	0%	0	0	169	0.77
Benzo(a)anthracene	127	135	135	94%	110	10	0	7%	0%	0	0	209	1.90
Benzo(a)pyrene	124	135	135	92%	99	5	0	4%	0%	0	0	164	1.65
Benzo(b)fluoranthene	68	71	71	96%		0	0	0%	0%	0	0	45.1	
Benzo(b,j,k)fluoranthenes	59	64	64	92%		0	0	0%	0%	0	0	277	
Benzo(g,h,i)perylene	124	135	135	92%	31	17	0	13%	0%	0.7	0	73	2.4

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Sediment Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
Benzo(k)fluoranthene	64	71	71	90%		0	0	0%	0%	0	0	24.6	
Carbazole	46	71	71	65%		0	0	0%	0%	0	0	24.1	
Chrysene	127	135	135	94%	110	11	0	8%	0%	0	0	218	2.0
Dibenzo(a,h)anthracene	112	134	134	84%	12	16	1	12%	1%	1.5	0	29	2.4
Dibenzofuran	115	135	135	85%	15	8	1	6%	1%	3.7	0	196	13.0
Fluoranthene	129	134	134	96%	160	18	0	13%	0%	6.0	0	622	3.9
Fluorene	117	135	135	87%	23	9	0	7%	0%	3.0	0	342	14.9
Indeno(1,2,3-c,d)pyrene	121	135	135	90%	34	13	0	10%	0%	0.7	0	85	2.5
Naphthalene	126	135	135	93%	99	2	0	1%	0%	0.74	0	478	4.83
Phenanthrene	130	135	135	96%	100	16	0	12%	0%	6.7	0	1156	11.6
Pyrene	128	133	133	96%	1000	0	0	0%	0%	0	0	468	0.47
Total Benzofluoranthenes (b,j,k) (U = 0)	68	71	71	96%	230	0	0	0%	0%	0	0	70	0.30
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	127	135	135	94%		0	0	0%	0%	0	0	226	
Total HPAH (SMS) (U = 0)	131	135	135	97%	960	13	0	10%	0%	1.5	0	1967	2.0
Total LPAH (SMS) (U = 0)	131	135	135	97%	370	8	0	6%	0%	3.0	0	1876	5.1
Polycyclic Aromatic Hydrocarbons (µg/kg)													
1-Methylnaphthalene	113	135	135	84%		0	0	0%	0%	0	0	1700	
2-Methylnaphthalene	117	135	135	87%		0	0	0%	0%	0	0	2600	
Acenaphthene	112	135	135	83%		0	0	0%	0%	0	0	4600	
Acenaphthylene	88	135	135	65%		0	0	0%	0%	0	0	98	
Anthracene	122	135	135	90%		0	0	0%	0%	0	0	3800	
Benzo(a)anthracene	127	135	135	94%		0	0	0%	0%	0	0	3700	
Benzo(a)pyrene	124	135	135	92%		0	0	0%	0%	0	0	2900	
Benzo(b)fluoranthene	68	71	71	96%		0	0	0%	0%	0	0	830	
Benzo(b,j,k)fluoranthenes	59	64	64	92%		0	0	0%	0%	0	0	4900	
Benzo(g,h,i)perylene	124	135	135	92%		0	0	0%	0%	0	0	1300	
Benzo(k)fluoranthene	64	71	71	90%		0	0	0%	0%	0	0	480	
Carbazole	46	71	71	65%		0	0	0%	0%	0	0	580	
Chrysene	127	135	135	94%		0	0	0%	0%	0	0	4900	
Dibenzo(a,h)anthracene	112	134	134	84%		0	0	0%	0%	0	0	510	
Dibenzofuran	115	135	135	85%		0	0	0%	0%	0	0	4400	
Fluoranthene	129	134	134	96%		0	0	0%	0%	0	0	14000	
Fluorene	117	135	135	87%		0	0	0%	0%	0	0	7700	
Indeno(1,2,3-c,d)pyrene	121	135	135	90%		0	0	0%	0%	0	0	1500	
Naphthalene	126	135	135	93%		0	0	0%	0%	0	0	8700	
Phenanthrene	130	135	135	96%		0	0	0%	0%	0	0	26000	
Pyrene	128	133	133	96%		0	0	0%	0%	0	0	10000	
Total Benzofluoranthenes (b,j,k) (U = 0)	68	71	71	96%		0	0	0%	0%	0	0	1310	
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	127	135	135	94%	150	98	0	73%	0%	49.6	0	3995	26.6
Total HPAH (SMS) (U = 0)	131	135	135	97%		0	0	0%	0%	0	0	39690	
Total LPAH (SMS) (U = 0)	131	135	135	97%		0	0	0%	0%	0	0	42212	

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Sediment Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
Pesticides (mg/kg-OC)													
Hexachlorobenzene	0	92	92	0%	0.38	0	8	0%	9%	0	1.09		
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0	93	93	0%	3.9	0	0	0%	0%	0	0		
Pesticides (µg/kg)													
4,4'-DDD (p,p'-DDD)	5	107	107	5%		0	0	0%	0%	0	0	140	
4,4'-DDE (p,p'-DDE)	4	107	107	4%		0	0	0%	0%	0	0	220	
4,4'-DDT (p,p'-DDT)	10	107	107	9%		0	0	0%	0%	0	0	570	
Aldrin	0	107	107	0%		0	0	0%	0%	0	0		
Chlordane, alpha- (Chlordane, cis-)	0	107	107	0%		0	0	0%	0%	0	0		
Chlordane, beta- (Chlordane, trans-)	0	107	107	0%		0	0	0%	0%	0	0		
Dieldrin	0	107	107	0%		0	0	0%	0%	0	0		
Endosulfan sulfate	0	107	107	0%		0	0	0%	0%	0	0		
Endosulfan, alpha- (I)	0	107	107	0%		0	0	0%	0%	0	0		
Endosulfan, beta (II)	0	107	107	0%		0	0	0%	0%	0	0		
Endrin	0	107	107	0%		0	0	0%	0%	0	0		
Endrin aldehyde	0	107	107	0%		0	0	0%	0%	0	0		
Endrin ketone	0	107	107	0%		0	0	0%	0%	0	0		
Heptachlor	0	107	107	0%		0	0	0%	0%	0	0		
Heptachlor epoxide	0	107	107	0%		0	0	0%	0%	0	0		
Hexachlorobenzene	0	92	92	0%		0	0	0%	0%	0	0		
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0	93	93	0%		0	0	0%	0%	0	0		
Hexachlorocyclohexane (BHC), alpha-	0	107	107	0%		0	0	0%	0%	0	0		
Hexachlorocyclohexane (BHC), beta-	0	107	107	0%		0	0	0%	0%	0	0		
Hexachlorocyclohexane (BHC), delta-	0	107	107	0%		0	0	0%	0%	0	0		
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0	107	107	0%		0	0	0%	0%	0	0		
Methoxychlor	0	107	107	0%		0	0	0%	0%	0	0		
Toxaphene	0	107	107	0%		0	0	0%	0%	0	0		
Dioxin Furans (ng/kg)													
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	74	85	85	87%		0	0	0%	0%	0	0	3.99	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	73	85	85	86%		0	0	0%	0%	0	0	11.9	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	75	85	85	88%		0	0	0%	0%	0	0	24.7	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	79	85	85	93%		0	0	0%	0%	0	0	695	

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	No. of Detections	No. of Samples	No. of Results	Frequency of Detection - FOD (%)	Sediment Screening Level - SL	No. of Detections > SL	No. of Non-Detects > SL	Exceedance Frequency of Detects - EF of Ds (%)	Exceedance Frequency of Non-Detects - EF of NDs (%)	Exceedance Frequency of Detects > 2x SL	Exceedance Frequency of Non-Detects > 2x SL	Max Detected Concentration	Max Exceedance Factor (Max Detect/SL)
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	72	85	85	85%		0	0	0%	0%	0	0	61.5	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	73	85	85	86%		0	0	0%	0%	0	0	20800	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	74	85	85	87%		0	0	0%	0%	0	0	190000	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	83	85	85	98%		0	0	0%	0%	0	0	57.1	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	78	85	85	92%		0	0	0%	0%	0	0	385	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	69	85	85	81%		0	0	0%	0%	0	0	2430	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	72	85	85	85%		0	0	0%	0%	0	0	33800	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	77	85	85	91%		0	0	0%	0%	0	0	18.6	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	80	85	85	94%		0	0	0%	0%	0	0	93	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	78	85	85	92%		0	0	0%	0%	0	0	290	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	83	85	85	98%		0	0	0%	0%	0	0	3230	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	79	85	85	93%		0	0	0%	0%	0	0	455	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	74	85	85	87%		0	0	0%	0%	0	0	518	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	79	85	85	93%		0	0	0%	0%	0	0	333	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	78	85	85	92%		0	0	0%	0%	0	0	10800	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	80	85	85	94%		0	0	0%	0%	0	0	1830	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	81	85	85	95%		0	0	0%	0%	0	0	53500	
Total Tetrachlorodibenzofuran (TCDF)	84	85	85	99%		0	0	0%	0%	0	0	336	
Total Pentachlorodibenzofuran (PeCDF)	84	85	85	99%		0	0	0%	0%	0	0	3790	
Total Hexachlorodibenzofuran (HxCDF)	83	85	85	98%		0	0	0%	0%	0	0	22900	
Total Heptachlorodibenzofuran (HpCDF)	80	85	85	94%		0	0	0%	0%	0	0	33400	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	85	85	85	100%	2	67	0	79%	0%	77.7	0	1025	513
PCB Aroclors (mg/kg-OC)													
Aroclor 1016	0	137	137	0%		0	0	0%	0%	0	0		
Aroclor 1221	0	137	137	0%		0	0	0%	0%	0	0		
Aroclor 1232	0	137	137	0%		0	0	0%	0%	0	0		
Aroclor 1242	1	137	137	1%		0	0	0%	0%	0	0	2.6	
Aroclor 1248	96	137	137	70%		0	0	0%	0%	0	0	101	
Aroclor 1254	117	137	137	85%		0	0	0%	0%	0	0	706	
Aroclor 1260	118	137	137	86%		0	0	0%	0%	0	0	78	
Total PCB Aroclors (SMS Marine 2013) (U = 0)	120	137	137	88%		0	0	0%	0%	0	0	706	
PCB Aroclors (µg/kg)													
Aroclor 1016	0	137	137	0%		0	0	0%	0%	0	0		
Aroclor 1221	0	137	137	0%		0	0	0%	0%	0	0		
Aroclor 1232	0	137	137	0%		0	0	0%	0%	0	0		
Aroclor 1242	1	137	137	1%		0	0	0%	0%	0	0	61	
Aroclor 1248	96	137	137	70%		0	0	0%	0%	0	0	1900	
Aroclor 1254	117	137	137	85%		0	0	0%	0%	0	0	8900	
Aroclor 1260	118	137	137	86%		0	0	0%	0%	0	0	1600	
Total PCB Aroclors (SMS Marine 2013) (U = 0)	120	137	137	88%	2	120	17	88%	12%	87.6	6.6	8900	4450

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
Metals (mg/kg)								
Antimony								
Arsenic	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Beryllium								
Cadmium	Yes							
Chromium	Yes							
Chromium VI								
Copper	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lead	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Mercury	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Nickel								
Selenium								
Silver	Yes							
Thallium								
Zinc	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Organometallic Compounds (µg/kg)								
Tributyltin (ion)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Volatile Organics (mg/kg-OC)								
1,2,4-Trichlorobenzene	Yes							
1,2-Dichlorobenzene	Yes	Yes	Yes					
1,4-Dichlorobenzene	Yes							
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	Yes							
Volatile Organics (µg/kg)								
1,1,1,2-Tetrachloroethane								
1,1,1-Trichloroethane								
1,1,2,2-Tetrachloroethane								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)								
1,1,2-Trichloroethane								
1,1-Dichloroethane								
1,1-Dichloroethene								
1,1-Dichloropropene								
1,2,3-Trichlorobenzene								
1,2,3-Trichloropropane								
1,2,4-Trichlorobenzene								
1,2,4-Trimethylbenzene								
1,2-Dibromo-3-chloropropane								
1,2-Dichlorobenzene								
1,2-Dichloroethane								
1,2-Dichloroethene, cis-								
1,2-Dichloroethene, trans-								
1,2-Dichloropropane								

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
1,3,5-Trimethylbenzene (Mesitylene)								
1,3-Dichloropropane								
1,3-Dichloropropene, cis-								
1,3-Dichloropropene, trans-								
1,4-Dichloro-2-butene, trans-								
1,4-Dichlorobenzene								
2,2-Dichloropropane								
2-Chloroethylvinyl ether								
2-Chlorotoluene								
2-Hexanone (Methyl butyl ketone)								
4-Chlorotoluene								
4-Methyl-2-pentanone (Methyl isobutyl ketone)								
Acetone								
Acrolein								
Acrylonitrile								
Benzene								
Bromobenzene								
Bromochloromethane								
Bromodichloromethane								
Bromoform (Tribromomethane)								
Bromomethane (Methyl bromide)								
Carbon disulfide								
Carbon tetrachloride (Tetrachloromethane)								
Chlorobenzene								
Chloroethane								
Chloroform								
Chloromethane								
Cymene, p- (4-Isopropyltoluene)								
Dibromochloromethane								
Dibromomethane								
Dichlorodifluoromethane								
Dichloromethane (Methylene chloride)								
Ethyl bromide (Bromoethane)								
Ethylbenzene								
Ethylene dibromide (1,2-Dibromoethane)								
Hexachlorobutadiene (Hexachloro-1,3-butadiene)								
Isopropylbenzene (Cumene)								
m,p-Xylene								
Methyl ethyl ketone (2-Butanone)								
Methyl iodide (Iodomethane)								
Methyl tert-butyl ether (MTBE)								

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
n-Butylbenzene								
n-Propylbenzene								
o-Xylene								
sec-Butylbenzene								
Styrene								
tert-Butylbenzene								
Tetrachloroethene (PCE)								
Toluene								
Trichloroethene (TCE)								
Trichlorofluoromethane (Fluorotrichloromethane)								
Vinyl acetate								
Vinyl chloride								
Semivolatile Organics (mg/kg-OC)								
1,2,4-Trichlorobenzene	Yes	Yes	Yes	Yes		Yes		
1,2-Dichlorobenzene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1,3-Dichlorobenzene								
1,4-Dichlorobenzene	Yes	Yes	Yes	Yes				
2,2'-Oxybis (1-chloropropane)								
2,3,4,6-Tetrachlorophenol								
2,4,5-Trichlorophenol								
2,4,6-Trichlorophenol								
2,4-Dichlorophenol								
2,4-Dimethylphenol								
2,4-Dinitrophenol								
2,4-Dinitrotoluene								
2,6-Dinitrotoluene								
2-Chloronaphthalene								
2-Chlorophenol								
2-Methylphenol (o-Cresol)								
2-Nitroaniline								
2-Nitrophenol								
3,3'-Dichlorobenzidine								
3-Nitroaniline								
4-Bromophenyl-phenyl ether								
4-Chloro-3-methylphenol								
4-Chloroaniline								
4-Chlorophenyl phenyl ether								
4-Methylphenol (p-Cresol)								
4-Nitroaniline								
4-Nitrophenol								
Benzoic acid								

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
Benzyl alcohol								
bis(2-Chloroethoxy)methane								
bis(2-Chloroethyl)ether								
bis(2-Ethylhexyl)phthalate	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Butylbenzyl phthalate	Yes	Yes	Yes	Yes		Yes		
Di-n-butyl phthalate	Yes							
Di-n-octyl phthalate	Yes							
Diethyl phthalate	Yes							
Dimethyl phthalate	Yes							
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)								
Hexachlorobenzene	Yes	Yes	Yes					
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	Yes	Yes	Yes					
Hexachlorocyclopentadiene								
Hexachloroethane								
Isophorone								
n-Nitrosodi-n-propylamine								
n-Nitrosodimethylamine								
n-Nitrosodiphenylamine	Yes	Yes	Yes	Yes				
Nitrobenzene								
Pentachlorophenol								
Phenol								
Semivolatile Organics (µg/kg)								
1,2,4-Trichlorobenzene								
1,2-Dichlorobenzene								
1,3-Dichlorobenzene								
1,4-Dichlorobenzene								
2,2'-Oxybis (1-chloropropane)								
2,3,4,6-Tetrachlorophenol								
2,4,5-Trichlorophenol								
2,4,6-Trichlorophenol								
2,4-Dichlorophenol								
2,4-Dimethylphenol	Yes	Yes	Yes	Yes		Yes		
2,4-Dinitrophenol								
2,4-Dinitrotoluene								
2,6-Dinitrotoluene								
2-Chloronaphthalene								
2-Chlorophenol								
2-Methylphenol (o-Cresol)	Yes	Yes	Yes	Yes				
2-Nitroaniline								
2-Nitrophenol								
3,3'-Dichlorobenzidine								

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
3-Nitroaniline								
4-Bromophenyl-phenyl ether								
4-Chloro-3-methylphenol								
4-Chloroaniline								
4-Chlorophenyl phenyl ether								
4-Methylphenol (p-Cresol)	Yes	Yes	Yes	Yes				
4-Nitroaniline								
4-Nitrophenol								
Benzoic acid	Yes	Yes	Yes	Yes				
Benzyl alcohol	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
bis(2-Chloroethoxy)methane								
bis(2-Chloroethyl)ether								
bis(2-Ethylhexyl)phthalate								
Butylbenzyl phthalate								
Di-n-butyl phthalate								
Di-n-octyl phthalate								
Diethyl phthalate								
Dimethyl phthalate								
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)								
Hexachlorobenzene								
Hexachlorobutadiene (Hexachloro-1,3-butadiene)								
Hexachlorocyclopentadiene								
Hexachloroethane								
Isophorone								
n-Nitrosodi-n-propylamine								
n-Nitrosodimethylamine								
n-Nitrosodiphenylamine								
Nitrobenzene								
Pentachlorophenol	Yes							
Phenol	Yes							
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)								
1-Methylnaphthalene								
2-Methylnaphthalene	Yes	Yes	Yes	Yes		Yes		
Acenaphthene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Acenaphthylene	Yes							
Anthracene	Yes							
Benzo(a)anthracene	Yes	Yes	Yes	Yes	Yes			
Benzo(a)pyrene	Yes	Yes	Yes	Yes				
Benzo(b)fluoranthene								
Benzo(b,j,k)fluoranthenes								
Benzo(g,h,i)perylene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
Benzo(k)fluoranthene								
Carbazole								
Chrysene	Yes	Yes	Yes	Yes	Yes			
Dibenzo(a,h)anthracene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Dibenzofuran	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Fluoranthene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Fluorene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Indeno(1,2,3-c,d)pyrene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Naphthalene	Yes	Yes	Yes	Yes		Yes		
Phenanthrene	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Pyrene	Yes							
Total Benzofluoranthenes (b,j,k) (U = 0)	Yes							
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)								
Total HPAH (SMS) (U = 0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Total LPAH (SMS) (U = 0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Polycyclic Aromatic Hydrocarbons (µg/kg)								
1-Methylnaphthalene								
2-Methylnaphthalene								
Acenaphthene								
Acenaphthylene								
Anthracene								
Benzo(a)anthracene								
Benzo(a)pyrene								
Benzo(b)fluoranthene								
Benzo(b,j,k)fluoranthenes								
Benzo(g,h,i)perylene								
Benzo(k)fluoranthene								
Carbazole								
Chrysene								
Dibenzo(a,h)anthracene								
Dibenzofuran								
Fluoranthene								
Fluorene								
Indeno(1,2,3-c,d)pyrene								
Naphthalene								
Phenanthrene								
Pyrene								
Total Benzofluoranthenes (b,j,k) (U = 0)								
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Total HPAH (SMS) (U = 0)								
Total LPAH (SMS) (U = 0)								

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
Pesticides (mg/kg-OC)								
Hexachlorobenzene	Yes	Yes	Yes					
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	Yes							
Pesticides (µg/kg)								
4,4'-DDD (p,p'-DDD)								
4,4'-DDE (p,p'-DDE)								
4,4'-DDT (p,p'-DDT)								
Aldrin								
Chlordane, alpha- (Chlordane, cis-)								
Chlordane, beta- (Chlordane, trans-)								
Dieldrin								
Endosulfan sulfate								
Endosulfan, alpha- (I)								
Endosulfan, beta (II)								
Endrin								
Endrin aldehyde								
Endrin ketone								
Heptachlor								
Heptachlor epoxide								
Hexachlorobenzene								
Hexachlorobutadiene (Hexachloro-1,3-butadiene)								
Hexachlorocyclohexane (BHC), alpha-								
Hexachlorocyclohexane (BHC), beta-								
Hexachlorocyclohexane (BHC), delta-								
Hexachlorocyclohexane (BHC), gamma- (Lindane)								
Methoxychlor								
Toxaphene								
Dioxin Furans (ng/kg)								
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)								
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)								
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)								
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)								

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

	Is SL Available ?	Is Analyte Concentration (D/ND) > SL ?	Analyte Retained as COPC?	Is FOD of COPC > 5% ?	Is EF of Ds > 5% or EF of NDs >25% ?	Is EF of Ds over 2x SL > 0 ?	Analyte Retained as COC?	Analyte Retained as Indicator Chemical?
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)								
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)								
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)								
Total Tetrachlorodibenzo-p-dioxin (TCDD)								
Total Pentachlorodibenzo-p-dioxin (PeCDD)								
Total Hexachlorodibenzo-p-dioxin (HxCDD)								
Total Heptachlorodibenzo-p-dioxin (HpCDD)								
2,3,7,8-Tetrachlorodibenzofuran (TCDF)								
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)								
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)								
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)								
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)								
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)								
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)								
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)								
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)								
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)								
Total Tetrachlorodibenzofuran (TCDF)								
Total Pentachlorodibenzofuran (PeCDF)								
Total Hexachlorodibenzofuran (HxCDF)								
Total Heptachlorodibenzofuran (HpCDF)								
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PCB Aroclors (mg/kg-OC)								
Aroclor 1016								
Aroclor 1221								
Aroclor 1232								
Aroclor 1242								
Aroclor 1248								
Aroclor 1254								
Aroclor 1260								
Total PCB Aroclors (SMS Marine 2013) (U = 0)								
PCB Aroclors (µg/kg)								
Aroclor 1016								
Aroclor 1221								
Aroclor 1232								
Aroclor 1242								
Aroclor 1248								
Aroclor 1254								
Aroclor 1260								
Total PCB Aroclors (SMS Marine 2013) (U = 0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 7-4
Summary of COPCs, COCs and ICs in Subsurface Sediment

Notes:
µg/kg = micrograms per kilogram
COC = chemical of concern
COPC = chemical of potential concern
cPAH = carcinogenic polycyclic aromatic hydrocarbon
D = detect
EF = exceedance frequency
FOD = frequency of detection
HPAH = high molecular weight polycyclic aromatic hydrocarbon
LPAH = low molecular weight polycyclic aromatic hydrocarbon
mg/kg = milligrams per kilogram
mg/kg-OC = milligrams per kilogram organic carbon normalized
ng/kg = nanograms per kilogram
ND = non-detect
PCB = polychlorinated biphenyl
SL = screening level
SMS = Sediment Management Standards
TEQ = Toxics Equivalents Quotient

Table 7-5a
Soil Results: Conventionals and Grain Size

	Location ID	DSI-GP-06	DSI-GP-06	DSI-GP-13	DSI-GP-17	DSI-GP-17	DSI-GT-01	DSI-GT-01	DSI-GT-01	DSI-GT-01	DSI-GT-01	DSI-GT-01	DSI-GT-01	DSI-GT-01	DSI-GT-01
	Depth	3 – 5 ft	5.5 – 8 ft	1 – 3.5 ft	1.5 – 4 ft	5 – 7.5 ft	10 – 12 ft	12 – 13.5 ft	15 – 16.5 ft	2.5 – 4 ft	20 – 21.5 ft	25 – 26.5 ft	30 – 31.5 ft	35 – 36.5 ft	40 – 41.5 ft
	Sample ID	DSI-GP-06-3-5	DSI-GP-06-5.5-8	DSI-GP-13-1-3.5	DSI-GP-17-1.5-4	DSI-GP-17-5-7.5	DSI-GT1-S4	DSI-GT1-S5	DSI-GT1-S6	DSI-GT1-S2	DSI-GT1-S7	DSI-GT1-S8	DSI-GT1-S9	DSI-GT1-S10	DSI-GT1-S11
	Sample Date	7/14/2009	7/14/2009	7/13/2009	7/13/2009	7/13/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009
	X	1267588.58	1267588.58	1267988.72	1267974.89	1267974.89	1267977.21	1267977.21	1267977.21	1267977.21	1267977.21	1267977.21	1267977.21	1267977.21	1267977.21
	Y	204506.76	204506.76	204516.84	204304.04	204304.04	204525.26	204525.26	204525.26	204525.26	204525.26	204525.26	204525.26	204525.26	204525.26
	Soil Screening Level														
Conventional Parameters (pct)															
Plastic limit		--	--	--	--	--	21	--	--	--	--	--	--	21	--
Plasticity index		--	--	--	--	--	5.6	--	--	--	--	--	--	5.6	--
Specific gravity		--	--	--	--	--	--	2.66	--	--	--	--	--	2.68	--
Conventional Parameters (unitless)															
Atterberg classification		--	--	--	--	--	-- CL-ML	--	--	--	--	-- Non-Plastic	--	-- CL-ML	--
Conventional Parameters (pct)															
Liquid limit		--	--	--	--	--	26.6	--	--	--	--	--	--	26.6	--
Moisture (water) content		18.72	22.72	11.59	8.84	39.49	42.16	45.06	29.67	22.23	25.8	34.01	40.32	38.61	39.52
Grain Size (pct)															
Total fines (Reported, not calculated)		--	11.9	--	16.8	--	--	--	8.9	--	--	--	--	--	--
Percent retained 1.3 micron sieve		0.7	--	1.4	--	6.2	--	--	--	--	--	--	2	--	--
Percent retained 3.2 micron sieve		2.1	--	2.3	--	10.9	--	--	--	--	--	--	2	--	--
Percent retained 7 micron sieve		2.1	--	2.8	--	8.5	--	--	--	--	--	--	1	--	--
Percent retained 9 micron sieve		0.1 U	--	1.8	--	5.4	--	--	--	--	--	--	3.5	--	--
Percent retained 13 micron sieve		1.4	--	2.8	--	7.8	--	--	--	--	--	--	3.5	--	--
Percent retained 22 micron sieve		1.4	--	4.1	--	9.3	--	--	--	--	--	--	5.5	--	--
Percent retained 32 micron sieve		3.7	--	10.5	--	5.4	--	--	--	--	--	--	15.4	--	--
Percent retained 75 micron sieve (#200)		7.9	19.5	10.5	4.5	13.8	--	--	14.5	--	--	--	29.4	--	--
Percent retained 150 micron sieve (#100)		17.3	16.9	11.8	15.6	13.2	--	--	26.8	--	--	--	23.4	--	--
Percent retained 250 micron sieve (#60)		33.6	17.1	22.8	34.9	8.1	--	--	33.2	--	--	--	7.9	--	--
Percent retained 425 micron sieve (#40)		19.9	10.3	22.2	21.1	3	--	--	15.9	--	--	--	0.9	--	--
Percent retained 850 micron sieve (#20)		4	2.4	3.4	3.8	0.6	--	--	0.6	--	--	--	0.6	--	--
Percent retained 2000 micron sieve (#10)		1.2	0.5	0.5	0.6	0.1	--	--	0.1	--	--	--	0.7	--	--
Percent retained 4750 micron sieve (#4)		1.3	0.3	0.1 U	0.7	0.1 U	--	--	0.1 U	--	--	--	0.1	--	--
Percent retained 9500 micron sieve		0.1 U	0.1 U	0.1 U	1.9	0.1 U	--	--	0.1 U	--	--	--	0.1 U	--	--
Percent retained 12500 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	0.1 U	--	--	--	0.1 U	--	--
Percent retained 19000 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	0.1 U	--	--	--	0.1 U	--	--
Percent retained 25K micron sieve		0.1 U	21.2	0.1 U	0.1 U	0.1 U	--	--	0.1 U	--	--	--	0.1 U	--	--
Percent retained 37.5K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	0.1 U	--	--	--	0.1 U	--	--
Percent retained 50K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	0.1 U	--	--	--	0.1 U	--	--
Percent retained 75K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	0.1 U	--	--	--	0.1 U	--	--
Percent passing < 1.3 micron sieve		3.5	--	3.2	--	7.8	--	--	--	--	--	--	4	--	--

Table 7-5a
Soil Results: Conventionals and Grain Size

	Location ID	DSI-GT-01	DSI-GT-01	DSI-GT-01	DSI-GT-01	DSI-GT-02	DSI-GT-02	DSI-GT-02	DSI-GT-02	DSI-GT-02	DSI-GT-02	DSI-GT-02	DSI-GT-02	DSI-GT-02	DSI-GT-02	DSI-GT-02	DSI-GT-02
	Depth	45 – 46.5 ft	5 – 6.5 ft	55 – 56.5 ft	60 – 61.5 ft	10 – 11.5 ft	15 – 16.5 ft	2.5 – 4 ft	20 – 21.5 ft	25 – 26.5 ft	30 – 31.5 ft	35 – 36.5 ft	40 – 41.5 ft	45 – 46.5 ft	5 – 6.5 ft	50 – 51.5 ft	55 – 56.5 ft
	Sample ID	DSI-GT1-S12	DSI-GT1-S3	DSI-GT1-S14	DSI-GT1-S15	DSI-GT2-S4	DSI-GT2-S5	DSI-GT2-S1	DSI-GT2-S6	DSI-GT2-S7	DSI-GT2-S8	DSI-GT2-S9	DSI-GT2-S10	DSI-GT2-S11	DSI-GT2-S2	DSI-GT2-S12	DSI-GT2-S13
	Sample Date	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009
	X	1267977.21	1267977.21	1267977.21	1267977.21	1267979.38	1267979.38	1267979.38	1267979.38	1267979.38	1267979.38	1267979.38	1267979.38	1267979.38	1267979.38	1267979.38	1267979.38
	Y	204525.26	204525.26	204525.26	204525.26	204368.14	204368.14	204368.14	204368.14	204368.14	204368.14	204368.14	204368.14	204368.14	204368.14	204368.14	204368.14
	Soil Screening Level																
Conventional Parameters (pct)																	
Plastic limit		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Plasticity index		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Specific gravity		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**2.68**
Conventional Parameters (unitless)																	
Atterberg classification		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Conventional Parameters (pct)																	
Liquid limit		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Moisture (water) content		**38.84**	**28.56**	**38.55**	**33.84**	**46.22**	**30.14**	**13.63**	**26.17**	**39.02**	**38.57**	**29.26**	**29.31**	**34.09**	**34.64**	**35.96**	**27.66**
Grain Size (pct)																	
Total fines (Reported, not calculated)		--	**9**	--	--	--	--	--	**8.1**	--	--	--	--	--	--	--	--
Percent retained 1.3 micron sieve		**1**	--	**2.6**	--	--	--	--	--	--	--	**0.7**	**0.6**	--	**0.6**	--	--
Percent retained 3.2 micron sieve		**1**	--	**3.3**	--	--	--	--	--	--	--	**1.3**	**1.8**	--	0.1 U	--	--
Percent retained 7 micron sieve		**1**	--	**2**	--	--	--	--	--	--	--	0.1 U	**0.6**	--	**1.3**	--	--
Percent retained 9 micron sieve		**2**	--	**3.3**	--	--	--	--	--	--	--	0.1 U	**2.5**	--	**1.3**	--	--
Percent retained 13 micron sieve		**3**	--	**5.9**	--	--	--	--	--	--	--	**1.3**	0.1 U	--	**0.6**	--	--
Percent retained 22 micron sieve		**3**	--	**9.2**	--	--	--	--	--	--	--	**1.3**	**2.5**	--	**2.6**	--	--
Percent retained 32 micron sieve		**12.8**	--	**33.6**	--	--	--	--	--	--	--	**9.6**	**13.1**	--	**11.9**	--	--
Percent retained 75 micron sieve (#200)		**22.4**	**21.7**	**26.4**	--	--	--	--	**4.3**	--	--	**32.6**	**27.6**	--	**40**	--	--
Percent retained 150 micron sieve (#100)		**34.7**	**28**	**7.1**	--	--	--	--	**7.7**	--	--	**36.1**	**31.8**	--	**27.2**	--	--
Percent retained 250 micron sieve (#60)		**13.4**	**28**	**1.2**	--	--	--	--	**27.5**	--	--	**13.8**	**12.8**	--	**7.5**	--	--
Percent retained 425 micron sieve (#40)		**1**	**10.3**	**0.1**	--	--	--	--	**33.4**	--	--	**1.2**	**2**	--	**1.6**	--	--
Percent retained 850 micron sieve (#20)		**0.2**	**1.4**	0.1 U	--	--	--	--	**12**	--	--	**0.1**	**0.3**	--	**0.6**	--	--
Percent retained 2000 micron sieve (#10)		**0.4**	**1.1**	0.1 U	--	--	--	--	**3.8**	--	--	0.1 U	**0.6**	--	**0.5**	--	--
Percent retained 4750 micron sieve (#4)		**0.2**	**0.5**	0.1 U	--	--	--	--	**2**	--	--	0.1 U	**0.8**	--	**1.1**	--	--
Percent retained 9500 micron sieve		0.1 U	0.1 U	0.1 U	--	--	--	--	**1.2**	--	--	0.1 U	0.1 U	--	0.1 U	--	--
Percent retained 12500 micron sieve		0.1 U	0.1 U	0.1 U	--	--	--	--	0.1 U	--	--	0.1 U	0.1 U	--	0.1 U	--	--
Percent retained 19000 micron sieve		0.1 U	0.1 U	0.1 U	--	--	--	--	0.1 U	--	--	0.1 U	0.1 U	--	0.1 U	--	--
Percent retained 25K micron sieve		0.1 U	0.1 U	0.1 U	--	--	--	--	0.1 U	--	--	0.1 U	0.1 U	--	0.1 U	--	--
Percent retained 37.5K micron sieve		0.1 U	0.1 U	0.1 U	--	--	--	--	0.1 U	--	--	0.1 U	0.1 U	--	0.1 U	--	--
Percent retained 50K micron sieve		0.1 U	0.1 U	0.1 U	--	--	--	--	0.1 U	--	--	0.1 U	0.1 U	--	0.1 U	--	--
Percent retained 75K micron sieve		0.1 U	0.1 U	0.1 U	--	--	--	--	0.1 U	--	--	0.1 U	0.1 U	--	0.1 U	--	--
Percent passing < 1.3 micron sieve		**4**	--	**5.3**	--	--	--	--	--	--	--	**2**	**3.1**	--	**3.2**	--	--

Table 7-5a
Soil Results: Conventionals and Grain Size

	Location ID	DSI-GT-02	DSI-GT-02	DSI-GT-02	DSI-MW-01	DSI-MW-01	DSI-MW-02	DSI-MW-02	DSI-MW-03	DSI-MW-04	DSI-MW-04	DSI-MW-06	DSI-MW-06
	Depth	60 – 61.5 ft	65 – 66.5 ft	7.5 – 9 ft	0.5 – 2 ft	5 – 6.5 ft	0 – 3 ft	5.5 – 7 ft	0 – 3 ft	0.5 – 2.5 ft	5 – 6.5 ft	0.5 – 3.5 ft	5 – 8 ft
	Sample ID	DSI-GT2-S14	DSI-GT2-S15	DSI-GT2-S3	DSI-MW-01-0.5-2.0	DSI-MW-01-5-6.5	DSI-MW-02-0-3	DSI-MW-02-5.5-7	DSI-MW-03-0-3	DSI-MW-04-0.5-2.5	DSI-MW-04-5-6.5	DSI-MW-06-0.5-3.5	DSI-MW-06-5-8
	Sample Date	7/16/2009	7/16/2009	7/16/2009	7/13/2009	7/13/2009	7/14/2009	7/14/2009	7/13/2009	7/14/2009	7/14/2009	7/15/2009	7/15/2009
	X	1267979.38	1267979.38	1267979.38	1267511.08	1267511.08	1267537.85	1267537.85	1267731.36	1267894.98	1267894.98	1267953.29	1267953.29
	Y	204368.14	204368.14	204368.14	204376.69	204376.69	204619.49	204619.49	204467.03	204416.16	204416.16	204456.31	204456.31
	Soil Screening Level												
Conventional Parameters (pct)													
Plastic limit		--	--	32.1	--	--	--	--	--	--	--	--	--
Plasticity index		--	--	17.5	--	--	--	--	--	--	--	--	--
Specific gravity		--	--	2.59	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)													
Atterberg classification		--	--	-- ML	--	--	--	--	--	--	--	--	--
Conventional Parameters (pct)													
Liquid limit		--	--	49.6	--	--	--	--	--	--	--	--	--
Moisture (water) content		36.41	36.07	67.74	15.84	26.96	5.2	18.85	16.31	19.25	26.94	15.5	31.48
Grain Size (pct)													
Total fines (Reported, not calculated)		--	17.4	--	--	9.2	11.9	10.1	--	--	5.4	--	--
Percent retained 1.3 micron sieve		--	--	--	0.8	--	--	--	1.7	6.4	--	2	2.4
Percent retained 3.2 micron sieve		--	--	--	3.4	--	--	--	3.8	7.7	--	4.9	2.9
Percent retained 7 micron sieve		--	--	--	1.3	--	--	--	2.5	8.4	--	2.9	4.8
Percent retained 9 micron sieve		--	--	--	1.7	--	--	--	3.8	1.9	--	2.4	1.9
Percent retained 13 micron sieve		--	--	--	3.8	--	--	--	2.5	10.3	--	4.9	1.4
Percent retained 22 micron sieve		--	--	--	5.9	--	--	--	4.2	5.1	--	5.4	2.9
Percent retained 32 micron sieve		--	--	--	20.3	--	--	--	7.3	6.8	--	16.8	4.8
Percent retained 75 micron sieve (#200)		--	35.1	--	11.8	16.3	2.6	13.2	7.7	6.9	12.6	7.9	18.7
Percent retained 150 micron sieve (#100)		--	34.2	--	4.8	22.2	3.7	23.4	9.5	7.7	28.6	10	23.6
Percent retained 250 micron sieve (#60)		--	10.1	--	7	29.7	6.6	33.7	15	10.4	39.2	18.6	22.4
Percent retained 425 micron sieve (#40)		--	1.7	--	7.5	18.8	7.4	15.8	11.5	7.6	13	14.5	5.7
Percent retained 850 micron sieve (#20)		--	0.9	--	6.2	3	7.5	2.2	6.2	2.3	0.8	2.4	1
Percent retained 2000 micron sieve (#10)		--	0.6	--	9.1	0.4	10.8	0.6	8.4	3.1	0.2	0.9	0.7
Percent retained 4750 micron sieve (#4)		--	0.1 U	--	6.5	0.4	12.6	1	7.5	5	0.3	1.3	0.2
Percent retained 9500 micron sieve		--	0.1 U	--	2.6	0.1 U	6.8	0.1 U	2.3	2.5	0.1 U	1.2	1.3
Percent retained 12500 micron sieve		--	0.1 U	--	3.1	0.1 U	14.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.9
Percent retained 19000 micron sieve		--	0.1 U	--	0.1 U	0.1 U	9.9	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 25K micron sieve		--	0.1 U	--	0.1 U	0.1 U	6.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 37.5K micron sieve		--	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 50K micron sieve		--	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 75K micron sieve		--	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent passing < 1.3 micron sieve		--	--	--	4.2	--	--	--	5.9	7.7	--	3.9	2.4

Table 7-5a
Soil Results: Conventionals and Grain Size

	Location ID	DSIP2-GT-01	DSIP2-GT-01	DSIP2-GT-01	DSIP2-GT-02	DSIP2-GT-02	DSIP2-GT-02	DSIP2-GT-03	DSIP2-GT-03
	Depth	10 – 11.5 ft	15 – 16.5 ft	5 – 6.5 ft	11.5 – 12.5 ft	15 – 16.5 ft	5 – 6.5 ft	15 – 16.5 ft	5 – 6.5 ft
	Sample ID	DSIP2-GT-01-10-11.5	DSIP2-GT-01-15-16.5	DSIP2-GT-01-5-6.5	DSIP2-GT-02-11.5-12.5	DSIP2-GT-02-15-16.5	DSIP2-GT-02-5-6.5	DSIP2-GT-03-15-16.5	DSIP2-GT-03-5-6.5
	Sample Date	12/5/2013	12/5/2013	12/5/2013	12/5/2013	12/5/2013	12/5/2013	12/5/2013	12/5/2013
	X	1267747.03	1267747.03	1267747.03	1267499.94	1267499.94	1267499.94	1267699.13	1267699.13
	Y	204506.10	204506.10	204506.10	204532.94	204532.94	204532.94	204442.77	204442.77
	Soil Screening Level								
Conventional Parameters (pct)									
Plastic limit		**31.1**	--	--	**48.5**	--	--	--	--
Plasticity index		**7.6**	--	--	**37**	--	--	--	--
Specific gravity		--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Atterberg classification		**-- ML**	--	--	**-- MH**	--	--	--	--
Conventional Parameters (pct)									
Liquid limit		**38.7**	--	--	**85.5**	--	--	--	--
Moisture (water) content		**45.84**	**23.74**	**26.21**	**89.35**	**32.21**	**25.89**	**25.27**	**26.31**
Grain Size (pct)									
Total fines (Reported, not calculated)		--	--	--	--	--	--	--	--
Percent retained 1.3 micron sieve		--	--	**0.4**	--	--	**0.9**	--	**1.8**
Percent retained 3.2 micron sieve		--	--	**0.4**	--	--	**1.3**	--	**2.4**
Percent retained 7 micron sieve		--	--	**0.4**	--	--	**0.4**	--	**2.4**
Percent retained 9 micron sieve		--	--	**0.4**	--	--	**0.9**	--	**1.8**
Percent retained 13 micron sieve		--	--	**0.8**	--	--	**2.1**	--	**3.6**
Percent retained 22 micron sieve		--	--	0.1 U	--	--	**1.3**	--	**1.2**
Percent retained 32 micron sieve		--	--	**7.3**	--	--	**8.9**	--	**7.8**
Percent retained 75 micron sieve (#200)		--	--	**20.3**	--	--	**24.4**	--	**14.6**
Percent retained 150 micron sieve (#100)		--	--	**25.4**	--	--	**26**	--	**16**
Percent retained 250 micron sieve (#60)		--	--	**25.7**	--	--	**21.8**	--	**19.8**
Percent retained 425 micron sieve (#40)		--	--	**14**	--	--	**8**	--	**14.3**
Percent retained 850 micron sieve (#20)		--	--	**1.9**	--	--	**0.8**	--	**3.9**
Percent retained 2000 micron sieve (#10)		--	--	**0.4**	--	--	**0.2**	--	**2.5**
Percent retained 4750 micron sieve (#4)		--	--	**0.3**	--	--	**0.6**	--	**1.5**
Percent retained 9500 micron sieve		--	--	**0.5**	--	--	0.1 U	--	0.1 U
Percent retained 12500 micron sieve		--	--	0.1 U	--	--	0.1 U	--	0.1 U
Percent retained 19000 micron sieve		--	--	0.1 U	--	--	0.1 U	--	0.1 U
Percent retained 25K micron sieve		--	--	0.1 U	--	--	0.1 U	--	0.1 U
Percent retained 37.5K micron sieve		--	--	0.1 U	--	--	0.1 U	--	0.1 U
Percent retained 50K micron sieve		--	--	0.1 U	--	--	0.1 U	--	0.1 U
Percent retained 75K micron sieve		--	--	0.1 U	--	--	0.1 U	--	0.1 U
Percent passing < 1.3 micron sieve		--	--	**1.6**	--	--	**2.6**	--	**6.5**

Table 7-5a
Soil Results: Conventionals and Grain Size

Notes:
Bold = Detected result
-- = not analyzed
CL-ML = lean (low plasticity) clay and silt
ft = foot
MH = fat (high plasticity) clay
ML = silt (low plasticity)
pct = percent
U = Compound analyzed, but not detected above detection limit

Table 7-5b
Soil Results: Metals and TBT

	Location ID	DSI-01	DSI-01	DSI-02	DSI-02	DSI-03	DSI-03	DSI-04	DSI-04	DSI-05	DSI-05	DSI-06	DSI-06	DSI-07	DSI-07	DSI-08	DSI-08
	Depth	0 – 3 ft	4 – 6 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	5 – 6.5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	4 – 6 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft
	Sample ID	DSI01-SO-A	DSI01-SO-B	DSI02-SO-A	DSI02-SO-B	DSI03-SO-A	DSI03-SO-B	DSI04-SO-A	DSI04-SO-B	DSI05-SO-A	DSI05-SO-B	DSI06-SO-A	DSI06-SO-B	DSI07-SO-A	DSI07-SO-B	DSI08-SO-A	DSI08-SO-B
	Sample Date	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267483.65	1267483.65	1267482.28	1267482.28	1267538.20	1267538.20	1267677.30	1267677.30	1267664.49	1267664.49	1267832.57	1267832.57	1267843.29	1267843.29	1267815.08	1267815.08
	Y	204362.38	204362.38	204484.72	204484.72	204614.54	204614.54	204577.53	204577.53	204414.79	204414.79	204403.48	204403.48	204440.17	204440.17	204599.08	204599.08
	Soil Screening Level																
Conventional Parameters (pct)																	
Total organic carbon		1.11	0.384	0.305	0.698	0.325	0.781	0.579	0.084	1.07	0.226	1.37	0.308	1.05	0.097	0.661	0.133
Total solids		88.4	80.2	96.1	78.6	96.1	89.4	74.3	87.6	76.7	88.9	78.4	90.2	74.1	95.5	70.4	92.9
Metals (mg/kg)																	
Antimony		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	7.3	48.1 J	3.5	18.9	5.8	7.1	10.4	6.4	1.1	7.1	1.3	7	2.2	4.3 J	1.6	4.8	0.7
Barium		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	0.77	0.4	0.2	2 U	0.3	1 U	0.5	0.5	0.2 U	0.6	0.2 U	0.3	0.2 U	0.3 U	0.2 U	0.3 U	0.2 U
Chromium	260	20.4	15.9	5	21.7	61	34	27.2	10.4	21.1	11	20	15.2	19.6	25.9	17.7	9.7
Chromium VI	0.96	0.125 UJ	0.135 UJ	0.116 UJ	0.14 UJ	0.111 UJ	0.126 UJ	0.151 UJ	0.127 UJ	0.142 UJ	0.127 UJ	0.143 UJ	0.12 UJ	0.15 UJ	0.115 UJ	0.16 UJ	0.116 UJ
Copper	36	103 J	20.4	55	33.6	539	238	45.9	9	122	11.9	37.1	18.2	52.1 J	10.3	31	8.5
Lead	81	36 J	6	20 U	32	460	94	14	2 U	78	3	14	6	11 J	3	11	2 U
Mercury	0.07	0.09	0.05 U	0.05	0.2	0.05 U	0.05 U	0.15	0.04 U	0.27	0.04 U	0.14	0.05 U	0.72 J	0.04 U	0.1	0.05 U
Nickel	38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	0.2	0.3 U	0.3 U	3 U	0.4 U	2 U	0.8 U	0.4 U	0.3 U	0.4 U	0.3 U	0.4 U	0.3 U	0.4 U	0.3 U	0.4 U	0.3 U
Thallium		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	85	192	36.8	57	57.7	129	160	85.4	21.9	127	26.4	57.5	33.6	53.2	29.1	52.3	30.5
Organometallic Compounds (µg/kg)																	
Tributyltin (ion)	73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 7-5b
Soil Results: Metals and TBT

	Location ID	DSI-09	DSI-09	DSI-10	DSI-10	DSI-11	DSI-11	DSI-12	DSI-12	DSI-GP-01	DSI-GP-01	DSI-GP-02	DSI-GP-02	DSI-GP-03	DSI-GP-03
	Depth	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	2.5 – 4.5 ft	5.5 – 7.5 ft	2.5 – 5.5 ft	5.5 – 7.5 ft	1.5 – 4 ft	5.5 – 8 ft
	Sample ID	DSI09-SO-A	DSI09-SO-B	DSI10-SO-A	DSI10-SO-B	DSI11-SO-A	DSI11-SO-B	DSI12-SO-A	DSI12-SO-B	DSI-GP-01-2.5-4.5	DSI-GP-01-5.5-7.5	DSI-GP-02-2.5-5.5	DSI-GP-02-5.5-7.5	DSI-GP-03-1.5-4	DSI-GP-03-5.5-8
	Sample Date	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	7/15/2009	7/15/2009	7/15/2009	7/15/2009	7/15/2009	7/15/2009
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267972.09	1267972.09	1267928.64	1267928.64	1267970.43	1267970.43	1267970.42	1267970.42	1267444.94	1267444.94	1267499.15	1267499.15	1267485.17	1267485.17
	Y	204599.10	204599.10	204456.02	204456.02	204358.81	204358.81	204269.04	204269.04	204366.80	204366.80	204352.94	204352.94	204444.55	204444.55
	Soil Screening Level														
Conventional Parameters (pct)															
Total organic carbon		0.939	2.35	1.3	0.147	1.34	0.099	1.25	1.12	--	--	--	--	--	--
Total solids		92.6	89.6	69.7	95.3	76.1	93.7	87.7	86.7	--	--	--	--	--	--
Metals (mg/kg)															
Antimony		--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	7.3	3.7	20.2	6.2	1.9	4.4	1.4	17.1	3.3	8	13	10	6	7	6 U
Barium		--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium		--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	0.77	0.3	8.5	0.3 U	0.2 U	0.3	0.2 U	0.2	0.2 U	--	--	--	--	--	--
Chromium	260	17.4	36	20.2	14.2	17.1	11.4	20.1	15.5	--	--	--	--	--	--
Chromium VI	0.96	0.117 UJ	0.124 UJ	0.157 UJ	0.117 UJ	2.05 J	0.12 UJ	0.125 UJ	0.123 UJ	--	--	--	--	--	--
Copper	36	65.9	3310	29	8.8	49	8.4	34.2	18.1	--	--	--	--	--	--
Lead	81	118	4940	8	11	92	2 U	20	6	--	--	--	--	--	--
Mercury	0.07	0.31	0.18	0.11	0.04 U	0.76	0.04 U	0.08	0.05 U	--	--	--	--	--	--
Nickel	38	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	0.2	0.3 U	1.2	0.4 U	0.3 U	0.4 U	0.3 U	0.3 U	0.3 U	--	--	--	--	--	--
Thallium		--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	85	115	5840	43.7	25.2	78.3	23	77.4	36.8	--	--	--	--	--	--
Organometallic Compounds (µg/kg)															
Tributyltin (ion)	73	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 7-5b
Soil Results: Metals and TBT

	Location ID	DSI-GP-12	DSI-GP-12	DSI-GP-13	DSI-GP-13	DSI-GP-14	DSI-GP-14	DSI-GP-15	DSI-GP-15	DSI-GP-16	DSI-GP-16	DSI-GP-17	DSI-GP-17
	Depth	1 – 3.5 ft	5 – 10 ft	1 – 3.5 ft	5 – 7.3 ft	2.5 – 4.5 ft	5 – 7 ft	1.5 – 4 ft	6 – 8 ft	2.1 – 4.5 ft	7.5 – 10 ft	1.5 – 4 ft	5 – 7.5 ft
	Sample ID	DSI-GP-12-1-3.5	DSI-GP-12-5-10	DSI-GP-13-1-3.5	DSI-GP-13-5-7.3	DSI-GP-14-2.5-4.5	DSI-GP-14-5-7	DSI-GP-15-1.5-4	DSI-GP-15-6-8	DSI-GP-16-2.1-4.5	DSI-GP-16-7.5-10	DSI-GP-17-1.5-4	DSI-GP-17-5-7.5
	Sample Date	7/14/2009	7/14/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267998.94	1267998.94	1267988.72	1267988.72	1267995.40	1267995.40	1267993.21	1267993.21	1268022.76	1268022.76	1267974.89	1267974.89
	Y	204597.25	204597.25	204516.84	204516.84	204444.88	204444.88	204385.91	204385.91	204368.45	204368.45	204304.04	204304.04
	Soil Screening Level												
Conventional Parameters (pct)													
Total organic carbon		--	--	--	--	--	--	--	--	--	--	--	--
Total solids		--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/kg)													
Antimony		20 UJ	7 UJ	5 UJ	6 UJ	6 UJ	6 UJ	5 UJ	6 UJ	5 UJ	7 UJ	5 UJ	7 UJ
Arsenic	7.3	20 U	**9**	5 U	6 U	**9**	**8**	5 U	6 U	5 U	7 U	5 U	7 U
Barium		--	--	--	--	--	--	--	--	--	--	--	--
Beryllium		--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	0.77	**0.9**	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.3 U	0.2 U	0.3 U
Chromium	260	**30 J**	**22.1 J**	**15.7**	**13.4**	**22**	**18.1**	**11.5**	**12.9**	**10.6**	**14**	**12.8**	**14.3**
Chromium VI	0.96	--	--	--	--	--	--	--	--	--	--	--	--
Copper	36	**251 J**	**57.8 J**	**46.5**	**26.3**	**159**	**85**	**8.4**	**11.4**	**8**	**18.7**	**15**	**18.2**
Lead	81	**492 J**	**342 J**	**53**	**10**	**98**	**52**	**3**	3 U	2 U	**6**	**3**	**3**
Mercury	0.07	**0.59**	**0.07**	**0.16**	**0.06**	**1.63**	**0.68**	0.02 U	0.03 U	0.02 U	0.03 U	0.03 U	0.03 U
Nickel	38	**28 J**	**12 J**	**8**	**11**	**14**	**14**	**7**	**9**	**7**	**10**	**8**	**10**
Selenium	0.5	0.6 U	0.7 U	0.5 U	0.6 U	0.6 U	0.6 U	0.5 U	0.6 U	0.5 U	0.7 U	0.5 U	0.7 U
Silver	0.2	0.9 U	0.4 U	0.3 U	0.4 U	0.3 U	0.4 U	0.3 U	0.4 U	0.3 U	0.4 U	0.3 U	0.4 U
Thallium		--	--	--	--	--	--	--	--	--	--	--	--
Zinc	85	**386**	**223**	**98**	**53**	**227**	**133**	**23**	**25**	**23**	**43**	**44**	**32**
Organometallic Compounds (µg/kg)													
Tributyltin (ion)	73	--	--	--	--	--	--	--	--	--	--	--	--

Table 7-5b
Soil Results: Metals and TBT

	Location ID	DSI-GP-19	DSI-GP-19	DSI-GP-20	DSI-GP-20	DSI-GP-21	DSI-GP-21	DSI-GP-21	DSI-MW-01	DSI-MW-01	DSI-MW-05	DSI-MW-05	DSI-MW-06
	Depth	3 – 5 ft	5.5 – 8 ft	3 – 5 ft	5.5 – 8 ft	2 – 4.5 ft	2 – 4.5 ft	5.5 – 8 ft	0.5 – 2 ft	5 – 6.5 ft	0.5 – 3 ft	5 – 8 ft	0.5 – 3.5 ft
	Sample ID	DSI-GP-19-3-5	DSI-GP-19-5.5-8	DSI-GP-20-3-5	DSI-GP-20-5.5-8	DSI-GP-21-2-4.5	DSI-GP-71-2-4.5	DSI-GP-21-5.5-8	DSI-MW-01-0.5-2.0	DSI-MW-01-5-6.5	DSI-MW-05-0.5-3.0	DSI-MW-05-5-8	DSI-MW-06-0.5-3.5
	Sample Date	7/16/2009	7/16/2009	7/15/2009	7/15/2009	7/16/2009	7/16/2009	7/16/2009	7/13/2009	7/13/2009	7/14/2009	7/14/2009	7/15/2009
	Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N
	X	1267668.90	1267668.90	1267785.57	1267785.57	1267891.80	1267891.80	1267891.80	1267511.08	1267511.08	1267969.75	1267969.75	1267953.29
	Y	204346.90	204346.90	204370.10	204370.10	204378.83	204378.83	204378.83	204376.69	204376.69	204575.21	204575.21	204456.31
	Soil Screening Level												
Conventional Parameters (pct)													
Total organic carbon		--	--	--	--	--	--	--	--	--	--	--	--
Total solids		--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/kg)													
Antimony		5 UJ	6 UJ	5 UJ	6 UJ	6 UJ	5 UJ	6 UJ	--	--	5 UJ	6 UJ	6 UJ
Arsenic	7.3	**10**	6 U	**24**	6 U	6 U	5 U	6 U	**23**	**7**	**12**	6 U	**6**
Barium		--	--	--	--	--	--	--	--	--	--	--	--
Beryllium		--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	0.77	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	**0.3**	0.2 U	--	--	**0.2**	0.3 U	0.2 U
Chromium	260	**12**	**10.8**	**12.1**	**9.5**	**62.4**	**45.2**	**20.6**	--	--	**16.1 J**	**11.1 J**	**10.9**
Chromium VI	0.96	--	--	--	--	--	--	--	--	--	--	--	--
Copper	36	**10.3**	**9.2**	**16.5**	**9.4**	**26.4**	**21.4**	**18.5**	--	--	**38.6 J**	**11.2 J**	**19.7**
Lead	81	**3**	2 U	**7**	2 U	**39**	**264**	**50**	--	--	**56 J**	3 UJ	**9**
Mercury	0.07	0.02 U	0.03 U	**0.02**	0.02 U	**0.08**	**0.04**	0.02 U	--	--	**0.12**	0.02 U	**0.04**
Nickel	38	**8**	**8**	**8**	**6**	**12**	**12**	**11**	--	--	**8 J**	**7 J**	**7**
Selenium	0.5	0.5 U	0.6 U	0.5 U	0.6 U	0.6 U	0.5 U	0.5 U	--	--	0.5 U	0.6 U	0.6 U
Silver	0.2	0.3 U	0.4 U	0.3 U	0.4 U	0.3 U	0.3 U	0.3 U	--	--	0.3 U	0.4 U	0.3 U
Thallium		--	--	--	--	--	--	--	--	--	--	--	--
Zinc	85	**26 J**	**35 J**	**28**	**20**	**117 J**	**89 J**	**81 J**	--	--	**81**	**42**	**34**
Organometallic Compounds (µg/kg)													
Tributyltin (ion)	73	--	--	--	--	--	--	--	--	--	--	--	--

Table 7-5b
Soil Results: Metals and TBT

	Location ID	DSI-MW-06	DSI-MW-08	DSI-MW-08	DSI-MW-10	DSI-MW-10	DSIP2-01_1311	DSIP2-01_1311	DSIP2-01_1311	DSIP2-01_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311
	Depth	5 – 8 ft	0.5 – 2 ft	5 – 8 ft	0.5 – 3.5 ft	5 – 8 ft	2.5 – 4.5 ft	5 – 7 ft	7 – 9 ft	9.5 – 11.5 ft	11 – 13 ft	2 – 4 ft	5 – 7 ft	8 – 10 ft
	Sample ID	DSI-MW-06-5-8	DSI-MW-08-0.5-2	DSI-MW-08-5-8	DSI-MW-10-0.5-3.5	DSI-MW-10-5-8	DSIP2-01-2.5-4.5	DSIP2-01-5-7	DSIP2-01-7-9	DSIP2-01-9.5-11.5	DSIP2-02-11-13	DSIP2-02-2-4	DSIP2-02-5-7	DSIP2-02-8-10
	Sample Date	7/15/2009	7/15/2009	7/15/2009	7/14/2009	7/14/2009	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267953.29	1267967.62	1267967.62	1267964.60	1267964.60	1267569.74	1267569.74	1267569.74	1267569.74	1267562.38	1267562.38	1267562.38	1267562.38
	Y	204456.31	204366.34	204366.34	204275.46	204275.46	204573.92	204573.92	204573.92	204573.92	204456.85	204456.85	204456.85	204456.85
	Soil Screening Level													
Conventional Parameters (pct)														
Total organic carbon		--	--	--	--	--	**1.73**	**0.136**	**0.16**	**1.6**	**4.45**	**1.21**	**0.111**	**0.567**
Total solids		--	--	--	--	--	**79.52**	**80.69**	**79.72**	**62.48**	**46.17**	**88.32**	**82.37**	**73.16**
Metals (mg/kg)														
Antimony		6 UJ	5 UJ	6 UJ	5 UJ	6 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.3 UJ	0.4 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Arsenic	7.3	6 U	**8**	6 U	**25**	**14**	**6.5**	**1.3**	**1.4**	**4.2**	**9.7**	**5.4**	**1.7**	**2**
Barium		--	--	--	--	--	**54.7**	**17.6**	**17.2**	**27.7**	**33**	**36.3**	**14.2**	**20.7**
Beryllium		--	--	--	--	--	0.2 U	0.2 U	0.2 U	0.3 U	0.4 U	0.2 U	0.2 U	0.2 U
Cadmium	0.77	0.3 U	**0.3**	0.2 U	0.2 U	0.3 U	**0.3**	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
Chromium	260	**10.8**	**19.8**	**9.7**	**15 J**	**18.3 J**	**21**	**8.8**	**7.8**	**11.2**	**14**	**15**	**7.3**	**8**
Chromium VI	0.96	--	--	--	--	--	**-- R**	**-- R**	**-- R**	**-- R**	**2.41 J**	**-- R**	**-- R**	**-- R**
Copper	36	**21.9**	**77.8**	**18.3**	**27.2 J**	**28 J**	**46.5**	**7.3**	**8.4**	**19.1**	**28**	**37.2**	**8.4**	**11.4**
Lead	81	**5**	**56**	**5**	**17 J**	**11 J**	**105**	**1.1**	**1.1**	**2.7**	**3.8**	**40.7**	**1.1**	**1.4**
Mercury	0.07	0.03 U	**0.21**	**0.1**	**0.07**	**0.04**	**0.11**	0.03 U	0.02 U	0.04 U	0.04 U	**0.1**	0.03 U	0.02 U
Nickel	38	**8**	**17**	**11**	**8 J**	**12 J**	**18.1**	**7.1**	**7.5**	**11.3**	**12**	**10.9**	**5.5**	**7.6**
Selenium	0.5	0.7 U	0.5 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U	0.8 U	1 U	0.5 U	0.6 U	0.6 U
Silver	0.2	0.4 U	0.3 U	0.4 U	0.3 U	0.4 U	0.2 U	0.2 U	0.2 U	0.3 U	0.4 U	0.2 U	0.2 U	0.2 U
Thallium		--	--	--	--	--	0.2 U	0.2 U	0.2 U	0.3 U	0.4 U	0.2 U	0.2 U	0.2 U
Zinc	85	**27**	**91**	**39**	**88**	**56**	**77**	**21**	**21**	**30**	**31**	**46**	**20**	**21**
Organometallic Compounds (µg/kg)														
Tributyltin (ion)	73	--	--	--	--	--	**4.2**	3.4 U	3.5 U	3.6 U	3.7 U	3.6 U	3.8 U	3.6 U

Table 7-5b
Soil Results: Metals and TBT

	Location ID	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-05_1311	DSIP2-05_1311	DSIP2-05_1311	DSIP2-05_1311
	Depth	10.5 – 12.5 ft	2 – 4 ft	2 – 4 ft	5 – 7 ft	7.5 – 9.5 ft	11 – 12.5 ft	2 – 4 ft	5.5 – 7 ft	8 – 9.5 ft	1.5 – 3.5 ft	11 – 13 ft	4 – 6 ft	8 – 10 ft
	Sample ID	DSIP2-03-10.5-12.5	DSIP2-03-2-4	DSIP2-53-2-4	DSIP2-03-5-7	DSIP2-03-7.5-9.5	DSIP2-04-11-12.5	DSIP2-04-2-4	DSIP2-04-5.5-7	DSIP2-04-8-9.5	DSIP2-05-1.5-3.5	DSIP2-05-11-13	DSIP2-05-4-6	DSIP2-05-8-10
	Sample Date	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	11/20/2013	11/20/2013	11/20/2013	11/20/2013
	Sample Type	N	N	FD	N	N	N	N	N	N	N	N	N	N
	X	1267719.57	1267719.57	1267719.57	1267719.57	1267719.57	1267759.22	1267759.22	1267759.22	1267759.22	1267858.93	1267858.93	1267858.93	1267858.93
	Y	204356.99	204356.99	204356.99	204356.99	204356.99	204362.24	204362.24	204362.24	204362.24	204370.83	204370.83	204370.83	204370.83
	Soil Screening Level													
Conventional Parameters (pct)														
Total organic carbon		**5.16**	**0.469**	**0.615**	**0.06**	**0.124**	**6.23**	**0.445**	**0.07**	**0.318**	**2.87 J**	**2.19 J**	**0.271 J**	**0.601 J**
Total solids		**51.67**	**87.78**	**88.11**	**80.87**	**73.02**	**52.86**	**92.74**	**78.83**	**70.86**	**82.42**	**61.95**	**84.49**	**72.01**
Metals (mg/kg)														
Antimony		0.4 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.3 UJ	0.4 UJ	0.2 UJ	0.2 UJ	0.3 UJ	**3.6 J**	0.3 UJ	0.2 UJ	0.2 UJ
Arsenic	7.3	**13.8**	**6.7**	**7.7**	**3**	**1.5**	**8.5**	**7.7**	**2.2**	**1.4**	**441**	**5**	**3.8**	**2.9**
Barium		**31.4**	**31**	**33.7**	**19.8**	**17.9**	**32.6**	**42**	**21**	**18.5**	**58.4**	**26.3**	**16.7**	**20.3**
Beryllium		0.4 U	0.2 U	0.2 U	0.2 U	0.3 U	0.4 U	0.2 U	0.2 U	0.3 U	**0.4**	**0.3**	0.2 U	0.2 U
Cadmium	0.77	**0.2**	**0.2**	**0.2**	0.1 U	0.1 U	0.2 U	**0.2**	0.1 U	0.1 U	**0.8**	0.1 U	**0.1**	0.1 U
Chromium	260	**15.1**	**11.8**	**14**	**9**	**7.8**	**14.7**	**18.1**	**10**	**7.6**	**38**	**15.6**	**9.6**	**10.4**
Chromium VI	0.96	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**1.66 J**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
Copper	36	**35.1**	**19.1**	**20.3**	**8.7**	**10.2**	**31**	**49.2**	**9.6**	**8.6**	**296**	**28.1**	**10.6**	**15.3**
Lead	81	**4.5**	**10.9**	**13.8**	**1.2**	**1.4**	**3.8**	**29**	**1.4**	**1.1**	**322**	**3.7**	**2.5**	**2**
Mercury	0.07	**0.05**	**0.14**	**0.1**	0.02 U	0.03 U	**0.04**	**0.1**	0.02 U	0.03 U	**0.55**	**0.04**	0.02 U	0.03 U
Nickel	38	**13.2**	**11.5**	**13.6**	**7**	**7.6**	**12.4**	**24.7**	**8.2**	**5.9**	**27.8**	**13.3**	**9.6**	**9.9**
Selenium	0.5	0.9 U	0.5 U	0.5 U	0.6 U	0.7 U	0.9 U	0.5 U	0.6 U	0.7 U	0.5 U	0.7 U	0.6 U	0.6 U
Silver	0.2	0.4 U	0.2 U	0.2 U	0.2 U	0.3 U	0.4 U	0.2 U	0.2 U	0.3 U	**0.4 J**	0.3 UJ	0.2 UJ	0.2 UJ
Thallium		0.4 U	0.2 U	0.2 U	0.2 U	0.3 U	0.4 U	0.2 U	0.2 U	0.3 U	0.2 U	0.3 U	0.2 U	0.2 U
Zinc	85	**29**	**51**	**55**	**22**	**20**	**38**	**83**	**25**	**19**	**810**	**37**	**30**	**23**
Organometallic Compounds (µg/kg)														
Tributyltin (ion)	73	3.7 U	3.6 U	3.6 U	3.4 U	3.5 U	3.5 U	**55**	3.8 U	3.5 U	**52**	3.4 U	3.2 U	3.7 U

Table 7-5b
Soil Results: Metals and TBT

	Location ID	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311
	Depth	2 – 4 ft	4 – 6 ft	4 – 6 ft	6 – 8 ft	8.5 – 10 ft	1 – 3 ft	3 – 5 ft	5 – 7 ft	8 – 10 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	8.5 – 10.5 ft
	Sample ID	DSIP2-06-2-4	DSIP2-06-4-6	DSIP2-56-4-6	DSIP2-06-6-8	DSIP2-06-8.5-10	DSIP2-07-1-3	DSIP2-07-3-5	DSIP2-07-5-7	DSIP2-07-8-10	DSIP2-08-1-3	DSIP2-08-3.5-5.5	DSIP2-08-6-8	DSIP2-08-8.5-10.5
	Sample Date	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013
	Sample Type	N	N	FD	N	N	N	N	N	N	N	N	N	N
	X	1267821.70	1267821.70	1267821.70	1267821.70	1267821.70	1267896.21	1267896.21	1267896.21	1267896.21	1267991.80	1267991.80	1267991.80	1267991.80
	Y	204456.60	204456.60	204456.60	204456.60	204456.60	204592.61	204592.61	204592.61	204592.61	204592.40	204592.40	204592.40	204592.40
	Soil Screening Level													
Conventional Parameters (pct)														
Total organic carbon		**1.69**	**1.26**	**1.78**	**2.02**	**2.25**	**0.883**	**0.097**	**0.275**	**2.67**	**0.841**	**2.39**	**0.299**	**0.65**
Total solids		**84.78**	**79.57**	**73.22**	**70.99**	**60.54**	**79.4**	**84.84**	**79.39**	**56.17**	**93.12**	**81.99**	**72.96**	**68.36**
Metals (mg/kg)														
Antimony		0.2 UJ	0.2 UJ	0.2 UJ	0.3 UJ	0.3 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.3 UJ	0.2 UJ	**0.3 J**	0.2 UJ	0.3 UJ
Arsenic	7.3	**9 J**	**3.4 J**	**6.2 J**	**4 J**	**9.2 J**	**3.3**	**1.3**	**1.8**	**8.9**	**4.5**	**4.4**	**1.9**	**7**
Barium		**79.3**	**32.7**	**54.7**	**27.3**	**31.6**	**33.7**	**14.4**	**21.3**	**30.6**	**28.3**	**418**	**35.4**	**29.4**
Beryllium		0.2 U	0.2 U	**0.3**	0.3 U	0.3 U	0.2 U	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U	**0.3**
Cadmium	0.77	**0.3**	**0.2**	**0.2**	0.1 U	0.2 U	**0.3**	**0.2**	0.1 U	0.2 U	**0.2**	**0.7**	0.1 U	0.1 U
Chromium	260	**24**	**11.5**	**15.1**	**9.9**	**16.4**	**12.2**	**8.8**	**8.1**	**13.9**	**10.9**	**20.5**	**8.4**	**14.6**
Chromium VI	0.96	**-- R**	**-- R**	**-- R**	**-- R**	**1.04 J**	0.496 U	0.468 U	0.5 U	**1.95**	0.428 U	0.484 U	0.533 U	0.569 U
Copper	36	**204 J**	**99.4 J**	**67.1 J**	**22.9 J**	**31.7 J**	**15**	**7.9**	**9.7**	**26.9**	**41.7**	**99.9**	**11.1**	**25.7**
Lead	81	**72.4 J**	**19.9 J**	**163 J**	**7.9 J**	**4.9 J**	**4.6**	**1.1**	**2.3**	**3.8**	**48.7**	**6760**	**22.5**	**4.6**
Mercury	0.07	**2.01 J**	**0.11 J**	**0.11 J**	**0.05 J**	**0.04 J**	**0.07**	0.02 U	0.03 U	0.05 U	**0.08**	**0.12**	0.02 U	**0.04**
Nickel	38	**49.5 J**	**11.1 J**	**14.7 J**	**8.8 J**	**11.1 J**	**10.1**	**6.5**	**7.6**	**11.9**	**20**	**10.8**	**7.1**	**13**
Selenium	0.5	0.5 U	0.6 U	0.6 U	0.7 U	0.9 U	0.6 U	0.6 U	0.6 U	0.9 U	0.5 U	0.6 U	0.6 U	0.7 U
Silver	0.2	0.2 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.3 U
Thallium		0.2 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.3 U
Zinc	85	**124 J**	**59 J**	**66 J**	**36 J**	**31 J**	**63**	**34**	**35**	**33**	**90**	**880**	**54**	**54**
Organometallic Compounds (µg/kg)														
Tributyltin (ion)	73	**7.9**	3.4 U	3.4 U	3.8 U	3.6 U	3.6 U	3.8 U	3.4 U	3.5 U	3.5 U	3.3 U	3.4 U	3.5 U

Table 7-5b
Soil Results: Metals and TBT

	Location ID	DSIP2-09_1311	DSIP2-09_1311	DSIP2-09_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-11_1312	DSIP2-11_1312	DSIP2-11_1312	DSIP2-11_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-12_1312
	Depth	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	1.5 – 3 ft	3.5 – 5 ft	5.5 – 7 ft	9 – 11 ft	11 – 13 ft	2.5 – 4.5 ft	5 – 7 ft
	Sample ID	DSIP2-09-2-4	DSIP2-09-4.5-6.5	DSIP2-09-7-9	DSIP2-10-1-3	DSIP2-10-3.5-5.5	DSIP2-10-6-8	DSIP2-11-1.5-3	DSIP2-11-3.5-5	DSIP2-11-5.5-7	DSIP2-11-9-11	DSIP2-12-11-13	DSIP2-12-2.5-4.5	DSIP2-12-5-7
	Sample Date	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1268002.99	1268002.99	1268002.99	1267966.58	1267966.58	1267966.58	1267128.73	1267128.73	1267128.73	1267128.73	1267281.17	1267281.17	1267281.17
	Y	204347.85	204347.85	204347.85	204286.98	204286.98	204286.98	204368.73	204368.73	204368.73	204368.73	204371.54	204371.54	204371.54
	Soil Screening Level													
Conventional Parameters (pct)														
Total organic carbon		**0.897**	**0.194**	**1.58**	**0.966**	**0.223**	**1.05**	**1.41**	**0.088**	**1.49**	**0.171**	**7.55**	**0.538**	**1.26**
Total solids		**92.84**	**80.24**	**62.29**	**86.85**	**78.3**	**67.75**	**79.84**	**78.55**	**75.62**	**65.58**	**49.21**	**81.46**	**79.36**
Metals (mg/kg)														
Antimony		0.2 UJ	0.2 UJ	0.3 UJ	0.2 UJ	0.2 UJ	0.3 UJ	**0.3 J**	0.2 UJ	0.3 UJ	0.3 UJ	0.4 UJ	0.2 UJ	0.2 UJ
Arsenic	7.3	**3.2 J**	**1.3 J**	**5.8 J**	**5.2 J**	**2 J**	**7.6 J**	**8.8**	**3.7**	**1.6**	**9.1**	**6.4**	**4.1**	**7.8**
Barium		**41.2**	**18.6**	**28**	**31.9**	**19**	**31.3**	**72.6**	**22.8**	**18.4**	**30.7**	**29**	**41.3**	**40.1**
Beryllium		0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U	0.3 U	0.3 U	0.4 U	**0.3**	0.2 U
Cadmium	0.77	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.2**	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	**0.1**
Chromium	260	**14.6**	**9**	**14.3**	**13.4**	**8.7**	**15**	**11.1**	**8.9**	**8.7**	**15.7**	**13**	**13.7**	**13.9**
Chromium VI	0.96	**-- R**	**-- R**	**0.701 J**	**-- R**	**-- R**	**-- R**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Copper	36	**18.2 J**	**11.6 J**	**25.8 J**	**18.3 J**	**8.5 J**	**28.2 J**	**38.1**	**9**	**8.8**	**27.2**	**27**	**20.1**	**23.5**
Lead	81	**15.7 J**	**1.2 J**	**3.5 J**	**6.9 J**	**1.1 J**	**5.2 J**	**43.5**	**1**	**1.1**	**4**	**3.7**	**5.2**	**18.4**
Mercury	0.07	**0.04 J**	0.03 UJ	**0.03 J**	**0.04 J**	0.03 UJ	**0.05 J**	0.03 U	0.02 U	0.02 U	**0.04**	0.04 U	**0.04**	**0.07**
Nickel	38	**9 J**	**8.4 J**	**11.1 J**	**9.8 J**	**6.3 J**	**24.9 J**	**14.2**	**10.2**	**7**	**11.4**	**12**	**12.6**	**16.5**
Selenium	0.5	0.5 U	0.6 U	0.7 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U	0.7 U	1 U	0.6 U	0.6 U
Silver	0.2	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.3 U	0.3 U	0.4 U	0.2 U	0.2 U
Thallium		0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.3 U	0.3 U	0.4 U	0.2 U	0.2 U
Zinc	85	**35 J**	**28 J**	**39 J**	**51 J**	**26 J**	**42 J**	**65**	**23**	**22**	**32**	**38**	**39**	**43**
Organometallic Compounds (µg/kg)														
Tributyltin (ion)	73	3.5 U	3.4 U	3.8 U	3.7 U	3.5 U	3.6 U	3.4 U	3.5 U	3.4 U	3.7 U	3.8 U	3.5 U	3.5 U

Table 7-5b
Soil Results: Metals and TBT

	Location ID	DSIP2-12_1312	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-14_1311	DSIP2-14_1311	DSIP2-14_1311	DSIP2-14_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311
	Depth	8 – 10 ft	2 – 3.5 ft	3.5 – 5 ft	6 – 8 ft	9 – 11 ft	9 – 11 ft	1 – 3 ft	3 – 5 ft	6 – 8 ft	9 – 11 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft
	Sample ID	DSIP2-12-8-10	DSIP2-13-2-3.5	DSIP2-13-3.5-5	DSIP2-13-6-8	DSIP2-13-9-11	DSIP2-63-9-11	DSIP2-14-1-3	DSIP2-14-3-5	DSIP2-14-6-8	DSIP2-14-9-11	DSIP2-15-2-4	DSIP2-15-4-6	DSIP2-15-6-8	DSIP2-15-9-11
	Sample Date	12/4/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013
	Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N	N	N
	X	1267281.17	1267446.25	1267446.25	1267446.25	1267446.25	1267446.25	1267473.67	1267473.67	1267473.67	1267473.67	1267509.17	1267509.17	1267509.17	1267509.17
	Y	204371.54	204365.45	204365.45	204365.45	204365.45	204365.45	204378.75	204378.75	204378.75	204378.75	204385.33	204385.33	204385.33	204385.33
	Soil Screening Level														
Conventional Parameters (pct)															
Total organic carbon		**0.132**	**1.69**	**0.279**	**1.98**	**1.39**	**1.4**	**0.747**	**0.215**	**0.688**	**1.11**	**1.08**	**0.306**	**0.306**	**1.44**
Total solids		**80.17**	**82**	**78.98**	**69.27**	**67.6**	**68.06**	**74.8**	**81.12**	**71.52**	**66.49**	**78.39**	**79.54**	**71.69**	**69.75**
Metals (mg/kg)															
Antimony		0.2 UJ	0.2 UJ	0.2 UJ	0.3 UJ	0.3 UJ	0.3 UJ	0.2 UJ	0.2 UJ	0.3 UJ	0.3 UJ	0.2 UJ	0.3 UJ	0.3 UJ	0.3 UJ
Arsenic	7.3	**1.1**	**6.3 J**	**35.5 J**	**5.2 J**	**5 J**	**6.1 J**	**7.7 J**	**17.2 J**	**2.5 J**	**3.7 J**	**3.9 J**	**6.6 J**	**2.4 J**	**6 J**
Barium		**20.7**	**36.2 J**	**20.1 J**	**24.9 J**	**30.5 J**	**30.9 J**	**26.1 J**	**15.8 J**	**23.6 J**	**19.2 J**	**34.4 J**	**19.1 J**	**21.4 J**	**26.9 J**
Beryllium		0.2 U	0.2 U	0.2 U	0.3 U	0.3 U	0.3 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U	0.3 U	0.3 U	0.3 U
Cadmium	0.77	0.1 U	0.1 U	0.1 U	**0.2**	0.1 U	**0.2**	**0.1**	0.1 U	0.1 U	0.1 U	**0.4**	0.1 U	0.1 U	**0.1**
Chromium	260	**7.9**	**13.6**	**8.1**	**12**	**15.9**	**15.8**	**10.1**	**8.3**	**10.5**	**9.6**	**13**	**8.5**	**9**	**13.7**
Chromium VI	0.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	36	**9.5**	**51.2 J**	**8.5 J**	**19.8 J**	**24 J**	**26.5 J**	**13.1 J**	**9.8 J**	**15.3 J**	**12.6 J**	**18.2 J**	**9.9 J**	**13 J**	**21.6 J**
Lead	81	**1.2**	**10.2 J**	**1 J**	**5.1 J**	**3.7 J**	**3.7 J**	**2.4 J**	**1.1 J**	**2.1 J**	**1.4 J**	**5.2 J**	**1.3 J**	**1.9 J**	**3.4 J**
Mercury	0.07	0.02 U	**0.04 J**	0.03 U	**0.03 J**	0.03 U	**0.03 J**	0.03 U	0.02 U	0.03 U	0.03 U	**0.02 J**	0.03 U	0.03 U	**0.03 J**
Nickel	38	**5.8**	**12.3 J**	**105 J**	**9.1 J**	**10 J**	**11 J**	**9.1 J**	**9.3 J**	**8.1 J**	**7 J**	**15.8 J**	**8.3 J**	**7.4 J**	**8.8 J**
Selenium	0.5	0.6 U	0.6 U	0.6 U	0.7 U	0.7 U	0.7 U	0.6 U	0.6 U	0.7 U	0.7 U	0.6 U	0.6 U	0.7 U	0.7 U
Silver	0.2	0.2 U	0.2 U	0.2 U	0.3 U	0.3 U	0.3 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U	0.3 U	0.3 U	0.3 U
Thallium		0.2 U	0.2 U	0.2 U	0.3 U	0.3 U	0.3 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U	0.3 U	0.3 U	0.3 U
Zinc	85	**18**	**39**	**20**	**31**	**30**	**32**	**26**	**22**	**25**	**20**	**44**	**22**	**22**	**26**
Organometallic Compounds (µg/kg)															
Tributyltin (ion)	73	3.4 U	3.4 U	3.5 U	3.4 U	3.6 U	3.5 U	3.6 U	3.4 U	3.5 U	3.4 U	3.5 U	3.5 U	3.6 U	3.5 U

Table 7-5b
Soil Results: Metals and TBT

	Location ID	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-18_1312	DSIP2-18_1312	DSIP2-18_1312	DSIP2-18_1312	DSIP2-19_1312
	Depth	11 – 13 ft	2 – 4 ft	5 – 7 ft	8 – 10 ft	10 – 12 ft	2 – 4 ft	5 – 7 ft	7 – 9 ft	0.5 – 2.5 ft	10.5 – 12.5 ft	3 – 5 ft	7 – 9 ft	1.3 – 3.5 ft
	Sample ID	DSIP2-16-11-13	DSIP2-16-2-4	DSIP2-16-5-7	DSIP2-16-8-10	DSIP2-17-10-12	DSIP2-17-2-4	DSIP2-17-5-7	DSIP2-17-7-9	DSIP2-18-0.5-2.5	DSIP2-18-10.5-12.5	DSIP2-18-3-5	DSIP2-18-7-9	DSIP2-19-1.3-3.5
	Sample Date	11/20/2013	11/20/2013	11/20/2013	11/20/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267562.84	1267562.84	1267562.84	1267562.84	1267480.85	1267480.85	1267480.85	1267480.85	1267490.47	1267490.47	1267490.47	1267490.47	1267489.96
	Y	204360.20	204360.20	204360.20	204360.20	204502.28	204502.28	204502.28	204502.28	204558.51	204558.51	204558.51	204558.51	204622.78
	Soil Screening Level													
Conventional Parameters (pct)														
Total organic carbon		**2.63 J**	**1.93 J**	**0.204 J**	**0.848 J**	**4.65**	**0.217**	**0.458**	**0.409**	**0.317 J**	**2.72 J**	**0.176 J**	**0.663 J**	**0.19 J**
Total solids		**44.06**	**74.04**	**78.98**	**71.63**	**48.84**	**84.9**	**78.46**	**71.3**	**86.04**	**61.97**	**83.35**	**84.42**	**94.94**
Metals (mg/kg)														
Antimony		0.4 UJ	0.2 UJ	0.2 UJ	0.3 UJ	0.4 UJ	0.2 UJ	0.2 UJ	0.3 UJ	0.2 UJ	0.3 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Arsenic	7.3	**12.1**	**4.8**	**3.7**	**3**	**6.7**	**2.2**	**1.9**	**3.4**	**3.2**	**10.7**	**1.3**	**2.5**	**3.1**
Barium		**29**	**25.3**	**21.6**	**21.9**	**27.2**	**20.7**	**21.6**	**31.1**	**27 J**	**29 J**	**16.8 J**	**27.1 J**	**51.8 J**
Beryllium		0.4 U	0.2 U	0.2 U	0.3 U	0.4 U	0.2 U	0.2 U	0.3 U	0.2 U	**0.3**	0.2 U	0.2 U	**0.3**
Cadmium	0.77	**0.4**	**0.1**	0.1 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U
Chromium	260	**15**	**11**	**9.7**	**10.1**	**12.3**	**8.5**	**8.3**	**11.3**	**12.7**	**14.9**	**8.8**	**13.5**	**19**
Chromium VI	0.96	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	36	**30**	**13.5**	**10**	**15.4**	**23.7**	**7.5**	**10.7**	**20.9**	**29.2 J**	**31.4 J**	**7.5 J**	**16.5 J**	**26.7 J**
Lead	81	**4.1**	**3.5**	**1.5**	**3.4**	**3.1**	**2**	**1.2**	**3.3**	**12.4 J**	**4.2 J**	**1.1 J**	**5.2 J**	**2.7 J**
Mercury	0.07	0.05 U	0.03 U	**0.07**	0.03 U	0.05 U	0.03 U	0.03 U	**0.06**	0.03 U	0.03 U	0.02 U	0.03 U	0.02 U
Nickel	38	**18**	**9.1**	**11.5**	**8.3**	**8.9**	**7**	**7.1**	**9.8**	**10.5**	**14.3**	**6.5**	**11.3**	**24**
Selenium	0.5	1 U	0.6 U	0.6 U	0.7 U	0.9 U	0.6 U	0.6 U	0.7 U	0.5 U	0.8 U	0.6 U	0.6 U	0.5 U
Silver	0.2	0.4 UJ	0.2 UJ	0.2 UJ	0.3 UJ	0.4 U	0.2 U	0.2 U	0.3 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U
Thallium		0.4 U	0.2 U	0.2 U	0.3 U	0.4 U	0.2 U	0.2 U	0.3 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U
Zinc	85	**34**	**30**	**26**	**25**	**33**	**20**	**21**	**31**	**39 J**	**43 J**	**25 J**	**44 J**	**42 J**
Organometallic Compounds (µg/kg)														
Tributyltin (ion)	73	3.7 U	3.4 U	3.4 U	3.7 U	3.5 U	3.8 U	3.5 U	3.5 U	3.5 U	3.5 U	3.1 U	3.7 U	3.2 U

Table 7-5b
Soil Results: Metals and TBT

	Location ID	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-21_1311	DSIP2-21_1311	DSIP2-21_1311	DSIP2-21_1311	DSIP2-22_1312	DSIP2-22_1312
	Depth	10 – 12 ft	5 – 7 ft	7.5 – 9 ft	11 – 13 ft	2.5 – 4.5 ft	5 – 7 ft	7.5 – 9.5 ft	10 – 12 ft	2 – 4 ft	5 – 7 ft	7 – 9 ft	10 – 12 ft	2 – 4 ft
	Sample ID	DSIP2-19-10-12	DSIP2-19-5-7	DSIP2-19-7.5-9	DSIP2-20-11-13	DSIP2-20-2.5-4.5	DSIP2-20-5-7	DSIP2-20-7.5-9.5	DSIP2-21-10-12	DSIP2-21-2-4	DSIP2-21-5-7	DSIP2-21-7-9	DSIP2-22-10-12	DSIP2-22-2-4
	Sample Date	12/3/2013	12/3/2013	12/3/2013	12/2/2013	12/2/2013	12/2/2013	12/2/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	12/3/2013	12/3/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267489.96	1267489.96	1267489.96	1267608.74	1267608.74	1267608.74	1267608.74	1267645.48	1267645.48	1267645.48	1267645.48	1267750.33	1267750.33
	Y	204622.78	204622.78	204622.78	204585.93	204585.93	204585.93	204585.93	204478.29	204478.29	204478.29	204478.29	204629.75	204629.75
	Soil Screening Level													
Conventional Parameters (pct)														
Total organic carbon		**12.4 J**	**0.116 J**	**0.28 J**	**6.05 J**	**1.21 J**	**0.084 J**	**1.07 J**	**3.24**	**0.174**	**0.832**	**0.161**	**4.42 J**	**1.93 J**
Total solids		**44.05**	**77.74**	**74.28**	**51.09**	**78.7**	**78.57**	**70.51**	**53.9**	**81.06**	**81.95**	**73.85**	**52.36**	**77.12**
Metals (mg/kg)														
Antimony		0.4 UJ	0.2 UJ	0.3 UJ	0.4 UJ	**0.6 J**	**0.4 J**	0.3 UJ	0.4 UJ	0.2 UJ	0.2 UJ	0.3 UJ	0.3 UJ	0.2 UJ
Arsenic	7.3	**11.3**	**2.3**	**2**	**13**	**10.3**	**2.8**	**3.6**	**8.8**	**2.8**	**1.5**	**1.9**	**7.8**	**7.2**
Barium		**31 J**	**29.7 J**	**23.4 J**	**31**	**271**	**29.5**	**29.7**	**31.8**	**34.4**	**21**	**19.7**	**30.4 J**	**59.3 J**
Beryllium		0.4 U	0.2 U	0.3 U	0.4 U	**0.3**	0.2 U	0.3 U	0.4 U	0.2 U	0.2 U	0.3 U	**0.4**	**0.3**
Cadmium	0.77	0.2 U	0.1 U	0.1 U	**0.2**	**1.3**	**0.2**	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	**0.2**	0.1 U
Chromium	260	**15**	**10**	**9.3**	**13**	**32**	**12.2**	**11.8**	**14.9**	**10.5**	**7.5**	**8.8**	**13.5**	**22**
Chromium VI	0.96	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	36	**32 J**	**15.8 J**	**12 J**	**36**	**472**	**29.7**	**20.7**	**29.3**	**14.7**	**8.4**	**9.3**	**30 J**	**102 J**
Lead	81	**4 J**	**2.6 J**	**1.5 J**	**4.9**	**622**	**39.2**	**3**	**4**	**3.4**	**1.3**	**1**	**3.8 J**	**60 J**
Mercury	0.07	0.05 U	0.03 U	0.03 U	0.04 U	**0.22**	0.03 U	**0.03**	0.04 U	**0.03**	0.03 U	0.03 U	0.04 U	**0.67**
Nickel	38	**9**	**9.6**	**7.4**	**11**	**43.4**	**11.1**	**10.2**	**13.7**	**8.6**	**6.6**	**7.1**	**16.9**	**14.7**
Selenium	0.5	1 U	0.6 U	0.7 U	1 U	0.6 U	0.6 U	0.7 U	0.9 U	0.6 U	0.6 U	0.7 U	0.9 U	0.6 U
Silver	0.2	0.4 U	0.2 U	0.3 U	0.4 U	**0.9**	**0.4**	0.3 U	0.4 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U
Thallium		0.4 U	0.2 U	0.3 U	0.4 U	0.2 U	0.2 U	0.3 U	0.4 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U
Zinc	85	**25 J**	**64 J**	**25 J**	**27**	**720**	**89**	**31**	**35**	**30**	**21**	**21**	**43 J**	**135 J**
Organometallic Compounds (µg/kg)														
Tributyltin (ion)	73	3.6 U	3 U	3.5 U	3.7 U	3.5 U	3.3 U	3.8 U	3.7 U	3.4 U	3.9 U	3.6 U	3.6 U	**8.8**

Table 7-5b
Soil Results: Metals and TBT

	Location ID	DSIP2-22_1312	DSIP2-22_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-25_1311	DSIP2-25_1311
	Depth	4 – 6 ft	7 – 9 ft	1.5 – 3 ft	10.5 – 12.5 ft	5 – 7 ft	5 – 7 ft	7.5 – 9.5 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	8.5 – 10 ft	2 – 4 ft	4 – 6 ft
	Sample ID	DSIP2-22-4-6	DSIP2-22-7-9	DSIP2-23-1.5-3	DSIP2-23-10.5-12.5	DSIP2-23-5-7	DSIP2-73-5-7	DSIP2-23-7.5-9.5	DSIP2-24-1-3	DSIP2-24-3.5-5.5	DSIP2-24-6-8	DSIP2-24-8.5-10	DSIP2-25-2-4	DSIP2-25-4-6
	Sample Date	12/3/2013	12/3/2013	12/2/2013	12/2/2013	12/2/2013	12/2/2013	12/2/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	11/26/2013	11/26/2013
	Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N	N
	X	1267750.33	1267750.33	1267680.39	1267680.39	1267680.39	1267680.39	1267680.39	1267794.30	1267794.30	1267794.30	1267794.30	1267844.52	1267844.52
	Y	204629.75	204629.75	204601.37	204601.37	204601.37	204601.37	204601.37	204566.47	204566.47	204566.47	204566.47	204565.36	204565.36
Soil Screening Level														
Conventional Parameters (pct)														
Total organic carbon		**0.25 J**	**0.973 J**	**1.46 J**	**3.51 J**	**0.101 J**	**0.097 J**	**0.167 J**	**0.978 J**	**0.048 J**	**0.194**	**4.8**	**0.164**	**0.259**
Total solids		**77.89**	**72.31**	**78.96**	**52.98**	**83.06**	**83.19**	**79.09**	**86.11**	**85.56**	**76.38**	**57.43**	**84.92**	**77.23**
Metals (mg/kg)														
Antimony		0.3 UJ	0.3 UJ	0.2 UJ	0.4 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.3 UJ	0.3 UJ	0.2 UJ	0.2 UJ
Arsenic	7.3	**1.2**	**3.4**	**4.3**	**10.1**	**1.3**	**1.5**	**1.7**	**3.2**	**1.1**	**1.5**	**13.3**	**1.3**	**2.1**
Barium		**15.1 J**	**25.4 J**	**47.8**	**39**	**15.6**	**19.2**	**38.3**	**42.8 J**	**19.3 J**	**20.6**	**36.5**	**27.8**	**24.7**
Beryllium		0.3 U	0.3 U	**0.3**	0.4 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	0.3 U	0.3 U	0.2 U	**0.3**
Cadmium	0.77	0.1 U	**0.2**	**0.2**	0.2 U	**0.1**	**0.2**	0.1 U	**0.1**	0.1 U	0.1 U	0.2 U	0.1 U	0.1 U
Chromium	260	**8.6**	**11.2**	**17**	**15.8**	**10.7**	**11.8**	**8.7**	**24**	**8.9**	**8.5**	**15.2**	**8.3**	**12.7**
Chromium VI	0.96	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	36	**9.6 J**	**16 J**	**36**	**30.2**	**9.6**	**11.8**	**9.4**	**58.8 J**	**8.6 J**	**10.6**	**41.3**	**8.4**	**12.5**
Lead	81	**1.7 J**	**2 J**	**15**	**4.3**	**1.7**	**2.6**	**1.2**	**20.6 J**	**1.2 J**	**1.1**	**6.2**	**1.4**	**1.8**
Mercury	0.07	0.03 U	0.03 U	**0.08**	0.04 U	0.02 U	0.02 U	0.03 U	**0.09**	0.02 U	0.03 U	**0.04**	0.03 U	0.02 U
Nickel	38	**7.4**	**9.2**	**14.1**	**14.7**	**7.9**	**8**	**8.8**	**27.2**	**5.8**	**8.3**	**8.8**	**5.9**	**9**
Selenium	0.5	0.6 U	0.7 U	0.6 U	0.9 U	0.6 U	0.6 U	0.6 U	0.5 U	0.6 U	0.7 U	0.8 U	0.6 U	0.6 U
Silver	0.2	0.3 U	0.3 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U	0.2 U
Thallium		0.3 U	0.3 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U	0.2 U
Zinc	85	**45 J**	**39 J**	**48**	**37**	**26**	**28**	**24**	**71 J**	**27 J**	**23**	**24**	**38**	**32**
Organometallic Compounds (µg/kg)														
Tributyltin (ion)	73	3.2 U	3.3 U	3.5 U	3.6 U	3.3 U	**9.5**	3.5 U	3.4 U	3.5 U	3.6 U	3.7 U	3.8 U	3.9 U

Table 7-5b
Soil Results: Metals and TBT

	Location ID	DSIP2-25_1311	DSIP2-25_1311	DSIP2-26_1312	DSIP2-26_1312	DSIP2-26_1312	DSIP2-26_1312	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312
	Depth	6 – 8 ft	9 – 11 ft	1 – 3 ft	3 – 5 ft	5 – 7 ft	8.5 – 10 ft	1.5 – 3.5 ft	11 – 13 ft	5 – 7 ft	8 – 10 ft	1 – 3 ft	3 – 5 ft	5 – 6 ft
	Sample ID	DSIP2-25-6-8	DSIP2-25-9-11	DSIP2-26-1-3	DSIP2-26-3-5	DSIP2-26-5-7	DSIP2-26-8.5-10	DSIP2-27-1.5-3.5	DSIP2-27-11-13	DSIP2-27-5-7	DSIP2-27-8-10	DSIP2-28-1-3	DSIP2-28-3-5	DSIP2-28-5-6
	Sample Date	11/26/2013	11/26/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	11/20/2013	11/20/2013	11/20/2013	11/20/2013	12/2/2013	12/2/2013	12/2/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267844.52	1267844.52	1267925.30	1267925.30	1267925.30	1267925.30	1267800.30	1267800.30	1267800.30	1267800.30	1267985.36	1267985.36	1267985.36
	Y	204565.36	204565.36	204539.02	204539.02	204539.02	204539.02	204380.32	204380.32	204380.32	204380.32	204392.42	204392.42	204392.42
	Soil Screening Level													
Conventional Parameters (pct)														
Total organic carbon		**0.282**	**2.14**	**0.587**	**0.079**	**0.285**	**4.53**	**2.28 J**	**2.58 J**	**0.675 J**	**1.86 J**	**0.605 J**	**0.459 J**	**2.38 J**
Total solids		**73.52**	**59.88**	**79.16**	**85.25**	**80.52**	**54.32**	**91.98**	**57.71**	**81.07**	**71.77**	**88.23**	**84.58**	**68.34**
Metals (mg/kg)														
Antimony		0.3 UJ	0.3 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.4 UJ	0.2 UJ	0.3 UJ	0.2 UJ	0.3 UJ	0.2 UJ	0.2 UJ	0.3 UJ
Arsenic	7.3	**2.1**	**8.8**	**3.7**	**2.4**	**1.8**	**7**	**5.5**	**8.2**	**6**	**3.7**	**3.9**	**3.3**	**7**
Barium		**24.4**	**32.4**	**31.6**	**17.6**	**19.3**	**30.6**	**69.8**	**26.2**	**34.2**	**26.3**	**59.6**	**332**	**30.2**
Beryllium		0.3 U	0.3 U	0.2 U	0.2 U	0.2 U	0.4 U	**0.2**	0.3 U	0.2 U	0.3 U	0.2 U	0.2 U	**0.3**
Cadmium	0.77	0.1 U	0.2 U	**0.2**	0.1 U	0.1 U	0.2 U	**0.2**	**0.3**	**0.6**	0.1 U	**0.2**	**0.2**	**0.2**
Chromium	260	**9.8**	**13.3**	**11.2**	**8.5**	**9.1**	**15.6**	**14**	**14.4**	**12.4**	**11.1**	**10.6**	**10**	**14.5**
Chromium VI	0.96	--	--	--	--	--	--	--	--	--	--	0.452 U	0.471 U	0.583 U
Copper	36	**11.3**	**28.4**	**15.7**	**7.5**	**10.4**	**30.3**	**51.2**	**27.8**	**52.5**	**18.2**	**37.9**	**60.4**	**24.8**
Lead	81	**1.6**	**3.9**	**4.1**	**1.1**	**1.8**	**4.1**	**28.1**	**3.7**	**29.9**	**6.8**	**47.1**	**70.6**	**10.4**
Mercury	0.07	0.03 U	0.04 U	**0.04**	0.03 U	0.03 U	0.04 U	**0.07**	**0.04**	**0.03**	0.03 U	**0.07**	**0.03**	**0.05**
Nickel	38	**8.4**	**10.8**	**9.7**	**6.7**	**9**	**7.1**	**18.3**	**48**	**11.8**	**9.5**	**8.5**	**8.4**	**12.1**
Selenium	0.5	0.6 U	0.8 U	0.6 U	0.6 U	0.6 U	0.9 U	0.5 U	0.9 U	0.6 U	0.7 U	0.5 U	0.6 U	0.7 U
Silver	0.2	0.3 U	0.3 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 UJ	0.3 UJ	0.2 UJ	0.3 UJ	0.2 U	0.2 U	0.3 U
Thallium		0.3 U	0.3 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	0.3 U	0.2 U	0.3 U	0.2 U	0.2 U	0.3 U
Zinc	85	**25**	**30**	**44**	**22**	**27**	**20**	**148**	**45**	**650**	**27**	**229**	**162**	**37**
Organometallic Compounds (µg/kg)														
Tributyltin (ion)	73	3.6 U	3.7 U	3.4 U	3.8 U	3.4 U	3.5 U	**2.8 J**	3.7 U	3.7 U	3.3 U	3.7 U	3.4 U	3.6 U

Table 7-5b
Soil Results: Metals and TBT

	Location ID	DSIP2-28_1312	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-30_1312	DSIP2-30_1312	DSIP2-30_1312	DSIP2-30_1312	DSIP2-31_1311	DSIP2-31_1311	DSIP2-31_1311	DSIP2-31_1311	DSIP2-ST-04
	Depth	7 – 9 ft	1 – 3 ft	5 – 7 ft	8 – 10 ft	1.5 – 3.5 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	8.5 – 10 ft	5 – 7 ft
	Sample ID	DSIP2-28-7-9	DSIP2-29-1-3	DSIP2-29-5-7	DSIP2-29-8-10	DSIP2-30-1.5-3.5	DSIP2-30-4-6	DSIP2-30-6-8	DSIP2-30-9-11	DSIP2-31-2-4	DSIP2-31-4-6	DSIP2-31-6-8	DSIP2-31-8.5-10	DSIP2-ST-04-5-7
	Sample Date	12/2/2013	11/25/2013	11/25/2013	11/25/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	10/17/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267985.36	1267967.58	1267967.58	1267967.58	1267741.83	1267741.83	1267741.83	1267741.83	1267814.19	1267814.19	1267814.19	1267814.19	1267830.37
	Y	204392.42	204223.52	204223.52	204223.52	204585.73	204585.73	204585.73	204585.73	204503.36	204503.36	204503.36	204503.36	204353.91
	Soil Screening Level													
Conventional Parameters (pct)														
Total organic carbon		**3.18 J**	**0.379**	**3.31**	**1.64**	**0.332**	**0.08**	**0.112**	**4.58**	**1.01**	**0.275**	**0.625**	**3.83**	**2.14**
Total solids		**61.15**	**77.38**	**55.11**	**63.43**	**92.61**	**82.09**	**75.23**	**61.29**	**83.52**	**77.48**	**68.47**	**55.12**	**91.61**
Metals (mg/kg)														
Antimony		0.3 UJ	**0.4 J**	0.3 UJ	0.3 UJ	0.2 UJ	0.2 UJ	0.3 UJ	0.3 UJ	0.2 UJ	0.2 UJ	0.3 UJ	0.4 UJ	0.2 UJ
Arsenic	7.3	**8.8**	**8.7 J**	**6.5 J**	**4.3 J**	**3**	**2.4**	**1.7**	**7.9**	**4.3 J**	**2.4 J**	**3 J**	**11.7 J**	**10**
Barium		**30.2**	**15.4**	**28.3**	**27.4**	**68.1**	**16.3**	**24.3**	**39.9**	**57.9**	**27.2**	**28.9**	**35.2**	**88.3 J**
Beryllium		0.3 U	0.2 U	0.3 U	0.3 U	**0.2**	0.2 U	0.3 U	**0.4**	0.2 U	0.2 U	0.3 U	0.4 U	0.2 U
Cadmium	0.77	0.2 U	0.1 U	0.2 U	0.2 U	**0.1**	0.1 U	0.1 U	**0.2**	**0.4**	**0.1**	0.1 U	0.2 U	**0.5**
Chromium	260	**16.5**	**10**	**14.6**	**16.3**	**23.8**	**8.4**	**9.6**	**13.7**	**13.6**	**9.1**	**10.5**	**14.9**	**32.1 J**
Chromium VI	0.96	0.649 U	**-- R**	**0.792 J**	**0.685 J**	--	--	--	--	--	--	--	--	**-- R**
Copper	36	**29.6**	**13.1 J**	**24.9 J**	**19 J**	**30.8**	**10**	**9**	**29.9**	**79.3 J**	**14.2 J**	**16.6 J**	**34.3 J**	**192 J**
Lead	81	**3.9**	**10 J**	**5.4 J**	**3.1 J**	**22**	**1.1**	**1.3**	**10.9**	**154 J**	**46.6 J**	**2.5 J**	**4.5 J**	**118 J**
Mercury	0.07	**0.04**	0.02 UJ	**0.04 J**	0.04 UJ	**0.02**	0.03 U	0.03 U	**0.08**	**0.6 J**	**0.03 J**	0.03 UJ	**0.04 J**	**0.1**
Nickel	38	**11.4**	**9.9 J**	**8.9 J**	**11.7 J**	**31.9**	**6.7**	**7.8**	**12.6**	**11.3 J**	**7.2 J**	**8.6 J**	**9.4 J**	**43.2**
Selenium	0.5	0.8 U	0.6 U	0.8 U	0.8 U	0.5 U	0.6 U	0.7 U	0.7 U	0.6 U	0.6 U	0.7 U	0.9 U	0.5 U
Silver	0.2	0.3 U	0.2 U	0.3 U	0.3 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U	0.2 U	0.3 U	0.4 U	**3 J**
Thallium		0.3 U	0.2 U	0.3 U	0.3 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U	0.2 U	0.3 U	0.4 U	0.2 U
Zinc	85	**28**	**123 J**	**52 J**	**44 J**	**64**	**27**	**23**	**38**	**146 J**	**46 J**	**30 J**	**26 J**	**152**
Organometallic Compounds (µg/kg)														
Tributyltin (ion)	73	3.5 U	3.4 U	3.8 U	3.6 U	3.5 U	3.4 U	3.4 U	3.8 U	3.3 U	3.4 U	3.9 U	3.6 U	**36**

Table 7-5b
Soil Results: Metals and TBT

	Location ID	DSIP2-ST-04	DSIP2-UST-03	DSIP2-UST-03
	Depth	5.5 – 7 ft	3.5 – 5.5 ft	3.5 – 5.5 ft
	Sample ID	DSIP2-ST-04-5.5-7	DSIP2-UST-03-3.5-5.5	DSIP2-UST-53-3.5-5.5
	Sample Date	10/17/2013	10/18/2013	10/18/2013
	Sample Type	N	N	FD
	X	1267830.37	1267578.26	1267578.26
	Y	204353.91	204590.12	204590.12
	Soil Screening Level			
Conventional Parameters (pct)				
Total organic carbon		**1.96**	**0.356**	**0.357**
Total solids		**82.73**	**83.75**	**84.62**
Metals (mg/kg)				
Antimony		0.2 UJ	0.2 UJ	0.2 UJ
Arsenic	7.3	**8.3**	**3.7**	**3.7**
Barium		**60.8 J**	**17.7**	**18.4**
Beryllium		0.2 U	0.2 U	0.2 U
Cadmium	0.77	**0.5**	**0.2**	**0.2**
Chromium	260	**21.1 J**	**7.5**	**7.3**
Chromium VI	0.96	**-- R**	0.472 U	0.462 U
Copper	36	**107 J**	**10.2**	**10.2**
Lead	81	**91 J**	**1.9**	**1.9**
Mercury	0.07	**0.26**	0.02 U	0.03 U
Nickel	38	**22.6**	**6.9**	**6.2**
Selenium	0.5	0.6 U	0.6 U	0.6 U
Silver	0.2	**1.9 J**	0.2 U	0.2 U
Thallium		0.2 U	0.2 U	0.2 U
Zinc	85	**131**	**50**	**55**
Organometallic Compounds (µg/kg)				
Tributyltin (ion)	73	**1.9 J**	3.8 U	3.9 U

Table 7-5b
Soil Results: Metals and TBT

Notes:
Detected concentration is greater than soil screening level
Non-detected concentration is above soil screening level
Bold = Detected result
-- = not analyzed
µg/kg = micrograms per kilogram
FD = field duplicate
ft = foot
J = estimated value
mg/kg = milligrams per kilogram
N = normal
pct = percent
R = rejected
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSI-01	DSI-01	DSI-02	DSI-02	DSI-03	DSI-03	DSI-04	DSI-04	DSI-05	DSI-05	DSI-06	DSI-06	DSI-07	DSI-07	DSI-08	DSI-08
	Depth	0 – 3 ft	4 – 6 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	5 – 6.5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	4 – 6 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft
	Sample ID	DSI01-SO-A	DSI01-SO-B	DSI02-SO-A	DSI02-SO-B	DSI03-SO-A	DSI03-SO-B	DSI04-SO-A	DSI04-SO-B	DSI05-SO-A	DSI05-SO-B	DSI06-SO-A	DSI06-SO-B	DSI07-SO-A	DSI07-SO-B	DSI08-SO-A	DSI08-SO-B
	Sample Date	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267483.65	1267483.65	1267482.28	1267482.28	1267538.20	1267538.20	1267677.30	1267677.30	1267664.49	1267664.49	1267832.57	1267832.57	1267843.29	1267843.29	1267815.08	1267815.08
	Y	204362.38	204362.38	204484.72	204484.72	204614.54	204614.54	204577.53	204577.53	204414.79	204414.79	204403.48	204403.48	204440.17	204440.17	204599.08	204599.08
	Soil Screening Level																
Polycyclic Aromatic Hydrocarbons (µg/kg)																	
1-Methylnaphthalene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	720	**19**	5 U	**4.7**	**98**	4.7 U	**40**	**16**	5 U	**26**	4.7 U	**33**	27 U	**22**	**66**	**5**	4.9 U
Acenaphthene	17	**5.8**	5 U	4.7 U	**120**	**5.6**	4.7 U	5 U	5 U	4.9 U	4.7 U	30 U	27 U	5 U	**9.9**	5 U	4.9 U
Acenaphthylene	1300	**9.1**	5 U	4.7 U	4.8 U	4.7 U	4.7 U	5 U	5 U	**6.4**	4.7 U	30 U	**48**	5 U	5 U	5 U	4.9 U
Anthracene	220	**44**	**8.4**	4.7 U	**100**	**5.1**	**8.5**	**5.9**	5 U	**12**	4.7 U	30 U	27 U	**5.5**	**7.9**	5 U	4.9 U
Benzo(a)anthracene	5	**64**	**9.9**	4.7 U	**110**	**9.8**	**11**	**14**	5 U	**28**	4.7 U	**30**	**43**	**14**	**6.4**	**12**	4.9 U
Benzo(a)pyrene	9.7	**56**	**9.4**	**5.7**	**110**	**10**	**12**	**8.4**	5 U	**29**	4.7 U	**39**	**99**	**11**	**5.9**	**12**	4.9 U
Benzo(b)fluoranthene	12	**120**	**15**	**11**	**72**	**12**	**21**	**16**	5 U	**48**	4.7 U	**57**	**91**	**16**	**5.9**	**18**	4.9 U
Benzo(g,h,i)perylene	590	**65**	**9.4**	**5.7**	**38**	**7**	**5.2**	5 U	5 U	**13**	4.7 U	30 U	**54**	**9.5**	5 U	**8.4**	4.9 U
Benzo(k)fluoranthene	12	**74**	**17**	**9.4**	**90 J**	**14**	**15**	**13**	5 U	**28**	4.7 U	**54**	**94**	**14**	5 U	**13**	4.9 U
Carbazole		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	6.4	**130**	**22**	**10**	**140 J**	**17**	**31**	**25**	5 U	**50**	4.7 U	**78**	**120**	**22**	**6.9**	**22**	4.9 U
Dibenzo(a,h)anthracene	18	**18**	5 U	4.7 U	**12**	4.7 U	4.7 U	5 U	5 U	4.9 U	4.7 U	30 U	27 U	5 U	5 U	5 U	4.9 U
Dibenzofuran	290	**12**	5 U	4.7 U	**56**	4.7 U	**9.4**	**5.4**	5 U	**16**	4.7 U	30 U	27 U	5 U	5 U	5 U	4.9 U
Fluoranthene	160	**170**	**36**	**11**	**270**	**26**	**38**	**40**	5 U	**96**	4.7 U	**120**	**120**	**45**	**15**	**37**	4.9 U
Fluorene	24	**11**	5 U	4.7 U	**120**	**5.1**	**19**	5 U	5 U	**6.9**	4.7 U	30 U	**27**	5 U	**14**	5 U	4.9 U
Indeno(1,2,3-c,d)pyrene	35	**54**	**8.9**	4.7 U	**37**	**5.6**	4.7 U	**5.4**	5 U	**13**	4.7 U	30 U	**48**	**7**	5 U	**7.4**	4.9 U
Naphthalene	120	**24**	**5**	**5.2**	**180**	**6.5**	**12**	**13**	5 U	**53**	4.7 U	**57**	**27**	**38**	**18**	5 U	4.9 U
Phenanthrene	1900	**68**	**14**	**7.6**	**410 J**	**27**	**100**	**24**	5 U	**91**	4.7 U	**90**	**80**	**25**	**13**	**26**	4.9 U
Pyrene	550	**140**	**29**	**10**	**280**	**21**	**37**	**33**	5 U	**72**	4.7 U	**160**	**320**	**34**	**21**	**32**	4.9 U
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	**90.3**	**14.7**	**7.84**	**143.5 J**	**14.31**	**17.01**	**13.49**	5 U	**41.2**	4.7 U	**53.88**	**127.8**	**16.32**	**7.199**	**17.26**	4.9 U
Total Petroleum Hydrocarbons (mg/kg)																	
Gasoline range hydrocarbons	30	5.3 U	6.3 U	4.8 U	**22**	**92**	**110**	**20**	6.4 U	**16**	**8.4**	**120**	**13**	**74**	**36**	8.8 U	6.7 U
Diesel range hydrocarbons	2000	**65**	**12**	**15**	**66**	**61**	**380**	**40**	5.5 U	**46**	5.7 U	**2700**	**2200**	**16**	**20**	6.7 U	5.4 U
Motor oil range hydrocarbons	2000	**140**	**33**	**170**	**130**	**110**	**310**	**100**	11 U	**160**	11 U	**260**	**190**	**29**	**18**	**21**	11 U
Total Diesel and Motor Oil (U = 0)	2000	**205**	**45**	**185**	**196**	**171**	**690**	**140**	11 U	**206**	11 U	**2960**	**2390**	**45**	**38**	**21**	11 U

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSI-09	DSI-09	DSI-10	DSI-10	DSI-11	DSI-11	DSI-12	DSI-12	DSI-GP-05	DSI-GP-05	DSI-GP-06	DSI-GP-06	DSI-GP-07	DSI-GP-07
	Depth	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	2 – 4.5 ft	5.5 – 8 ft	3 – 5 ft	5.5 – 8 ft	1.5 – 4 ft	5.5 – 8 ft
	Sample ID	DSI09-SO-A	DSI09-SO-B	DSI10-SO-A	DSI10-SO-B	DSI11-SO-A	DSI11-SO-B	DSI12-SO-A	DSI12-SO-B	DSI-GP-05-2-4.5	DSI-GP-05-5.5-8	DSI-GP-06-3-5	DSI-GP-06-5.5-8	DSI-GP-07-1.5-4	DSI-GP-07-5.5-8
	Sample Date	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	7/14/2009	7/14/2009	7/14/2009	7/14/2009	7/14/2009	7/14/2009
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267972.09	1267972.09	1267928.64	1267928.64	1267970.43	1267970.43	1267970.42	1267970.42	1267499.84	1267499.84	1267588.58	1267588.58	1267662.08	1267662.08
	Y	204599.10	204599.10	204456.02	204456.02	204358.81	204358.81	204269.04	204269.04	204589.62	204589.62	204506.76	204506.76	204563.53	204563.53
	Soil Screening Level														
Polycyclic Aromatic Hydrocarbons (µg/kg)															
1-Methylnaphthalene		--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	720	**47**	**34**	**7.8**	5 U	**19**	4.8 U	**230**	**300**	--	--	--	--	--	--
Acenaphthene	17	**82**	**30**	4.8 U	5 U	**6.9**	4.8 U	37 U	**45**	--	--	--	--	--	--
Acenaphthylene	1300	**14**	**5.4**	4.8 U	5 U	**14**	4.8 U	**880**	**1700**	--	--	--	--	--	--
Anthracene	220	**87**	**19**	**11**	5 U	**18**	4.8 U	**290**	**450**	--	--	--	--	--	--
Benzo(a)anthracene	5	**160**	**27**	**18**	5 U	**54**	4.8 U	**1800**	**3600**	--	--	--	--	--	--
Benzo(a)pyrene	9.7	**180**	**23**	**15**	5 U	**61**	4.8 U	**3000**	**7900**	--	--	--	--	--	--
Benzo(b)fluoranthene	12	**240**	**35**	**20**	5 U	**73**	4.8 U	**1700**	**3400**	--	--	--	--	--	--
Benzo(g,h,i)perylene	590	**110**	**9.9**	**6.3**	5 U	**37**	4.8 U	**1300**	**2900**	--	--	--	--	--	--
Benzo(k)fluoranthene	12	**230**	**26**	**18**	5 U	**67**	4.8 U	**2100**	**5600**	--	--	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	6.4	**280**	**54**	**23**	5 U	**87**	4.8 U	**3000**	**7500**	--	--	--	--	--	--
Dibenzo(a,h)anthracene	18	**38**	5 U	4.8 U	5 U	**8.4**	4.8 U	**390**	**900**	--	--	--	--	--	--
Dibenzofuran	290	**32**	**18**	**6.8**	5 U	**7.9**	4.8 U	37 U	38 U	--	--	--	--	--	--
Fluoranthene	160	**480**	**91**	**61**	5 U	**120**	4.8 U	**2500**	**6000**	--	--	--	--	--	--
Fluorene	24	**88**	**35**	**7.3**	5 U	**7.9**	4.8 U	**67**	**53**	--	--	--	--	--	--
Indeno(1,2,3-c,d)pyrene	35	**110**	**9.4**	**6.3**	5 U	**35**	4.8 U	**1200**	**2700**	--	--	--	--	--	--
Naphthalene	120	**74**	**58**	**7.3**	5 U	**24**	4.8 U	**340**	**470**	--	--	--	--	--	--
Phenanthrene	1900	**370**	**140**	**27**	5 U	**54**	4.8 U	**510**	**640**	--	--	--	--	--	--
Pyrene	550	**400**	**110**	**51**	5 U	**120**	4.8 U	**4000**	**10000**	--	--	--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	**260.6**	**33.28**	**21.46**	5 U	**85.61**	4.8 U	**3749**	**9595**	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)															
Gasoline range hydrocarbons	30	**14**	**200**	8.3 U	6 U	**8**	5.9 U	6.6 U	**27**	6.2 U	8.4 U	6.5 U	7.5 U	6.5 U	7.6 U
Diesel range hydrocarbons	2000	**42**	**56**	**16**	5.2 U	**120**	5.5 U	**88**	**170**	5.5 U	5.8 U	5.7 U	6.2 U	**15**	6.4 U
Motor oil range hydrocarbons	2000	**87**	**110**	**39**	10 U	**180**	11 U	**130**	**240**	11 U	12 U	12 U	12 U	**48**	13 U
Total Diesel and Motor Oil (U = 0)	2000	**129**	**166**	**55**	10 U	**300**	11 U	**218**	**410**	11 U	12 U	12 U	12 U	**63**	13 U

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSI-GP-08	DSI-GP-08	DSI-GP-08	DSI-GP-09	DSI-GP-09	DSI-GP-09	DSI-GP-10	DSI-GP-10	DSI-GP-11	DSI-GP-11	DSI-GP-12	DSI-GP-12
	Depth	2 – 4.5 ft	5.5 – 7.5 ft	5.5 – 7.5 ft	2 – 4.5 ft	6 – 8 ft	9 – 10 ft	2 – 4 ft	5.5 – 7.5 ft	1 – 3.5 ft	5 – 7.5 ft	1 – 3.5 ft	5 – 10 ft
	Sample ID	DSI-GP-08-2-4.5	DSI-GP-08-5.5-7.5	DSI-GP-58-5.5-7.5	DSI-GP-09-2-4.5	DSI-GP-09-6-8	DSI-GP-09-9-10	DSI-GP-10-2-4	DSI-GP-10-5.5-7.5	DSI-GP-11-1-3.5	DSI-GP-11-5-7.5	DSI-GP-12-1-3.5	DSI-GP-12-5-10
	Sample Date	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/14/2009	7/14/2009	7/14/2009	7/14/2009
	Sample Type	N	N	FD	N	N	N	N	N	N	N	N	N
	X	1267860.11	1267860.11	1267860.11	1267877.01	1267877.01	1267877.01	1267792.87	1267792.87	1267873.09	1267873.09	1267998.94	1267998.94
	Y	204436.11	204436.11	204436.11	204409.65	204409.65	204409.65	204451.34	204451.34	204484.40	204484.40	204597.25	204597.25
	Soil Screening Level												
Polycyclic Aromatic Hydrocarbons (µg/kg)													
1-Methylnaphthalene		--	--	--	--	--	--	--	--	--	--	12 U	19 U
2-Methylnaphthalene	720	--	--	--	--	--	--	--	--	--	--	**17**	19 U
Acenaphthene	17	--	--	--	--	--	--	--	--	--	--	**19**	19 U
Acenaphthylene	1300	--	--	--	--	--	--	--	--	--	--	**22**	19 U
Anthracene	220	--	--	--	--	--	--	--	--	--	--	**57**	19 U
Benzo(a)anthracene	5	--	--	--	--	--	--	--	--	--	--	**110**	**51**
Benzo(a)pyrene	9.7	--	--	--	--	--	--	--	--	--	--	**110**	**45**
Benzo(b)fluoranthene	12	--	--	--	--	--	--	--	--	--	--	**170**	**61**
Benzo(g,h,i)perylene	590	--	--	--	--	--	--	--	--	--	--	**62**	**20**
Benzo(k)fluoranthene	12	--	--	--	--	--	--	--	--	--	--	**130**	**44**
Carbazole		--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	6.4	--	--	--	--	--	--	--	--	--	--	**140**	**65**
Dibenzo(a,h)anthracene	18	--	--	--	--	--	--	--	--	--	--	**24**	19 U
Dibenzofuran	290	--	--	--	--	--	--	--	--	--	--	**38**	19 U
Fluoranthene	160	--	--	--	--	--	--	--	--	--	--	**320**	**160**
Fluorene	24	--	--	--	--	--	--	--	--	--	--	**17**	19 U
Indeno(1,2,3-c,d)pyrene	35	--	--	--	--	--	--	--	--	--	--	**52**	19 U
Naphthalene	120	--	--	--	--	--	--	--	--	--	--	**22**	19 U
Phenanthrene	1900	--	--	--	--	--	--	--	--	--	--	**270**	**33**
Pyrene	550	--	--	--	--	--	--	--	--	--	--	**160**	**110**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	--	--	--	--	--	--	--	--	--	--	**160**	**61.25**
Total Petroleum Hydrocarbons (mg/kg)													
Gasoline range hydrocarbons	30	**160**	**430**	**410**	**320**	--	12 U	**560**	8.1 U	**44**	7.8 U	7.5 U	8.6 U
Diesel range hydrocarbons	2000	**2300**	**400**	**490**	**2200**	--	8.1 U	**1000**	6.4 U	**110**	**27**	**23**	7 U
Motor oil range hydrocarbons	2000	**220**	**33**	**40**	**1200**	--	16 U	**360**	13 U	**210**	**300**	**91**	**28**
Total Diesel and Motor Oil (U = 0)	2000	**2520**	**433**	**530**	**3400**	--	16 U	**1360**	13 U	**320**	**327**	**114**	**28**

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSI-GP-13	DSI-GP-13	DSI-GP-14	DSI-GP-14	DSI-GP-14	DSI-GP-14	DSI-GP-15	DSI-GP-15	DSI-GP-15	DSI-GP-15	DSI-GP-16	DSI-GP-16
	Depth	1 – 3.5 ft	5 – 7.3 ft	2.5 – 4.5 ft	5 – 7 ft	5 – 7 ft	8 – 10 ft	1.5 – 4 ft	1.5 – 4 ft	6 – 8 ft	8 – 10 ft	2.1 – 4.5 ft	7.5 – 10 ft
	Sample ID	DSI-GP-13-1-3.5	DSI-GP-13-5-7.3	DSI-GP-14-2.5-4.5	DSI-GP-14-5-7	DSI-GP-64-5-7	DSI-GP-14-8-10	DSI-GP-15-1.5-4	DSI-GP-65-1.5-4	DSI-GP-15-6-8	DSI-GP-15-8-10	DSI-GP-16-2.1-4.5	DSI-GP-16-7.5-10
	Sample Date	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009
	Sample Type	N	N	N	N	FD	N	N	FD	N	N	N	N
	X	1267988.72	1267988.72	1267995.40	1267995.40	1267995.40	1267995.40	1267993.21	1267993.21	1267993.21	1267993.21	1268022.76	1268022.76
	Y	204516.84	204516.84	204444.88	204444.88	204444.88	204444.88	204385.91	204385.91	204385.91	204385.91	204368.45	204368.45
	Soil Screening Level												
Polycyclic Aromatic Hydrocarbons (µg/kg)													
1-Methylnaphthalene		**860**	**200**	**320**	**5600**	--	--	**5200**	--	**3100**	--	20 U	19 U
2-Methylnaphthalene	720	**740**	**160**	**150**	**5900**	--	--	**390**	--	**200 J**	--	20 U	19 U
Acenaphthene	17	**130**	**64 J**	**110**	**460**	--	--	**330 J**	--	**200**	--	20 U	19 U
Acenaphthylene	1300	33 U	80 U	41 U	58 U	--	--	160 U	--	77 U	--	20 U	19 U
Anthracene	220	**460**	**89**	**70**	**78**	--	--	**120 J**	--	**54 J**	--	20 U	19 U
Benzo(a)anthracene	5	**380**	**110**	**120**	**76**	--	--	160 U	--	77 U	--	**11 J**	19 U
Benzo(a)pyrene	9.7	**390**	**120**	**130**	**76**	--	--	160 U	--	77 U	--	**12 J**	19 U
Benzo(b)fluoranthene	12	**250**	**83**	**170**	**88**	--	--	160 U	--	77 U	--	20 U	19 U
Benzo(g,h,i)perylene	590	**97**	80 U	**50**	58 U	--	--	160 U	--	77 U	--	20 U	19 U
Benzo(k)fluoranthene	12	**420**	**83**	**160**	**91**	--	--	160 U	--	77 U	--	20 U	19 U
Carbazole		--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	6.4	**430**	**140**	**180**	**140**	--	--	**83 J**	--	**41 J**	--	**12 J**	19 U
Dibenzo(a,h)anthracene	18	**21 J**	80 U	**19 J**	58 U	--	--	160 U	--	77 U	--	20 U	19 U
Dibenzofuran	290	**89**	80 U	**70**	**290**	--	--	**420 J**	--	**240 J**	--	20 U	19 U
Fluoranthene	160	**1300**	**260**	**380**	**260**	--	--	160 U	--	**51 J**	--	**24**	**16 J**
Fluorene	24	**610**	**170**	**280**	**1200**	--	--	**1700**	--	**880**	--	20 U	19 U
Indeno(1,2,3-c,d)pyrene	35	**87**	80 U	**50**	58 U	--	--	160 U	--	77 U	--	20 U	19 U
Naphthalene	120	**190**	**42 J**	30 U	190 U	--	--	270 U	--	170 U	--	20 U	19 U
Phenanthrene	1900	**1400**	**470**	**300**	**1300**	--	--	**1700**	--	**970**	--	**15 J**	19 U
Pyrene	550	**1000**	**320**	**300**	**230**	--	--	**180**	--	**93**	--	**23**	**12 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	**510.1 J**	**149**	**183.7 J**	**102.9**	--	--	**0.83 J**	--	**0.41 J**	--	**13.22 J**	19 U
Total Petroleum Hydrocarbons (mg/kg)													
Gasoline range hydrocarbons	30	**310**	**17**	**320**	**820**	**710**	9.3 U	**140**	--	**1200**	**20**	6.6 U	10 U
Diesel range hydrocarbons	2000	**1300**	**160**	**760**	**1800**	--	--	**9000**	**12000**	**3500**	--	5.2 U	7.2 U
Motor oil range hydrocarbons	2000	**750**	**350**	**300**	**270**	--	--	1000 U	1100 U	250 U	--	10 U	14 U
Total Diesel and Motor Oil (U = 0)	2000	**2050**	**510**	**1060**	**2070**	--	--	**9000**	**12000**	**3500**	--	10 U	14 U

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSI-GP-17	DSI-GP-17	DSI-GP-19	DSI-GP-19	DSI-GP-19	DSI-GP-20	DSI-GP-20	DSI-GP-21	DSI-GP-21	DSI-MW-02	DSI-MW-02	DSI-MW-03	DSI-MW-03
	Depth	1.5 – 4 ft	5 – 7.5 ft	3 – 5 ft	5.5 – 8 ft	5.5 – 8 ft	3 – 5 ft	5.5 – 8 ft	2 – 4.5 ft	5.5 – 8 ft	0 – 3 ft	5.5 – 7 ft	0 – 3 ft	5 – 6.5 ft
	Sample ID	DSI-GP-17-1.5-4	DSI-GP-17-5-7.5	DSI-GP-19-3-5	DSI-GP-19-5.5-8	DSI-GP-69-5.5-8	DSI-GP-20-3-5	DSI-GP-20-5.5-8	DSI-GP-21-2-4.5	DSI-GP-21-5.5-8	DSI-MW-02-0-3	DSI-MW-02-5.5-7	DSI-MW-03-0-3	DSI-MW-03-5-6.5
	Sample Date	7/13/2009	7/13/2009	7/16/2009	7/16/2009	7/16/2009	7/15/2009	7/15/2009	7/16/2009	7/16/2009	7/14/2009	7/14/2009	7/13/2009	7/13/2009
	Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N	N
	X	1267974.89	1267974.89	1267668.90	1267668.90	1267668.90	1267785.57	1267785.57	1267891.80	1267891.80	1267537.85	1267537.85	1267731.36	1267731.36
	Y	204304.04	204304.04	204346.90	204346.90	204346.90	204370.10	204370.10	204378.83	204378.83	204619.49	204619.49	204467.03	204467.03
	Soil Screening Level													
Polycyclic Aromatic Hydrocarbons (µg/kg)														
1-Methylnaphthalene		20 U	19 U	20 U	20 U	19 U	**12 J**	20 U	**40**	**28**	--	--	--	--
2-Methylnaphthalene	720	20 U	19 U	20 U	20 U	19 U	**15 J**	20 U	**17 J**	**12 J**	--	--	--	--
Acenaphthene	17	20 U	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	--	--	--	--
Acenaphthylene	1300	**30**	19 U	20 U	20 U	19 U	**120**	20 U	**74**	20 U	--	--	--	--
Anthracene	220	**10 J**	19 U	20 U	20 U	19 U	**55**	20 U	**23**	20 U	--	--	--	--
Benzo(a)anthracene	5	**78**	19 U	20 U	20 U	19 U	**250**	20 U	**190**	**15 J**	--	--	--	--
Benzo(a)pyrene	9.7	**94**	19 U	20 U	20 U	19 U	**300**	20 U	**230**	**18 J**	--	--	--	--
Benzo(b)fluoranthene	12	**76**	19 U	20 U	20 U	19 U	**170**	20 U	**79**	**14 J**	--	--	--	--
Benzo(g,h,i)perylene	590	**38 J**	19 U	20 U	20 U	19 U	**130**	20 U	**110**	20 U	--	--	--	--
Benzo(k)fluoranthene	12	**83**	19 U	20 U	20 U	19 U	**180**	20 U	**79**	**14 J**	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	6.4	**120**	19 U	20 U	20 U	19 U	**360**	20 U	**270**	**36**	--	--	--	--
Dibenzo(a,h)anthracene	18	**13 J**	19 U	20 U	20 U	19 U	**48**	20 U	**23**	20 U	--	--	--	--
Dibenzofuran	290	20 U	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	--	--	--	--
Fluoranthene	160	**120**	19 U	20 U	20 U	19 U	**400**	20 U	**230**	**25**	--	--	--	--
Fluorene	24	20 U	19 U	20 U	20 U	19 U	**19 J**	20 U	**9.8 J**	**10 J**	--	--	--	--
Indeno(1,2,3-c,d)pyrene	35	**36 J**	19 U	20 U	20 U	19 U	**120**	20 U	**95**	20 U	--	--	--	--
Naphthalene	120	20 U	19 U	20 U	20 U	19 U	**34**	20 U	**63**	**18 J**	--	--	--	--
Phenanthrene	1900	**27**	19 U	20 U	20 U	19 U	**100**	20 U	**41**	**46**	--	--	--	--
Pyrene	550	**170**	19 U	20 U	20 U	19 U	**410**	20 U	**330**	**37**	--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	**123.8 J**	19 U	20 U	20 U	19 U	**380.4**	20 U	**279.3**	**22.66 J**	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline range hydrocarbons	30	5.6 U	9.2 U	6.5 U	7.2 U	--	7 U	6.6 U	**6.5**	6.5 U	**4.9**	**53**	**4**	4.4 U
Diesel range hydrocarbons	2000	**9.2**	6.8 U	5.5 U	6.3 U	--	**15**	5.9 U	**10**	**34**	**28**	**8.4**	**99**	**27**
Motor oil range hydrocarbons	2000	**22**	14 U	11 U	13 U	--	**23**	12 U	**20**	**160**	**100**	**44**	**220**	**70**
Total Diesel and Motor Oil (U = 0)	2000	**31.2**	14 U	11 U	13 U	--	**38**	12 U	**30**	**194**	**128**	**52.4**	**319**	**97**

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSI-MW-04	DSI-MW-04	DSI-MW-05	DSI-MW-05	DSI-MW-06	DSI-MW-06	DSI-MW-08	DSI-MW-08	DSI-MW-10	DSI-MW-10	DSIP2-01_1311	DSIP2-01_1311
	Depth	0.5 – 2.5 ft	5 – 6.5 ft	0.5 – 3 ft	5 – 8 ft	0.5 – 3.5 ft	5 – 8 ft	0.5 – 2 ft	5 – 8 ft	0.5 – 3.5 ft	5 – 8 ft	2.5 – 4.5 ft	5 – 7 ft
	Sample ID	DSI-MW-04-0.5-2.5	DSI-MW-04-5-6.5	DSI-MW-05-0.5-3.0	DSI-MW-05-5-8	DSI-MW-06-0.5-3.5	DSI-MW-06-5-8	DSI-MW-08-0.5-2	DSI-MW-08-5-8	DSI-MW-10-0.5-3.5	DSI-MW-10-5-8	DSIP2-01-2.5-4.5	DSIP2-01-5-7
	Sample Date	7/14/2009	7/14/2009	7/14/2009	7/14/2009	7/15/2009	7/15/2009	7/15/2009	7/15/2009	7/14/2009	7/14/2009	11/22/2013	11/22/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267894.98	1267894.98	1267969.75	1267969.75	1267953.29	1267953.29	1267967.62	1267967.62	1267964.60	1267964.60	1267569.74	1267569.74
	Y	204416.16	204416.16	204575.21	204575.21	204456.31	204456.31	204366.34	204366.34	204275.46	204275.46	204573.92	204573.92
	Soil Screening Level												
Polycyclic Aromatic Hydrocarbons (µg/kg)													
1-Methylnaphthalene		--	--	19 U	19 U	19 U	19 U	56 U	**22**	**300**	**1000**	**69 J**	4.8 U
2-Methylnaphthalene	720	--	--	19 U	19 U	19 U	19 U	56 U	19 U	**290**	**330**	**140**	**2.8 J**
Acenaphthene	17	--	--	19 U	19 U	19 U	19 U	56 U	19 U	**330**	**2700**	**12 J**	4.8 U
Acenaphthylene	1300	--	--	**25**	19 U	19 U	19 U	**54 J**	19 U	**3000**	**2000**	**16 J**	4.8 U
Anthracene	220	--	--	**61**	19 U	19 U	19 U	**33 J**	19 U	**2800**	**3200**	**24**	4.8 U
Benzo(a)anthracene	5	--	--	**230 J**	19 U	19 U	19 U	**77**	**16 J**	**5000**	**5300**	**39**	4.8 U
Benzo(a)pyrene	9.7	--	--	**220 J**	19 U	**30**	19 U	**110 J**	**19**	**7600**	**6000**	**38**	4.8 U
Benzo(b)fluoranthene	12	--	--	**220**	19 U	19 U	19 U	**88 J**	**16 J**	**4100**	**3200**	**57**	4.8 U
Benzo(g,h,i)perylene	590	--	--	**82 J**	19 U	19 U	19 U	**73 J**	**14 J**	**1900**	**1200**	**69 J**	4.8 U
Benzo(k)fluoranthene	12	--	--	**230 J**	19 U	19 U	19 U	**70 J**	**11 J**	**4100**	**3200**	**18 J**	4.8 U
Carbazole		--	--	--	--	--	--	--	--	--	--	98 U	19 U
Chrysene	6.4	--	--	**260 J**	19 U	**10 J**	19 U	**120**	**24**	**7300**	**7200**	**130**	4.8 U
Dibenzo(a,h)anthracene	18	--	--	**37 J**	19 U	19 U	19 U	56 U	19 U	**740**	**490**	**32**	4.7 U
Dibenzofuran	290	--	--	19 U	19 U	19 U	19 U	56 U	19 U	**230**	**360**	**84 J**	4.8 U
Fluoranthene	160	--	--	**570 J**	19 U	**21**	19 U	**140**	**27**	**9500**	**14000**	**230**	4.8 U
Fluorene	24	--	--	19 U	19 U	19 U	19 U	56 U	19 U	**1800**	**3100**	**16 J**	4.8 U
Indeno(1,2,3-c,d)pyrene	35	--	--	**83 J**	19 U	19 U	19 U	**76 J**	**11 J**	**1800**	**1200**	**24**	4.8 U
Naphthalene	120	--	--	19 U	19 U	19 U	19 U	56 U	19 U	**380**	**510**	**360**	4.8 U
Phenanthrene	1900	--	--	**370 J**	19 U	19 U	19 U	**58**	**12 J**	**6800**	**6300**	**350**	4.8 U
Pyrene	550	--	--	**350 J**	19 U	**17 J**	19 U	**120**	**31**	**9200**	**11000**	**170**	4.8 U
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	--	--	**302.6 J**	19 U	**30.1 J**	19 U	**142.3 J**	**24.64 J**	**9247**	**7411**	**56.3 J**	4.8 U
Total Petroleum Hydrocarbons (mg/kg)													
Gasoline range hydrocarbons	30	**320**	5.2 U	4.1 U	5.2 U	7.2 U	8.6 U	**8.5**	7.6 U	**270**	**62**	6 U	**13**
Diesel range hydrocarbons	2000	**3800**	**17**	**43**	6.2 U	**270**	**7.2**	**140**	**17**	**850**	**300**	**65**	6.2 U
Motor oil range hydrocarbons	2000	230 U	12 U	**180**	**17**	**40**	**14**	**390**	**22**	**530**	**210**	**800**	12 U
Total Diesel and Motor Oil (U = 0)	2000	**3800**	**17**	**223**	**17**	**310**	**21.2**	**530**	**39**	**1380**	**510**	**865**	12 U

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSIP2-01_1311	DSIP2-01_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312	DSIP2-04_1312	DSIP2-04_1312
	Depth	7 – 9 ft	9.5 – 11.5 ft	11 – 13 ft	2 – 4 ft	5 – 7 ft	8 – 10 ft	10.5 – 12.5 ft	2 – 4 ft	2 – 4 ft	5 – 7 ft	7.5 – 9.5 ft	11 – 12.5 ft	2 – 4 ft
	Sample ID	DSIP2-01-7-9	DSIP2-01-9.5-11.5	DSIP2-02-11-13	DSIP2-02-2-4	DSIP2-02-5-7	DSIP2-02-8-10	DSIP2-03-10.5-12.5	DSIP2-03-2-4	DSIP2-53-2-4	DSIP2-03-5-7	DSIP2-03-7.5-9.5	DSIP2-04-11-12.5	DSIP2-04-2-4
	Sample Date	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N	N
	X	1267569.74	1267569.74	1267562.38	1267562.38	1267562.38	1267562.38	1267719.57	1267719.57	1267719.57	1267719.57	1267719.57	1267759.22	1267759.22
	Y	204573.92	204573.92	204456.85	204456.85	204456.85	204456.85	204356.99	204356.99	204356.99	204356.99	204356.99	204362.24	204362.24
	Soil Screening Level													
Polycyclic Aromatic Hydrocarbons (µg/kg)														
1-Methylnaphthalene		4.8 U	**7.7**	4.8 U	**23**	5 U	**9.2**	**2.7 J**	**11 J**	**15**	4.7 U	4.8 U	4.8 U	**16**
2-Methylnaphthalene	720	4.8 U	**12**	4.8 U	**51**	5 U	**11**	**3.1 J**	**20**	**27**	4.7 U	4.8 U	**14**	**29**
Acenaphthene	17	4.8 U	4.9 U	4.8 U	**17**	5 U	4.7 U	4.7 U	4.6 U	4.7 U	4.7 U	4.8 U	4.8 U	**9.8 J**
Acenaphthylene	1300	4.8 U	4.9 U	4.8 U	**16 J**	5 U	4.7 U	4.7 U	**13 J**	**26**	4.7 U	4.8 U	4.8 U	**51**
Anthracene	220	4.8 U	**2.8 J**	4.8 U	**1700**	5 U	4.7 U	4.7 U	**5.4**	**20**	4.7 U	4.8 U	4.8 U	**28**
Benzo(a)anthracene	5	4.8 U	**3 J**	4.8 U	**290**	5 U	**3 J**	4.7 U	**27**	**45**	4.7 U	4.8 U	**4.7 J**	**120**
Benzo(a)pyrene	9.7	4.8 U	4.9 U	4.8 U	**300 J**	5 U	4.7 U	4.7 U	**27**	**44**	4.7 U	4.8 U	4.8 U	**190**
Benzo(b)fluoranthene	12	4.8 U	4.9 U	4.8 U	**330**	5 U	4.7 U	4.7 U	**14**	**38**	4.7 U	4.8 U	4.8 U	**99**
Benzo(g,h,i)perylene	590	4.8 U	4.9 U	4.8 U	**220 J**	5 U	4.7 U	4.7 U	**24**	**39**	4.7 U	4.8 U	4.8 U	**160**
Benzo(k)fluoranthene	12	4.8 U	4.9 U	4.8 U	**150**	5 U	4.7 U	4.7 U	**6.8**	**18**	4.7 U	4.8 U	4.8 U	**50**
Carbazole		19 U	19 U	19 U	**260**	20 U	19 U	19 U	18 U	19 U	18 U	19 U	19 U	**12 J**
Chrysene	6.4	4.8 U	**3.8 J**	4.8 U	**640**	5 U	**3.6 J**	4.7 U	**45**	**75**	4.7 U	4.8 U	4.8 U	**190**
Dibenzo(a,h)anthracene	18	4.8 U	4.8 U	4.8 U	**85 J**	4.9 U	4.7 U	4.7 U	**7.4 J**	**13 J**	4.6 U	**2.6 J**	4.8 U	**78 J**
Dibenzofuran	290	4.8 U	**3.5 J**	4.8 U	**57**	5 U	**4.3 J**	4.7 U	**16 J**	**19**	4.7 U	4.8 U	4.8 U	**11 J**
Fluoranthene	160	4.8 U	**13 J**	4.8 U	**670**	5 U	**9.8**	4.7 U	**74**	**140**	4.7 U	**9.2**	4.8 U	**220**
Fluorene	24	4.8 U	**3.2 J**	4.8 U	**100**	5 U	**2.3 J**	4.7 U	**3.8 J**	**14**	4.7 U	4.8 U	4.8 U	**18**
Indeno(1,2,3-c,d)pyrene	35	4.8 U	4.9 U	4.8 U	**200**	5 U	4.7 U	4.7 U	**18 J**	**25**	4.7 U	4.8 U	4.8 U	**130**
Naphthalene	120	4.8 U	**8.1**	**68**	**95**	5 U	**6.8**	**4.9**	**39**	**54**	4.7 U	**3.6 J**	**3.7 J**	**30**
Phenanthrene	1900	4.8 U	**9.3**	**3.3 J**	**520**	**2.8 J**	**9.9**	**3.8 J**	**86**	**160**	4.7 U	**4.4 J**	**3.6 J**	**110**
Pyrene	550	4.8 U	**9.5**	4.8 U	**650**	5 U	**11 J**	**17 J**	**69**	**150**	4.7 U	**7**	4.8 U	**310**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	4.8 U	**0.338 J**	4.8 U	**411.9 J**	5 U	**0.336 J**	4.7 U	**34.77 J**	**58.65 J**	4.7 U	**0.26 J**	**0.47 J**	**239.6 J**
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline range hydrocarbons	30	5.9 U	11 U	14 U	**10**	7.7 U	7.3 U	16 U	**46**	5.9 U	7.3 U	**15**	27 U	4.8 U
Diesel range hydrocarbons	2000	6.3 U	7.3 U	9.6 U	**120**	5.9 U	**8.8**	9.5 U	**11**	**13**	6.1 U	6.3 U	10 U	**100**
Motor oil range hydrocarbons	2000	13 U	15 U	**23**	**190**	12 U	13 U	**20**	**17**	**23**	12 U	13 U	20 U	**180**
Total Diesel and Motor Oil (U = 0)	2000	13 U	15 U	**23**	**310**	12 U	**8.8**	**20**	**28**	**36**	12 U	13 U	20 U	**280**

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSIP2-04_1312	DSIP2-04_1312	DSIP2-05_1311	DSIP2-05_1311	DSIP2-05_1311	DSIP2-05_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-07_1311	DSIP2-07_1311
	Depth	5.5 – 7 ft	8 – 9.5 ft	1.5 – 3.5 ft	11 – 13 ft	4 – 6 ft	8 – 10 ft	2 – 4 ft	4 – 6 ft	4 – 6 ft	6 – 8 ft	8.5 – 10 ft	1 – 3 ft	3 – 5 ft
	Sample ID	DSIP2-04-5.5-7	DSIP2-04-8-9.5	DSIP2-05-1.5-3.5	DSIP2-05-11-13	DSIP2-05-4-6	DSIP2-05-8-10	DSIP2-06-2-4	DSIP2-06-4-6	DSIP2-56-4-6	DSIP2-06-6-8	DSIP2-06-8.5-10	DSIP2-07-1-3	DSIP2-07-3-5
	Sample Date	12/4/2013	12/4/2013	11/20/2013	11/20/2013	11/20/2013	11/20/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/26/2013	11/26/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N	N
	X	1267759.22	1267759.22	1267858.93	1267858.93	1267858.93	1267858.93	1267821.70	1267821.70	1267821.70	1267821.70	1267821.70	1267896.21	1267896.21
	Y	204362.24	204362.24	204370.83	204370.83	204370.83	204370.83	204456.60	204456.60	204456.60	204456.60	204456.60	204592.61	204592.61
	Soil Screening Level													
Polycyclic Aromatic Hydrocarbons (µg/kg)														
1-Methylnaphthalene		5 U	4.8 U	**1800 J**	**2.5 J**	**180**	**3.1 J**	**35**	**1200**	**1700**	**67**	**2.9 J**	**12 J**	5 U
2-Methylnaphthalene	720	5 U	4.8 U	**860 J**	4.8 UJ	**270**	**3.2 J**	**110**	**160**	**180**	**60**	4.9 U	**15 J**	5 U
Acenaphthene	17	5 U	4.8 U	**220**	4.8 U	**85**	4.8 U	14 U	**180**	**150**	**27**	4.9 U	**2.6 J**	5 U
Acenaphthylene	1300	5 U	4.8 U	**870 J**	4.8 UJ	**4.9 J**	4.8 UJ	**12 J**	**36**	**110**	**6.9 J**	4.9 U	**3.4 J**	5 U
Anthracene	220	5 U	4.8 U	**700**	4.8 U	**39**	4.8 U	**17**	**18**	**33**	**25**	4.9 U	**16 J**	5 U
Benzo(a)anthracene	5	5 U	4.8 U	**2900**	4.8 U	**6.1**	4.8 U	**62 J**	**29 J**	**27**	**13 J**	4.9 U	**23**	5 U
Benzo(a)pyrene	9.7	5 U	4.8 U	**3500**	4.8 U	**6.3**	4.8 U	**100 J**	**37 J**	**35 J**	**13 J**	4.9 U	**17 J**	5 U
Benzo(b)fluoranthene	12	5 U	4.8 U	**2100**	4.8 U	**5.2**	4.8 U	**62**	**30**	**27**	**11 J**	4.9 U	**14**	5 U
Benzo(g,h,i)perylene	590	5 U	4.8 U	**2300**	4.8 U	**5.4**	4.8 U	**140 J**	**46 J**	**38 J**	**18 J**	4.9 U	**19 J**	5 U
Benzo(k)fluoranthene	12	5 U	4.8 U	**1100**	4.8 U	**2.6 J**	4.8 U	**29**	**15 J**	**13 J**	14 U	4.9 U	**6.3**	5 U
Carbazole		20 U	19 U	**100**	19 U	**26**	19 U	96 U	57 U	19 U	20 U	58 U	20 U	20 U
Chrysene	6.4	5 U	4.8 U	**4100**	**10 J**	**9.3 J**	**2.5 J**	**110**	**54 J**	**50**	**21**	4.9 U	**23**	5 U
Dibenzo(a,h)anthracene	18	5 U	4.8 U	**510**	4.8 U	4.6 U	4.8 U	**20 J**	**13 J**	**9.8 J**	**3 J**	4.9 U	**3.6 J**	5 U
Dibenzofuran	290	5 U	4.8 U	**160**	4.8 U	**17 J**	4.8 U	**11 J**	**130**	**180**	**18 J**	4.9 U	**13 J**	5 U
Fluoranthene	160	5 U	**15**	**3600**	4.8 U	**32**	**5.6**	**140**	**89**	**83**	**52**	4.9 U	**70**	5 U
Fluorene	24	5 U	4.8 U	**750**	**14 J**	**48**	4.8 U	**10 J**	**480**	**570**	**59**	4.9 U	**9.8 J**	5 U
Indeno(1,2,3-c,d)pyrene	35	5 U	4.8 U	**1800**	4.8 U	**3.7 J**	4.8 U	**72 J**	**18**	**23**	**9.8 J**	4.9 U	**11 J**	5 U
Naphthalene	120	**3.6 J**	4.8 U	**840 J**	**33**	**150**	**12 J**	**100**	**120**	**92**	**36**	**150**	**22**	5 U
Phenanthrene	1900	5 U	**2.7 J**	**1200**	**3.2 J**	**130**	**5.2**	**100**	**600**	**1000**	**80**	**2.8 J**	**36**	5 U
Pyrene	550	5 U	**9.2**	**5500**	**13 J**	**42**	**4.8**	**190**	**120**	**120**	**57**	4.9 U	**62**	5 U
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	5 U	4.8 U	**4382**	**0.1 J**	**8.153 J**	**0.025 J**	**125.6 J**	**48.04 J**	**45.48 J**	**16.89 J**	4.9 U	**23.02 J**	5 U
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline range hydrocarbons	30	6.5 U	6.8 U	**130**	13 U	**16**	8.5 U	**29**	**1200**	**390**	**12**	13 U	8.5 U	7.4 U
Diesel range hydrocarbons	2000	6 U	6.3 U	**1300**	8.1 U	**6.3**	6.7 U	**500**	**980**	**950**	**170**	8.3 U	**7.1**	5.9 U
Motor oil range hydrocarbons	2000	12 U	13 U	**1500**	16 U	12 U	13 U	**1200**	**150**	**170**	**51**	17 U	**13**	12 U
Total Diesel and Motor Oil (U = 0)	2000	12 U	13 U	**2800**	16 U	**6.3**	13 U	**1700**	**1130**	**1120**	**221**	17 U	**20.1**	12 U

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSIP2-07_1311	DSIP2-07_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-09_1311	DSIP2-09_1311	DSIP2-09_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-11_1312
	Depth	5 – 7 ft	8 – 10 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	8.5 – 10.5 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	1.5 – 3 ft
	Sample ID	DSIP2-07-5-7	DSIP2-07-8-10	DSIP2-08-1-3	DSIP2-08-3.5-5.5	DSIP2-08-6-8	DSIP2-08-8.5-10.5	DSIP2-09-2-4	DSIP2-09-4.5-6.5	DSIP2-09-7-9	DSIP2-10-1-3	DSIP2-10-3.5-5.5	DSIP2-10-6-8	DSIP2-11-1.5-3
	Sample Date	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	12/4/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267896.21	1267896.21	1267991.80	1267991.80	1267991.80	1267991.80	1268002.99	1268002.99	1268002.99	1267966.58	1267966.58	1267966.58	1267128.73
	Y	204592.61	204592.61	204592.40	204592.40	204592.40	204592.40	204347.85	204347.85	204347.85	204286.98	204286.98	204286.98	204368.73
	Soil Screening Level													
Polycyclic Aromatic Hydrocarbons (µg/kg)														
1-Methylnaphthalene		4.8 U	4.8 U	**12**	**140**	4.7 U	4.9 U	**40**	**19**	**170**	**84**	**21**	**12 J**	**71**
2-Methylnaphthalene	720	4.8 U	4.8 U	**11**	**220**	**11 J**	4.9 U	**35**	**7.3**	**370**	**180**	**43**	5 U	**120**
Acenaphthene	17	4.8 U	4.8 U	**6.9**	**430**	**2.8 J**	4.9 U	**9.9 J**	**5.8**	**30 J**	14 U	**2.8 J**	**19 J**	**24**
Acenaphthylene	1300	4.8 U	4.8 U	**20**	**63**	4.7 U	4.9 U	**24**	4.8 U	**1200**	**1100**	**62**	5 U	**8**
Anthracene	220	4.8 U	4.8 U	**27**	**420**	**3.4 J**	4.9 U	**24**	4.8 U	**500**	**600**	**40**	5 U	**58**
Benzo(a)anthracene	5	4.8 U	4.8 U	**86**	**920**	**2.6 J**	4.9 U	**110**	4.8 U	**2800**	**2100**	**180**	5 U	**83**
Benzo(a)pyrene	9.7	4.8 U	4.8 U	**130**	**880 J**	4.7 U	4.9 U	**140 J**	4.8 U	**4600 J**	**3600**	**240 J**	5 U	**92**
Benzo(b)fluoranthene	12	4.8 U	4.8 U	**90**	**350**	4.7 U	4.9 U	**60**	4.8 U	4.9 U	**2000**	**47**	**2.5 J**	**83**
Benzo(g,h,i)perylene	590	4.8 U	4.8 U	**170**	**520 J**	4.7 U	4.9 U	**110 J**	4.8 U	**3000 J**	**2600**	**140 J**	**3.3 J**	**92**
Benzo(k)fluoranthene	12	4.8 U	4.8 U	**51**	**170**	4.7 U	4.9 U	**29**	4.8 U	4.9 U	**920**	**26**	5 U	**34**
Carbazole		19 U	19 U	20 U	**100**	19 U	20 U	20 U	19 U	**100**	19 U	20 U	20 U	56 U
Chrysene	6.4	**3.1 J**	4.8 U	**110**	**1200**	**2.9 J**	4.9 U	**150**	**2.6 J**	**3700**	**3200**	**250 J**	**3.7 J**	**120**
Dibenzo(a,h)anthracene	18	4.7 U	4.8 U	**29**	**180 J**	4.7 U	4.9 U	**28 J**	4.8 U	**780 J**	**550**	**40 J**	5 U	**23 J**
Dibenzofuran	290	4.8 U	4.8 U	**6**	**300**	**2.5 J**	4.9 U	**20**	**4.6 J**	**41 J**	**51**	4.9 U	**2.8 J**	**33**
Fluoranthene	160	**5.2**	4.8 U	**170**	**2400**	**23**	**3.3 J**	**200**	**5.4**	**3400**	**2000**	**300**	**13 J**	**210**
Fluorene	24	4.8 U	4.8 U	**14**	**450**	**3.5 J**	4.9 U	**18 J**	**24**	**130**	**140**	**7.6**	**6**	**23**
Indeno(1,2,3-c,d)pyrene	35	4.8 U	4.8 U	**120**	**440**	4.7 U	4.9 U	**76**	4.8 U	**2400**	**1900**	**110 J**	5 U	**61**
Naphthalene	120	4.8 U	4.8 U	**14 J**	**400**	**24**	4.9 U	**47**	**9.4**	**510**	**260**	**72**	**28**	**87**
Phenanthrene	1900	**4.1 J**	4.8 U	**150**	**1100**	**20**	**3.6 J**	**100**	**11 J**	**530**	**340**	**39**	**15 J**	**240**
Pyrene	550	**5.2**	4.8 U	**200**	**2800**	**26**	**4 J**	**220**	**5**	**5100**	**3800**	**470 J**	**13 J**	**210**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	**0.031 J**	4.8 U	**168.7**	**1098 J**	**0.289 J**	4.9 U	**171.8 J**	**0.026 J**	**5235 J**	**4379**	**282.8 J**	**0.287 J**	**121.6 J**
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline range hydrocarbons	30	7.2 U	16 U	7.1 U	**42**	7.7 U	8.7 U	**28**	**16**	14 U	7.4 U	7.1 U	9.2 U	9.2 U
Diesel range hydrocarbons	2000	6.2 U	9 U	**8.2**	**140**	6.2 U	7.2 U	**130**	**49**	7.7 U	**130**	6.3 U	7.4 U	**92**
Motor oil range hydrocarbons	2000	12 U	**21**	**30**	**110**	12 U	14 U	**27**	12 U	15 U	**120**	13 U	15 U	**200**
Total Diesel and Motor Oil (U = 0)	2000	12 U	**21**	**38.2**	**250**	12 U	14 U	**157**	**49**	15 U	**250**	13 U	15 U	**292**

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSIP2-11_1312	DSIP2-11_1312	DSIP2-11_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-14_1311
	Depth	3.5 – 5 ft	5.5 – 7 ft	9 – 11 ft	11 – 13 ft	2.5 – 4.5 ft	5 – 7 ft	8 – 10 ft	2 – 3.5 ft	3.5 – 5 ft	6 – 8 ft	9 – 11 ft	9 – 11 ft	1 – 3 ft
	Sample ID	DSIP2-11-3.5-5	DSIP2-11-5.5-7	DSIP2-11-9-11	DSIP2-12-11-13	DSIP2-12-2.5-4.5	DSIP2-12-5-7	DSIP2-12-8-10	DSIP2-13-2-3.5	DSIP2-13-3.5-5	DSIP2-13-6-8	DSIP2-13-9-11	DSIP2-63-9-11	DSIP2-14-1-3
	Sample Date	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	FD	N
	X	1267128.73	1267128.73	1267128.73	1267281.17	1267281.17	1267281.17	1267281.17	1267446.25	1267446.25	1267446.25	1267446.25	1267446.25	1267473.67
	Y	204368.73	204368.73	204368.73	204371.54	204371.54	204371.54	204371.54	204365.45	204365.45	204365.45	204365.45	204365.45	204378.75
Soil Screening Level														
Polycyclic Aromatic Hydrocarbons (µg/kg)														
1-Methylnaphthalene		4.9 U	4.8 U	4.8 U	**2.5 J**	**7.7**	**18**	4.7 U	**33**	4.8 U	**3.9 J**	4.9 U	4.9 U	**9**
2-Methylnaphthalene	720	4.9 U	**3.1 J**	**110**	**4.1 J**	**9.7**	**29**	4.7 U	**28**	4.8 U	**6**	4.9 U	4.9 U	**9.8**
Acenaphthene	17	4.9 U	4.8 U	4.8 U	4.9 U	4.9 U	4.8 U	4.7 U	**15**	**9.6**	**4.6 J**	4.9 U	4.9 U	**2.5 J**
Acenaphthylene	1300	4.9 U	4.8 U	4.8 U	4.9 U	**3.5 J**	**4.7 J**	4.7 U	**3.6 J**	4.8 U	**4.6 J**	4.9 U	4.9 U	**2.9 J**
Anthracene	220	4.9 U	4.8 U	4.8 U	4.9 U	**12**	**17**	4.7 U	**12**	**4.6 J**	**5.5**	4.9 U	4.9 U	**7.6**
Benzo(a)anthracene	5	4.9 U	4.8 U	4.8 U	4.9 U	**16**	**25**	4.7 U	**24**	4.8 U	**11 J**	4.9 U	4.9 U	**21**
Benzo(a)pyrene	9.7	4.9 U	4.8 U	4.8 U	4.9 U	**12**	**18 J**	4.7 U	**14**	4.8 U	**11 J**	4.9 U	4.9 U	**17**
Benzo(b)fluoranthene	12	4.9 U	4.8 U	4.8 U	4.9 U	**14**	**23**	4.7 U	**23**	4.8 U	**6.6**	4.9 U	4.9 U	**18**
Benzo(g,h,i)perylene	590	4.9 U	4.8 U	4.8 U	4.9 U	**10**	**26**	4.7 U	**15**	4.8 U	**13 J**	4.9 U	4.9 U	**13**
Benzo(k)fluoranthene	12	4.9 U	4.8 U	4.8 U	4.9 U	**6.2**	**9.8**	4.7 U	**9.9**	4.8 U	**3 J**	4.9 U	4.9 U	**9.5**
Carbazole		20 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U
Chrysene	6.4	4.9 U	4.8 U	4.8 U	4.9 U	**20**	**36**	4.7 U	**36**	4.8 U	**16 J**	4.9 U	4.9 U	**29**
Dibenzo(a,h)anthracene	18	4.9 U	4.7 U	4.7 U	4.9 U	**2.5 J**	**6.7 J**	4.7 U	**4.2 J**	4.8 U	4.7 U	4.9 U	4.9 U	4.7 U
Dibenzofuran	290	4.9 U	4.8 U	4.8 U	4.9 U	**11**	**15**	4.7 U	**24**	**3 J**	**6.9**	4.9 U	4.9 U	**7.2**
Fluoranthene	160	4.9 U	**5.1**	4.8 U	4.9 U	**58**	**62**	4.7 U	**70**	**8.5**	**38**	4.9 U	4.9 U	**45**
Fluorene	24	4.9 U	4.8 U	4.8 U	4.9 U	**9.1**	**7**	4.7 U	**21**	**8.8**	**6.5**	4.9 U	4.9 U	**5.8**
Indeno(1,2,3-c,d)pyrene	35	4.9 U	4.8 U	4.8 U	4.9 U	**7.2**	**18 J**	4.7 U	**11**	4.8 U	**11 J**	4.9 U	4.9 U	**8.8**
Naphthalene	120	**9.8 J**	**11**	**2.9 J**	4.9 U	**20**	**42**	4.7 U	**40**	**2.6 J**	**22**	4.9 U	4.9 U	**13 J**
Phenanthrene	1900	4.9 U	**3.1 J**	4.8 U	**2.8 J**	**30**	**50**	4.7 U	**70**	**3.2 J**	**32**	4.9 U	4.9 U	**28**
Pyrene	550	**3.1 J**	**4.2 J**	4.8 U	4.9 U	**50**	**55**	4.7 U	**68**	**8.2**	**38**	4.9 U	**3 J**	**48**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	4.9 U	4.8 U	4.8 U	4.9 U	**16.79 J**	**26.61 J**	4.7 U	**21.57 J**	4.8 U	**14.32 J**	4.9 U	4.9 U	**23.02**
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline range hydrocarbons	30	7 U	6.8 U	11 U	14 U	6.6 U	6.9 U	6 U	**19**	**9.3**	7.7 U	8.4 U	10 U	--
Diesel range hydrocarbons	2000	6.4 U	6.2 U	7.7 U	9.8 U	**15**	**30**	6.2 U	**19**	6.3 U	7 U	7.3 U	7.3 U	--
Motor oil range hydrocarbons	2000	13 U	12 U	15 U	**29**	**36**	**59**	12 U	**22**	13 U	**18**	15 U	15 U	--
Total Diesel and Motor Oil (U = 0)	2000	13 U	12 U	15 U	**29**	**51**	**89**	12 U	**41**	13 U	**18**	15 U	15 U	--

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSIP2-14_1311	DSIP2-14_1311	DSIP2-14_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311
	Depth	3 – 5 ft	6 – 8 ft	9 – 11 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft	11 – 13 ft	2 – 4 ft	5 – 7 ft	8 – 10 ft	10 – 12 ft	2 – 4 ft	5 – 7 ft
	Sample ID	DSIP2-14-3-5	DSIP2-14-6-8	DSIP2-14-9-11	DSIP2-15-2-4	DSIP2-15-4-6	DSIP2-15-6-8	DSIP2-15-9-11	DSIP2-16-11-13	DSIP2-16-2-4	DSIP2-16-5-7	DSIP2-16-8-10	DSIP2-17-10-12	DSIP2-17-2-4	DSIP2-17-5-7
	Sample Date	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/20/2013	11/20/2013	11/20/2013	11/20/2013	11/22/2013	11/22/2013	11/22/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267473.67	1267473.67	1267473.67	1267509.17	1267509.17	1267509.17	1267509.17	1267562.84	1267562.84	1267562.84	1267562.84	1267480.85	1267480.85	1267480.85
	Y	204378.75	204378.75	204378.75	204385.33	204385.33	204385.33	204385.33	204360.20	204360.20	204360.20	204360.20	204502.28	204502.28	204502.28
	Soil Screening Level														
Polycyclic Aromatic Hydrocarbons (µg/kg)															
1-Methylnaphthalene		4.7 U	**14 J**	**2.5 J**	**13**	4.9 U	4.7 U	4.8 U	4.9 UJ	**5.9 J**	4.7 UJ	**3.1 J**	4.7 U	4.9 U	4.9 U
2-Methylnaphthalene	720	4.7 U	**14 J**	4.8 U	**18 J**	**2.8 J**	4.7 U	4.8 U	4.9 UJ	**7.6 J**	4.7 UJ	**3.7 J**	4.7 U	4.9 U	4.9 U
Acenaphthene	17	**2.8 J**	**14 J**	4.8 U	**8.6**	4.9 U	4.7 U	4.8 U	4.9 U	4.8 U	4.7 U	4.8 U	4.7 U	4.9 U	4.9 U
Acenaphthylene	1300	4.7 U	**4.2 J**	4.8 U	**8.1**	4.9 U	4.7 U	4.8 U	4.9 UJ	4.8 UJ	4.7 UJ	4.8 UJ	4.7 U	4.9 U	4.9 U
Anthracene	220	4.7 U	**24**	4.8 U	**24**	4.9 U	4.7 U	4.8 U	4.9 U	**2.9 J**	4.7 U	**3 J**	4.7 U	4.9 U	4.9 U
Benzo(a)anthracene	5	4.7 U	**24**	4.8 U	**67**	4.9 U	**2.6 J**	4.8 U	4.9 U	**6.2**	4.7 U	**4.2 J**	4.7 U	**2.5 J**	4.9 U
Benzo(a)pyrene	9.7	4.7 U	**18 J**	4.8 U	**67**	4.9 U	4.7 U	4.8 U	4.9 U	**3.5 J**	4.7 U	**3.2 J**	4.7 U	4.9 U	4.9 U
Benzo(b)fluoranthene	12	4.7 U	**12**	4.8 U	**66**	4.9 U	**2.5 J**	4.8 U	4.9 U	**6**	4.7 U	**5.3**	4.7 U	**3.2 J**	4.9 U
Benzo(g,h,i)perylene	590	4.7 U	**19**	4.8 U	**38**	4.9 U	4.7 U	4.8 U	4.9 U	**3.8 J**	4.7 U	**5.4**	4.7 U	**3.4 J**	4.9 UJ
Benzo(k)fluoranthene	12	4.7 U	**6**	4.8 U	**34**	4.9 U	4.7 U	4.8 U	4.9 U	**2.7 J**	4.7 U	**2.6 J**	4.7 U	4.9 U	4.9 U
Carbazole		19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	20 U
Chrysene	6.4	4.7 U	**28**	**2.5 J**	**85**	4.9 U	**3.7 J**	4.8 U	4.9 U	**11**	4.7 U	**6.4**	4.7 U	**13 J**	4.9 U
Dibenzo(a,h)anthracene	18	4.7 U	**3.6 J**	4.7 UJ	**10**	4.9 U	4.7 U	4.8 U	4.9 U	4.8 U	4.7 U	4.8 U	4.7 U	4.9 U	4.9 U
Dibenzofuran	290	4.7 U	**23**	4.8 U	**17**	4.9 U	4.7 U	4.8 U	4.9 U	**4.6 J**	4.7 U	**3.4 J**	4.7 U	4.9 U	4.9 U
Fluoranthene	160	**8.9**	**98**	**5**	**77**	**3.6 J**	**12 J**	**2.7 J**	4.9 U	**19**	4.7 U	**25**	4.7 U	**23**	**5.7**
Fluorene	24	4.7 U	**24**	4.8 U	**17**	4.9 U	4.7 U	4.8 U	**17 J**	4.8 U	4.7 U	**3.8 J**	4.7 U	4.9 U	4.9 U
Indeno(1,2,3-c,d)pyrene	35	4.7 U	**14 J**	4.8 U	**30**	4.9 U	4.7 U	4.8 U	4.9 U	4.8 U	4.7 U	**4.1 J**	4.7 U	4.9 U	4.9 U
Naphthalene	120	4.7 U	**35**	**3 J**	**47**	**3 J**	**3.7 J**	**3.6 J**	**65**	**15 J**	4.7 UJ	**18 J**	**56**	**16 J**	4.9 U
Phenanthrene	1900	4.7 U	**65**	4.8 U	**62**	**3.3 J**	**5.9**	**4.2 J**	4.9 U	**17 J**	4.7 U	**24**	4.7 U	**22**	**5.2**
Pyrene	550	**7.3**	**93**	**4.7 J**	**73**	**4.3 J**	**11 J**	**3.3 J**	4.9 U	**18 J**	**2.5 J**	**25**	4.7 U	**18 J**	**6.1**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	4.7 U	**24.24 J**	**0.025 J**	**88.55**	4.9 U	**0.547 J**	4.8 U	4.9 U	**5.1 J**	4.7 U	**4.884 J**	4.7 U	**0.7 J**	4.9 U
Total Petroleum Hydrocarbons (mg/kg)															
Gasoline range hydrocarbons	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diesel range hydrocarbons	2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Motor oil range hydrocarbons	2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Diesel and Motor Oil (U = 0)	2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSIP2-17_1311	DSIP2-18_1312	DSIP2-18_1312	DSIP2-18_1312	DSIP2-18_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312
	Depth	7 – 9 ft	0.5 – 2.5 ft	10.5 – 12.5 ft	3 – 5 ft	7 – 9 ft	1.3 – 3.5 ft	10 – 12 ft	5 – 7 ft	7.5 – 9 ft	11 – 13 ft	2.5 – 4.5 ft	5 – 7 ft	7.5 – 9.5 ft
	Sample ID	DSIP2-17-7-9	DSIP2-18-0.5-2.5	DSIP2-18-10.5-12.5	DSIP2-18-3-5	DSIP2-18-7-9	DSIP2-19-1.3-3.5	DSIP2-19-10-12	DSIP2-19-5-7	DSIP2-19-7.5-9	DSIP2-20-11-13	DSIP2-20-2.5-4.5	DSIP2-20-5-7	DSIP2-20-7.5-9.5
	Sample Date	11/22/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/2/2013	12/2/2013	12/2/2013	12/2/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267480.85	1267490.47	1267490.47	1267490.47	1267490.47	1267489.96	1267489.96	1267489.96	1267489.96	1267608.74	1267608.74	1267608.74	1267608.74
	Y	204502.28	204558.51	204558.51	204558.51	204558.51	204622.78	204622.78	204622.78	204622.78	204585.93	204585.93	204585.93	204585.93
	Soil Screening Level													
Polycyclic Aromatic Hydrocarbons (µg/kg)														
1-Methylnaphthalene		**12**	**250**	**3.3 J**	4.6 U	**1800**	4.7 U	4.8 U	4.6 U	**2.5 J**	4.8 U	**11 J**	4.7 UJ	**5.2**
2-Methylnaphthalene	720	**14**	**170**	**3.9 J**	**2.4 J**	**2800**	4.7 U	**6.4**	**2.6 J**	4.9 U	4.8 U	**15 J**	4.7 UJ	**11 J**
Acenaphthene	17	**10**	**950**	**4.1 J**	4.6 U	**4600**	4.7 U	4.8 U	4.6 U	4.9 U	4.8 U	4.8 U	4.7 UJ	**3.2 J**
Acenaphthylene	1300	**5.4**	**20**	4.7 U	4.6 U	**84**	4.7 U	4.8 U	4.6 U	4.9 U	4.8 UJ	**4.2 J**	4.7 UJ	5 UJ
Anthracene	220	**22**	**1000**	**6.5**	4.6 U	**2400**	4.7 U	4.8 U	4.6 U	4.9 U	4.8 U	**8**	4.7 U	**7.3**
Benzo(a)anthracene	5	**23**	**540**	4.7 U	4.6 U	**1200**	**3.5 J**	4.8 U	**2.8 J**	4.9 U	**2.4 J**	**24**	4.7 U	**14 J**
Benzo(a)pyrene	9.7	**16**	**190**	4.7 U	4.6 U	**300**	**3.8 J**	4.8 U	**2.3 J**	4.9 U	4.8 U	**24**	4.7 U	5 U
Benzo(b)fluoranthene	12	**18**	**100 J**	4.7 U	4.6 U	**370**	**4.1 J**	4.8 U	**2.6 J**	4.9 U	4.8 U	**32**	4.7 U	**5.7**
Benzo(g,h,i)perylene	590	**16 J**	**85**	4.7 U	4.6 U	**84**	**4.5 J**	4.8 U	**3 J**	4.9 U	4.8 U	**38**	4.7 U	**4.8 J**
Benzo(k)fluoranthene	12	**7**	**50 J**	4.7 U	4.6 U	**200**	4.7 U	4.8 U	4.6 U	4.9 U	4.8 U	**13**	4.7 U	**2.8 J**
Carbazole		19 U	**560**	19 U	18 U	**360**	19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U
Chrysene	6.4	**25**	**560**	**2.7 J**	4.6 U	**1200**	**5.2**	4.8 U	**3.6 J**	**2.8 J**	4.8 U	**53**	4.7 U	**13 J**
Dibenzo(a,h)anthracene	18	**2.6**	**43 J**	4.6 U	4.5 U	**33 J**	4.7 U	4.8 U	4.6 U	4.8 U	4.8 U	**19**	4.7 U	5 U
Dibenzofuran	290	**16**	**800**	**4.2 J**	**2.3 J**	**4300**	4.7 U	4.8 U	4.6 U	4.9 U	4.8 U	**17 J**	4.7 UJ	**6**
Fluoranthene	160	**93**	**3400**	**15 J**	**10 J**	**8200**	**9.2**	**3.3 J**	**6.8**	**7.4**	4.8 U	**75**	4.7 U	**44**
Fluorene	24	**22**	**1300**	**5.5**	4.6 U	**5400**	4.7 U	4.8 U	4.6 U	4.9 U	4.8 U	**3 J**	4.7 UJ	**10 J**
Indeno(1,2,3-c,d)pyrene	35	**9.8**	**82**	4.7 U	4.6 U	**75**	**3.3 J**	4.8 U	4.6 U	4.9 U	4.8 U	**29**	4.7 U	5 U
Naphthalene	120	**20**	**260**	**6.6**	**14 J**	**5300**	4.7 U	**3 J**	**2.3 J**	4.9 U	**2.4 J**	**32**	4.7 UJ	**10 J**
Phenanthrene	1900	**48**	**5100**	**29**	**21**	**18000**	**8.9**	**5.5**	**3.7 J**	**7**	**4.6 J**	**77**	4.7 U	**22**
Pyrene	550	**92**	**2000**	**12 J**	4.6 U	**4700**	**6.4**	**2.6 J**	**11 J**	**7.1**	4.8 U	**62**	4.7 U	**34**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	**22.29**	**277.1 J**	**0.027 J**	4.6 U	**499.8 J**	**4.942 J**	4.8 U	**2.876 J**	**0.028 J**	**0.24 J**	**36.23**	4.7 U	**2.38 J**
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline range hydrocarbons	30	--	--	--	--	--	5.8 U	22 U	8.5 U	8.6 U	18 U	6.7 U	9 U	7.9 U
Diesel range hydrocarbons	2000	--	--	--	--	--	5.3 U	12 U	6 U	**10**	9.5 U	**22**	6.1 U	7 U
Motor oil range hydrocarbons	2000	--	--	--	--	--	11 U	**57**	**13**	13 U	**31**	**71**	12 U	14 U
Total Diesel and Motor Oil (U = 0)	2000	--	--	--	--	--	11 U	**57**	**13**	**10**	**31**	**93**	12 U	14 U

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSIP2-21_1311	DSIP2-21_1311	DSIP2-21_1311	DSIP2-21_1311	DSIP2-22_1312	DSIP2-22_1312	DSIP2-22_1312	DSIP2-22_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312
	Depth	10 – 12 ft	2 – 4 ft	5 – 7 ft	7 – 9 ft	10 – 12 ft	2 – 4 ft	4 – 6 ft	7 – 9 ft	1.5 – 3 ft	10.5 – 12.5 ft	5 – 7 ft	5 – 7 ft	7.5 – 9.5 ft
	Sample ID	DSIP2-21-10-12	DSIP2-21-2-4	DSIP2-21-5-7	DSIP2-21-7-9	DSIP2-22-10-12	DSIP2-22-2-4	DSIP2-22-4-6	DSIP2-22-7-9	DSIP2-23-1.5-3	DSIP2-23-10.5-12.5	DSIP2-23-5-7	DSIP2-73-5-7	DSIP2-23-7.5-9.5
	Sample Date	11/22/2013	11/22/2013	11/22/2013	11/22/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/2/2013	12/2/2013	12/2/2013	12/2/2013	12/2/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	FD	N
	X	1267645.48	1267645.48	1267645.48	1267645.48	1267750.33	1267750.33	1267750.33	1267750.33	1267680.39	1267680.39	1267680.39	1267680.39	1267680.39
	Y	204478.29	204478.29	204478.29	204478.29	204629.75	204629.75	204629.75	204629.75	204601.37	204601.37	204601.37	204601.37	204601.37
	Soil Screening Level													
Polycyclic Aromatic Hydrocarbons (µg/kg)														
1-Methylnaphthalene		5 U	**4.4 J**	5 U	**3.1 J**	4.7 U	**21**	4.6 U	**28**	**11 J**	4.9 U	4.6 U	**18 J**	4.9 U
2-Methylnaphthalene	720	**12**	**5.2**	5 U	5 U	**10**	**28**	4.6 U	**16 J**	**16 J**	4.9 U	4.6 U	4.8 U	4.9 U
Acenaphthene	17	5 U	4.8 U	5 U	5 U	4.7 U	**44**	**2.5 J**	**200**	4.9 U	4.9 U	4.6 U	4.8 U	4.9 U
Acenaphthylene	1300	5 U	4.8 U	5 U	5 U	4.7 U	**39**	4.6 U	4.6 U	**3.4 J**	4.9 UJ	4.6 UJ	4.8 UJ	4.9 UJ
Anthracene	220	5 U	**2.9 J**	5 U	5 U	4.7 U	**57**	4.6 U	**4.3 J**	**12 J**	4.9 U	4.6 U	4.8 U	4.9 U
Benzo(a)anthracene	5	5 U	**12 J**	5 U	5 U	4.7 U	**120**	4.6 U	**4 J**	**31**	4.9 U	4.6 U	4.8 U	4.9 U
Benzo(a)pyrene	9.7	5 U	**5.4**	5 U	5 U	4.7 U	**160**	4.6 U	4.6 U	**17 J**	4.9 U	4.6 U	4.8 U	4.9 U
Benzo(b)fluoranthene	12	5 U	**7.6**	5 U	5 U	4.7 U	**130**	4.6 U	**3.2 J**	**24**	4.9 U	4.6 U	4.8 U	4.9 U
Benzo(g,h,i)perylene	590	5 UJ	**5.4 J**	5 UJ	5 UJ	4.7 U	**150**	4.6 U	4.6 U	**30**	4.9 U	4.6 U	4.8 U	4.9 U
Benzo(k)fluoranthene	12	5 U	**2.8 J**	5 U	5 U	4.7 U	**59**	4.6 U	4.6 U	**9.3**	4.9 U	4.6 U	4.8 U	4.9 U
Carbazole		20 U	19 U	20 U	20 U	19 U	**23**	19 U	**14 J**	20 U	20 U	19 U	19 U	20 U
Chrysene	6.4	**5.8**	**20**	5 U	**2.5 J**	4.7 U	**170**	4.6 U	**4.3 J**	**47**	4.9 U	4.6 U	4.8 U	4.9 U
Dibenzo(a,h)anthracene	18	4.9 U	4.7 U	5 U	4.9 U	4.7 U	**60 J**	4.6 U	4.6 U	**12**	4.9 U	4.6 U	4.8 U	4.9 U
Dibenzofuran	290	5 U	**4.8**	5 U	5 U	4.7 U	**39**	**2.3 J**	**3.5 J**	**17 J**	4.9 U	4.6 U	4.8 U	4.9 U
Fluoranthene	160	5 U	**29**	5 U	5 U	4.7 U	**280**	**4.2 J**	**20**	**98**	4.9 U	4.6 U	4.8 U	4.9 U
Fluorene	24	5 U	**4.4 J**	5 U	5 U	**12 J**	**33**	**2.8 J**	**29**	**3.3 J**	4.9 U	4.6 U	4.8 U	4.9 U
Indeno(1,2,3-c,d)pyrene	35	5 U	**3.4 J**	5 U	5 U	4.7 U	**120**	4.6 U	4.6 U	**20**	4.9 U	4.6 U	4.8 U	4.9 U
Naphthalene	120	5 U	**10**	5 U	5 U	**3.6 J**	**54**	**3.2 J**	**120**	**30**	4.9 U	4.6 U	4.8 U	4.9 U
Phenanthrene	1900	5 U	**23**	5 U	**5.6**	**3.7 J**	**210**	**6**	**22**	**58**	4.9 U	4.6 U	4.8 U	**5.5**
Pyrene	550	5 U	**27**	5 U	**2.8 J**	4.7 U	**270**	**3.1 J**	**17**	**79**	4.9 U	4.6 U	4.8 U	4.9 U
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	**0.058**	**8.18 J**	5 U	**0.025 J**	4.7 U	**210.6 J**	4.6 U	**0.763 J**	**27.1 J**	4.9 U	4.6 U	4.8 U	4.9 U
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline range hydrocarbons	30	--	--	--	--	--	--	--	--	--	--	--	--	--
Diesel range hydrocarbons	2000	--	--	--	--	--	--	--	--	--	--	--	--	--
Motor oil range hydrocarbons	2000	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Diesel and Motor Oil (U = 0)	2000	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSIP2-24_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311	DSIP2-26_1312	DSIP2-26_1312	DSIP2-26_1312	DSIP2-26_1312	DSIP2-27_1311
	Depth	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	8.5 – 10 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft	1 – 3 ft	3 – 5 ft	5 – 7 ft	8.5 – 10 ft	1.5 – 3.5 ft
	Sample ID	DSIP2-24-1-3	DSIP2-24-3.5-5.5	DSIP2-24-6-8	DSIP2-24-8.5-10	DSIP2-25-2-4	DSIP2-25-4-6	DSIP2-25-6-8	DSIP2-25-9-11	DSIP2-26-1-3	DSIP2-26-3-5	DSIP2-26-5-7	DSIP2-26-8.5-10	DSIP2-27-1.5-3.5
	Sample Date	12/3/2013	12/3/2013	12/3/2013	12/3/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	11/20/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267794.30	1267794.30	1267794.30	1267794.30	1267844.52	1267844.52	1267844.52	1267844.52	1267925.30	1267925.30	1267925.30	1267925.30	1267800.30
	Y	204566.47	204566.47	204566.47	204566.47	204565.36	204565.36	204565.36	204565.36	204539.02	204539.02	204539.02	204539.02	204380.32
	Soil Screening Level													
Polycyclic Aromatic Hydrocarbons (µg/kg)														
1-Methylnaphthalene		**40 J**	4.8 U	**2.8 J**	4.8 U	4.9 U	5 U	**2.8 J**	4.8 U	**11**	4.9 U	**12**	4.7 U	**19 J**
2-Methylnaphthalene	720	**20**	4.8 U	5 U	**56**	4.9 U	5 U	**2.8 J**	4.8 U	**12**	4.9 U	**15**	4.7 U	**36 J**
Acenaphthene	17	**84**	**3.9 J**	**2.5 J**	4.8 U	4.9 U	5 U	5 U	4.8 U	**7.7**	4.9 U	4.7 U	4.7 U	**12 J**
Acenaphthylene	1300	14 U	4.8 U	5 U	4.8 U	4.9 U	5 U	5 U	4.8 U	**2.6 J**	4.9 U	4.7 U	4.7 U	**33 J**
Anthracene	220	**18**	4.8 U	5 U	4.8 U	4.9 U	5 U	5 U	4.8 U	**22**	4.9 U	4.7 U	4.7 U	**37**
Benzo(a)anthracene	5	**25**	4.8 U	5 U	4.8 U	4.9 U	**2.8 J**	**3.3 J**	4.8 U	**50**	4.9 U	4.7 U	4.7 U	**140**
Benzo(a)pyrene	9.7	**23**	4.8 U	5 U	4.8 U	4.9 U	**3.4 J**	5 U	4.8 U	**50**	4.9 U	**5.8**	4.7 U	**170**
Benzo(b)fluoranthene	12	**27**	4.8 U	5 U	4.8 U	4.9 U	**4 J**	**2.6 J**	4.8 U	**35**	4.9 U	**4.9**	4.7 U	**130**
Benzo(g,h,i)perylene	590	**35 J**	4.8 U	5 U	4.8 U	4.9 U	**5.5**	5 U	4.8 U	**37**	4.9 U	**6.3**	4.7 U	**150**
Benzo(k)fluoranthene	12	**12 J**	4.8 U	5 U	4.8 U	4.9 U	5 U	5 U	4.8 U	**18**	4.9 U	4.7 U	4.7 U	**65**
Carbazole		54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U	20 U	19 U	57 U	59 U
Chrysene	6.4	**57**	4.8 U	5 U	4.8 U	4.9 U	**7.8**	**2.6 J**	4.8 U	**54**	4.9 U	**12**	4.7 U	**240**
Dibenzo(a,h)anthracene	18	**15 J**	4.8 U	4.9 U	4.8 U	4.9 U	5 U	5 U	4.8 U	**5.7**	4.9 U	**3 J**	4.7 U	**32 J**
Dibenzofuran	290	**67**	4.8 U	5 U	4.8 U	4.9 U	5 U	**2.6 J**	4.8 U	**12 J**	4.9 U	**5**	4.7 U	**13 J**
Fluoranthene	160	**110**	4.8 U	**6**	**2.8 J**	**3.8 J**	**7.8**	**19 J**	4.8 U	**130**	4.9 U	**9.6**	4.7 U	**270**
Fluorene	24	**57**	4.8 U	**4.2 J**	4.8 U	4.9 U	5 U	5 U	4.8 U	**10 J**	4.9 U	**4.1 J**	4.7 U	**19**
Indeno(1,2,3-c,d)pyrene	35	**13 J**	4.8 U	5 U	4.8 U	4.9 U	5 U	5 U	4.8 U	**24**	4.9 U	4.7 U	4.7 U	**93**
Naphthalene	120	**120**	**2.4 J**	5 U	**5.6**	4.9 U	5 U	**2.7 J**	4.8 U	**14 J**	4.9 U	**5.8**	4.7 U	**50 J**
Phenanthrene	1900	**97**	4.8 U	**12**	4.8 U	**2.4 J**	**5.6**	**12 J**	**2.6 J**	**79**	4.9 U	**20**	4.7 U	**140**
Pyrene	550	**92**	4.8 U	**3.4 J**	**3.2 J**	**2.7 J**	**10 J**	**15 J**	4.8 U	**130**	4.9 U	**10**	4.7 U	**330**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	**32.77 J**	4.8 U	5 U	4.8 U	4.9 U	**4.158 J**	**0.616 J**	4.8 U	**63.81**	4.9 U	**6.71 J**	4.7 U	**218.4 J**
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline range hydrocarbons	30	10 U	8 U	10 U	16 U	5.9 U	5.9 U	6.2 U	12 U	8 U	8.1 U	6.6 U	13 U	**30**
Diesel range hydrocarbons	2000	**64**	5.9 U	6.4 U	8.6 U	5.8 U	5.9 U	6.4 U	8.5 U	**11**	5.9 U	**6.6**	9 U	**120**
Motor oil range hydrocarbons	2000	**310**	12 U	13 U	**24**	12 U	**57**	13 U	**18**	**18**	12 U	**52**	**26**	**760**
Total Diesel and Motor Oil (U = 0)	2000	**374**	12 U	13 U	**24**	12 U	**57**	13 U	**18**	**29**	12 U	**58.6**	**26**	**880**

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-30_1312	DSIP2-30_1312	DSIP2-30_1312
	Depth	11 – 13 ft	5 – 7 ft	8 – 10 ft	1 – 3 ft	3 – 5 ft	5 – 6 ft	7 – 9 ft	1 – 3 ft	5 – 7 ft	8 – 10 ft	1.5 – 3.5 ft	4 – 6 ft	6 – 8 ft
	Sample ID	DSIP2-27-11-13	DSIP2-27-5-7	DSIP2-27-8-10	DSIP2-28-1-3	DSIP2-28-3-5	DSIP2-28-5-6	DSIP2-28-7-9	DSIP2-29-1-3	DSIP2-29-5-7	DSIP2-29-8-10	DSIP2-30-1.5-3.5	DSIP2-30-4-6	DSIP2-30-6-8
	Sample Date	11/20/2013	11/20/2013	11/20/2013	12/2/2013	12/2/2013	12/2/2013	12/2/2013	11/25/2013	11/25/2013	11/25/2013	12/3/2013	12/3/2013	12/3/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267800.30	1267800.30	1267800.30	1267985.36	1267985.36	1267985.36	1267985.36	1267967.58	1267967.58	1267967.58	1267741.83	1267741.83	1267741.83
	Y	204380.32	204380.32	204380.32	204392.42	204392.42	204392.42	204392.42	204223.52	204223.52	204223.52	204585.73	204585.73	204585.73
	Soil Screening Level													
Polycyclic Aromatic Hydrocarbons (µg/kg)														
1-Methylnaphthalene		4.8 UJ	**8.2 J**	**11 J**	**1900**	**5500**	**310**	**13 J**	**54**	**3.3 J**	5 U	**4.5 J**	4.7 U	4.8 U
2-Methylnaphthalene	720	**13 J**	**15 J**	**12 J**	28 U	**380**	**38**	4.8 U	**120**	**4.5 J**	5 U	**9**	4.7 U	4.8 U
Acenaphthene	17	4.8 U	**6.7**	**10 J**	**160**	**1200**	**37**	4.8 U	4.7 U	4.9 U	5 U	5 U	4.7 U	4.8 U
Acenaphthylene	1300	4.8 UJ	**18 J**	**2.9 J**	28 UJ	30 UJ	**16 J**	4.8 UJ	**230**	**3.6 J**	5 U	5 U	4.7 U	4.8 U
Anthracene	220	4.8 U	**14**	**20**	28 U	30 U	**5.4**	4.8 U	**66**	**3.1 J**	5 U	**2.9 J**	4.7 U	4.8 U
Benzo(a)anthracene	5	4.8 U	**71**	**16 J**	28 U	30 U	**9.8 J**	4.8 U	**200**	**4.4 J**	5 U	**7.6**	4.7 U	4.8 U
Benzo(a)pyrene	9.7	4.8 U	**84**	**11 J**	28 U	30 U	**5.9**	4.8 U	**640 J**	**4.3 J**	5 U	**6.3**	4.7 U	4.8 U
Benzo(b)fluoranthene	12	4.8 U	**58**	**7.3**	28 U	30 U	**8.7**	4.8 U	**29**	**6.3**	5 U	**6.4**	4.7 U	4.8 U
Benzo(g,h,i)perylene	590	4.8 U	**55**	**6.5**	28 U	30 U	**15 J**	4.8 U	**570 J**	**7.4**	5 U	**7**	4.7 U	4.8 U
Benzo(k)fluoranthene	12	4.8 U	**29**	**3.6 J**	28 U	30 U	**3.6 J**	4.8 U	**14**	**2.6 J**	5 U	**2.7 J**	4.7 U	4.8 U
Carbazole		19 U	20 U	19 U	130 U	240 U	20 U	19 U	19 U	59 U	20 U	20 U	18 U	19 U
Chrysene	6.4	4.8 U	**110 J**	**16 J**	**37**	**56**	**15 J**	4.8 U	**410**	**7.5**	5 U	**16 J**	4.7 U	4.8 U
Dibenzo(a,h)anthracene	18	4.8 U	**12**	**3 J**	28 U	30 U	**3.7 J**	4.8 U	**130 J**	4.9 U	5 U	**3.5 J**	4.6 U	4.7 U
Dibenzofuran	290	4.8 U	**5.1**	**6.2**	**120 J**	**330**	**28**	4.8 U	**15 J**	**4.4 J**	5 U	**4.8 J**	4.7 U	4.8 U
Fluoranthene	160	4.8 U	**130 J**	**57**	**24 J**	**39**	**50**	4.8 U	**200**	**17**	5 U	**21**	**2.6 J**	4.8 U
Fluorene	24	4.8 U	**9.9 J**	**15 J**	**510**	**1100**	**75**	**2.6 J**	**17 J**	**3.7 J**	5 U	**4.8 J**	4.7 U	4.8 U
Indeno(1,2,3-c,d)pyrene	35	4.8 U	**40**	**4.2 J**	28 U	30 U	**11 J**	4.8 U	**420**	**5.2**	5 U	**4.3 J**	4.7 U	4.8 U
Naphthalene	120	**2.5 J**	**26**	**28**	28 U	**240**	**110**	**3 J**	**120**	**88**	**86**	**12**	4.7 U	4.8 U
Phenanthrene	1900	**3.5 J**	**40**	**34**	**480**	**1100**	**65**	**3.6 J**	**68**	**16**	**3.2 J**	**19**	**2.5 J**	4.8 U
Pyrene	550	4.8 U	**160 J**	**52**	**82 J**	**170 J**	**43**	4.8 U	**660**	**20**	5 U	**30**	**2.7 J**	4.8 U
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	4.8 U	**106.1 J**	**14.57 J**	**0.37**	**0.56**	**9.73 J**	4.8 U	**723.4 J**	**6.225 J**	5 U	**8.91 J**	4.7 U	4.8 U
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline range hydrocarbons	30	13 U	5.6 U	8.2 U	**140**	**44**	**15**	10 U	5.9 U	12 U	12 U	5.3 U	6.6 U	10 U
Diesel range hydrocarbons	2000	8.6 U	**31**	7 U	**2600**	**5800**	**260**	**18**	**55**	8.8 U	8.4 U	**36**	6.1 U	6.2 U
Motor oil range hydrocarbons	2000	**21**	**120**	**16**	**100 J**	**180 J**	**28**	16 U	12 U	**21**	17 U	**91**	12 U	12 U
Total Diesel and Motor Oil (U = 0)	2000	**21**	**151**	**16**	**2700 J**	**5980 J**	**288**	**18**	**55**	**21**	17 U	**127**	12 U	12 U

Table 7-5c
Soil Results: PAHs and TPH

	Location ID	DSIP2-30_1312	DSIP2-31_1311	DSIP2-31_1311	DSIP2-31_1311	DSIP2-31_1311	DSIP2-ST-04	DSIP2-ST-04	DSIP2-UST-03	DSIP2-UST-03
	Depth	9 – 11 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	8.5 – 10 ft	5 – 7 ft	5.5 – 7 ft	3.5 – 5.5 ft	3.5 – 5.5 ft
	Sample ID	DSIP2-30-9-11	DSIP2-31-2-4	DSIP2-31-4-6	DSIP2-31-6-8	DSIP2-31-8.5-10	DSIP2-ST-04-5-7	DSIP2-ST-04-5.5-7	DSIP2-UST-03-3.5-5.5	DSIP2-UST-53-3.5-5.5
	Sample Date	12/3/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	10/17/2013	10/17/2013	10/18/2013	10/18/2013
	Sample Type	N	N	N	N	N	N	N	N	FD
	X	1267741.83	1267814.19	1267814.19	1267814.19	1267814.19	1267830.37	1267830.37	1267578.26	1267578.26
	Y	204585.73	204503.36	204503.36	204503.36	204503.36	204353.91	204353.91	204590.12	204590.12
	Soil Screening Level									
Polycyclic Aromatic Hydrocarbons (µg/kg)										
1-Methylnaphthalene		**12 J**	**17 J**	**2.9 J**	**30**	4.8 U	**170**	**190**	4.9 U	5 U
2-Methylnaphthalene	720	**47**	**27**	**9.5 J**	**26**	**54**	**260**	**360**	4.9 U	5 U
Acenaphthene	17	**8.1**	4.6 U	4.7 U	**10 J**	4.8 U	**120**	**67**	4.9 U	5 U
Acenaphthylene	1300	**9.5**	**13 J**	4.7 U	**3.8 J**	4.8 U	**400**	**1200**	4.9 U	5 U
Anthracene	220	**19 J**	**14 J**	**4.9**	**16 J**	4.8 U	**280**	**420**	4.9 U	5 U
Benzo(a)anthracene	5	**22**	**44**	**14 J**	**17 J**	4.8 U	**1200 J**	**1500**	4.9 U	5 U
Benzo(a)pyrene	9.7	**20**	**56 J**	**16 J**	**7.1**	4.8 U	**1300 J**	**3200**	4.9 U	5 U
Benzo(b)fluoranthene	12	**15**	**42**	**9.6**	**8.4**	4.8 U	**940 J**	**1500**	4.9 U	5 U
Benzo(g,h,i)perylene	590	**30**	**72 J**	**10 J**	**13 J**	4.8 U	**980 J**	**2700**	4.9 U	5 U
Benzo(k)fluoranthene	12	**5.6**	**20**	**5.3**	**3.4 J**	4.8 U	**420 J**	**770**	4.9 U	5 U
Carbazole		20 U	18 U	19 U	19 U	19 U	**40**	**66**	20 U	20 U
Chrysene	6.4	**29**	**68**	**19**	**16 J**	**2.6 J**	**1600**	**2600**	4.9 U	5 U
Dibenzo(a,h)anthracene	18	**8 J**	**20 J**	**3 J**	**3.1 J**	4.8 U	**160**	**490**	4.9 U	5 U
Dibenzofuran	290	**13**	**13 J**	**3.3 J**	**20**	4.8 U	**120**	**110**	4.9 U	5 U
Fluoranthene	160	**94**	**100**	**28**	**73**	**4.2 J**	**1600**	**1500**	4.9 U	5 U
Fluorene	24	**18 J**	4.6 U	**2.5 J**	**17 J**	4.8 U	**190**	**160**	4.9 U	5 U
Indeno(1,2,3-c,d)pyrene	35	**20**	**52**	**5.4**	**5.1**	4.8 U	**700 J**	**1800**	4.9 U	5 U
Naphthalene	120	**50**	**42**	**28**	**31**	**19**	**540**	**710**	4.9 U	5 U
Phenanthrene	1900	**66**	**94**	**28**	**45**	**4.6 J**	**720**	**440**	4.9 U	5 U
Pyrene	550	**83**	**110**	**31**	**55**	**3.8 J**	**3200**	**4300**	4.9 U	5 U
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	19	**27.35 J**	**74.48 J**	**19.92 J**	**10.96 J**	**0.026 J**	**1658 J**	**3832**	4.9 U	5 U
Total Petroleum Hydrocarbons (mg/kg)										
Gasoline range hydrocarbons	30	21 U	6.1 U	5.1 U	7.5 U	8.7 U	**36**	7.6 U	11 U	7.5 U
Diesel range hydrocarbons	2000	**9**	**31**	6 U	6.9 U	9 U	**120**	**120**	6 U	6 U
Motor oil range hydrocarbons	2000	**26**	**88**	**12**	14 U	18 U	**240**	**150**	12 U	12 U
Total Diesel and Motor Oil (U = 0)	2000	**35**	**119**	**12**	14 U	18 U	**360**	**270**	12 U	12 U

Table 7-5c
Soil Results: PAHs and TPH

Notes:
Detected concentration is greater than the soil screening level
Non-detected concentration is aboveteh soil screening level
Bold = Detected result
-- = not analyzed
µg/kg = micrograms per kilogram
cPAH = carcinogenic polycyclic aromatic hydrocarbon
FD = field duplicate
ft = foot
J = estimated value
mg/kg = milligrams per kilogram
N = normal sample
TEQ = Toxics Equivalents Quotient
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit

Table 7-5d
Soil Results: SVOCs

	Location ID	DSI-GP-12	DSI-GP-12	DSI-GP-13	DSI-GP-13	DSI-GP-14	DSI-GP-14	DSI-GP-15	DSI-GP-15	DSI-GP-16	DSI-GP-16
	Depth	1 – 3.5 ft	5 – 10 ft	1 – 3.5 ft	5 – 7.3 ft	2.5 – 4.5 ft	5 – 7 ft	1.5 – 4 ft	6 – 8 ft	2.1 – 4.5 ft	7.5 – 10 ft
	Sample ID	DSI-GP-12-1-3.5	DSI-GP-12-5-10	DSI-GP-13-1-3.5	DSI-GP-13-5-7.3	DSI-GP-14-2.5-4.5	DSI-GP-14-5-7	DSI-GP-15-1.5-4	DSI-GP-15-6-8	DSI-GP-16-2.1-4.5	DSI-GP-16-7.5-10
	Sample Date	7/14/2009	7/14/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267998.94	1267998.94	1267988.72	1267988.72	1267995.40	1267995.40	1267993.21	1267993.21	1268022.76	1268022.76
	Y	204597.25	204597.25	204516.84	204516.84	204444.88	204444.88	204385.91	204385.91	204368.45	204368.45
	Soil Screening Level										
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene	5	12 U	19 U	33 U	80 U	30 U	58 U	160 U	77 U	20 U	19 U
1,2-Dichlorobenzene	3.7	12 U	19 U	33 U	80 U	30 U	58 U	160 U	77 U	20 U	19 U
1,3-Dichlorobenzene		--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	4.3	12 U	19 U	33 U	80 U	30 U	58 U	160 U	77 U	20 U	19 U
2,2'-Oxybis (1-chloropropane)		--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	1100	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	100	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	200	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	20	12 UJ	19 UJ	35 U	80 U	31 U	58 U	160 U	77 U	20 U	19 U
2,4-Dinitrophenol	850	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	100	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene		--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	20	--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	10	12 U	19 U	33 U	80 U	30 U	58 U	160 U	77 U	20 U	19 U
2-Nitroaniline		--	--	--	--	--	--	--	--	--	--
2-Nitrophenol		--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	150	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol		--	--	--	--	--	--	--	--	--	--
4-Chloroaniline		--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	270	12 U	19 U	33 U	80 U	30 U	58 U	160 U	77 U	20 U	19 U
4-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Nitrophenol		--	--	--	--	--	--	--	--	--	--
Benzoic acid	400	120 U	190 U	330 U	800 U	300 U	580 U	1600 U	770 U	200 U	190 U
Benzyl alcohol	57	12 U	19 U	33 U	80 U	30 U	58 U	160 U	77 U	20 U	19 U
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	20	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	330	**24**	19 U	**22 J**	80 U	**56**	**38 J**	160 U	77 U	20 U	**16 J**
Butylbenzyl phthalate	14	12 U	19 U	33 U	80 U	30 U	58 U	160 U	77 U	20 U	19 U
Diethyl phthalate	74	12 U	19 U	33 U	80 U	30 U	58 U	160 U	77 U	20 U	**19 J**
Dimethyl phthalate	1000	12 U	19 U	33 U	80 U	30 U	58 U	160 U	77 U	20 U	19 U
Di-n-butyl phthalate	20	**15**	19 U	33 U	80 U	30 U	58 U	160 U	77 U	20 U	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	1100	12 U	19 U	33 U	80 U	30 U	58 U	160 U	77 U	20 U	19 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSI-GP-12	DSI-GP-12	DSI-GP-13	DSI-GP-13	DSI-GP-14	DSI-GP-14	DSI-GP-15	DSI-GP-15	DSI-GP-16	DSI-GP-16
	Depth	1 – 3.5 ft	5 – 10 ft	1 – 3.5 ft	5 – 7.3 ft	2.5 – 4.5 ft	5 – 7 ft	1.5 – 4 ft	6 – 8 ft	2.1 – 4.5 ft	7.5 – 10 ft
	Sample ID	DSI-GP-12-1-3.5	DSI-GP-12-5-10	DSI-GP-13-1-3.5	DSI-GP-13-5-7.3	DSI-GP-14-2.5-4.5	DSI-GP-14-5-7	DSI-GP-15-1.5-4	DSI-GP-15-6-8	DSI-GP-16-2.1-4.5	DSI-GP-16-7.5-10
	Sample Date	7/14/2009	7/14/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009	7/13/2009
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267998.94	1267998.94	1267988.72	1267988.72	1267995.40	1267995.40	1267993.21	1267993.21	1268022.76	1268022.76
	Y	204597.25	204597.25	204516.84	204516.84	204444.88	204444.88	204385.91	204385.91	204368.45	204368.45
	Soil Screening Level										
Hexachlorobenzene	7.2	**300**	19 U	33 U	80 U	30 U	58 U	160 U	77 U	20 U	19 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	12 U	19 U	33 U	80 U	30 U	58 U	160 U	77 U	20 U	19 U
Hexachlorocyclopentadiene	1000	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	20	12 U	19 U	33 U	80 U	30 U	58 U	160 U	77 U	20 U	19 U
Isophorone	37	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	41	--	--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine	12	--	--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine	20	12 UJ	19 UJ	440 UJ	97 UJ	190 UJ	670 UJ	1800 UJ	880 UJ	20 UJ	19 UJ
Pentachlorophenol	50	62 UJ	96 UJ	160 U	400 U	150 U	290 U	810 U	380 U	98 U	97 U
Phenol	120	12 U	19 U	33 U	80 U	30 U	58 U	160 U	77 U	20 U	19 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSI-GP-17	DSI-GP-17	DSI-GP-19	DSI-GP-19	DSI-GP-19	DSI-GP-20	DSI-GP-20	DSI-GP-21	DSI-GP-21	DSI-MW-05
	Depth	1.5 – 4 ft	5 – 7.5 ft	3 – 5 ft	5.5 – 8 ft	5.5 – 8 ft	3 – 5 ft	5.5 – 8 ft	2 – 4.5 ft	5.5 – 8 ft	0.5 – 3 ft
	Sample ID	DSI-GP-17-1.5-4	DSI-GP-17-5-7.5	DSI-GP-19-3-5	DSI-GP-19-5.5-8	DSI-GP-69-5.5-8	DSI-GP-20-3-5	DSI-GP-20-5.5-8	DSI-GP-21-2-4.5	DSI-GP-21-5.5-8	DSI-MW-05-0.5-3.0
	Sample Date	7/13/2009	7/13/2009	7/16/2009	7/16/2009	7/16/2009	7/15/2009	7/15/2009	7/16/2009	7/16/2009	7/14/2009
	Sample Type	N	N	N	N	FD	N	N	N	N	N
	X	1267974.89	1267974.89	1267668.90	1267668.90	1267668.90	1267785.57	1267785.57	1267891.80	1267891.80	1267969.75
	Y	204304.04	204304.04	204346.90	204346.90	204346.90	204370.10	204370.10	204378.83	204378.83	204575.21
	Soil Screening Level										
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene	5	20 U	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	19 U
1,2-Dichlorobenzene	3.7	20 U	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	19 U
1,3-Dichlorobenzene		--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	4.3	20 U	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	19 U
2,2'-Oxybis (1-chloropropane)		--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	1100	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	100	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	200	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	20	20 U	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	19 UJ
2,4-Dinitrophenol	850	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	100	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene		--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	20	--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	10	20 U	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	19 UJ
2-Nitroaniline		--	--	--	--	--	--	--	--	--	--
2-Nitrophenol		--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	150	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol		--	--	--	--	--	--	--	--	--	--
4-Chloroaniline		--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	270	**16 J**	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	19 UJ
4-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Nitrophenol		--	--	--	--	--	--	--	--	--	--
Benzoic acid	400	200 U	190 U	200 U	200 U	190 U	200 UJ	200 UJ	190 U	200 U	190 UJ
Benzyl alcohol	57	20 U	19 U	20 U	20 U	19 U	20 U	20 UJ	19 U	20 U	19 UJ
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	20	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	330	20 U	19 U	20 U	**14 J**	**14 J**	20 U	**21**	**2600**	**280**	19 U
Butylbenzyl phthalate	14	20 U	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	19 U
Diethyl phthalate	74	**27**	19 U	20 U	20 U	19 U	20 U	20 U	**19**	20 U	19 U
Dimethyl phthalate	1000	20 U	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	19 U
Di-n-butyl phthalate	20	20 U	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	1100	20 U	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	19 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSI-GP-17	DSI-GP-17	DSI-GP-19	DSI-GP-19	DSI-GP-19	DSI-GP-20	DSI-GP-20	DSI-GP-21	DSI-GP-21	DSI-MW-05
	Depth	1.5 – 4 ft	5 – 7.5 ft	3 – 5 ft	5.5 – 8 ft	5.5 – 8 ft	3 – 5 ft	5.5 – 8 ft	2 – 4.5 ft	5.5 – 8 ft	0.5 – 3 ft
	Sample ID	DSI-GP-17-1.5-4	DSI-GP-17-5-7.5	DSI-GP-19-3-5	DSI-GP-19-5.5-8	DSI-GP-69-5.5-8	DSI-GP-20-3-5	DSI-GP-20-5.5-8	DSI-GP-21-2-4.5	DSI-GP-21-5.5-8	DSI-MW-05-0.5-3.0
	Sample Date	7/13/2009	7/13/2009	7/16/2009	7/16/2009	7/16/2009	7/15/2009	7/15/2009	7/16/2009	7/16/2009	7/14/2009
	Sample Type	N	N	N	N	FD	N	N	N	N	N
	X	1267974.89	1267974.89	1267668.90	1267668.90	1267668.90	1267785.57	1267785.57	1267891.80	1267891.80	1267969.75
	Y	204304.04	204304.04	204346.90	204346.90	204346.90	204370.10	204370.10	204378.83	204378.83	204575.21
	Soil Screening Level										
Hexachlorobenzene	7.2	20 U	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	19 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	20 U	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	19 U
Hexachlorocyclopentadiene	1000	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	20	20 UJ	19 U	20 U	20 U	19 U	20 U	20 UJ	19 U	20 U	19 UJ
Isophorone	37	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	41	--	--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine	12	--	--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine	20	20 UJ	19 UJ	20 U	20 U	19 U	20 UJ	20 UJ	19 U	34 U	19 UJ
Pentachlorophenol	50	99 U	97 U	98 U	99 U	96 U	97 UJ	98 UJ	96 U	98 U	97 UJ
Phenol	120	20 U	19 U	20 U	20 U	19 U	20 U	20 U	**49**	**17 J**	19 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSI-MW-05	DSI-MW-06	DSI-MW-06	DSI-MW-08	DSI-MW-08	DSI-MW-10	DSI-MW-10	DSIP2-01_1311	DSIP2-01_1311	DSIP2-01_1311
	Depth	5 – 8 ft	0.5 – 3.5 ft	5 – 8 ft	0.5 – 2 ft	5 – 8 ft	0.5 – 3.5 ft	5 – 8 ft	2.5 – 4.5 ft	5 – 7 ft	7 – 9 ft
	Sample ID	DSI-MW-05-5-8	DSI-MW-06-0.5-3.5	DSI-MW-06-5-8	DSI-MW-08-0.5-2	DSI-MW-08-5-8	DSI-MW-10-0.5-3.5	DSI-MW-10-5-8	DSIP2-01-2.5-4.5	DSIP2-01-5-7	DSIP2-01-7-9
	Sample Date	7/14/2009	7/15/2009	7/15/2009	7/15/2009	7/15/2009	7/14/2009	7/14/2009	11/22/2013	11/22/2013	11/22/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267969.75	1267953.29	1267953.29	1267967.62	1267967.62	1267964.60	1267964.60	1267569.74	1267569.74	1267569.74
	Y	204575.21	204456.31	204456.31	204366.34	204366.34	204275.46	204275.46	204573.92	204573.92	204573.92
	Soil Screening Level										
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene	5	19 U	19 U	19 U	56 U	19 U	81 U	59 U	--	4.7 U	--
1,2-Dichlorobenzene	3.7	19 U	19 U	19 U	56 U	19 U	81 U	59 U	--	--	--
1,3-Dichlorobenzene		--	--	--	--	--	--	--	1.4 U	1.3 U	0.9 U
1,4-Dichlorobenzene	4.3	19 U	19 U	19 U	56 U	19 U	81 U	59 U	--	--	--
2,2'-Oxybis (1-chloropropane)		--	--	--	--	--	--	--	98 U	19 U	19 U
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	98 U	19 U	19 U
2,4,5-Trichlorophenol	1100	--	--	--	--	--	--	--	490 U	94 U	97 U
2,4,6-Trichlorophenol	100	--	--	--	--	--	--	--	490 U	94 U	97 U
2,4-Dichlorophenol	200	--	--	--	--	--	--	--	490 U	94 U	97 U
2,4-Dimethylphenol	20	19 UJ	19 U	19 U	56 U	19 U	81 UJ	59 UJ	120 U	24 U	24 U
2,4-Dinitrophenol	850	--	--	--	--	--	--	--	980 U	190 U	190 U
2,4-Dinitrotoluene	100	--	--	--	--	--	--	--	490 U	94 U	97 U
2,6-Dinitrotoluene		--	--	--	--	--	--	--	490 U	94 U	97 U
2-Chloronaphthalene		--	--	--	--	--	--	--	98 U	19 U	19 U
2-Chlorophenol	20	--	--	--	--	--	--	--	98 U	19 U	19 U
2-Methylphenol (o-Cresol)	10	19 U	19 U	19 U	56 U	19 U	81 U	59 U	25 U	4.7 U	4.8 U
2-Nitroaniline		--	--	--	--	--	--	--	490 U	94 U	97 U
2-Nitrophenol		--	--	--	--	--	--	--	98 U	19 U	19 U
3,3'-Dichlorobenzidine	150	--	--	--	--	--	--	--	490 UJ	94 UJ	97 UJ
3-Nitroaniline		--	--	--	--	--	--	--	490 U	94 U	97 U
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	98 U	19 U	19 U
4-Chloro-3-methylphenol		--	--	--	--	--	--	--	490 U	94 U	97 U
4-Chloroaniline		--	--	--	--	--	--	--	490 U	94 U	97 U
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	98 U	19 U	19 U
4-Methylphenol (p-Cresol)	270	19 U	19 U	19 U	56 U	19 U	81 U	59 U	25 U	4.7 U	4.8 U
4-Nitroaniline		--	--	--	--	--	--	--	490 U	94 U	97 U
4-Nitrophenol		--	--	--	--	--	--	--	490 U	94 U	97 U
Benzoic acid	400	190 U	190 UJ	190 UJ	560 UJ	190 UJ	810 U	590 U	980 U	190 U	190 U
Benzyl alcohol	57	19 U	19 U	19 U	56 U	19 U	81 U	59 U	98 U	19 U	19 UJ
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	98 U	19 U	19 U
bis(2-Chloroethyl)ether	20	--	--	--	--	--	--	--	98 U	19 U	19 U
bis(2-Ethylhexyl)phthalate	330	19 U	19 U	19 U	56 U	19 U	81 U	59 U	250 U	47 U	48 U
Butylbenzyl phthalate	14	19 U	19 U	19 U	56 U	19 U	81 U	59 U	25 U	4.7 U	4.8 U
Diethyl phthalate	74	19 U	19 U	19 U	56 U	19 U	81 U	59 U	98 U	28 U	19 U
Dimethyl phthalate	1000	19 U	19 U	19 U	56 U	19 U	81 U	59 U	25 U	4.7 U	4.8 U
Di-n-butyl phthalate	20	19 U	19 U	19 U	56 U	19 U	81 U	59 U	98 U	19 U	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	980 U	190 U	190 U
Di-n-octyl phthalate	1100	19 U	19 U	19 U	56 U	19 U	81 U	59 U	98 U	19 U	19 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSI-MW-05	DSI-MW-06	DSI-MW-06	DSI-MW-08	DSI-MW-08	DSI-MW-10	DSI-MW-10	DSIP2-01_1311	DSIP2-01_1311	DSIP2-01_1311
	Depth	5 – 8 ft	0.5 – 3.5 ft	5 – 8 ft	0.5 – 2 ft	5 – 8 ft	0.5 – 3.5 ft	5 – 8 ft	2.5 – 4.5 ft	5 – 7 ft	7 – 9 ft
	Sample ID	DSI-MW-05-5-8	DSI-MW-06-0.5-3.5	DSI-MW-06-5-8	DSI-MW-08-0.5-2	DSI-MW-08-5-8	DSI-MW-10-0.5-3.5	DSI-MW-10-5-8	DSIP2-01-2.5-4.5	DSIP2-01-5-7	DSIP2-01-7-9
	Sample Date	7/14/2009	7/15/2009	7/15/2009	7/15/2009	7/15/2009	7/14/2009	7/14/2009	11/22/2013	11/22/2013	11/22/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267969.75	1267953.29	1267953.29	1267967.62	1267967.62	1267964.60	1267964.60	1267569.74	1267569.74	1267569.74
	Y	204575.21	204456.31	204456.31	204366.34	204366.34	204275.46	204275.46	204573.92	204573.92	204573.92
	Soil Screening Level										
Hexachlorobenzene	7.2	19 U	19 U	19 U	56 U	19 U	81 U	59 U	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	19 U	19 U	19 U	56 U	19 U	81 U	59 U	--	--	--
Hexachlorocyclopentadiene	1000	--	--	--	--	--	--	--	490 U	94 U	97 U
Hexachloroethane	20	19 U	19 U	19 U	56 U	19 U	81 U	59 U	98 U	19 U	19 U
Isophorone	37	--	--	--	--	--	--	--	98 U	19 U	19 U
Nitrobenzene	41	--	--	--	--	--	--	--	98 U	19 U	19 U
n-Nitrosodi-n-propylamine	12	--	--	--	--	--	--	--	98 U	19 U	19 U
n-Nitrosodiphenylamine	20	19 UJ	19 UJ	19 UJ	56 UJ	19 UJ	81 UJ	59 UJ	25 U	4.7 U	4.8 U
Pentachlorophenol	50	97 UJ	95 UJ	96 UJ	280 UJ	96 UJ	400 UJ	290 UJ	98 U	19 U	19 U
Phenol	120	19 U	19 U	19 U	56 U	19 U	81 U	59 U	25 U	7.9 U	8.7 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-01_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312
	Depth	9.5 – 11.5 ft	11 – 13 ft	2 – 4 ft	5 – 7 ft	8 – 10 ft	10.5 – 12.5 ft	2 – 4 ft	2 – 4 ft	5 – 7 ft	7.5 – 9.5 ft
	Sample ID	DSIP2-01-9.5-11.5	DSIP2-02-11-13	DSIP2-02-2-4	DSIP2-02-5-7	DSIP2-02-8-10	DSIP2-03-10.5-12.5	DSIP2-03-2-4	DSIP2-53-2-4	DSIP2-03-5-7	DSIP2-03-7.5-9.5
	Sample Date	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013
	Sample Type	N	N	N	N	N	N	N	FD	N	N
	X	1267569.74	1267562.38	1267562.38	1267562.38	1267562.38	1267719.57	1267719.57	1267719.57	1267719.57	1267719.57
	Y	204573.92	204456.85	204456.85	204456.85	204456.85	204356.99	204356.99	204356.99	204356.99	204356.99
	Soil Screening Level										
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene	5	4.8 U	4.8 U	4.5 U	4.9 U	4.7 U	4.7 U	4.6 U	4.7 U	4.6 U	4.7 U
1,2-Dichlorobenzene	3.7	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene		1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U	1.1 U
1,4-Dichlorobenzene	4.3	--	--	--	--	--	--	--	--	--	--
2,2'-Oxybis (1-chloropropane)		19 U	19 U	18 U	20 U	19 U	19 U	18 U	19 U	18 U	19 U
2,3,4,6-Tetrachlorophenol		19 U	19 U	18 U	20 U	19 U	19 U	18 U	19 U	18 U	19 U
2,4,5-Trichlorophenol	1100	97 U	95 U	91 U	98 U	94 U	95 U	92 U	94 U	92 U	95 U
2,4,6-Trichlorophenol	100	97 U	95 U	91 U	98 U	94 U	95 U	92 U	94 U	92 U	95 U
2,4-Dichlorophenol	200	97 U	95 U	91 U	98 U	94 U	95 U	92 U	94 U	92 U	95 U
2,4-Dimethylphenol	20	24 U	**28**	23 U	25 U	**27**	24 U	23 UJ	23 U	23 U	24 U
2,4-Dinitrophenol	850	190 U	190 U	180 U	200 U	190 U	190 U	180 U	190 U	180 U	190 U
2,4-Dinitrotoluene	100	97 U	95 U	91 U	98 U	94 U	95 U	92 U	94 U	92 U	95 U
2,6-Dinitrotoluene		97 U	95 U	91 U	98 U	94 U	95 U	92 U	94 U	92 U	95 U
2-Chloronaphthalene		19 U	19 U	18 U	20 U	19 U	19 U	18 U	19 U	18 U	19 U
2-Chlorophenol	20	19 U	19 U	18 U	20 U	19 U	19 U	18 U	19 U	18 U	19 U
2-Methylphenol (o-Cresol)	10	4.8 U	**7**	4.5 U	4.9 U	**28**	**11**	4.6 UJ	4.7 U	4.6 U	4.7 U
2-Nitroaniline		97 U	95 U	91 U	98 U	94 U	95 U	92 U	94 U	92 U	95 U
2-Nitrophenol		19 U	19 U	18 U	20 U	19 U	19 U	18 U	19 U	18 U	19 U
3,3'-Dichlorobenzidine	150	97 UJ	95 UJ	91 UJ	98 UJ	94 UJ	95 UJ	92 UJ	94 UJ	92 UJ	95 UJ
3-Nitroaniline		97 U	95 U	91 U	98 U	94 U	95 U	92 UJ	94 U	92 U	95 U
4-Bromophenyl-phenyl ether		19 U	19 U	18 U	20 U	19 U	19 U	18 U	19 U	18 U	19 U
4-Chloro-3-methylphenol		97 U	95 U	91 U	98 U	94 U	95 U	92 U	94 U	92 U	95 U
4-Chloroaniline		97 U	95 U	91 U	98 UJ	94 U	95 UJ	92 UJ	94 UJ	92 UJ	95 UJ
4-Chlorophenyl phenyl ether		19 U	19 U	18 U	20 U	19 U	19 U	18 U	19 U	18 U	19 U
4-Methylphenol (p-Cresol)	270	**18**	**32**	**11**	**6**	**92**	**43**	**10**	**6.6**	4.6 U	**4.6 J**
4-Nitroaniline		97 U	95 U	91 U	98 U	94 U	95 U	92 U	94 U	92 U	95 U
4-Nitrophenol		97 U	95 U	91 U	98 U	94 U	95 U	92 U	94 U	92 U	95 U
Benzoic acid	400	**150 J**	**980**	180 U	200 U	190 U	**840**	180 U	190 U	180 U	190 U
Benzyl alcohol	57	19 UJ	**60 J**	18 UJ	20 UJ	19 UJ	19 U	18 U	19 U	18 U	19 U
bis(2-Chloroethoxy)methane		19 U	19 U	18 U	20 U	19 U	19 U	18 U	19 U	18 U	19 U
bis(2-Chloroethyl)ether	20	19 U	19 U	18 U	20 U	19 U	19 U	18 U	19 U	18 U	19 U
bis(2-Ethylhexyl)phthalate	330	48 U	48 U	45 U	49 U	47 U	47 U	46 U	47 U	46 U	47 U
Butylbenzyl phthalate	14	4.8 U	4.8 U	4.5 U	4.9 U	4.7 U	**12 J**	**3.3 J**	4.7 U	4.6 U	4.7 U
Diethyl phthalate	74	42 U	19 U	18 U	20 U	19 U	21 U	23 U	19 U	18 U	21 U
Dimethyl phthalate	1000	4.8 U	4.8 U	4.5 U	**3.4 J**	4.7 U	4.7 U	4.6 U	4.7 U	4.6 U	4.7 U
Di-n-butyl phthalate	20	19 U	19 U	18 U	20 U	19 U	19 U	18 U	19 U	18 U	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		190 U	190 U	180 U	200 U	190 U	190 U	180 U	190 U	180 U	190 U
Di-n-octyl phthalate	1100	19 U	19 U	18 U	20 U	19 U	19 U	18 U	19 U	18 U	19 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-01_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312
	Depth	9.5 – 11.5 ft	11 – 13 ft	2 – 4 ft	5 – 7 ft	8 – 10 ft	10.5 – 12.5 ft	2 – 4 ft	2 – 4 ft	5 – 7 ft	7.5 – 9.5 ft
	Sample ID	DSIP2-01-9.5-11.5	DSIP2-02-11-13	DSIP2-02-2-4	DSIP2-02-5-7	DSIP2-02-8-10	DSIP2-03-10.5-12.5	DSIP2-03-2-4	DSIP2-53-2-4	DSIP2-03-5-7	DSIP2-03-7.5-9.5
	Sample Date	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013
	Sample Type	N	N	N	N	N	N	N	FD	N	N
	X	1267569.74	1267562.38	1267562.38	1267562.38	1267562.38	1267719.57	1267719.57	1267719.57	1267719.57	1267719.57
	Y	204573.92	204456.85	204456.85	204456.85	204456.85	204356.99	204356.99	204356.99	204356.99	204356.99
	Soil Screening Level										
Hexachlorobenzene	7.2	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	1000	97 U	95 U	91 U	98 U	94 U	95 U	92 U	94 U	92 U	95 U
Hexachloroethane	20	19 U	19 U	18 U	20 U	19 U	19 U	18 U	19 U	18 U	19 U
Isophorone	37	19 U	19 U	18 U	20 U	19 U	19 U	18 U	19 U	18 U	19 U
Nitrobenzene	41	19 U	19 U	18 U	20 U	19 U	19 U	18 U	19 U	18 U	19 U
n-Nitrosodi-n-propylamine	12	19 U	19 U	18 U	20 U	19 U	19 U	18 U	19 U	18 U	19 U
n-Nitrosodiphenylamine	20	4.8 U	4.8 U	4.5 U	4.9 U	4.7 U	4.7 U	4.6 U	4.7 U	4.6 U	4.7 U
Pentachlorophenol	50	19 U	19 U	**46**	20 U	19 U	19 UJ	**50 J**	**37 J**	18 UJ	**44 J**
Phenol	120	**38**	**260**	**14 J**	20 U	**90**	**550**	**13 J**	11 U	9.9 U	**13 J**

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-04_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-05_1311	DSIP2-05_1311	DSIP2-05_1311	DSIP2-05_1311	DSIP2-06_1311	DSIP2-06_1311
	Depth	11 – 12.5 ft	2 – 4 ft	5.5 – 7 ft	8 – 9.5 ft	1.5 – 3.5 ft	11 – 13 ft	4 – 6 ft	8 – 10 ft	2 – 4 ft	4 – 6 ft
	Sample ID	DSIP2-04-11-12.5	DSIP2-04-2-4	DSIP2-04-5.5-7	DSIP2-04-8-9.5	DSIP2-05-1.5-3.5	DSIP2-05-11-13	DSIP2-05-4-6	DSIP2-05-8-10	DSIP2-06-2-4	DSIP2-06-4-6
	Sample Date	12/4/2013	12/4/2013	12/4/2013	12/4/2013	11/20/2013	11/20/2013	11/20/2013	11/20/2013	11/25/2013	11/25/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267759.22	1267759.22	1267759.22	1267759.22	1267858.93	1267858.93	1267858.93	1267858.93	1267821.70	1267821.70
	Y	204362.24	204362.24	204362.24	204362.24	204370.83	204370.83	204370.83	204370.83	204456.60	204456.60
	Soil Screening Level										
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene	5	4.8 U	4.9 U	--	4.8 U	5.8 U	4.8 U	4.6 U	4.8 U	--	14 U
1,2-Dichlorobenzene	3.7	--	--	--	--	--	--	--	--	--	14 U
1,3-Dichlorobenzene		2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U	14 U
1,4-Dichlorobenzene	4.3	--	--	--	--	--	--	--	--	--	14 U
2,2'-Oxybis (1-chloropropane)		19 U	20 U	20 U	19 U	23 U	19 U	19 U	19 U	96 U	57 U
2,3,4,6-Tetrachlorophenol		19 U	20 U	20 U	**14 J**	23 U	19 U	19 U	19 U	96 U	57 U
2,4,5-Trichlorophenol	1100	95 U	98 U	100 U	96 U	120 U	95 U	93 U	96 U	480 U	290 U
2,4,6-Trichlorophenol	100	95 U	98 U	100 U	96 U	120 U	95 U	93 U	96 U	480 U	290 U
2,4-Dichlorophenol	200	95 U	98 U	100 U	96 U	120 U	95 U	93 U	96 U	480 U	290 U
2,4-Dimethylphenol	20	24 U	25 U	25 U	24 U	**92 J**	24 U	23 U	24 U	72 U	72 U
2,4-Dinitrophenol	850	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U	960 U	570 U
2,4-Dinitrotoluene	100	95 U	98 U	100 U	96 U	120 U	95 U	93 U	96 U	480 U	290 U
2,6-Dinitrotoluene		95 U	98 U	100 U	96 U	120 U	95 U	93 U	96 U	480 U	290 U
2-Chloronaphthalene		19 U	20 U	20 U	19 U	23 U	19 U	19 U	19 U	96 U	57 U
2-Chlorophenol	20	19 U	20 U	20 U	19 U	23 U	19 U	19 U	19 U	96 U	57 U
2-Methylphenol (o-Cresol)	10	**7.9**	4.9 U	5 U	4.8 U	**6.7**	**4.9**	4.6 U	4.8 U	14 U	14 U
2-Nitroaniline		95 U	98 U	100 U	96 U	120 U	95 U	93 U	96 U	480 U	290 U
2-Nitrophenol		19 U	20 U	20 U	19 U	23 U	19 U	19 U	19 U	96 U	57 U
3,3'-Dichlorobenzidine	150	95 UJ	98 UJ	100 UJ	96 UJ	120 UJ	95 UJ	93 UJ	96 UJ	480 UJ	290 UJ
3-Nitroaniline		95 U	98 U	100 U	96 U	120 U	95 U	93 U	96 U	480 U	290 U
4-Bromophenyl-phenyl ether		19 U	20 U	20 U	19 U	23 U	19 U	19 U	19 U	96 U	57 U
4-Chloro-3-methylphenol		95 U	98 U	100 U	96 U	120 U	95 U	93 U	96 U	480 U	290 U
4-Chloroaniline		95 UJ	98 UJ	100 UJ	96 UJ	120 UJ	95 UJ	93 UJ	96 UJ	480 U	290 U
4-Chlorophenyl phenyl ether		19 U	20 U	20 U	19 U	23 U	19 U	19 U	19 U	96 U	57 U
4-Methylphenol (p-Cresol)	270	**32**	**4.3 J**	5 U	**4.2 J**	**45**	**28**	4.6 U	**5.2**	14 U	**10 J**
4-Nitroaniline		95 U	98 U	100 U	96 U	120 U	95 U	93 U	96 U	480 U	290 U
4-Nitrophenol		95 U	98 U	100 U	96 U	120 U	95 U	93 U	96 U	480 U	290 U
Benzoic acid	400	**690**	200 U	200 U	190 U	230 U	**380**	190 U	190 U	960 U	570 U
Benzyl alcohol	57	19 U	20 U	20 U	19 U	23 U	**60**	**14 J**	19 U	57 U	57 U
bis(2-Chloroethoxy)methane		19 U	20 U	20 U	19 U	23 U	19 U	19 U	19 U	96 U	57 U
bis(2-Chloroethyl)ether	20	19 U	20 U	20 U	19 U	23 U	19 U	19 U	19 U	96 U	57 U
bis(2-Ethylhexyl)phthalate	330	48 U	**42 J**	**34 J**	48 U	**190**	48 U	46 U	48 U	240 U	140 U
Butylbenzyl phthalate	14	4.8 U	**19 J**	5 U	4.8 U	**21 J**	4.8 U	4.6 U	4.8 U	14 U	14 U
Diethyl phthalate	74	19 U	24 U	23 U	19 U	**48**	19 U	**34**	**20**	57 U	57 U
Dimethyl phthalate	1000	4.8 U	4.9 U	5 U	4.8 U	**90**	4.8 U	4.6 U	4.8 U	14 U	14 U
Di-n-butyl phthalate	20	19 U	20 U	20 U	19 U	23 U	19 U	19 U	19 U	96 U	57 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		190 U	200 U	200 U	190 U	230 UJ	190 UJ	190 UJ	190 UJ	960 U	570 U
Di-n-octyl phthalate	1100	19 U	20 U	20 U	19 U	**43**	19 U	19 U	19 U	96 U	57 U

Table 7-5d
Soil Results: SVOCs

		Location ID	DSIP2-04_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-05_1311	DSIP2-05_1311	DSIP2-05_1311	DSIP2-05_1311	DSIP2-06_1311	DSIP2-06_1311
		Depth	11 – 12.5 ft	2 – 4 ft	5.5 – 7 ft	8 – 9.5 ft	1.5 – 3.5 ft	11 – 13 ft	4 – 6 ft	8 – 10 ft	2 – 4 ft	4 – 6 ft
		Sample ID	DSIP2-04-11-12.5	DSIP2-04-2-4	DSIP2-04-5.5-7	DSIP2-04-8-9.5	DSIP2-05-1.5-3.5	DSIP2-05-11-13	DSIP2-05-4-6	DSIP2-05-8-10	DSIP2-06-2-4	DSIP2-06-4-6
		Sample Date	12/4/2013	12/4/2013	12/4/2013	12/4/2013	11/20/2013	11/20/2013	11/20/2013	11/20/2013	11/25/2013	11/25/2013
		Sample Type	N	N	N	N	N	N	N	N	N	N
		X	1267759.22	1267759.22	1267759.22	1267759.22	1267858.93	1267858.93	1267858.93	1267858.93	1267821.70	1267821.70
		Y	204362.24	204362.24	204362.24	204362.24	204370.83	204370.83	204370.83	204370.83	204456.60	204456.60
	Soil Screening Level											
Hexachlorobenzene	7.2	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	1000	95 U	98 U	100 U	96 U	120 UJ	95 UJ	93 UJ	96 UJ	480 U	290 U	
Hexachloroethane	20	19 U	20 U	20 U	19 U	23 U	19 U	19 U	19 U	96 U	57 U	
Isophorone	37	19 U	20 U	20 U	19 U	23 U	19 U	19 U	19 U	96 U	57 U	
Nitrobenzene	41	19 U	20 U	20 U	19 U	23 U	19 U	19 U	19 U	96 U	57 U	
n-Nitrosodi-n-propylamine	12	19 U	20 U	20 U	19 U	23 U	19 U	19 U	19 U	57 U	57 U	
n-Nitrosodiphenylamine	20	4.8 U	4.9 U	5 U	4.8 U	5.8 U	4.8 U	4.6 U	4.8 U	14 U	**540**	
Pentachlorophenol	50	19 UJ	**21 J**	**15 J**	**43 J**	23 UJ	19 UJ	19 UJ	19 UJ	57 U	**50 J**	
Phenol	120	**300**	13 U	8.7 U	**21**	**25**	**110**	9.4 U	**31**	25 U	83 U	

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311
	Depth	4 – 6 ft	6 – 8 ft	8.5 – 10 ft	1 – 3 ft	3 – 5 ft	5 – 7 ft	8 – 10 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft
	Sample ID	DSIP2-56-4-6	DSIP2-06-6-8	DSIP2-06-8.5-10	DSIP2-07-1-3	DSIP2-07-3-5	DSIP2-07-5-7	DSIP2-07-8-10	DSIP2-08-1-3	DSIP2-08-3.5-5.5	DSIP2-08-6-8
	Sample Date	11/25/2013	11/25/2013	11/25/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013
	Sample Type	FD	N	N	N	N	N	N	N	N	N
	X	1267821.70	1267821.70	1267821.70	1267896.21	1267896.21	1267896.21	1267896.21	1267991.80	1267991.80	1267991.80
	Y	204456.60	204456.60	204456.60	204592.61	204592.61	204592.61	204592.61	204592.40	204592.40	204592.40
	Soil Screening Level										
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene	5	4.7 U	4.9 U	--	4.9 U	5 U	4.7 U	4.8 U	4.9 U	4.6 U	4.8 U
1,2-Dichlorobenzene	3.7	4.7 U	4.9 U	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene		4.7 U	4.9 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U	1.3 U
1,4-Dichlorobenzene	4.3	4.7 U	4.9 U	--	--	--	--	--	--	--	--
2,2'-Oxybis (1-chloropropane)		19 U	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
2,3,4,6-Tetrachlorophenol		19 U	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
2,4,5-Trichlorophenol	1100	94 U	98 U	290 U	98 U	99 U	95 U	96 U	98 U	92 U	95 U
2,4,6-Trichlorophenol	100	94 U	98 U	290 U	98 U	99 U	95 U	96 U	98 U	92 U	95 U
2,4-Dichlorophenol	200	94 U	98 U	290 U	98 U	99 U	95 U	96 U	98 U	92 U	95 U
2,4-Dimethylphenol	20	24 U	25 U	73 U	25 U	25 U	24 U	24 U	24 UJ	23 U	24 U
2,4-Dinitrophenol	850	190 U	200 U	580 U	200 U	200 U	190 U	190 U	200 U	180 U	190 U
2,4-Dinitrotoluene	100	94 U	98 U	290 U	98 U	99 U	95 U	96 U	98 U	92 U	95 U
2,6-Dinitrotoluene		94 U	98 U	290 U	98 U	99 U	95 U	96 U	98 U	92 U	95 U
2-Chloronaphthalene		19 U	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
2-Chlorophenol	20	19 U	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
2-Methylphenol (o-Cresol)	10	4.7 U	**2.6 J**	**15**	4.9 U	5 U	4.7 U	**15 J**	4.9 U	**6.3**	4.8 U
2-Nitroaniline		94 U	98 U	290 U	98 U	99 U	95 U	96 U	98 UJ	92 U	95 U
2-Nitrophenol		19 U	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
3,3'-Dichlorobenzidine	150	94 UJ	98 UJ	290 UJ	98 UJ	99 UJ	95 UJ	96 UJ	98 UJ	92 UJ	95 UJ
3-Nitroaniline		94 U	98 U	290 U	98 U	99 U	95 U	96 U	98 U	92 U	95 U
4-Bromophenyl-phenyl ether		19 U	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
4-Chloro-3-methylphenol		94 U	98 U	290 U	98 U	99 U	95 U	96 U	98 U	92 U	95 U
4-Chloroaniline		94 U	98 U	290 U	98 UJ	99 UJ	95 UJ	96 UJ	98 UJ	92 UJ	95 UJ
4-Chlorophenyl phenyl ether		19 U	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
4-Methylphenol (p-Cresol)	270	**8**	**35**	**43**	4.2 U	5 U	4.7 U	**42 J**	4.2 U	**21**	**17 J**
4-Nitroaniline		94 U	98 U	290 U	98 U	99 U	95 U	96 U	98 U	92 U	95 U
4-Nitrophenol		94 U	98 U	290 U	98 U	99 U	95 U	96 U	98 U	92 U	95 U
Benzoic acid	400	190 U	**160 J**	**1300**	200 U	200 U	190 U	**1100**	200 UJ	180 U	190 U
Benzyl alcohol	57	**89**	**13 J**	**120**	20 U	20 U	19 U	19 U	20 U	18 U	19 U
bis(2-Chloroethoxy)methane		19 U	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
bis(2-Chloroethyl)ether	20	19 U	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
bis(2-Ethylhexyl)phthalate	330	47 U	49 U	150 U	49 U	50 U	47 U	48 U	49 U	46 U	48 U
Butylbenzyl phthalate	14	4.7 U	**3.5 J**	15 U	4.9 U	5 U	4.7 U	4.8 U	4.9 U	4.6 U	4.8 U
Diethyl phthalate	74	**33**	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
Dimethyl phthalate	1000	4.7 U	4.9 U	**32**	4.9 U	5 U	4.7 U	**54**	4.9 U	4.6 U	4.8 U
Di-n-butyl phthalate	20	19 U	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		190 U	200 U	580 U	200 U	200 U	190 U	190 U	200 U	180 U	190 U
Di-n-octyl phthalate	1100	19 U	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311
	Depth	4 – 6 ft	6 – 8 ft	8.5 – 10 ft	1 – 3 ft	3 – 5 ft	5 – 7 ft	8 – 10 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft
	Sample ID	DSIP2-56-4-6	DSIP2-06-6-8	DSIP2-06-8.5-10	DSIP2-07-1-3	DSIP2-07-3-5	DSIP2-07-5-7	DSIP2-07-8-10	DSIP2-08-1-3	DSIP2-08-3.5-5.5	DSIP2-08-6-8
	Sample Date	11/25/2013	11/25/2013	11/25/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013
	Sample Type	FD	N	N	N	N	N	N	N	N	N
	X	1267821.70	1267821.70	1267821.70	1267896.21	1267896.21	1267896.21	1267896.21	1267991.80	1267991.80	1267991.80
	Y	204456.60	204456.60	204456.60	204592.61	204592.61	204592.61	204592.61	204592.40	204592.40	204592.40
	Soil Screening Level										
Hexachlorobenzene	7.2	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	1000	94 U	98 U	290 U	98 U	99 U	95 U	96 U	98 UJ	92 U	95 U
Hexachloroethane	20	19 U	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
Isophorone	37	19 U	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
Nitrobenzene	41	19 U	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
n-Nitrosodi-n-propylamine	12	19 U	20 U	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
n-Nitrosodiphenylamine	20	**420**	**170**	15 U	4.9 U	5 U	4.7 U	4.8 U	4.9 U	**40**	4.8 U
Pentachlorophenol	50	19 U	**28**	58 U	20 U	20 U	19 U	19 U	20 U	18 U	19 U
Phenol	120	58 U	40 U	**450**	11 U	8.4 U	11 U	**360**	12 U	28 U	12 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-08_1311	DSIP2-09_1311	DSIP2-09_1311	DSIP2-09_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-11_1312	DSIP2-11_1312	DSIP2-11_1312
	Depth	8.5 – 10.5 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	1.5 – 3 ft	3.5 – 5 ft	5.5 – 7 ft
	Sample ID	DSIP2-08-8.5-10.5	DSIP2-09-2-4	DSIP2-09-4.5-6.5	DSIP2-09-7-9	DSIP2-10-1-3	DSIP2-10-3.5-5.5	DSIP2-10-6-8	DSIP2-11-1.5-3	DSIP2-11-3.5-5	DSIP2-11-5.5-7
	Sample Date	11/26/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	12/4/2013	12/4/2013	12/4/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267991.80	1268002.99	1268002.99	1268002.99	1267966.58	1267966.58	1267966.58	1267128.73	1267128.73	1267128.73
	Y	204592.40	204347.85	204347.85	204347.85	204286.98	204286.98	204286.98	204368.73	204368.73	204368.73
	Soil Screening Level										
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene	5	4.9 U	--	--	--	--	4.9 U	5 U	14 U	4.9 U	4.7 U
1,2-Dichlorobenzene	3.7	--	--	--	--	--	--	--	14 U	4.9 U	4.7 U
1,3-Dichlorobenzene		1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	14 U	4.9 U	4.7 U
1,4-Dichlorobenzene	4.3	--	--	--	--	--	--	--	14 U	4.9 U	4.7 U
2,2'-Oxybis (1-chloropropane)		20 U	20 U	19 U	59 U	19 U	20 U	20 U	56 U	20 U	19 U
2,3,4,6-Tetrachlorophenol		20 U	20 U	19 U	59 U	19 U	20 U	20 U	56 U	20 U	19 U
2,4,5-Trichlorophenol	1100	98 U	99 U	95 U	300 U	95 U	98 U	99 U	280 U	98 U	94 U
2,4,6-Trichlorophenol	100	98 U	99 U	95 U	300 U	95 U	98 U	99 U	280 U	98 U	94 U
2,4-Dichlorophenol	200	98 U	99 U	95 U	300 U	95 U	98 U	99 U	280 U	98 U	94 U
2,4-Dimethylphenol	20	24 U	25 U	24 U	74 U	24 U	24 U	25 U	71 U	24 U	23 U
2,4-Dinitrophenol	850	200 U	200 U	190 U	590 U	190 U	200 U	200 U	560 U	200 U	190 U
2,4-Dinitrotoluene	100	98 U	99 U	95 U	300 U	95 U	98 U	99 U	280 U	98 U	94 U
2,6-Dinitrotoluene		98 U	99 U	95 U	300 U	95 U	98 U	99 U	280 U	98 U	94 U
2-Chloronaphthalene		20 U	20 U	19 U	59 U	19 U	20 U	20 U	56 U	20 U	19 U
2-Chlorophenol	20	20 U	20 U	19 U	59 U	19 U	20 U	20 U	56 U	20 U	19 U
2-Methylphenol (o-Cresol)	10	**3.6 J**	4.9 U	4.8 U	15 U	**7.2**	4.9 U	**3.4 J**	14 U	4.9 U	4.7 U
2-Nitroaniline		98 U	99 U	95 U	300 U	95 U	98 U	99 U	280 U	98 U	94 U
2-Nitrophenol		20 U	20 U	19 U	59 U	19 U	20 U	20 U	56 U	20 U	19 U
3,3'-Dichlorobenzidine	150	98 UJ	99 UJ	95 UJ	300 UJ	95 UJ	98 UJ	99 UJ	280 UJ	98 UJ	94 UJ
3-Nitroaniline		98 U	99 U	95 U	300 U	95 U	98 U	99 U	280 U	98 U	94 U
4-Bromophenyl-phenyl ether		20 U	20 U	19 U	59 U	19 U	20 U	20 U	56 U	20 U	19 U
4-Chloro-3-methylphenol		98 U	99 U	95 U	300 U	95 U	98 U	99 U	280 U	98 U	94 U
4-Chloroaniline		98 UJ	99 U	95 U	300 U	95 U	98 UJ	99 U	280 UJ	98 UJ	94 UJ
4-Chlorophenyl phenyl ether		20 U	20 U	19 U	59 U	19 U	20 U	20 U	56 U	20 U	19 U
4-Methylphenol (p-Cresol)	270	12 U	**4 J**	4.8 U	**7.7 J**	**23**	**5.5**	**12**	14 U	4.9 U	4.7 U
4-Nitroaniline		98 U	99 U	95 U	300 U	95 U	98 U	99 U	280 U	98 U	94 U
4-Nitrophenol		98 U	99 U	95 U	300 U	95 U	98 U	99 U	280 U	98 U	94 U
Benzoic acid	400	**230**	200 U	190 U	590 U	**720**	200 U	**220**	560 U	200 U	190 U
Benzyl alcohol	57	**23**	20 U	19 U	59 U	**71**	20 U	**28**	56 U	20 U	19 U
bis(2-Chloroethoxy)methane		20 U	20 U	19 U	59 U	19 U	20 U	20 U	56 U	20 U	19 U
bis(2-Chloroethyl)ether	20	20 U	20 U	19 U	59 U	19 U	20 U	20 U	56 U	20 U	19 U
bis(2-Ethylhexyl)phthalate	330	49 U	49 U	48 U	150 U	47 U	49 U	**42 J**	140 U	49 U	47 U
Butylbenzyl phthalate	14	4.9 U	4.9 U	4.8 U	15 U	**7.2 J**	4.9 U	5 U	**16 J**	4.9 U	4.7 U
Diethyl phthalate	74	20 U	20 U	**28**	59 U	19 U	**26**	**28**	56 U	24 U	27 U
Dimethyl phthalate	1000	4.9 U	4.9 U	4.8 U	15 U	**12 J**	4.9 U	5 U	14 U	4.9 U	4.7 U
Di-n-butyl phthalate	20	20 U	20 U	19 U	59 U	19 U	**39**	**42**	56 U	20 U	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		200 U	200 U	190 U	590 U	190 U	200 U	200 U	560 U	200 U	190 U
Di-n-octyl phthalate	1100	20 U	20 U	19 U	59 U	19 U	20 U	20 U	56 U	20 U	19 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-08_1311	DSIP2-09_1311	DSIP2-09_1311	DSIP2-09_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-11_1312	DSIP2-11_1312	DSIP2-11_1312
	Depth	8.5 – 10.5 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	1.5 – 3 ft	3.5 – 5 ft	5.5 – 7 ft
	Sample ID	DSIP2-08-8.5-10.5	DSIP2-09-2-4	DSIP2-09-4.5-6.5	DSIP2-09-7-9	DSIP2-10-1-3	DSIP2-10-3.5-5.5	DSIP2-10-6-8	DSIP2-11-1.5-3	DSIP2-11-3.5-5	DSIP2-11-5.5-7
	Sample Date	11/26/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	12/4/2013	12/4/2013	12/4/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267991.80	1268002.99	1268002.99	1268002.99	1267966.58	1267966.58	1267966.58	1267128.73	1267128.73	1267128.73
	Y	204592.40	204347.85	204347.85	204347.85	204286.98	204286.98	204286.98	204368.73	204368.73	204368.73
	Soil Screening Level										
Hexachlorobenzene	7.2	--	--	--	--	4.7 U	--	--	14 U	4.9 U	4.7 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	1000	98 U	99 U	95 U	300 U	95 U	98 UJ	99 U	280 U	98 U	94 U
Hexachloroethane	20	20 U	20 U	19 U	59 U	19 U	20 U	20 U	56 U	20 U	19 UJ
Isophorone	37	20 U	20 U	19 U	59 U	19 U	20 U	20 U	56 U	20 U	19 U
Nitrobenzene	41	20 U	20 U	19 U	59 U	19 U	20 U	20 U	56 U	20 U	19 U
n-Nitrosodi-n-propylamine	12	20 U	20 U	19 U	59 U	19 U	20 U	20 U	56 U	20 U	19 U
n-Nitrosodiphenylamine	20	4.9 U	4.9 U	**13**	15 U	4.7 U	4.9 U	5 U	14 U	4.9 U	4.7 U
Pentachlorophenol	50	20 U	20 U	19 U	59 U	19 U	**15 J**	20 U	56 UJ	20 UJ	19 UJ
Phenol	120	**82**	14 U	8.5 U	15 U	**180 J**	15 U	30 U	14 U	4.9 U	4.7 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-11_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311
	Depth	9 – 11 ft	11 – 13 ft	2.5 – 4.5 ft	5 – 7 ft	8 – 10 ft	2 – 3.5 ft	3.5 – 5 ft	6 – 8 ft	9 – 11 ft	9 – 11 ft
	Sample ID	DSIP2-11-9-11	DSIP2-12-11-13	DSIP2-12-2.5-4.5	DSIP2-12-5-7	DSIP2-12-8-10	DSIP2-13-2-3.5	DSIP2-13-3.5-5	DSIP2-13-6-8	DSIP2-13-9-11	DSIP2-63-9-11
	Sample Date	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013
	Sample Type	N	N	N	N	N	N	N	N	N	FD
	X	1267128.73	1267281.17	1267281.17	1267281.17	1267281.17	1267446.25	1267446.25	1267446.25	1267446.25	1267446.25
	Y	204368.73	204371.54	204371.54	204371.54	204371.54	204365.45	204365.45	204365.45	204365.45	204365.45
Soil Screening Level											
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene	5	4.7 U	4.9 U	4.9 U	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.9 U
1,2-Dichlorobenzene	3.7	4.7 U	4.9 U	4.9 U	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.9 U
1,3-Dichlorobenzene		4.7 U	4.9 U	4.9 U	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.9 U
1,4-Dichlorobenzene	4.3	4.7 U	4.9 U	4.9 U	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.9 U
2,2'-Oxybis (1-chloropropane)		19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U
2,3,4,6-Tetrachlorophenol		19 U	20 U	19 U	19 U	19 U	**2500**	19 U	19 U	20 U	20 U
2,4,5-Trichlorophenol	1100	94 U	98 U	97 U	96 U	95 U	**110**	97 U	94 U	98 U	97 U
2,4,6-Trichlorophenol	100	94 U	98 U	97 U	96 U	95 U	94 U	97 U	94 U	98 U	97 U
2,4-Dichlorophenol	200	94 U	98 U	97 U	96 U	95 U	94 U	97 U	94 U	98 U	97 U
2,4-Dimethylphenol	20	24 U	24 U	24 U	24 U	24 U	24 UJ	24 UJ	24 UJ	24 UJ	24 UJ
2,4-Dinitrophenol	850	190 U	200 U	190 U	190 U	190 U	190 UJ	190 UJ	190 UJ	200 UJ	200 UJ
2,4-Dinitrotoluene	100	94 U	98 U	97 U	96 U	95 U	94 U	97 U	94 U	98 U	97 U
2,6-Dinitrotoluene		94 U	98 U	97 U	96 U	95 U	94 U	97 U	94 U	98 U	97 U
2-Chloronaphthalene		19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U
2-Chlorophenol	20	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U
2-Methylphenol (o-Cresol)	10	4.7 U	**8**	4.9 U	4.8 U	4.7 U	**6.8**	4.8 U	**4 J**	**3.1 J**	**3.1 J**
2-Nitroaniline		94 U	98 U	97 U	96 U	95 U	94 U	97 U	94 U	98 U	97 U
2-Nitrophenol		19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U
3,3'-Dichlorobenzidine	150	94 UJ	98 UJ	97 UJ	96 UJ	95 UJ	94 UJ	97 UJ	94 UJ	98 UJ	97 UJ
3-Nitroaniline		94 U	98 U	97 U	96 U	95 U	94 U	97 U	94 U	98 U	97 U
4-Bromophenyl-phenyl ether		19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U
4-Chloro-3-methylphenol		94 U	98 U	97 U	96 U	95 U	94 U	97 U	94 U	98 U	97 U
4-Chloroaniline		94 UJ	98 UJ	97 UJ	96 UJ	95 UJ	94 UJ	97 UJ	94 UJ	98 UJ	97 UJ
4-Chlorophenyl phenyl ether		19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U
4-Methylphenol (p-Cresol)	270	4.7 U	**52**	**2.9 J**	**5.3**	4.7 U	**14 J**	**4.3 J**	**33**	**4.7 J**	**4.4 J**
4-Nitroaniline		94 U	98 U	97 U	96 U	95 U	94 U	97 U	94 U	98 U	97 U
4-Nitrophenol		94 U	98 U	97 U	96 U	95 U	94 U	97 U	94 U	98 U	97 U
Benzoic acid	400	**220**	**750**	190 U	190 U	190 U	190 UJ	190 UJ	**79 J**	**84 J**	**95 J**
Benzyl alcohol	57	19 U	**63**	19 U	19 U	19 U	19 U	19 U	**17 J**	**21**	**17 J**
bis(2-Chloroethoxy)methane		19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U
bis(2-Chloroethyl)ether	20	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U
bis(2-Ethylhexyl)phthalate	330	47 U	49 U	49 U	48 U	47 U	47 U	48 U	47 U	49 U	49 U
Butylbenzyl phthalate	14	4.7 U	4.9 U	4.9 U	**9 J**	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.9 U
Diethyl phthalate	74	19 U	20 U	24 U	25 U	19 U	19 U	19 U	19 U	20 U	20 U
Dimethyl phthalate	1000	4.7 U	4.9 U	4.9 U	**4.2 J**	4.7 U	--	4.8 U	4.7 U	4.9 U	4.9 U
Di-n-butyl phthalate	20	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		190 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U
Di-n-octyl phthalate	1100	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U

Table 7-5d
Soil Results: SVOCs

		Location ID	DSIP2-11_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311
		Depth	9 – 11 ft	11 – 13 ft	2.5 – 4.5 ft	5 – 7 ft	8 – 10 ft	2 – 3.5 ft	3.5 – 5 ft	6 – 8 ft	9 – 11 ft	9 – 11 ft
		Sample ID	DSIP2-11-9-11	DSIP2-12-11-13	DSIP2-12-2.5-4.5	DSIP2-12-5-7	DSIP2-12-8-10	DSIP2-13-2-3.5	DSIP2-13-3.5-5	DSIP2-13-6-8	DSIP2-13-9-11	DSIP2-63-9-11
		Sample Date	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013
		Sample Type	N	N	N	N	N	N	N	N	N	FD
		X	1267128.73	1267281.17	1267281.17	1267281.17	1267281.17	1267446.25	1267446.25	1267446.25	1267446.25	1267446.25
		Y	204368.73	204371.54	204371.54	204371.54	204371.54	204365.45	204365.45	204365.45	204365.45	204365.45
	Soil Screening Level											
Hexachlorobenzene	7.2		4.7 U	4.9 U	4.9 U	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.9 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4		--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	1000		94 U	98 U	97 U	96 U	95 U	94 UJ	97 UJ	94 UJ	98 UJ	97 UJ
Hexachloroethane	20		19 UJ	20 UJ	19 UJ	19 UJ	19 UJ	19 U	19 U	19 U	20 U	20 U
Isophorone	37		19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U
Nitrobenzene	41		19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U
n-Nitrosodi-n-propylamine	12		19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U	20 U
n-Nitrosodiphenylamine	20		4.7 U	4.9 U	4.9 U	4.8 U	4.7 U	**12**	**2.8 J**	4.7 U	4.9 U	4.9 U
Pentachlorophenol	50		19 UJ	20 UJ	19 UJ	19 UJ	19 UJ	**20000 J**	19 UJ	19 UJ	20 UJ	20 UJ
Phenol	120		**21**	**230**	11 U	9.7 U	4.7 U	**750 J**	**39 J**	**48 J**	**28 J**	**29 J**

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-14_1311	DSIP2-14_1311	DSIP2-14_1311	DSIP2-14_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-16_1311	DSIP2-16_1311
	Depth	1 – 3 ft	3 – 5 ft	6 – 8 ft	9 – 11 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft	11 – 13 ft	2 – 4 ft
	Sample ID	DSIP2-14-1-3	DSIP2-14-3-5	DSIP2-14-6-8	DSIP2-14-9-11	DSIP2-15-2-4	DSIP2-15-4-6	DSIP2-15-6-8	DSIP2-15-9-11	DSIP2-16-11-13	DSIP2-16-2-4
	Sample Date	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/20/2013	11/20/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267473.67	1267473.67	1267473.67	1267473.67	1267509.17	1267509.17	1267509.17	1267509.17	1267562.84	1267562.84
	Y	204378.75	204378.75	204378.75	204378.75	204385.33	204385.33	204385.33	204385.33	204360.20	204360.20
	Soil Screening Level										
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene	5	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.9 U	4.7 U	4.8 U	4.9 U	4.8 U
1,2-Dichlorobenzene	3.7	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene		1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	1.1 U
1,4-Dichlorobenzene	4.3	--	--	--	--	--	--	--	--	--	--
2,2'-Oxybis (1-chloropropane)		19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	19 U
2,3,4,6-Tetrachlorophenol		19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	19 U
2,4,5-Trichlorophenol	1100	93 U	94 U	96 U	95 U	99 U	99 U	94 U	96 U	97 U	95 U
2,4,6-Trichlorophenol	100	93 U	94 U	96 U	95 U	99 U	99 U	94 U	96 U	97 U	95 U
2,4-Dichlorophenol	200	93 U	94 U	96 U	95 U	99 U	99 U	94 U	96 U	97 U	95 U
2,4-Dimethylphenol	20	23 UJ	23 UJ	24 UJ	24 UJ	25 UJ	25 UJ	24 UJ	24 UJ	24 U	24 U
2,4-Dinitrophenol	850	190 UJ	190 UJ	190 UJ	190 UJ	200 UJ	200 UJ	190 UJ	190 UJ	200 U	190 U
2,4-Dinitrotoluene	100	93 U	94 U	96 U	95 U	99 U	99 U	94 U	96 U	97 U	95 U
2,6-Dinitrotoluene		93 U	94 U	96 U	95 U	99 U	99 U	94 U	96 U	97 U	95 U
2-Chloronaphthalene		19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	19 U
2-Chlorophenol	20	19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	19 U
2-Methylphenol (o-Cresol)	10	**3.2 J**	4.7 U	**5.5**	**4.6 J**	**14**	4.9 U	**7.4**	**6.3**	**6.2**	4.8 U
2-Nitroaniline		93 U	94 U	96 U	95 U	99 U	99 U	94 U	96 U	97 U	95 U
2-Nitrophenol		19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	19 U
3,3'-Dichlorobenzidine	150	93 UJ	94 UJ	96 UJ	95 UJ	99 UJ	99 UJ	94 UJ	96 UJ	97 UJ	95 UJ
3-Nitroaniline		93 U	94 U	96 U	95 U	99 U	99 UJ	94 U	96 U	97 U	95 U
4-Bromophenyl-phenyl ether		19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	19 U
4-Chloro-3-methylphenol		93 U	94 U	96 U	95 U	99 U	99 U	94 U	96 U	97 U	95 U
4-Chloroaniline		93 UJ	94 UJ	96 UJ	95 UJ	99 UJ	99 UJ	94 UJ	96 UJ	97 UJ	95 UJ
4-Chlorophenyl phenyl ether		19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	19 U
4-Methylphenol (p-Cresol)	270	**30**	**9.8**	**37**	**13**	**100**	**9.3**	**30**	**12**	**24**	**12**
4-Nitroaniline		93 U	94 U	96 U	95 U	99 U	99 U	94 U	96 U	97 U	95 U
4-Nitrophenol		93 U	94 U	96 U	95 U	99 U	99 U	94 U	96 U	97 U	95 U
Benzoic acid	400	190 UJ	190 UJ	**61 J**	**78 J**	200 UJ	200 UJ	190 UJ	**87 J**	**830**	190 U
Benzyl alcohol	57	**12 J**	19 U	**31**	**14 J**	20 U	20 U	19 U	19 U	**80**	19 U
bis(2-Chloroethoxy)methane		19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	19 U
bis(2-Chloroethyl)ether	20	19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	19 U
bis(2-Ethylhexyl)phthalate	330	47 U	47 U	48 U	47 U	49 U	49 U	47 U	48 U	49 U	48 U
Butylbenzyl phthalate	14	4.7 U	4.7 U	**3.5 J**	4.7 U	4.9 U	4.9 U	4.7 U	4.8 U	**11 J**	4.8 U
Diethyl phthalate	74	19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	**48**
Dimethyl phthalate	1000	**2.4 J**	4.7 U	**3.5 J**	4.7 U	4.9 U	4.9 U	4.7 U	4.8 U	4.9 U	4.8 U
Di-n-butyl phthalate	20	19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	**12 J**	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		190 U	190 U	190 U	190 U	200 U	200 U	190 U	190 U	200 UJ	190 UJ
Di-n-octyl phthalate	1100	19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	19 U

Table 7-5d
Soil Results: SVOCs

		Location ID	DSIP2-14_1311	DSIP2-14_1311	DSIP2-14_1311	DSIP2-14_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-16_1311	DSIP2-16_1311
		Depth	1 – 3 ft	3 – 5 ft	6 – 8 ft	9 – 11 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft	11 – 13 ft	2 – 4 ft
		Sample ID	DSIP2-14-1-3	DSIP2-14-3-5	DSIP2-14-6-8	DSIP2-14-9-11	DSIP2-15-2-4	DSIP2-15-4-6	DSIP2-15-6-8	DSIP2-15-9-11	DSIP2-16-11-13	DSIP2-16-2-4
		Sample Date	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/20/2013	11/20/2013
		Sample Type	N	N	N	N	N	N	N	N	N	N
		X	1267473.67	1267473.67	1267473.67	1267473.67	1267509.17	1267509.17	1267509.17	1267509.17	1267562.84	1267562.84
		Y	204378.75	204378.75	204378.75	204378.75	204385.33	204385.33	204385.33	204385.33	204360.20	204360.20
	Soil Screening Level											
Hexachlorobenzene	7.2		4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.9 U	4.7 U	4.8 U	4.9 U	4.8 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4		--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	1000		93 UJ	94 UJ	96 UJ	95 UJ	99 UJ	99 UJ	94 UJ	96 UJ	97 UJ	95 UJ
Hexachloroethane	20		19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	19 U
Isophorone	37		19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	19 U
Nitrobenzene	41		19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	19 U
n-Nitrosodi-n-propylamine	12		19 U	19 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U	19 U
n-Nitrosodiphenylamine	20		**4.4 J**	4.7 U	**4 J**	4.7 U	**3.3 J**	4.9 U	4.7 U	4.8 U	4.9 U	4.8 U
Pentachlorophenol	50		19 UJ	19 UJ	19 UJ	19 UJ	20 UJ	20 UJ	19 UJ	**12 J**	20 UJ	19 UJ
Phenol	120		**120 J**	**29 J**	**40 J**	**45 J**	**83 J**	**45 J**	**140 J**	**58 J**	**320**	**68**

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-16_1311	DSIP2-16_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-18_1312	DSIP2-18_1312	DSIP2-18_1312	DSIP2-18_1312
	Depth	5 – 7 ft	8 – 10 ft	10 – 12 ft	2 – 4 ft	5 – 7 ft	7 – 9 ft	0.5 – 2.5 ft	10.5 – 12.5 ft	3 – 5 ft	7 – 9 ft
	Sample ID	DSIP2-16-5-7	DSIP2-16-8-10	DSIP2-17-10-12	DSIP2-17-2-4	DSIP2-17-5-7	DSIP2-17-7-9	DSIP2-18-0.5-2.5	DSIP2-18-10.5-12.5	DSIP2-18-3-5	DSIP2-18-7-9
	Sample Date	11/20/2013	11/20/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267562.84	1267562.84	1267480.85	1267480.85	1267480.85	1267480.85	1267490.47	1267490.47	1267490.47	1267490.47
	Y	204360.20	204360.20	204502.28	204502.28	204502.28	204502.28	204558.51	204558.51	204558.51	204558.51
	Soil Screening Level										
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene	5	4.7 U	4.8 U	4.7 U	--	--	4.8 U	4.6 U	4.6 U	4.5 U	15 U
1,2-Dichlorobenzene	3.7	--	--	--	--	--	--	4.6 U	4.6 U	4.5 U	15 U
1,3-Dichlorobenzene		1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	4.6 U	4.6 U	4.5 U	15 U
1,4-Dichlorobenzene	4.3	--	--	--	--	--	--	4.6 U	4.6 U	4.5 U	15 U
2,2'-Oxybis (1-chloropropane)		19 U	19 U	19 U	20 U	20 U	19 U	19 U	19 U	18 U	59 U
2,3,4,6-Tetrachlorophenol		19 U	19 U	19 U	20 U	20 U	19 U	19 U	19 U	18 U	59 U
2,4,5-Trichlorophenol	1100	94 U	96 U	93 U	98 U	97 U	96 U	93 U	93 U	90 U	290 U
2,4,6-Trichlorophenol	100	94 U	96 U	93 U	98 U	97 U	96 U	93 U	93 U	90 U	290 U
2,4-Dichlorophenol	200	94 U	96 U	93 U	98 U	97 U	96 U	93 U	93 U	90 U	290 U
2,4-Dimethylphenol	20	24 U	24 U	23 U	24 U	24 U	24 U	23 UJ	23 UJ	23 UJ	74 UJ
2,4-Dinitrophenol	850	190 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	180 U	590 U
2,4-Dinitrotoluene	100	94 U	96 U	93 U	98 U	97 U	96 U	93 U	93 U	90 U	290 U
2,6-Dinitrotoluene		94 U	96 U	93 U	98 U	97 U	96 U	93 U	93 U	90 U	290 U
2-Chloronaphthalene		19 U	19 U	19 U	20 U	20 U	19 U	19 U	19 U	18 U	59 U
2-Chlorophenol	20	19 U	19 U	19 U	20 U	20 U	19 U	19 U	19 U	18 U	59 U
2-Methylphenol (o-Cresol)	10	4.7 U	4.8 U	**6**	4.9 U	4.9 U	4.8 U	**2.8 J**	**3.7 J**	4.5 U	15 U
2-Nitroaniline		94 U	96 U	93 U	98 U	97 U	96 U	93 U	93 U	90 U	290 U
2-Nitrophenol		19 U	19 U	19 U	20 U	20 U	19 U	19 U	19 U	18 U	59 U
3,3'-Dichlorobenzidine	150	94 UJ	96 UJ	93 UJ	98 UJ	97 UJ	96 UJ	93 UJ	93 UJ	90 UJ	290 UJ
3-Nitroaniline		94 U	96 U	93 U	98 U	97 U	96 U	93 U	93 U	90 U	290 U
4-Bromophenyl-phenyl ether		19 U	19 U	19 U	20 U	20 U	19 U	19 U	19 U	18 U	59 U
4-Chloro-3-methylphenol		94 U	96 U	93 U	98 U	97 U	96 U	93 U	93 U	90 U	290 U
4-Chloroaniline		94 UJ	96 UJ	93 U	98 U	97 U	96 U	93 U	93 U	90 U	290 U
4-Chlorophenyl phenyl ether		19 U	19 U	19 U	20 U	20 U	19 U	19 U	19 U	18 U	59 U
4-Methylphenol (p-Cresol)	270	4.7 U	**19**	**30**	**3.9 J**	4.9 U	**10**	**7.5**	**22**	4.5 U	15 U
4-Nitroaniline		94 U	96 U	93 U	98 U	97 U	96 U	93 U	93 U	90 U	290 U
4-Nitrophenol		94 U	96 U	93 U	98 U	97 U	96 U	93 U	93 U	90 U	290 U
Benzoic acid	400	190 U	**68 J**	**580**	200 U	200 U	190 U	190 U	**410**	180 U	590 U
Benzyl alcohol	57	19 U	**14 J**	**37 J**	20 UJ	20 UJ	19 UJ	19 U	19 U	18 U	59 U
bis(2-Chloroethoxy)methane		19 U	19 U	19 U	20 U	20 U	19 U	19 U	19 U	18 U	59 U
bis(2-Chloroethyl)ether	20	19 U	19 U	19 U	20 U	20 U	19 U	19 U	19 U	18 U	59 U
bis(2-Ethylhexyl)phthalate	330	47 U	48 U	47 U	49 U	49 U	48 U	46 U	46 U	45 U	150 U
Butylbenzyl phthalate	14	4.7 U	4.8 U	4.7 U	4.9 U	4.9 U	4.8 U	**8.3 J**	4.6 U	4.5 U	15 U
Diethyl phthalate	74	19 U	19 U	19 U	26 U	20 U	19 U	19 U	19 U	18 U	59 U
Dimethyl phthalate	1000	4.7 U	4.8 U	4.7 U	4.9 U	4.9 U	4.8 U	4.6 U	4.6 U	4.5 U	15 U
Di-n-butyl phthalate	20	19 U	19 U	19 U	20 U	20 U	19 U	19 U	19 U	18 U	59 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		190 UJ	190 UJ	190 U	200 U	200 U	190 U	190 U	190 U	180 U	590 U
Di-n-octyl phthalate	1100	19 U	19 U	19 U	20 U	20 U	19 U	19 U	19 U	18 U	59 U

Table 7-5d
Soil Results: SVOCs

	Location ID	**DSIP2-16_1311**	**DSIP2-16_1311**	**DSIP2-17_1311**	**DSIP2-17_1311**	**DSIP2-17_1311**	**DSIP2-17_1311**	**DSIP2-18_1312**	**DSIP2-18_1312**	**DSIP2-18_1312**	**DSIP2-18_1312**
	Depth	**5 – 7 ft**	**8 – 10 ft**	**10 – 12 ft**	**2 – 4 ft**	**5 – 7 ft**	**7 – 9 ft**	**0.5 – 2.5 ft**	**10.5 – 12.5 ft**	**3 – 5 ft**	**7 – 9 ft**
	Sample ID	**DSIP2-16-5-7**	**DSIP2-16-8-10**	**DSIP2-17-10-12**	**DSIP2-17-2-4**	**DSIP2-17-5-7**	**DSIP2-17-7-9**	**DSIP2-18-0.5-2.5**	**DSIP2-18-10.5-12.5**	**DSIP2-18-3-5**	**DSIP2-18-7-9**
	Sample Date	**11/20/2013**	**11/20/2013**	**11/22/2013**	**11/22/2013**	**11/22/2013**	**11/22/2013**	**12/3/2013**	**12/3/2013**	**12/3/2013**	**12/3/2013**
	Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
	X	**1267562.84**	**1267562.84**	**1267480.85**	**1267480.85**	**1267480.85**	**1267480.85**	**1267490.47**	**1267490.47**	**1267490.47**	**1267490.47**
	Y	**204360.20**	**204360.20**	**204502.28**	**204502.28**	**204502.28**	**204502.28**	**204558.51**	**204558.51**	**204558.51**	**204558.51**
	Soil Screening Level										
Hexachlorobenzene	7.2	4.7 U	4.8 U	4.7 U	4.9 U	4.9 U	4.8 U	4.6 U	4.6 U	4.5 U	15 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	1000	94 UJ	96 UJ	93 U	98 U	97 U	96 U	93 U	93 U	90 U	290 U
Hexachloroethane	20	19 U	19 U	19 U	20 U	20 U	19 U	19 U	19 U	18 U	59 U
Isophorone	37	19 U	19 U	19 U	20 U	20 U	19 U	19 U	19 U	18 U	59 U
Nitrobenzene	41	19 U	19 U	19 U	20 U	20 U	19 U	19 U	19 U	18 U	59 U
n-Nitrosodi-n-propylamine	12	19 U	19 U	19 U	20 U	20 U	19 U	19 U	19 U	18 U	59 U
n-Nitrosodiphenylamine	20	4.7 U	4.8 U	4.7 U	4.9 U	4.9 U	4.8 U	4.6 U	4.6 U	4.5 U	15 U
Pentachlorophenol	50	**12 J**	19 UJ	19 U	20 U	20 U	19 U	19 UJ	19 UJ	18 UJ	59 UJ
Phenol	120	**19**	**19**	**200**	**21**	8.8 U	**12 J**	11 U	**150**	7.8 U	15 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-21_1311	DSIP2-21_1311
	Depth	1.3 – 3.5 ft	10 – 12 ft	5 – 7 ft	7.5 – 9 ft	11 – 13 ft	2.5 – 4.5 ft	5 – 7 ft	7.5 – 9.5 ft	10 – 12 ft	2 – 4 ft
	Sample ID	DSIP2-19-1.3-3.5	DSIP2-19-10-12	DSIP2-19-5-7	DSIP2-19-7.5-9	DSIP2-20-11-13	DSIP2-20-2.5-4.5	DSIP2-20-5-7	DSIP2-20-7.5-9.5	DSIP2-21-10-12	DSIP2-21-2-4
	Sample Date	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/2/2013	12/2/2013	12/2/2013	12/2/2013	11/22/2013	11/22/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267489.96	1267489.96	1267489.96	1267489.96	1267608.74	1267608.74	1267608.74	1267608.74	1267645.48	1267645.48
	Y	204622.78	204622.78	204622.78	204622.78	204585.93	204585.93	204585.93	204585.93	204478.29	204478.29
	Soil Screening Level										
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene	5	4.7 U	14 U	4.6 U	4.8 U	4.8 U	--	4.7 U	5 U	4.9 U	4.7 U
1,2-Dichlorobenzene	3.7	4.7 U	14 U	4.6 U	4.8 U	--	--	--	--	4.9 U	4.7 U
1,3-Dichlorobenzene		4.7 U	14 U	4.6 U	4.8 U	2.4 UJ	0.8 U	1.4 U	1.3 U	4.9 U	4.7 U
1,4-Dichlorobenzene	4.3	4.7 U	14 U	4.6 U	4.8 U	--	--	--	--	4.9 U	4.7 U
2,2'-Oxybis (1-chloropropane)		19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U
2,3,4,6-Tetrachlorophenol		19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U
2,4,5-Trichlorophenol	1100	94 U	290 U	92 U	96 U	96 U	96 U	93 U	100 U	98 U	94 U
2,4,6-Trichlorophenol	100	94 U	290 U	92 U	96 U	96 U	96 U	93 U	100 U	98 U	94 U
2,4-Dichlorophenol	200	94 U	290 U	92 U	96 U	96 U	96 U	93 U	100 U	98 U	94 U
2,4-Dimethylphenol	20	24 UJ	72 UJ	23 UJ	24 UJ	24 U	24 U	23 U	25 U	25 U	24 U
2,4-Dinitrophenol	850	190 U	580 U	180 U	190 U	190 U	190 U	190 U	200 U	200 U	190 U
2,4-Dinitrotoluene	100	94 U	290 U	92 U	96 U	96 U	96 U	93 U	100 U	98 U	94 U
2,6-Dinitrotoluene		94 U	290 U	92 U	96 U	96 U	96 U	93 U	100 U	98 U	94 U
2-Chloronaphthalene		19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U
2-Chlorophenol	20	19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U
2-Methylphenol (o-Cresol)	10	4.7 U	**9.3 J**	4.6 U	4.8 U	4.8 U	4.8 U	4.7 U	5 U	**3.4 J**	4.7 U
2-Nitroaniline		94 U	290 U	92 U	96 U	96 U	96 U	93 U	100 U	98 U	94 U
2-Nitrophenol		19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U
3,3'-Dichlorobenzidine	150	94 UJ	290 UJ	92 UJ	96 UJ	96 UJ	96 UJ	93 UJ	100 UJ	98 UJ	94 UJ
3-Nitroaniline		94 U	290 U	92 U	96 U	96 U	96 U	93 U	100 U	98 U	94 U
4-Bromophenyl-phenyl ether		19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U
4-Chloro-3-methylphenol		94 U	290 U	92 U	96 U	96 U	96 U	93 U	100 U	98 U	94 U
4-Chloroaniline		94 UJ	290 U	92 U	96 U	96 UJ	96 UJ	93 UJ	100 UJ	98 U	94 U
4-Chlorophenyl phenyl ether		19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U
4-Methylphenol (p-Cresol)	270	4.7 U	**22**	4.6 U	4.8 U	**26**	**6.7**	4.7 U	**6.4**	**19**	4.7 U
4-Nitroaniline		94 U	290 U	92 U	96 U	96 U	96 U	93 U	100 U	98 U	94 U
4-Nitrophenol		94 U	290 U	92 U	96 U	96 U	96 U	93 U	100 U	98 U	94 U
Benzoic acid	400	190 U	**1300**	180 U	190 U	**850**	**66 J**	190 U	200 U	**460**	190 U
Benzyl alcohol	57	19 U	58 U	18 U	19 U	--	--	--	--	**30 J**	19 UJ
bis(2-Chloroethoxy)methane		19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U
bis(2-Chloroethyl)ether	20	19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U
bis(2-Ethylhexyl)phthalate	330	47 U	140 U	46 U	48 U	48 U	48 U	47 U	50 U	49 U	47 U
Butylbenzyl phthalate	14	4.7 U	14 U	4.6 U	4.8 U	4.8 U	4.8 U	4.7 U	**4 J**	4.9 U	4.7 U
Diethyl phthalate	74	19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U
Dimethyl phthalate	1000	**3.7 J**	14 U	4.6 U	4.8 U	4.8 U	4.8 U	4.7 U	5 U	4.9 U	4.7 U
Di-n-butyl phthalate	20	19 U	58 U	18 U	19 U	19 U	**11 J**	19 U	20 U	20 U	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		190 U	580 U	180 U	190 U	190 U	190 U	190 U	200 U	200 U	190 U
Di-n-octyl phthalate	1100	19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-21_1311	DSIP2-21_1311
	Depth	1.3 – 3.5 ft	10 – 12 ft	5 – 7 ft	7.5 – 9 ft	11 – 13 ft	2.5 – 4.5 ft	5 – 7 ft	7.5 – 9.5 ft	10 – 12 ft	2 – 4 ft
	Sample ID	DSIP2-19-1.3-3.5	DSIP2-19-10-12	DSIP2-19-5-7	DSIP2-19-7.5-9	DSIP2-20-11-13	DSIP2-20-2.5-4.5	DSIP2-20-5-7	DSIP2-20-7.5-9.5	DSIP2-21-10-12	DSIP2-21-2-4
	Sample Date	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/2/2013	12/2/2013	12/2/2013	12/2/2013	11/22/2013	11/22/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267489.96	1267489.96	1267489.96	1267489.96	1267608.74	1267608.74	1267608.74	1267608.74	1267645.48	1267645.48
	Y	204622.78	204622.78	204622.78	204622.78	204585.93	204585.93	204585.93	204585.93	204478.29	204478.29
	Soil Screening Level										
Hexachlorobenzene	7.2	4.7 U	14 U	4.6 U	4.8 U	4.8 U	4.8 U	4.7 U	5 U	4.9 U	4.7 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	1000	94 U	290 U	92 U	96 U	96 U	96 U	93 U	100 U	98 U	94 U
Hexachloroethane	20	19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U
Isophorone	37	19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U
Nitrobenzene	41	19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U
n-Nitrosodi-n-propylamine	12	19 U	58 U	18 U	19 U	19 U	19 U	19 U	20 U	20 U	19 U
n-Nitrosodiphenylamine	20	4.7 U	14 U	4.6 U	4.8 U	4.8 U	4.8 U	4.7 U	5 U	4.9 U	4.7 U
Pentachlorophenol	50	19 UJ	58 UJ	18 UJ	19 UJ	19 UJ	19 UJ	19 UJ	20 UJ	20 U	19 U
Phenol	120	8.6 U	**160**	8.2 U	9 U	**150**	**12 J**	5.7 U	**11 J**	**69**	**10 J**

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-21_1311	DSIP2-21_1311	DSIP2-22_1312	DSIP2-22_1312	DSIP2-22_1312	DSIP2-22_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312
	Depth	5 – 7 ft	7 – 9 ft	10 – 12 ft	2 – 4 ft	4 – 6 ft	7 – 9 ft	1.5 – 3 ft	10.5 – 12.5 ft	5 – 7 ft	5 – 7 ft
	Sample ID	DSIP2-21-5-7	DSIP2-21-7-9	DSIP2-22-10-12	DSIP2-22-2-4	DSIP2-22-4-6	DSIP2-22-7-9	DSIP2-23-1.5-3	DSIP2-23-10.5-12.5	DSIP2-23-5-7	DSIP2-73-5-7
	Sample Date	11/22/2013	11/22/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/2/2013	12/2/2013	12/2/2013	12/2/2013
	Sample Type	N	N	N	N	N	N	N	N	N	FD
	X	1267645.48	1267645.48	1267750.33	1267750.33	1267750.33	1267750.33	1267680.39	1267680.39	1267680.39	1267680.39
	Y	204478.29	204478.29	204629.75	204629.75	204629.75	204629.75	204601.37	204601.37	204601.37	204601.37
Soil Screening Level											
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene	5	5 U	4.9 U	4.8 U	4.8 U	4.6 U	4.6 U	--	4.9 U	--	--
1,2-Dichlorobenzene	3.7	5 U	4.9 U	4.8 U	4.8 U	4.6 U	**5.5**	--	--	--	--
1,3-Dichlorobenzene		5 U	4.9 U	4.8 U	4.8 U	4.6 U	4.6 U	0.9 U	1.7 U	0.8 U	0.9 U
1,4-Dichlorobenzene	4.3	5 U	4.9 U	4.8 U	4.8 U	4.6 U	4.6 U	--	--	--	--
2,2'-Oxybis (1-chloropropane)		20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U
2,3,4,6-Tetrachlorophenol		20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U
2,4,5-Trichlorophenol	1100	99 U	98 U	95 U	97 U	93 U	93 U	98 U	99 U	93 U	95 U
2,4,6-Trichlorophenol	100	99 U	98 U	95 U	97 U	93 U	93 U	98 U	99 U	93 U	95 U
2,4-Dichlorophenol	200	99 U	98 U	95 U	97 U	93 U	93 U	98 U	99 U	93 U	95 U
2,4-Dimethylphenol	20	25 U	24 U	24 UJ	24 UJ	23 UJ	23 UJ	25 U	25 U	23 UJ	24 U
2,4-Dinitrophenol	850	200 U	200 U	190 U	190 U	190 U	180 U	200 U	200 U	190 U	190 U
2,4-Dinitrotoluene	100	99 U	98 U	95 U	97 U	93 U	93 U	98 U	99 U	93 U	95 U
2,6-Dinitrotoluene		99 U	98 U	95 U	97 U	93 U	93 U	98 U	99 U	93 U	95 U
2-Chloronaphthalene		20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U
2-Chlorophenol	20	20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U
2-Methylphenol (o-Cresol)	10	5 U	4.9 U	**6.3**	4.8 U	4.6 U	4.6 U	4.9 U	4.9 U	4.7 U	4.8 U
2-Nitroaniline		99 U	98 U	95 U	97 U	93 U	93 U	98 U	99 U	93 U	95 U
2-Nitrophenol		20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U
3,3'-Dichlorobenzidine	150	99 UJ	98 UJ	95 UJ	97 UJ	93 UJ	93 UJ	98 UJ	99 UJ	93 UJ	95 UJ
3-Nitroaniline		99 U	98 U	95 U	97 U	93 U	93 U	98 U	99 U	93 U	95 U
4-Bromophenyl-phenyl ether		20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U
4-Chloro-3-methylphenol		99 U	98 U	95 U	97 U	93 U	93 U	98 U	99 U	93 U	95 U
4-Chloroaniline		99 U	98 U	95 U	97 U	93 U	93 U	98 UJ	99 UJ	93 UJ	95 UJ
4-Chlorophenyl phenyl ether		20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U
4-Methylphenol (p-Cresol)	270	**4.4 J**	**8.8**	**28**	**4.6 J**	4.6 U	**3 J**	**4.2 J**	**15**	4.7 U	4.8 U
4-Nitroaniline		99 U	98 U	95 U	97 U	93 U	93 U	98 U	99 U	93 U	95 U
4-Nitrophenol		99 U	98 U	95 U	97 U	93 U	93 U	98 U	99 U	93 U	95 U
Benzoic acid	400	200 U	200 U	**840**	**140 J**	190 U	180 U	**91 J**	**540**	190 U	190 U
Benzyl alcohol	57	20 UJ	20 UJ	19 U	19 U	19 U	18 U	--	--	--	--
bis(2-Chloroethoxy)methane		20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U
bis(2-Chloroethyl)ether	20	20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U
bis(2-Ethylhexyl)phthalate	330	50 U	49 U	48 U	48 U	46 U	46 U	49 U	49 U	47 U	48 U
Butylbenzyl phthalate	14	5 U	4.9 U	4.8 U	**7.8 J**	4.6 U	4.6 U	4.9 U	4.9 U	4.7 U	4.8 U
Diethyl phthalate	74	20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U
Dimethyl phthalate	1000	5 U	4.9 U	4.8 U	4.8 U	4.6 U	4.6 U	**3 J**	4.9 U	4.7 U	4.8 U
Di-n-butyl phthalate	20	20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		200 U	200 U	190 U	190 U	190 U	180 U	200 U	200 U	190 U	190 U
Di-n-octyl phthalate	1100	20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-21_1311	DSIP2-21_1311	DSIP2-22_1312	DSIP2-22_1312	DSIP2-22_1312	DSIP2-22_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312
	Depth	5 – 7 ft	7 – 9 ft	10 – 12 ft	2 – 4 ft	4 – 6 ft	7 – 9 ft	1.5 – 3 ft	10.5 – 12.5 ft	5 – 7 ft	5 – 7 ft
	Sample ID	DSIP2-21-5-7	DSIP2-21-7-9	DSIP2-22-10-12	DSIP2-22-2-4	DSIP2-22-4-6	DSIP2-22-7-9	DSIP2-23-1.5-3	DSIP2-23-10.5-12.5	DSIP2-23-5-7	DSIP2-73-5-7
	Sample Date	11/22/2013	11/22/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/2/2013	12/2/2013	12/2/2013	12/2/2013
	Sample Type	N	N	N	N	N	N	N	N	N	FD
	X	1267645.48	1267645.48	1267750.33	1267750.33	1267750.33	1267750.33	1267680.39	1267680.39	1267680.39	1267680.39
	Y	204478.29	204478.29	204629.75	204629.75	204629.75	204629.75	204601.37	204601.37	204601.37	204601.37
	Soil Screening Level										
Hexachlorobenzene	7.2	5 U	4.9 U	4.8 U	4.8 U	4.6 U	4.6 U	4.9 U	4.9 U	4.7 U	4.8 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	1000	99 U	98 U	95 U	97 U	93 U	93 U	98 U	99 U	93 UJ	95 U
Hexachloroethane	20	20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U
Isophorone	37	20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U
Nitrobenzene	41	20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U
n-Nitrosodi-n-propylamine	12	20 U	20 U	19 U	19 U	19 U	18 U	20 U	20 U	19 U	19 U
n-Nitrosodiphenylamine	20	5 U	4.9 U	4.8 U	4.8 U	4.6 U	4.6 U	4.9 U	4.9 U	4.7 U	4.8 U
Pentachlorophenol	50	20 U	20 U	19 UJ	**16 J**	19 UJ	18 UJ	20 UJ	20 UJ	19 UJ	19 UJ
Phenol	120	**14 J**	**17 J**	**270**	**57**	14 U	**14 J**	**9.8 J**	**97**	7.5 U	6.2 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-23_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311	DSIP2-26_1312
	Depth	7.5 – 9.5 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	8.5 – 10 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft	1 – 3 ft
	Sample ID	DSIP2-23-7.5-9.5	DSIP2-24-1-3	DSIP2-24-3.5-5.5	DSIP2-24-6-8	DSIP2-24-8.5-10	DSIP2-25-2-4	DSIP2-25-4-6	DSIP2-25-6-8	DSIP2-25-9-11	DSIP2-26-1-3
	Sample Date	12/2/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	12/3/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267680.39	1267794.30	1267794.30	1267794.30	1267794.30	1267844.52	1267844.52	1267844.52	1267844.52	1267925.30
	Y	204601.37	204566.47	204566.47	204566.47	204566.47	204565.36	204565.36	204565.36	204565.36	204539.02
	Soil Screening Level										
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene	5	4.9 U	--	4.9 U	4.9 U	--	4.9 U	5 U	5 U	4.8 U	4.7 U
1,2-Dichlorobenzene	3.7	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene		1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U	1.9 U
1,4-Dichlorobenzene	4.3	--	--	--	--	--	--	--	--	--	--
2,2'-Oxybis (1-chloropropane)		20 U	54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U
2,3,4,6-Tetrachlorophenol		20 U	54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U
2,4,5-Trichlorophenol	1100	98 U	270 U	97 U	99 U	290 U	98 U	100 U	100 U	96 U	94 U
2,4,6-Trichlorophenol	100	98 U	270 U	97 U	99 U	290 U	98 U	100 U	100 U	96 U	94 U
2,4-Dichlorophenol	200	98 U	270 U	97 U	99 U	290 U	98 U	100 U	100 U	96 U	94 U
2,4-Dimethylphenol	20	24 U	67 UJ	24 UJ	25 U	71 U	24 U	25 U	25 U	24 U	24 U
2,4-Dinitrophenol	850	200 U	540 U	200 U	200 U	570 U	200 U	200 U	200 U	190 U	190 U
2,4-Dinitrotoluene	100	98 U	270 U	97 U	99 U	290 U	98 U	100 U	100 U	96 U	94 U
2,6-Dinitrotoluene		98 U	270 U	97 U	99 U	290 U	98 U	100 U	100 U	96 U	94 U
2-Chloronaphthalene		20 U	54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U
2-Chlorophenol	20	20 U	54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U
2-Methylphenol (o-Cresol)	10	4.9 U	14 U	4.9 U	4.9 U	**26**	4.9 U	5 U	5 U	4.8 U	4.7 U
2-Nitroaniline		98 U	270 U	97 U	99 U	290 U	98 U	100 U	100 U	96 U	94 U
2-Nitrophenol		20 U	54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U
3,3'-Dichlorobenzidine	150	98 UJ	270 UJ	97 UJ	99 UJ	290 UJ	98 UJ	100 UJ	100 UJ	96 UJ	94 UJ
3-Nitroaniline		98 U	270 U	97 U	99 U	290 U	98 U	100 U	100 U	96 U	94 U
4-Bromophenyl-phenyl ether		20 U	54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U
4-Chloro-3-methylphenol		98 U	270 U	97 U	99 U	290 U	98 U	100 U	100 U	96 U	94 U
4-Chloroaniline		98 UJ	270 U	97 U	99 UJ	290 UJ	98 UJ	100 UJ	100 UJ	96 UJ	94 UJ
4-Chlorophenyl phenyl ether		20 U	54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U
4-Methylphenol (p-Cresol)	270	4.9 U	14 U	4.9 U	4.9 U	**100**	4.9 U	5 U	2.8 U	**43 J**	4.7 U
4-Nitroaniline		98 U	270 U	97 U	99 U	290 U	98 U	100 U	100 U	96 U	94 U
4-Nitrophenol		98 U	270 U	97 U	99 U	290 U	98 U	100 U	100 U	96 U	94 U
Benzoic acid	400	200 U	540 U	200 U	200 U	**1800**	200 U	200 U	200 U	**720**	190 U
Benzyl alcohol	57	--	54 U	20 U	20 U	57 U	20 U	20 U	**19 J**	19 U	19 U
bis(2-Chloroethoxy)methane		20 U	54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U
bis(2-Chloroethyl)ether	20	20 U	54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U
bis(2-Ethylhexyl)phthalate	330	49 U	140 U	49 U	49 U	140 U	49 U	**130**	50 U	48 U	47 U
Butylbenzyl phthalate	14	4.9 U	**36 J**	4.9 U	4.9 U	14 U	4.9 U	5 U	5 U	4.8 U	4.7 U
Diethyl phthalate	74	20 U	54 U	20 U	20 U	57 U	20 U	20 U	**27**	19 U	19 U
Dimethyl phthalate	1000	4.9 U	**10 J**	4.9 U	4.9 U	14 U	4.9 U	5 U	5 U	4.8 U	4.7 U
Di-n-butyl phthalate	20	20 U	54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		200 U	540 U	200 U	200 U	570 U	200 U	200 U	200 U	190 U	190 U
Di-n-octyl phthalate	1100	20 U	54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U

Table 7-5d
Soil Results: SVOCs

		Location ID	DSIP2-23_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311	DSIP2-26_1312
		Depth	7.5 – 9.5 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	8.5 – 10 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft	1 – 3 ft
		Sample ID	DSIP2-23-7.5-9.5	DSIP2-24-1-3	DSIP2-24-3.5-5.5	DSIP2-24-6-8	DSIP2-24-8.5-10	DSIP2-25-2-4	DSIP2-25-4-6	DSIP2-25-6-8	DSIP2-25-9-11	DSIP2-26-1-3
		Sample Date	12/2/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	12/3/2013
		Sample Type	N	N	N	N	N	N	N	N	N	N
		X	1267680.39	1267794.30	1267794.30	1267794.30	1267794.30	1267844.52	1267844.52	1267844.52	1267844.52	1267925.30
		Y	204601.37	204566.47	204566.47	204566.47	204566.47	204565.36	204565.36	204565.36	204565.36	204539.02
	Soil Screening Level											
Hexachlorobenzene	7.2		4.9 U	14 U	4.9 U	4.9 U	14 U	4.9 U	5 U	5 U	4.8 U	4.7 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4		--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	1000		98 U	270 U	97 U	99 U	290 U	98 U	100 U	100 U	96 U	94 U
Hexachloroethane	20		20 U	54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U
Isophorone	37		20 U	54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U
Nitrobenzene	41		20 U	54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U
n-Nitrosodi-n-propylamine	12		20 U	54 U	20 U	20 U	57 U	20 U	20 U	20 U	19 U	19 U
n-Nitrosodiphenylamine	20		4.9 U	14 U	4.9 U	4.9 U	14 U	4.9 U	5 U	5 U	4.8 U	4.7 U
Pentachlorophenol	50		20 UJ	54 UJ	20 UJ	20 UJ	57 UJ	20 U	20 U	20 U	19 U	19 UJ
Phenol	120		6 U	14 U	8 U	**7.3**	**1900 J**	8.2 U	8.5 U	15 U	**280**	**11**

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-26_1312	DSIP2-26_1312	DSIP2-26_1312	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312
	Depth	3 – 5 ft	5 – 7 ft	8.5 – 10 ft	1.5 – 3.5 ft	11 – 13 ft	5 – 7 ft	8 – 10 ft	1 – 3 ft	3 – 5 ft	5 – 6 ft
	Sample ID	DSIP2-26-3-5	DSIP2-26-5-7	DSIP2-26-8.5-10	DSIP2-27-1.5-3.5	DSIP2-27-11-13	DSIP2-27-5-7	DSIP2-27-8-10	DSIP2-28-1-3	DSIP2-28-3-5	DSIP2-28-5-6
	Sample Date	12/3/2013	12/3/2013	12/3/2013	11/20/2013	11/20/2013	11/20/2013	11/20/2013	12/2/2013	12/2/2013	12/2/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267925.30	1267925.30	1267925.30	1267800.30	1267800.30	1267800.30	1267800.30	1267985.36	1267985.36	1267985.36
	Y	204539.02	204539.02	204539.02	204380.32	204380.32	204380.32	204380.32	204392.42	204392.42	204392.42
	Soil Screening Level										
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene	5	4.9 U	4.7 U	--	--	4.8 U	--	4.7 U	--	60 U	4.9 U
1,2-Dichlorobenzene	3.7	--	--	--	--	--	--	**4.2 J**	--	--	--
1,3-Dichlorobenzene		1.7 U	1.1 U	2.5 U	1.1 UJ	2 U	0.8 U	1.4 U	0.7 U	52 U	1.4 U
1,4-Dichlorobenzene	4.3	--	**5.4**	--	--	--	--	**6.5**	--	--	--
2,2'-Oxybis (1-chloropropane)		20 U	19 U	57 U	59 U	19 U	20 U	19 U	130 U	240 U	20 U
2,3,4,6-Tetrachlorophenol		20 U	19 U	57 U	59 U	19 U	20 U	**18 J**	130 U	240 U	20 U
2,4,5-Trichlorophenol	1100	98 U	94 U	280 U	300 U	96 U	99 U	93 U	630 U	1200 U	98 U
2,4,6-Trichlorophenol	100	98 U	94 U	280 U	300 U	96 U	99 U	93 U	630 U	1200 U	98 U
2,4-Dichlorophenol	200	98 U	94 U	280 U	300 U	96 U	99 U	93 U	630 U	1200 U	98 U
2,4-Dimethylphenol	20	24 U	24 U	71 U	74 U	24 U	25 UJ	23 U	350 U	300 U	25 U
2,4-Dinitrophenol	850	200 U	190 U	570 U	590 U	190 U	200 UJ	190 U	1300 U	2400 U	200 U
2,4-Dinitrotoluene	100	98 U	94 U	280 U	300 U	96 U	99 U	93 U	630 U	1200 U	98 U
2,6-Dinitrotoluene		98 U	94 U	280 U	300 U	96 U	99 U	93 U	630 U	1200 U	98 U
2-Chloronaphthalene		20 U	19 U	57 U	59 U	19 U	20 U	19 U	130 U	240 U	20 U
2-Chlorophenol	20	20 U	19 U	**74**	59 U	19 U	20 U	19 U	130 U	240 U	20 U
2-Methylphenol (o-Cresol)	10	4.9 U	4.7 U	**52**	15 U	**9.5**	4.9 U	**3.6 J**	71 U	60 U	4.9 U
2-Nitroaniline		98 U	94 U	280 U	300 U	96 U	99 U	93 U	630 U	1200 U	98 U
2-Nitrophenol		20 U	19 U	57 U	59 U	19 U	20 U	19 U	130 U	240 U	20 U
3,3'-Dichlorobenzidine	150	98 UJ	94 UJ	280 UJ	300 UJ	96 UJ	99 UJ	93 UJ	630 UJ	1200 UJ	98 UJ
3-Nitroaniline		98 U	94 U	280 U	300 U	96 U	99 UJ	93 U	630 U	1200 U	98 U
4-Bromophenyl-phenyl ether		20 U	19 U	57 U	59 U	19 U	20 U	19 U	130 U	240 U	20 U
4-Chloro-3-methylphenol		98 U	94 U	280 U	300 U	96 U	99 U	93 U	630 U	1200 U	98 U
4-Chloroaniline		98 UJ	94 UJ	280 UJ	300 UJ	96 UJ	99 UJ	93 UJ	630 UJ	1200 UJ	98 UJ
4-Chlorophenyl phenyl ether		20 U	19 U	57 U	59 U	19 U	20 U	19 U	130 U	240 U	20 U
4-Methylphenol (p-Cresol)	270	4.9 U	4.7 U	**180**	15 U	**52**	**5.4**	**31**	**57 J**	**44 J**	**40**
4-Nitroaniline		98 U	94 U	280 U	300 U	96 U	99 UJ	93 U	630 U	1200 U	98 U
4-Nitrophenol		98 U	94 U	280 U	300 U	96 U	99 U	93 U	630 U	1200 U	98 U
Benzoic acid	400	200 U	190 U	**2100**	590 U	**830**	200 UJ	**200**	1300 U	2400 U	**370**
Benzyl alcohol	57	20 U	19 U	57 U	59 U	**58**	20 U	**33**	130 UJ	--	--
bis(2-Chloroethoxy)methane		20 U	19 U	57 U	59 U	19 U	20 U	19 U	130 U	240 U	20 U
bis(2-Chloroethyl)ether	20	20 U	19 U	57 U	59 U	19 U	20 U	19 U	130 U	240 U	20 U
bis(2-Ethylhexyl)phthalate	330	49 U	**35 J**	140 U	**100 J**	48 U	**41 J**	47 U	320 U	600 U	49 U
Butylbenzyl phthalate	14	4.9 U	**4.2 J**	14 U	**8.9 J**	**3.4 J**	**2.8 J**	**2.4 J**	**57 J**	**65**	4.9 U
Diethyl phthalate	74	20 U	19 U	57 U	59 U	**23**	**21**	19 U	130 U	240 U	20 U
Dimethyl phthalate	1000	4.9 U	4.7 U	14 U	15 U	4.8 U	4.9 U	4.7 U	71 U	60 U	4.9 U
Di-n-butyl phthalate	20	20 U	19 U	57 U	59 U	19 U	20 U	19 U	130 U	240 U	20 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		200 U	190 U	570 U	590 UJ	190 UJ	200 UJ	190 UJ	1300 U	2400 U	200 U
Di-n-octyl phthalate	1100	20 U	19 U	57 U	59 U	19 U	20 UJ	19 U	130 U	240 U	20 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-26_1312	DSIP2-26_1312	DSIP2-26_1312	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312
	Depth	3 – 5 ft	5 – 7 ft	8.5 – 10 ft	1.5 – 3.5 ft	11 – 13 ft	5 – 7 ft	8 – 10 ft	1 – 3 ft	3 – 5 ft	5 – 6 ft
	Sample ID	DSIP2-26-3-5	DSIP2-26-5-7	DSIP2-26-8.5-10	DSIP2-27-1.5-3.5	DSIP2-27-11-13	DSIP2-27-5-7	DSIP2-27-8-10	DSIP2-28-1-3	DSIP2-28-3-5	DSIP2-28-5-6
	Sample Date	12/3/2013	12/3/2013	12/3/2013	11/20/2013	11/20/2013	11/20/2013	11/20/2013	12/2/2013	12/2/2013	12/2/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267925.30	1267925.30	1267925.30	1267800.30	1267800.30	1267800.30	1267800.30	1267985.36	1267985.36	1267985.36
	Y	204539.02	204539.02	204539.02	204380.32	204380.32	204380.32	204380.32	204392.42	204392.42	204392.42
	Soil Screening Level										
Hexachlorobenzene	7.2	4.9 U	4.7 U	14 U	15 U	4.8 U	4.9 U	4.7 U	71 U	60 U	4.9 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	1000	98 U	94 U	280 U	300 UJ	96 UJ	**-- R**	93 UJ	630 U	1200 U	98 U
Hexachloroethane	20	20 U	19 U	57 U	59 U	19 U	20 U	19 U	130 U	240 U	20 U
Isophorone	37	20 U	19 U	57 U	59 U	19 U	20 U	19 U	130 U	240 U	20 U
Nitrobenzene	41	20 U	19 U	57 U	59 U	19 U	20 U	19 U	130 U	240 U	20 U
n-Nitrosodi-n-propylamine	12	20 U	19 U	57 U	59 U	19 U	20 U	19 U	130 U	240 U	20 U
n-Nitrosodiphenylamine	20	4.9 U	4.7 U	14 U	15 U	4.8 U	4.9 U	4.7 U	71 U	60 U	4.9 U
Pentachlorophenol	50	20 UJ	19 UJ	57 UJ	59 UJ	19 UJ	20 UJ	**14 J**	280 UJ	240 UJ	20 UJ
Phenol	120	**7.5**	**7.8**	**4900 J**	17 U	**200**	16 U	**180**	71 U	60 U	**25**

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-28_1312	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-30_1312	DSIP2-30_1312	DSIP2-30_1312	DSIP2-30_1312	DSIP2-31_1311	DSIP2-31_1311
	Depth	7 – 9 ft	1 – 3 ft	5 – 7 ft	8 – 10 ft	1.5 – 3.5 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft	2 – 4 ft	4 – 6 ft
	Sample ID	DSIP2-28-7-9	DSIP2-29-1-3	DSIP2-29-5-7	DSIP2-29-8-10	DSIP2-30-1.5-3.5	DSIP2-30-4-6	DSIP2-30-6-8	DSIP2-30-9-11	DSIP2-31-2-4	DSIP2-31-4-6
	Sample Date	12/2/2013	11/25/2013	11/25/2013	11/25/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	11/25/2013	11/25/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267985.36	1267967.58	1267967.58	1267967.58	1267741.83	1267741.83	1267741.83	1267741.83	1267814.19	1267814.19
	Y	204392.42	204223.52	204223.52	204223.52	204585.73	204585.73	204585.73	204585.73	204503.36	204503.36
	Soil Screening Level										
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene	5	4.8 U	4.7 U	--	5 U	--	4.6 U	4.7 U	4.9 U	--	4.7 U
1,2-Dichlorobenzene	3.7	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene		1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U	1 U
1,4-Dichlorobenzene	4.3	--	--	--	--	--	--	--	--	--	**5.3**
2,2'-Oxybis (1-chloropropane)		19 U	19 U	59 U	20 U	20 U	18 U	19 U	20 U	18 U	19 U
2,3,4,6-Tetrachlorophenol		19 U	19 U	59 U	20 U	20 U	18 U	19 U	20 U	18 U	19 U
2,4,5-Trichlorophenol	1100	97 U	94 U	290 U	99 U	98 U	93 U	94 U	98 U	92 U	95 U
2,4,6-Trichlorophenol	100	97 U	94 U	290 U	99 U	98 U	93 U	94 U	98 U	92 U	95 U
2,4-Dichlorophenol	200	97 U	94 U	290 U	99 U	98 U	93 U	94 U	98 U	92 U	95 U
2,4-Dimethylphenol	20	24 U	23 U	74 U	25 U	25 UJ	23 U	24 U	24 U	23 U	24 U
2,4-Dinitrophenol	850	190 U	190 U	590 U	200 U	200 U	180 U	190 U	200 U	180 U	190 U
2,4-Dinitrotoluene	100	97 U	94 U	290 U	99 U	98 U	93 U	94 U	98 U	92 U	95 U
2,6-Dinitrotoluene		97 U	94 U	290 U	99 U	98 U	93 U	94 U	98 U	92 U	95 U
2-Chloronaphthalene		19 U	19 U	59 U	20 U	20 U	18 U	19 U	20 U	18 U	19 U
2-Chlorophenol	20	19 U	19 U	59 U	20 U	20 U	18 U	19 U	20 U	18 U	19 U
2-Methylphenol (o-Cresol)	10	4.8 U	**3.1 J**	**8.8 J**	**6.6**	4.9 U	4.6 U	4.7 U	**6.4**	4.6 U	4.7 U
2-Nitroaniline		97 U	94 U	290 U	99 U	98 U	93 U	94 U	98 U	92 U	95 U
2-Nitrophenol		19 U	19 U	59 U	20 U	20 U	18 U	19 U	20 U	18 U	19 U
3,3'-Dichlorobenzidine	150	97 UJ	94 UJ	290 UJ	99 UJ	98 UJ	93 UJ	94 UJ	98 UJ	92 UJ	95 UJ
3-Nitroaniline		97 U	94 U	290 U	99 U	98 U	93 U	94 U	98 U	92 U	95 U
4-Bromophenyl-phenyl ether		19 U	19 U	59 U	20 U	20 U	18 U	19 U	20 U	18 U	19 U
4-Chloro-3-methylphenol		97 U	94 U	290 U	99 U	98 U	93 U	94 U	98 U	92 U	95 U
4-Chloroaniline		97 UJ	94 U	290 U	99 U	98 UJ	93 UJ	94 UJ	98 UJ	92 U	95 U
4-Chlorophenyl phenyl ether		19 U	19 U	59 U	20 U	20 U	18 U	19 U	20 U	18 U	19 U
4-Methylphenol (p-Cresol)	270	**4.3 J**	**16 J**	**53 J**	**39 J**	4.9 U	4.6 U	4.7 U	**120**	4.6 U	4.7 U
4-Nitroaniline		97 U	94 U	290 U	99 U	98 U	93 U	94 U	98 U	92 U	95 U
4-Nitrophenol		97 U	94 U	290 U	99 U	98 U	93 U	94 U	98 U	92 U	95 U
Benzoic acid	400	**290**	190 U	**1200**	**400**	200 UJ	180 U	190 U	**630**	180 U	190 U
Benzyl alcohol	57	--	19 U	**90**	**48**	20 U	18 U	19 U	20 U	18 U	19 U
bis(2-Chloroethoxy)methane		19 U	19 U	59 U	20 U	20 U	18 U	19 U	20 U	18 U	19 U
bis(2-Chloroethyl)ether	20	19 U	19 U	59 U	20 U	20 U	18 U	19 U	20 U	18 U	19 U
bis(2-Ethylhexyl)phthalate	330	48 U	47 U	150 U	50 U	49 U	46 U	47 U	49 U	**58**	47 U
Butylbenzyl phthalate	14	4.8 U	4.7 U	15 U	5 U	**6.9**	4.6 U	4.7 U	4.9 U	4.6 U	4.7 U
Diethyl phthalate	74	19 U	**24**	59 U	**18 J**	20 U	18 U	19 U	20 U	18 U	**37**
Dimethyl phthalate	1000	**6.8**	4.7 U	15 U	**15 J**	4.9 U	4.6 U	4.7 U	**15**	**2.8 J**	4.7 U
Di-n-butyl phthalate	20	19 U	19 U	**38 J**	**26**	20 U	18 U	19 U	20 U	**37**	**49**
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		190 U	190 U	590 U	200 U	200 U	180 U	190 U	200 U	180 U	190 U
Di-n-octyl phthalate	1100	19 U	19 U	59 U	20 U	20 U	18 U	19 U	20 U	18 U	19 U

Table 7-5d
Soil Results: SVOCs

		Location ID	DSIP2-28_1312	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-30_1312	DSIP2-30_1312	DSIP2-30_1312	DSIP2-30_1312	DSIP2-31_1311	DSIP2-31_1311
		Depth	7 – 9 ft	1 – 3 ft	5 – 7 ft	8 – 10 ft	1.5 – 3.5 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft	2 – 4 ft	4 – 6 ft
		Sample ID	DSIP2-28-7-9	DSIP2-29-1-3	DSIP2-29-5-7	DSIP2-29-8-10	DSIP2-30-1.5-3.5	DSIP2-30-4-6	DSIP2-30-6-8	DSIP2-30-9-11	DSIP2-31-2-4	DSIP2-31-4-6
		Sample Date	12/2/2013	11/25/2013	11/25/2013	11/25/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	11/25/2013	11/25/2013
		Sample Type	N	N	N	N	N	N	N	N	N	N
		X	1267985.36	1267967.58	1267967.58	1267967.58	1267741.83	1267741.83	1267741.83	1267741.83	1267814.19	1267814.19
		Y	204392.42	204223.52	204223.52	204223.52	204585.73	204585.73	204585.73	204585.73	204503.36	204503.36
	Soil Screening Level											
Hexachlorobenzene	7.2		4.8 U	**2.4 J**	15 U	5 U	4.9 U	4.6 U	4.7 U	4.9 U	4.6 U	4.7 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4		--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	1000		97 U	94 U	290 U	99 U	98 U	93 U	94 U	98 U	92 U	95 U
Hexachloroethane	20		19 U	19 U	59 U	20 U	20 U	18 U	19 U	20 U	18 U	19 U
Isophorone	37		19 U	19 U	59 U	20 U	20 U	18 U	19 U	20 U	18 U	19 U
Nitrobenzene	41		19 U	19 U	59 U	20 U	20 U	18 U	19 U	20 U	18 U	19 U
n-Nitrosodi-n-propylamine	12		19 U	19 U	59 U	20 U	20 U	18 U	19 U	20 U	18 U	19 U
n-Nitrosodiphenylamine	20		4.8 U	4.7 U	15 U	5 U	4.9 U	4.6 U	4.7 U	4.9 U	4.6 U	4.7 U
Pentachlorophenol	50		19 UJ	**470**	**82**	**27**	20 UJ	18 UJ	19 UJ	20 UJ	**98**	**48**
Phenol	120		**17 J**	24 U	150 U	**270 J**	**7.7**	**16**	**4.6 J**	**190**	16 U	12 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-31_1311	DSIP2-31_1311	DSIP2-ST-04	DSIP2-ST-04	DSIP2-UST-03	DSIP2-UST-03
	Depth	6 – 8 ft	8.5 – 10 ft	5 – 7 ft	5.5 – 7 ft	3.5 – 5.5 ft	3.5 – 5.5 ft
	Sample ID	DSIP2-31-6-8	DSIP2-31-8.5-10	DSIP2-ST-04-5-7	DSIP2-ST-04-5.5-7	DSIP2-UST-03-3.5-5.5	DSIP2-UST-53-3.5-5.5
	Sample Date	11/25/2013	11/25/2013	10/17/2013	10/17/2013	10/18/2013	10/18/2013
	Sample Type	N	N	N	N	N	FD
	X	1267814.19	1267814.19	1267830.37	1267830.37	1267578.26	1267578.26
	Y	204503.36	204503.36	204353.91	204353.91	204590.12	204590.12
	Soil Screening Level						
Semivolatile Organics (µg/kg)							
1,2,4-Trichlorobenzene	5	4.6 U	4.8 U	4.6 U	**4 J**	4.9 U	5 U
1,2-Dichlorobenzene	3.7	--	--	**3 J**	--	--	--
1,3-Dichlorobenzene		1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,4-Dichlorobenzene	4.3	--	--	**21**	**120**	--	--
2,2'-Oxybis (1-chloropropane)		19 U	19 U	18 U	18 U	20 U	20 U
2,3,4,6-Tetrachlorophenol		19 U	19 U	18 U	18 U	20 U	20 U
2,4,5-Trichlorophenol	1100	93 U	96 U	91 U	90 U	98 U	99 U
2,4,6-Trichlorophenol	100	93 U	96 U	91 U	90 U	98 U	99 U
2,4-Dichlorophenol	200	93 U	96 U	91 U	90 U	98 U	99 U
2,4-Dimethylphenol	20	23 U	24 U	23 U	**9.6 J**	24 U	25 U
2,4-Dinitrophenol	850	190 U	190 U	180 UJ	180 U	200 U	200 U
2,4-Dinitrotoluene	100	93 U	96 U	91 U	90 U	98 U	99 U
2,6-Dinitrotoluene		93 U	96 U	91 U	90 U	98 U	99 U
2-Chloronaphthalene		19 U	19 U	18 U	18 U	20 U	20 U
2-Chlorophenol	20	19 U	19 U	18 U	18 U	20 U	20 U
2-Methylphenol (o-Cresol)	10	4.6 U	**4.6 J**	**2.7 J**	**4.7**	4.9 U	5 U
2-Nitroaniline		93 U	96 U	91 U	90 U	98 U	99 U
2-Nitrophenol		19 U	19 U	18 U	18 U	20 U	20 U
3,3'-Dichlorobenzidine	150	93 UJ	96 UJ	**-- R**	**-- R**	**-- R**	**-- R**
3-Nitroaniline		93 U	96 U	91 UJ	90 U	98 U	99 U
4-Bromophenyl-phenyl ether		19 U	19 U	18 U	18 U	20 U	20 U
4-Chloro-3-methylphenol		93 U	96 U	91 U	90 U	98 U	99 U
4-Chloroaniline		93 U	96 U	91 UJ	90 UJ	98 UJ	99 UJ
4-Chlorophenyl phenyl ether		19 U	19 U	18 U	18 U	20 U	20 U
4-Methylphenol (p-Cresol)	270	**20**	**14**	**16**	**30**	4.9 U	5 U
4-Nitroaniline		93 U	96 U	91 UJ	90 U	98 U	99 U
4-Nitrophenol		93 U	96 U	91 U	90 U	98 U	99 U
Benzoic acid	400	**130 J**	**830**	180 U	180 U	200 U	200 U
Benzyl alcohol	57	**34**	**35**	18 U	18 U	20 U	20 U
bis(2-Chloroethoxy)methane		19 U	19 U	18 U	18 U	20 U	20 U
bis(2-Chloroethyl)ether	20	19 U	19 U	18 U	18 U	20 U	20 U
bis(2-Ethylhexyl)phthalate	330	**28 J**	48 U	**68 J**	45 U	49 U	50 U
Butylbenzyl phthalate	14	**8.1 J**	4.8 U	4.6 U	4.5 U	4.9 U	5 U
Diethyl phthalate	74	19 U	19 U	18 U	18 U	**26**	**38**
Dimethyl phthalate	1000	4.6 U	4.8 U	**5.5**	4.5 U	4.9 U	5 U
Di-n-butyl phthalate	20	**38**	**12 J**	18 U	18 U	20 U	20 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		190 U	190 U	180 U	180 U	200 U	200 U
Di-n-octyl phthalate	1100	19 U	19 U	**10 J**	18 U	20 U	20 U

Table 7-5d
Soil Results: SVOCs

	Location ID	DSIP2-31_1311	DSIP2-31_1311	DSIP2-ST-04	DSIP2-ST-04	DSIP2-UST-03	DSIP2-UST-03
	Depth	6 – 8 ft	8.5 – 10 ft	5 – 7 ft	5.5 – 7 ft	3.5 – 5.5 ft	3.5 – 5.5 ft
	Sample ID	DSIP2-31-6-8	DSIP2-31-8.5-10	DSIP2-ST-04-5-7	DSIP2-ST-04-5.5-7	DSIP2-UST-03-3.5-5.5	DSIP2-UST-53-3.5-5.5
	Sample Date	11/25/2013	11/25/2013	10/17/2013	10/17/2013	10/18/2013	10/18/2013
	Sample Type	N	N	N	N	N	FD
	X	1267814.19	1267814.19	1267830.37	1267830.37	1267578.26	1267578.26
	Y	204503.36	204503.36	204353.91	204353.91	204590.12	204590.12
	Soil Screening Level						
Hexachlorobenzene	7.2	4.6 U	4.8 U	**5.6**	4.5 U	4.9 U	5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	--	--	--	--	--	--
Hexachlorocyclopentadiene	1000	93 U	96 U	91 UJ	90 UJ	98 UJ	99 UJ
Hexachloroethane	20	19 U	19 U	18 U	18 U	20 U	20 U
Isophorone	37	19 U	19 U	18 U	18 U	20 U	20 U
Nitrobenzene	41	19 U	19 U	18 U	18 U	20 U	20 U
n-Nitrosodi-n-propylamine	12	19 U	19 U	18 U	18 U	20 U	20 U
n-Nitrosodiphenylamine	20	4.6 U	4.8 U	4.6 U	4.5 U	4.9 U	5 U
Pentachlorophenol	50	19 U	19 U	**34 J**	**15 J**	20 UJ	20 UJ
Phenol	120	26 U	**120 J**	**16 J**	**45**	4.9 U	5 U

Table 7-5d
Soil Results: SVOCs

Notes:
Detected concentration is greater than the soil screening level
Non-detected concentration is above the soil screening level
Bold = Detected result
-- = not analyzed
µg/kg = micrograms per kilogram
FD = field duplicate
ft = foot
J = estimated value
N = normal sample
R = rejected
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit

Table 7-5e
Soil Results: VOCs

	Location ID	DSI-01	DSI-01	DSI-02	DSI-02	DSI-03	DSI-03	DSI-04	DSI-04	DSI-05	DSI-05	DSI-06	DSI-06
	Depth	0 – 3 ft	4 – 6 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	5 – 6.5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	4 – 6 ft
	Sample ID	DSI01-SO-A	DSI01-SO-B	DSI02-SO-A	DSI02-SO-B	DSI03-SO-A	DSI03-SO-B	DSI04-SO-A	DSI04-SO-B	DSI05-SO-A	DSI05-SO-B	DSI06-SO-A	DSI06-SO-B
	Sample Date	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267483.65	1267483.65	1267482.28	1267482.28	1267538.20	1267538.20	1267677.30	1267677.30	1267664.49	1267664.49	1267832.57	1267832.57
	Y	204362.38	204362.38	204484.72	204484.72	204614.54	204614.54	204577.53	204577.53	204414.79	204414.79	204403.48	204403.48
	Soil Screening Level												
Volatile Organics (µg/kg)													
1,1,1,2-Tetrachloroethane		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	93 U	1.1 U
1,1,1-Trichloroethane	21000	**13**	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
1,1,2,2-Tetrachloroethane	1	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	93 U	1.1 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	1	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
1,1-Dichloroethane		**10**	**7.9**	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
1,1-Dichloroethene	1.1	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
1,1-Dichloropropene		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
1,2,3-Trichlorobenzene		4.6 U	5.6 U	4.8 U	5.2 U	5.2 U	4.6 U	6.5 U	5.6 U	6.4 UJ	6.4 U	470 U	5.5 U
1,2,3-Trichloropropane		1.8 U	2.2 U	1.9 U	2.1 U	2.1 U	1.8 U	2.6 U	2.2 U	2.5 UJ	2.6 U	190 U	2.2 U
1,2,4-Trichlorobenzene	5	4.6 U	5.6 U	4.8 U	5.2 U	5.2 U	4.6 U	6.5 U	5.6 U	6.4 UJ	6.4 U	470 U	5.5 U
1,2,4-Trimethylbenzene		0.9 U	1.1 U	**3.8**	**100**	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	**120**	1.1 U
1,2-Dibromo-3-chloropropane		4.6 U	5.6 U	4.8 U	5.2 U	5.2 U	4.6 U	6.5 U	5.6 U	6.4 UJ	6.4 U	470 U	5.5 U
1,2-Dichlorobenzene	3.7	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	93 U	1.1 U
1,2-Dichloroethane	19	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
1,2-Dichloroethene, cis-		0.9 U	**2.2**	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
1,2-Dichloroethene, trans-	320	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
1,2-Dichloropropane	1	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
1,3,5-Trimethylbenzene (Mesitylene)		0.9 U	1.1 U	**1.2**	**39**	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	93 U	1.1 U
1,3-Dichloropropane		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
1,3-Dichloropropene, cis-		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
1,3-Dichloropropene, trans-		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
1,4-Dichloro-2-butene, trans-		--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	4.3	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	93 U	1.1 U
2,2-Dichloropropane		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
2-Chloroethylvinyl ether		--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	93 U	1.1 U
2-Hexanone (Methyl butyl ketone)		4.6 U	5.6 U	4.8 U	5.2 U	5.2 U	4.6 U	6.5 U	5.6 U	6.4 U	6.4 U	470 U	5.5 U
4-Chlorotoluene		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	93 U	1.1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		4.6 U	5.6 U	4.8 U	5.2 U	5.2 U	4.6 U	6.5 U	5.6 U	6.4 U	6.4 U	470 U	5.5 U
Acetone		**77**	**70**	**83**	**160**	**85**	41 U	**66**	29 U	51 U	**90**	**6500**	**92**
Acrolein		--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile		--	--	--	--	--	--	--	--	--	--	--	--
Benzene	1	0.9 U	**1.2**	1 U	**2**	1 U	0.9 U	**1.6**	1.1 U	**1.8**	1.3 U	**260**	**1.7**
Bromobenzene		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	93 U	1.1 U
Bromochloromethane		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Bromodichloromethane	1	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Bromoform (Tribromomethane)	5	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	93 U	1.1 U

Table 7-5e
Soil Results: VOCs

	Location ID	DSI-01	DSI-01	DSI-02	DSI-02	DSI-03	DSI-03	DSI-04	DSI-04	DSI-05	DSI-05	DSI-06	DSI-06
	Depth	0 – 3 ft	4 – 6 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	5 – 6.5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	4 – 6 ft
	Sample ID	DSI01-SO-A	DSI01-SO-B	DSI02-SO-A	DSI02-SO-B	DSI03-SO-A	DSI03-SO-B	DSI04-SO-A	DSI04-SO-B	DSI05-SO-A	DSI05-SO-B	DSI06-SO-A	DSI06-SO-B
	Sample Date	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267483.65	1267483.65	1267482.28	1267482.28	1267538.20	1267538.20	1267677.30	1267677.30	1267664.49	1267664.49	1267832.57	1267832.57
	Y	204362.38	204362.38	204484.72	204484.72	204614.54	204614.54	204577.53	204577.53	204414.79	204414.79	204403.48	204403.48
	Soil Screening Level												
Bromomethane (Methyl bromide)	78	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Carbon disulfide		**1.8**	**11**	**1.2**	**4.9**	**1.4**	**1.2**	**8.6**	1.1 U	1.3 U	**17**	93 U	**30**
Carbon tetrachloride (Tetrachloromethane)	1	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Chlorobenzene	100	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane		**1.5**	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Chloroform	5.2	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Chloromethane		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Cymene, p- (4-Isopropyltoluene)		0.9 U	1.1 U	1 U	**6**	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	93 U	1.1 U
Dibromochloromethane	1	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Dibromomethane		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Dichlorodifluoromethane		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Dichloromethane (Methylene chloride)	30	2.1 U	2.6 U	1.9 U	2.1 U	2.1 U	1.8 U	2.6 U	2.2 U	2.5 U	2.6 U	190 U	2.5 U
Ethyl bromide (Bromoethane)		--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	15	0.9 U	1.1 U	1 U	**6**	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Ethylene dibromide (1,2-Dibromoethane)		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)		0.9 U	1.1 U	1 U	**19**	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	93 U	1.1 U
m,p-Xylene		0.9 U	1.1 U	**3.6**	**47**	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	**290**	**1.5**
Methyl ethyl ketone (2-Butanone)		**11**	**12**	**5.2**	**18**	**11**	**5.2**	**9.2**	5.6 U	6.4 U	**10**	**780**	**13**
Methyl iodide (Iodomethane)		--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Naphthalene	120	--	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene		0.9 U	1.1 U	1 U	**4.4**	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	93 U	1.1 U
n-Propylbenzene		0.9 U	1.1 U	1 U	**9.9**	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	93 U	1.1 U
o-Xylene		0.9 U	1.1 U	**1.8**	**26**	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	**100**	1.1 U
sec-Butylbenzene		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	93 U	1.1 U
Styrene		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
tert-Butylbenzene		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 UJ	1.3 U	93 U	1.1 U
Tetrachloroethene (PCE)	1.6	**3.7**	**1.3**	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Toluene	55	0.9 U	1.1 U	**1.8**	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Trichloroethene (TCE)	1	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Trichlorofluoromethane (Fluorotrichloromethane)		0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U
Vinyl acetate		--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	1	0.9 U	1.1 U	1 U	1 U	1 U	0.9 U	1.3 U	1.1 U	1.3 U	1.3 U	93 U	1.1 U

Table 7-5e
Soil Results: VOCs

	Location ID	DSI-07	DSI-07	DSI-08	DSI-08	DSI-09	DSI-09	DSI-10	DSI-10	DSI-11	DSI-11	DSI-12	DSI-12
	Depth	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft
	Sample ID	DSI07-SO-A	DSI07-SO-B	DSI08-SO-A	DSI08-SO-B	DSI09-SO-A	DSI09-SO-B	DSI10-SO-A	DSI10-SO-B	DSI11-SO-A	DSI11-SO-B	DSI12-SO-A	DSI12-SO-B
	Sample Date	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267843.29	1267843.29	1267815.08	1267815.08	1267972.09	1267972.09	1267928.64	1267928.64	1267970.43	1267970.43	1267970.42	1267970.42
	Y	204440.17	204440.17	204599.08	204599.08	204599.10	204599.10	204456.02	204456.02	204358.81	204358.81	204269.04	204269.04
	Soil Screening Level												
Volatile Organics (µg/kg)													
1,1,1,2-Tetrachloroethane		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,1,1-Trichloroethane	21000	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,1,2,2-Tetrachloroethane	1	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	1	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,1-Dichloroethane		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,1-Dichloroethene	1.1	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,1-Dichloropropene		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,2,3-Trichlorobenzene		6.1 U	6.2 U	6.4 U	5.7 U	5.2 U	5 UJ	6 U	5.1 U	5.6 U	5.3 U	4.9 U	5.4 U
1,2,3-Trichloropropane		2.4 U	2.5 U	2.6 U	2.3 U	2.1 U	2 UJ	2.4 U	2 U	2.2 U	2.1 U	2 U	2.2 U
1,2,4-Trichlorobenzene	5	6.1 U	6.2 U	6.4 U	5.7 U	5.2 U	5 UJ	6 U	5.1 U	5.6 U	5.3 U	4.9 U	5.4 U
1,2,4-Trimethylbenzene		**3200**	**51**	1.3 U	1.2 U	1 U	**1.4 J**	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,2-Dibromo-3-chloropropane		6.1 U	6.2 U	6.4 U	5.7 U	5.2 U	5 UJ	6 U	5.1 U	5.6 U	5.3 U	4.9 U	5.4 U
1,2-Dichlorobenzene	3.7	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,2-Dichloroethane	19	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,2-Dichloroethene, cis-		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,2-Dichloroethene, trans-	320	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,2-Dichloropropane	1	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,3,5-Trimethylbenzene (Mesitylene)		**80**	**15**	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,3-Dichloropropane		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,3-Dichloropropene, cis-		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,3-Dichloropropene, trans-		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1,4-Dichloro-2-butene, trans-		--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	4.3	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
2,2-Dichloropropane		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
2-Chloroethylvinyl ether		--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
2-Hexanone (Methyl butyl ketone)		6.1 U	6.2 U	6.4 U	5.7 U	5.2 U	5 UJ	6 U	5.1 U	5.6 U	5.3 U	4.9 U	5.4 U
4-Chlorotoluene		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		6.1 U	6.2 U	6.4 U	5.7 U	5.2 U	5 U	6 U	5.1 U	5.6 U	5.3 U	4.9 U	5.4 U
Acetone		6.1 U	**110**	**62**	**49**	**100**	**55**	**55**	35 U	**96**	**70**	**57**	**45**
Acrolein		--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile		--	--	--	--	--	--	--	--	--	--	--	--
Benzene	1	**50**	**6**	1.3 U	1.2 U	**1**	**1.3**	1.2 U	1 U	**2.3**	1.1 U	**1.4**	**3**
Bromobenzene		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Bromochloromethane		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Bromodichloromethane	1	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Bromoform (Tribromomethane)	5	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U

Table 7-5e
Soil Results: VOCs

	Location ID	DSI-07	DSI-07	DSI-08	DSI-08	DSI-09	DSI-09	DSI-10	DSI-10	DSI-11	DSI-11	DSI-12	DSI-12
	Depth	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft
	Sample ID	DSI07-SO-A	DSI07-SO-B	DSI08-SO-A	DSI08-SO-B	DSI09-SO-A	DSI09-SO-B	DSI10-SO-A	DSI10-SO-B	DSI11-SO-A	DSI11-SO-B	DSI12-SO-A	DSI12-SO-B
	Sample Date	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267843.29	1267843.29	1267815.08	1267815.08	1267972.09	1267972.09	1267928.64	1267928.64	1267970.43	1267970.43	1267970.42	1267970.42
	Y	204440.17	204440.17	204599.08	204599.08	204599.10	204599.10	204456.02	204456.02	204358.81	204358.81	204269.04	204269.04
	Soil Screening Level												
Bromomethane (Methyl bromide)	78	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Carbon disulfide		**3.3**	**10**	1.3 U	1.2 U	1 U	**1.6**	1.2 U	**1**	**1.9**	**15**	1 U	1.1 U
Carbon tetrachloride (Tetrachloromethane)	1	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Chlorobenzene	100	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Chloroform	5.2	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Chloromethane		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Cymene, p- (4-Isopropyltoluene)		1.2 U	**1.3**	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Dibromochloromethane	1	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Dibromomethane		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Dichlorodifluoromethane		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Dichloromethane (Methylene chloride)	30	**2.6**	2.5 U	**2.8**	2.3 U	2.1 U	2 U	2.4 U	**2.3**	2.2 U	2.1 U	2 U	2.2 U
Ethyl bromide (Bromoethane)		--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	15	**60**	**7.4**	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Ethylene dibromide (1,2-Dibromoethane)		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)		**34**	**5**	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
m,p-Xylene		**160**	**13**	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Methyl ethyl ketone (2-Butanone)		**27**	**16**	**6.6**	5.7 U	**10**	5 U	**6.5**	5.1 U	**12**	**9.4**	**5.6**	5.4 U
Methyl iodide (Iodomethane)		--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Naphthalene	120	**69**	**47**	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene		**22**	**20**	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
n-Propylbenzene		**120**	**28**	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
o-Xylene		**5.1**	1.2 U	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
sec-Butylbenzene		1.2 U	**5.4**	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Styrene		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
tert-Butylbenzene		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Tetrachloroethene (PCE)	1.6	1.2 U	1.2 U	**3.6**	**1.4**	1 U	1 UJ	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Toluene	55	**5.5**	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	**3.4**
Trichloroethene (TCE)	1	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Trichlorofluoromethane (Fluorotrichloromethane)		1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Vinyl acetate		--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	1	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1 U	1.1 U

Table 7-5e
Soil Results: VOCs

	Location ID	DSI-GP-04	DSI-GP-04	DSI-GP-09	DSI-GP-10	DSI-GP-10	DSI-GP-11	DSI-GP-11	DSIP2-01_1311	DSIP2-01_1311
	Depth	2.5 – 4.5 ft	5.5 – 7.5 ft	6 – 8 ft	2 – 4 ft	5.5 – 7.5 ft	1 – 3.5 ft	5 – 7.5 ft	2.5 – 4.5 ft	5 – 7 ft
	Sample ID	DSI-GP-04-2.5-4.5	DSI-GP-04-5.5-7.5	DSI-GP-09-6-8	DSI-GP-10-2-4	DSI-GP-10-5.5-7.5	DSI-GP-11-1-3.5	DSI-GP-11-5-7.5	DSIP2-01-2.5-4.5	DSIP2-01-5-7
	Sample Date	7/15/2009	7/15/2009	7/16/2009	7/16/2009	7/16/2009	7/14/2009	7/14/2009	11/22/2013	11/22/2013
	Sample Type	N	N	N	N	N	N	N	N	N
	X	1267562.47	1267562.47	1267877.01	1267792.87	1267792.87	1267873.09	1267873.09	1267569.74	1267569.74
	Y	204594.78	204594.78	204409.65	204451.34	204451.34	204484.40	204484.40	204573.92	204573.92
	Soil Screening Level									
Volatile Organics (µg/kg)										
1,1,1,2-Tetrachloroethane		--	--	--	--	--	--	--	1.4 U	1.3 U
1,1,1-Trichloroethane	21000	--	--	--	--	--	--	--	1.4 U	1.3 U
1,1,2,2-Tetrachloroethane	1	--	--	--	--	--	--	--	1.4 U	1.3 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		--	--	--	--	--	--	--	2.7 U	2.6 U
1,1,2-Trichloroethane	1	--	--	--	--	--	--	--	1.4 U	1.3 U
1,1-Dichloroethane		--	--	--	--	--	--	--	1.4 U	1.3 U
1,1-Dichloroethene	1.1	--	--	--	--	--	--	--	1.4 U	1.3 U
1,1-Dichloropropene		--	--	--	--	--	--	--	1.4 U	1.3 U
1,2,3-Trichlorobenzene		--	--	--	--	--	--	--	6.8 U	6.4 U
1,2,3-Trichloropropane		--	--	--	--	--	--	--	2.7 U	2.6 U
1,2,4-Trichlorobenzene	5	--	--	--	--	--	--	--	6.8 U	--
1,2,4-Trimethylbenzene		--	--	--	--	--	--	--	1.4 U	1.3 U
1,2-Dibromo-3-chloropropane		--	--	--	--	--	--	--	6.8 U	6.4 U
1,2-Dichlorobenzene	3.7	--	--	--	--	--	--	--	1.4 U	1.3 U
1,2-Dichloroethane	19	--	--	--	--	--	--	--	1.4 U	1.3 U
1,2-Dichloroethene, cis-		--	--	--	--	--	--	--	1.4 U	1.3 U
1,2-Dichloroethene, trans-	320	--	--	--	--	--	--	--	1.4 U	1.3 U
1,2-Dichloropropane	1	--	--	--	--	--	--	--	1.4 U	1.3 U
1,3,5-Trimethylbenzene (Mesitylene)		--	--	--	--	--	--	--	1.4 U	1.3 U
1,3-Dichloropropane		--	--	--	--	--	--	--	1.4 U	1.3 U
1,3-Dichloropropene, cis-		--	--	--	--	--	--	--	1.4 U	1.3 U
1,3-Dichloropropene, trans-		--	--	--	--	--	--	--	1.4 U	1.3 U
1,4-Dichloro-2-butene, trans-		--	--	--	--	--	--	--	6.8 UJ	6.4 U
1,4-Dichlorobenzene	4.3	--	--	--	--	--	--	--	1.4 U	1.3 U
2,2-Dichloropropane		--	--	--	--	--	--	--	1.4 U	1.3 U
2-Chloroethylvinyl ether		--	--	--	--	--	--	--	6.8 UJ	6.4 U
2-Chlorotoluene		--	--	--	--	--	--	--	1.4 U	1.3 U
2-Hexanone (Methyl butyl ketone)		--	--	--	--	--	--	--	6.8 U	6.4 U
4-Chlorotoluene		--	--	--	--	--	--	--	1.4 U	1.3 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		--	--	--	--	--	--	--	6.8 U	6.4 U
Acetone		--	--	--	--	--	--	--	**140 J**	**23 J**
Acrolein		--	--	--	--	--	--	--	68 U	64 U
Acrylonitrile		--	--	--	--	--	--	--	6.8 U	6.4 U
Benzene	1	1600 U	1200 U	1200 U	**19 J**	1.3 U	**2.2**	1.1 U	**3**	1.2 U
Bromobenzene		--	--	--	--	--	--	--	1.4 U	1.3 U
Bromochloromethane		--	--	--	--	--	--	--	1.4 U	1.3 U
Bromodichloromethane	1	--	--	--	--	--	--	--	1.4 U	1.3 U
Bromoform (Tribromomethane)	5	--	--	--	--	--	--	--	1.4 U	1.3 U

Table 7-5e
Soil Results: VOCs

		Location ID	DSI-GP-04	DSI-GP-04	DSI-GP-09	DSI-GP-10	DSI-GP-10	DSI-GP-11	DSI-GP-11	DSIP2-01_1311	DSIP2-01_1311
		Depth	2.5 – 4.5 ft	5.5 – 7.5 ft	6 – 8 ft	2 – 4 ft	5.5 – 7.5 ft	1 – 3.5 ft	5 – 7.5 ft	2.5 – 4.5 ft	5 – 7 ft
		Sample ID	DSI-GP-04-2.5-4.5	DSI-GP-04-5.5-7.5	DSI-GP-09-6-8	DSI-GP-10-2-4	DSI-GP-10-5.5-7.5	DSI-GP-11-1-3.5	DSI-GP-11-5-7.5	DSIP2-01-2.5-4.5	DSIP2-01-5-7
		Sample Date	7/15/2009	7/15/2009	7/16/2009	7/16/2009	7/16/2009	7/14/2009	7/14/2009	11/22/2013	11/22/2013
		Sample Type	N	N	N	N	N	N	N	N	N
		X	1267562.47	1267562.47	1267877.01	1267792.87	1267792.87	1267873.09	1267873.09	1267569.74	1267569.74
		Y	204594.78	204594.78	204409.65	204451.34	204451.34	204484.40	204484.40	204573.92	204573.92
	Soil Screening Level										
Bromomethane (Methyl bromide)	78	--	--	--	--	--	--	--	1.4 UJ	**3.5**
Carbon disulfide		--	--	--	--	--	--	--	**10**	**19**
Carbon tetrachloride (Tetrachloromethane)	1	--	--	--	--	--	--	--	1.4 U	1.3 U
Chlorobenzene	100	--	--	--	--	--	--	--	1.4 U	1.3 U
Chloroethane		--	--	--	--	--	--	--	1.4 U	1.3 U
Chloroform	5.2	--	--	--	--	--	--	--	1.4 U	1.3 U
Chloromethane		--	--	--	--	--	--	--	1.4 U	1.3 U
Cymene, p- (4-Isopropyltoluene)		--	--	--	--	--	--	--	1.4 U	1.3 U
Dibromochloromethane	1	--	--	--	--	--	--	--	1.4 U	1.3 U
Dibromomethane		--	--	--	--	--	--	--	1.4 U	1.3 U
Dichlorodifluoromethane		--	--	--	--	--	--	--	1.4 U	1.3 U
Dichloromethane (Methylene chloride)	30	--	--	--	--	--	--	--	2.7 U	**26**
Ethyl bromide (Bromoethane)		--	--	--	--	--	--	--	2.7 U	2.6 U
Ethylbenzene	15	1600 U	1200 U	1200 U	35 UJ	1.3 U	1.2 U	1.1 U	**1.6 J**	1.2 U
Ethylene dibromide (1,2-Dibromoethane)		--	--	--	--	--	--	--	1.4 U	1.3 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)		--	--	--	--	--	--	--	1.4 U	1.3 U
m,p-Xylene		3100 U	2400 U	2400 U	7.7 UJ	1.3 U	**1.8**	1.1 U	**5.4**	**1.5 J**
Methyl ethyl ketone (2-Butanone)		--	--	--	--	--	--	--	**20**	**4.7 J**
Methyl iodide (Iodomethane)		--	--	--	--	--	--	--	1.4 U	**2.4**
Methyl tert-butyl ether (MTBE)		1600 UJ	1200 UJ	1200 UJ	--	--	--	--	1.4 U	1.3 U
Naphthalene	120	--	--	--	--	--	--	--	--	--
n-Butylbenzene		--	--	--	--	--	--	--	1.4 U	1.3 U
n-Propylbenzene		--	--	--	--	--	--	--	1.4 U	1.3 U
o-Xylene		1600 U	1200 U	1200 U	13 UJ	1.3 U	1.2 U	1.1 U	**2.9**	1.2 U
sec-Butylbenzene		--	--	--	--	--	--	--	1.4 U	1.3 U
Styrene		--	--	--	--	--	--	--	1.4 U	1.3 U
tert-Butylbenzene		--	--	--	--	--	--	--	1.4 U	1.3 U
Tetrachloroethene (PCE)	1.6	--	--	--	--	--	--	--	**2**	1.3 U
Toluene	55	1600 U	1200 U	1200 U	**7.9 J**	1.3 U	1.2 U	1.1 U	**6.8**	**1.9**
Trichloroethene (TCE)	1	--	--	--	--	--	--	--	1.4 U	1.3 U
Trichlorofluoromethane (Fluorotrichloromethane)		--	--	--	--	--	--	--	1.4 U	1.3 U
Vinyl acetate		--	--	--	--	--	--	--	6.8 UJ	6.4 UJ
Vinyl chloride	1	--	--	--	--	--	--	--	1.4 U	1.3 U

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-01_1311	DSIP2-01_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312
	Depth	7 – 9 ft	9.5 – 11.5 ft	11 – 13 ft	2 – 4 ft	5 – 7 ft	8 – 10 ft	10.5 – 12.5 ft	2 – 4 ft	2 – 4 ft	5 – 7 ft
	Sample ID	DSIP2-01-7-9	DSIP2-01-9.5-11.5	DSIP2-02-11-13	DSIP2-02-2-4	DSIP2-02-5-7	DSIP2-02-8-10	DSIP2-03-10.5-12.5	DSIP2-03-2-4	DSIP2-53-2-4	DSIP2-03-5-7
	Sample Date	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N
	X	1267569.74	1267569.74	1267562.38	1267562.38	1267562.38	1267562.38	1267719.57	1267719.57	1267719.57	1267719.57
	Y	204573.92	204573.92	204456.85	204456.85	204456.85	204456.85	204356.99	204356.99	204356.99	204356.99
	Soil Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,1,1-Trichloroethane	21000	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,1,2,2-Tetrachloroethane	1	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		1.7 U	2.5 U	4.4 U	2.1 U	2.8 U	1.9 U	4.4 U	3.7 U	1.9 U	2.3 U
1,1,2-Trichloroethane	1	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,1-Dichloroethane		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,1-Dichloroethene	1.1	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,1-Dichloropropene		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,2,3-Trichlorobenzene		4.3 U	6.3 U	11 U	5.1 U	6.9 U	4.8 U	11 U	9.1 U	4.7 U	5.8 U
1,2,3-Trichloropropane		1.7 U	2.5 U	4.4 U	2.1 U	2.8 U	1.9 U	4.4 U	3.7 U	1.9 U	2.3 U
1,2,4-Trichlorobenzene	5	4.3 U	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,2-Dibromo-3-chloropropane		4.3 U	6.3 U	11 U	5.1 U	6.9 U	4.8 U	11 UJ	9.1 UJ	4.7 UJ	5.8 UJ
1,2-Dichlorobenzene	3.7	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,2-Dichloroethane	19	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,2-Dichloroethene, cis-		0.9 U	1.3 U	2.2 U	1 U	1.4 U	**0.6 J**	2.2 U	1.8 U	0.9 U	1.2 U
1,2-Dichloroethene, trans-	320	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,2-Dichloropropane	1	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,3,5-Trimethylbenzene (Mesitylene)		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,3-Dichloropropane		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,3-Dichloropropene, cis-		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,3-Dichloropropene, trans-		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
1,4-Dichloro-2-butene, trans-		4.3 U	6.3 U	11 U	5.1 U	6.9 U	4.8 U	11 UJ	9.1 UJ	4.7 UJ	5.8 UJ
1,4-Dichlorobenzene	4.3	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
2,2-Dichloropropane		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
2-Chloroethylvinyl ether		4.3 U	6.3 U	11 U	5.1 U	6.9 U	4.8 U	11 UJ	9.1 UJ	4.7 UJ	5.8 UJ
2-Chlorotoluene		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
2-Hexanone (Methyl butyl ketone)		4.3 U	6.3 U	11 U	5.1 U	6.9 U	4.8 U	11 U	9.1 U	4.7 U	5.8 U
4-Chlorotoluene		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		4.3 U	6.3 U	11 U	5.1 U	6.9 U	4.8 U	11 U	9.1 U	4.7 U	5.8 U
Acetone		4.3 U	**33 J**	**140 J**	**45 J**	**19 J**	**17 J**	**170 J**	9.1 UJ	**25 J**	**15 J**
Acrolein		43 U	63 U	110 U	51 U	69 U	48 U	110 U	91 U	47 U	58 U
Acrylonitrile		4.3 U	6.3 U	11 U	5.1 U	6.9 U	4.8 U	11 U	9.1 U	4.7 U	5.8 U
Benzene	1	0.9 U	1.3 U	2.2 U	**1.2 J**	1.4 U	**0.96 J**	2.2 U	**1.1 J**	**12**	1.2 U
Bromobenzene		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Bromochloromethane		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Bromodichloromethane	1	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Bromoform (Tribromomethane)	5	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-01_1311	DSIP2-01_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312
	Depth	7 – 9 ft	9.5 – 11.5 ft	11 – 13 ft	2 – 4 ft	5 – 7 ft	8 – 10 ft	10.5 – 12.5 ft	2 – 4 ft	2 – 4 ft	5 – 7 ft
	Sample ID	DSIP2-01-7-9	DSIP2-01-9.5-11.5	DSIP2-02-11-13	DSIP2-02-2-4	DSIP2-02-5-7	DSIP2-02-8-10	DSIP2-03-10.5-12.5	DSIP2-03-2-4	DSIP2-53-2-4	DSIP2-03-5-7
	Sample Date	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N
	X	1267569.74	1267569.74	1267562.38	1267562.38	1267562.38	1267562.38	1267719.57	1267719.57	1267719.57	1267719.57
	Y	204573.92	204573.92	204456.85	204456.85	204456.85	204456.85	204356.99	204356.99	204356.99	204356.99
Soil Screening Level											
Bromomethane (Methyl bromide)	78	0.9 U	**1.7**	2.2 U	1 U	1.4 U	1 U	2.2 UJ	1.8 UJ	0.9 UJ	1.2 UJ
Carbon disulfide		**2.7**	**2.7**	**14**	**2.3**	**8.8**	**10**	**10**	**2.1**	0.9 U	**80**
Carbon tetrachloride (Tetrachloromethane)	1	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Chlorobenzene	100	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Chloroethane		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Chloroform	5.2	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Chloromethane		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Cymene, p- (4-Isopropyltoluene)		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Dibromochloromethane	1	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Dibromomethane		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Dichlorodifluoromethane		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Dichloromethane (Methylene chloride)	30	**2**	**18**	**5.9**	**1.4 J**	**6.3**	**3.2**	**3.1 J**	**4.8**	1.9 U	**1.8 J**
Ethyl bromide (Bromoethane)		1.7 U	2.5 U	4.4 U	2.1 U	2.8 U	1.9 U	4.4 U	3.7 U	1.9 U	2.3 U
Ethylbenzene	15	0.9 U	**1.4 J**	2.2 U	**1.2 J**	1.4 U	**1.7**	2.2 U	1.7 U	**2.4**	**0.84 J**
Ethylene dibromide (1,2-Dibromoethane)		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
m,p-Xylene		0.9 U	**3.1 J**	2.2 U	**2.9 J**	1.4 U	**10**	**4.7 J**	1.8 U	**11**	**2.5 J**
Methyl ethyl ketone (2-Butanone)		4.3 U	**4 J**	**25**	**7.6**	6.9 U	**2.5 J**	**40**	9.1 U	**3.4 J**	5.8 U
Methyl iodide (Iodomethane)		0.9 U	**1.2 J**	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Methyl tert-butyl ether (MTBE)		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Naphthalene	120	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
n-Propylbenzene		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
o-Xylene		0.9 U	**1.5 J**	2.2 U	**1.2 J**	1.4 U	**1.3 J**	2.2 U	1.7 U	**3.9**	1.2 U
sec-Butylbenzene		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Styrene		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
tert-Butylbenzene		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Tetrachloroethene (PCE)	1.6	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Toluene	55	**1.6**	**8.5**	**41**	**4.3**	**21**	**2.6**	**75**	**3.2**	**8**	**3**
Trichloroethene (TCE)	1	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	**0.6 J**	1.2 U
Trichlorofluoromethane (Fluorotrichloromethane)		0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U
Vinyl acetate		4.3 UJ	6.3 UJ	11 UJ	5.1 UJ	6.9 UJ	4.8 UJ	11 UJ	9.1 UJ	4.7 UJ	5.8 UJ
Vinyl chloride	1	0.9 U	1.3 U	2.2 U	1 U	1.4 U	1 U	2.2 U	1.8 U	0.9 U	1.2 U

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-03_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-05_1311	DSIP2-05_1311	DSIP2-05_1311	DSIP2-05_1311	DSIP2-06_1311
	Depth	7.5 – 9.5 ft	11 – 12.5 ft	2 – 4 ft	5.5 – 7 ft	8 – 9.5 ft	1.5 – 3.5 ft	11 – 13 ft	4 – 6 ft	8 – 10 ft	2 – 4 ft
	Sample ID	DSIP2-03-7.5-9.5	DSIP2-04-11-12.5	DSIP2-04-2-4	DSIP2-04-5.5-7	DSIP2-04-8-9.5	DSIP2-05-1.5-3.5	DSIP2-05-11-13	DSIP2-05-4-6	DSIP2-05-8-10	DSIP2-06-2-4
	Sample Date	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	11/20/2013	11/20/2013	11/20/2013	11/20/2013	11/25/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267719.57	1267759.22	1267759.22	1267759.22	1267759.22	1267858.93	1267858.93	1267858.93	1267858.93	1267821.70
	Y	204356.99	204362.24	204362.24	204362.24	204362.24	204370.83	204370.83	204370.83	204370.83	204456.60
	Soil Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
1,1,1-Trichloroethane	21000	1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
1,1,2,2-Tetrachloroethane	1	1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		2.2 U	5.2 U	2 U	1.9 U	2 U	2.4 U	4.9 U	1.9 U	2.2 U	1.7 U
1,1,2-Trichloroethane	1	1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
1,1-Dichloroethane		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
1,1-Dichloroethene	1.1	1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
1,1-Dichloropropene		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
1,2,3-Trichlorobenzene		5.6 U	13 U	4.9 U	4.8 U	4.9 U	5.9 U	12 U	4.8 U	5.6 U	4.2 U
1,2,3-Trichloropropane		2.2 U	5.2 U	2 U	1.9 U	2 U	2.4 U	4.9 U	1.9 U	2.2 U	1.7 U
1,2,4-Trichlorobenzene	5	--	--	--	4.8 U	--	--	--	--	--	4.2 U
1,2,4-Trimethylbenzene		1.1 U	2.6 U	**1.2**	1 U	1 U	**26**	2.4 U	1 U	1.1 U	**2**
1,2-Dibromo-3-chloropropane		5.6 UJ	13 UJ	4.9 UJ	4.8 UJ	4.9 UJ	5.9 U	12 U	4.8 U	5.6 U	4.2 U
1,2-Dichlorobenzene	3.7	1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
1,2-Dichloroethane	19	1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
1,2-Dichloroethene, cis-		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
1,2-Dichloroethene, trans-	320	1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
1,2-Dichloropropane	1	1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
1,3,5-Trimethylbenzene (Mesitylene)		1.1 U	2.6 U	1 U	1 U	1 U	**19**	2.4 U	1 U	1.1 U	**0.5 J**
1,3-Dichloropropane		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
1,3-Dichloropropene, cis-		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
1,3-Dichloropropene, trans-		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
1,4-Dichloro-2-butene, trans-		5.6 UJ	13 UJ	4.9 UJ	4.8 UJ	4.9 UJ	5.9 U	12 U	4.8 U	5.6 U	4.2 UJ
1,4-Dichlorobenzene	4.3	1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
2,2-Dichloropropane		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
2-Chloroethylvinyl ether		5.6 UJ	13 UJ	4.9 UJ	4.8 UJ	4.9 UJ	5.9 U	12 U	4.8 U	5.6 U	4.2 U
2-Chlorotoluene		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
2-Hexanone (Methyl butyl ketone)		5.6 U	13 U	4.9 U	4.8 U	4.9 U	5.9 U	12 U	4.8 U	5.6 U	4.2 U
4-Chlorotoluene		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		5.6 U	13 U	4.9 U	4.8 U	4.9 U	5.9 U	12 U	4.8 U	5.6 U	4.2 U
Acetone		**16 J**	**260 J**	**30 J**	**10 J**	**14 J**	**44 J**	**450 J**	**15 J**	**29 J**	4.2 U
Acrolein		56 U	130 U	49 U	48 U	49 U	59 U	120 U	48 U	56 U	42 U
Acrylonitrile		5.6 U	13 U	4.9 U	4.8 U	4.9 U	5.9 U	12 U	4.8 U	5.6 U	4.2 U
Benzene	1	**1.8**	**2.4 J**	**3.2**	1 U	**0.73 J**	**3.3**	2.4 U	**3.2**	1.1 U	**22**
Bromobenzene		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
Bromochloromethane		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
Bromodichloromethane	1	1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
Bromoform (Tribromomethane)	5	1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U

Table 7-5e
Soil Results: VOCs

		Location ID	DSIP2-03_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-05_1311	DSIP2-05_1311	DSIP2-05_1311	DSIP2-05_1311	DSIP2-06_1311
		Depth	7.5 – 9.5 ft	11 – 12.5 ft	2 – 4 ft	5.5 – 7 ft	8 – 9.5 ft	1.5 – 3.5 ft	11 – 13 ft	4 – 6 ft	8 – 10 ft	2 – 4 ft
		Sample ID	DSIP2-03-7.5-9.5	DSIP2-04-11-12.5	DSIP2-04-2-4	DSIP2-04-5.5-7	DSIP2-04-8-9.5	DSIP2-05-1.5-3.5	DSIP2-05-11-13	DSIP2-05-4-6	DSIP2-05-8-10	DSIP2-06-2-4
		Sample Date	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	11/20/2013	11/20/2013	11/20/2013	11/20/2013	11/25/2013
		Sample Type	N	N	N	N	N	N	N	N	N	N
		X	1267719.57	1267759.22	1267759.22	1267759.22	1267759.22	1267858.93	1267858.93	1267858.93	1267858.93	1267821.70
		Y	204356.99	204362.24	204362.24	204362.24	204362.24	204370.83	204370.83	204370.83	204370.83	204456.60
	Soil Screening Level											
Bromomethane (Methyl bromide)	78		1.1 UJ	2.6 UJ	1 UJ	1 UJ	1 UJ	1.2 U	2.4 U	1 U	1.1 U	0.8 U
Carbon disulfide			**57**	**21**	**2.5**	**8.2**	**36**	**3**	**19**	**14**	**1.7**	**4.2**
Carbon tetrachloride (Tetrachloromethane)	1		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
Chlorobenzene	100		1.1 U	2.6 U	1 U	1 U	**0.6 J**	1.2 U	2.4 U	1 U	**0.9 J**	0.8 U
Chloroethane			1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 UJ
Chloroform	5.2		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
Chloromethane			1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
Cymene, p- (4-Isopropyltoluene)			1.1 U	2.6 U	1 U	1 U	1 U	**8.1**	2.4 U	1 U	1.1 U	**0.6 J**
Dibromochloromethane	1		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
Dibromomethane			1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
Dichlorodifluoromethane			1.1 U	2.6 U	1 U	1 U	1 U	1.2 UJ	2.4 UJ	1 UJ	1.1 UJ	0.8 U
Dichloromethane (Methylene chloride)	30		**1.3 J**	**2.7 J**	**1 J**	**1.1 J**	**1.9 J**	2.4 U	4.9 U	1.9 U	2.2 U	**1 J**
Ethyl bromide (Bromoethane)			2.2 U	5.2 U	2 U	1.9 U	2 U	2.4 U	4.9 U	1.9 U	2.2 U	1.7 U
Ethylbenzene	15		**1.5 J**	**1.6 J**	**2.7**	1 U	1 U	**7.1**	2.4 U	**3.3**	1.1 U	**5.1**
Ethylene dibromide (1,2-Dibromoethane)			1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4		--	--	--	--	--	--	--	--	--	4.2 U
Isopropylbenzene (Cumene)			1.1 U	2.6 U	1 U	1 U	1 U	**2.2**	2.4 U	1 U	1.1 U	0.8 U
m,p-Xylene			**4**	**3.8 J**	**6.3**	1 U	**1.7 J**	**52**	**5**	**19**	**3.4 J**	**27**
Methyl ethyl ketone (2-Butanone)			5.6 U	**54**	**4.4 J**	4.8 U	4.9 U	**13**	**100**	**2.6 J**	**5 J**	4.2 U
Methyl iodide (Iodomethane)			1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
Methyl tert-butyl ether (MTBE)			1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
Naphthalene	120		--	--	--	--	--	--	--	--	--	--
n-Butylbenzene			1.1 U	2.6 U	1 U	1 U	1 U	**5.1**	2.4 U	1 U	1.1 U	0.8 U
n-Propylbenzene			1.1 U	2.6 U	1 U	1 U	1 U	**3.2**	2.4 U	1 U	1.1 U	**0.7 J**
o-Xylene			**1.8**	**1.6 J**	**3.4**	1 U	1 U	**130**	2.4 U	**6.3**	**1.4 J**	**16**
sec-Butylbenzene			1.1 U	2.6 U	1 U	1 U	1 U	**4.2**	2.4 U	1 U	1.1 U	0.8 U
Styrene			1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
tert-Butylbenzene			1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
Tetrachloroethene (PCE)	1.6		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
Toluene	55		**26**	**62**	**24**	**2.2**	**2.4**	**57**	**45**	**28**	**30**	**15**
Trichloroethene (TCE)	1		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U
Trichlorofluoromethane (Fluorotrichloromethane)			1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 UJ
Vinyl acetate			5.6 UJ	13 UJ	4.9 UJ	4.8 UJ	4.9 UJ	5.9 UJ	12 UJ	4.8 UJ	5.6 UJ	4.2 UJ
Vinyl chloride	1		1.1 U	2.6 U	1 U	1 U	1 U	1.2 U	2.4 U	1 U	1.1 U	0.8 U

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-08_1311	DSIP2-08_1311
	Depth	4 – 6 ft	4 – 6 ft	6 – 8 ft	8.5 – 10 ft	1 – 3 ft	3 – 5 ft	5 – 7 ft	8 – 10 ft	1 – 3 ft	3.5 – 5.5 ft
	Sample ID	DSIP2-06-4-6	DSIP2-56-4-6	DSIP2-06-6-8	DSIP2-06-8.5-10	DSIP2-07-1-3	DSIP2-07-3-5	DSIP2-07-5-7	DSIP2-07-8-10	DSIP2-08-1-3	DSIP2-08-3.5-5.5
	Sample Date	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013
	Sample Type	N	FD	N	N	N	N	N	N	N	N
	X	1267821.70	1267821.70	1267821.70	1267821.70	1267896.21	1267896.21	1267896.21	1267896.21	1267991.80	1267991.80
	Y	204456.60	204456.60	204456.60	204456.60	204592.61	204592.61	204592.61	204592.61	204592.40	204592.40
	Soil Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,1,1-Trichloroethane	21000	68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,1,2,2-Tetrachloroethane	1	68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		140 U	130 U	170 U	5.8 U	3.2 U	2.3 U	2.1 U	4.1 U	2.3 U	2 U
1,1,2-Trichloroethane	1	68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,1-Dichloroethane		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,1-Dichloroethene	1.1	68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,1-Dichloropropene		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,2,3-Trichlorobenzene		340 U	320 U	430 U	14 U	8 U	5.7 U	5.1 U	10 U	5.9 U	5 U
1,2,3-Trichloropropane		140 U	130 U	170 U	5.8 U	3.2 U	2.3 U	2.1 U	4.1 U	2.3 U	2 U
1,2,4-Trichlorobenzene	5	--	--	--	14 U	--	--	--	--	--	--
1,2,4-Trimethylbenzene		68 U	**120**	**72 J**	**160**	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,2-Dibromo-3-chloropropane		340 U	320 U	430 U	14 U	8 UJ	5.7 UJ	5.1 UJ	10 UJ	5.9 UJ	5 UJ
1,2-Dichlorobenzene	3.7	--	--	--	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,2-Dichloroethane	19	68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,2-Dichloroethene, cis-		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,2-Dichloroethene, trans-	320	68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,2-Dichloropropane	1	68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)		68 U	63 U	85 U	**20**	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,3-Dichloropropane		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,3-Dichloropropene, cis-		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,3-Dichloropropene, trans-		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
1,4-Dichloro-2-butene, trans-		340 UJ	320 UJ	430 UJ	14 UJ	8 UJ	5.7 UJ	5.1 UJ	10 UJ	5.9 UJ	5 UJ
1,4-Dichlorobenzene	4.3	--	--	--	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
2,2-Dichloropropane		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
2-Chloroethylvinyl ether		340 U	320 U	430 U	14 U	8 UJ	5.7 UJ	5.1 UJ	10 UJ	5.9 UJ	5 UJ
2-Chlorotoluene		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
2-Hexanone (Methyl butyl ketone)		340 U	320 U	430 U	14 U	8 U	5.7 U	5.1 U	10 U	5.9 U	5 U
4-Chlorotoluene		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		340 U	320 U	430 U	14 U	8 U	5.7 U	5.1 U	10 U	5.9 U	5 U
Acetone		340 U	320 U	**2400 J**	**140 J**	**16 J**	**14 J**	**28 J**	**890 J**	**21 J**	**32 J**
Acrolein		3400 U	3200 U	4300 U	140 U	80 U	57 U	51 U	100 U	59 U	50 U
Acrylonitrile		340 U	320 U	430 U	14 U	8 U	5.7 U	5.1 U	10 U	5.9 U	5 U
Benzene	1	**2.1**	**31**	**1.8**	**2.1 J**	**1.8**	**0.85 J**	**1.3**	2.1 U	**1.7**	**1.1 J**
Bromobenzene		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Bromochloromethane		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Bromodichloromethane	1	68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Bromoform (Tribromomethane)	5	68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U

Table 7-5e
Soil Results: VOCs

		Location ID	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-08_1311	DSIP2-08_1311
		Depth	4 – 6 ft	4 – 6 ft	6 – 8 ft	8.5 – 10 ft	1 – 3 ft	3 – 5 ft	5 – 7 ft	8 – 10 ft	1 – 3 ft	3.5 – 5.5 ft
		Sample ID	DSIP2-06-4-6	DSIP2-56-4-6	DSIP2-06-6-8	DSIP2-06-8.5-10	DSIP2-07-1-3	DSIP2-07-3-5	DSIP2-07-5-7	DSIP2-07-8-10	DSIP2-08-1-3	DSIP2-08-3.5-5.5
		Sample Date	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013
		Sample Type	N	FD	N	N	N	N	N	N	N	N
		X	1267821.70	1267821.70	1267821.70	1267821.70	1267896.21	1267896.21	1267896.21	1267896.21	1267991.80	1267991.80
		Y	204456.60	204456.60	204456.60	204456.60	204592.61	204592.61	204592.61	204592.61	204592.40	204592.40
	Soil Screening Level											
Bromomethane (Methyl bromide)	78		**180 J**	**110 J**	**160 J**	2.9 U	1.6 UJ	1.1 UJ	1 UJ	2.1 UJ	1.2 UJ	1 UJ
Carbon disulfide			68 U	63 U	85 U	**33**	1.6 U	1.1 U	**18**	**42**	**0.7 J**	**2.9**
Carbon tetrachloride (Tetrachloromethane)	1		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Chlorobenzene	100		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Chloroethane			68 UJ	63 UJ	85 UJ	2.9 UJ	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Chloroform	5.2		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Chloromethane			68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	**3.6**	2.1 U	1.2 U	1 U
Cymene, p- (4-Isopropyltoluene)			68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Dibromochloromethane	1		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Dibromomethane			68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Dichlorodifluoromethane			68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Dichloromethane (Methylene chloride)	30		**430 J**	**290 J**	**440 J**	**10 J**	**3.5 J**	**3.1 J**	**2.3 J**	**3.1 J**	**1.6 J**	**1.6 J**
Ethyl bromide (Bromoethane)			140 U	130 U	170 U	5.8 U	3.2 U	2.3 U	2.1 U	4.1 U	2.3 U	2 U
Ethylbenzene	15		1.4 U	**7**	1.7 U	2.8 U	**1.9**	**0.81 J**	1 U	2.1 U	0.99 U	**2.5**
Ethylene dibromide (1,2-Dibromoethane)			68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4		--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)			68 U	**450**	85 U	**17**	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
m,p-Xylene			**3.1**	**22**	**16**	**20**	**4**	**1.6 J**	1 U	2.1 U	**1.6 J**	**2.1 J**
Methyl ethyl ketone (2-Butanone)			340 U	320 U	430 U	**37**	8 U	5.7 U	**7.9**	**260**	**3.3 J**	**5.7**
Methyl iodide (Iodomethane)			68 U	**44 J**	**55 J**	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Methyl tert-butyl ether (MTBE)			68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Naphthalene	120		--	--	--	--	--	--	--	--	--	--
n-Butylbenzene			68 U	**710**	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
n-Propylbenzene			68 U	**1500**	85 U	**17**	1.6 U	1.1 U	1 U	2.1 U	1.2 U	**0.7 J**
o-Xylene			1.4 U	1.3 U	1.7 U	**1.7 J**	**2.3**	1.1 U	1 U	2.1 U	**0.55 J**	**1.2**
sec-Butylbenzene			68 U	**1500**	85 U	**16**	1.6 U	1.1 U	1 U	2.1 U	1.2 U	**5.9**
Styrene			68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
tert-Butylbenzene			68 U	**150**	85 U	**9.4**	1.6 U	1.1 U	1 U	2.1 U	1.2 U	**1.3**
Tetrachloroethene (PCE)	1.6		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	**0.5 J**	2.1 U	1.2 U	1 U
Toluene	55		**2.8**	**9.6**	**13**	**5.6**	**5.4**	**3**	**2.1**	**3.4**	**2.8**	**2.8**
Trichloroethene (TCE)	1		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Trichlorofluoromethane (Fluorotrichloromethane)			68 UJ	63 UJ	85 UJ	2.9 UJ	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U
Vinyl acetate			340 UJ	320 UJ	430 UJ	14 UJ	8 UJ	5.7 UJ	5.1 UJ	10 UJ	5.9 UJ	5 UJ
Vinyl chloride	1		68 U	63 U	85 U	2.9 U	1.6 U	1.1 U	1 U	2.1 U	1.2 U	1 U

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-08_1311	DSIP2-08_1311	DSIP2-09_1311	DSIP2-09_1311	DSIP2-09_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-11_1312	DSIP2-11_1312
	Depth	6 – 8 ft	8.5 – 10.5 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	1.5 – 3 ft	3.5 – 5 ft
	Sample ID	DSIP2-08-6-8	DSIP2-08-8.5-10.5	DSIP2-09-2-4	DSIP2-09-4.5-6.5	DSIP2-09-7-9	DSIP2-10-1-3	DSIP2-10-3.5-5.5	DSIP2-10-6-8	DSIP2-11-1.5-3	DSIP2-11-3.5-5
	Sample Date	11/26/2013	11/26/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	12/4/2013	12/4/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267991.80	1267991.80	1268002.99	1268002.99	1268002.99	1267966.58	1267966.58	1267966.58	1267128.73	1267128.73
	Y	204592.40	204592.40	204347.85	204347.85	204347.85	204286.98	204286.98	204286.98	204368.73	204368.73
	Soil Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,1,1-Trichloroethane	21000	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,1,2,2-Tetrachloroethane	1	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		2.5 U	2.8 U	1.9 U	1.6 U	3 U	1.8 U	2.2 U	3 U	--	--
1,1,2-Trichloroethane	1	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,1-Dichloroethane		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,1-Dichloroethene	1.1	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,1-Dichloropropene		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,2,3-Trichlorobenzene		6.4 U	7 U	4.8 U	4 U	7.5 U	4.4 U	5.5 U	7.4 U	--	--
1,2,3-Trichloropropane		2.5 U	2.8 U	1.9 U	1.6 U	3 U	1.8 U	2.2 U	3 U	--	--
1,2,4-Trichlorobenzene	5	--	--	4.8 U	4 U	7.5 U	4.4 U	--	--	--	--
1,2,4-Trimethylbenzene		1.3 U	1.4 U	**1.3**	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,2-Dibromo-3-chloropropane		6.4 UJ	7 UJ	4.8 U	4 U	7.5 U	4.4 U	5.5 U	7.4 U	--	--
1,2-Dichlorobenzene	3.7	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,2-Dichloroethane	19	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,2-Dichloroethene, cis-		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,2-Dichloroethene, trans-	320	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,2-Dichloropropane	1	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,3,5-Trimethylbenzene (Mesitylene)		1.3 U	1.4 U	**0.7 J**	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,3-Dichloropropane		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,3-Dichloropropene, cis-		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,3-Dichloropropene, trans-		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
1,4-Dichloro-2-butene, trans-		6.4 UJ	7 UJ	4.8 UJ	4 UJ	7.5 UJ	4.4 UJ	5.5 UJ	7.4 UJ	--	--
1,4-Dichlorobenzene	4.3	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
2,2-Dichloropropane		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
2-Chloroethylvinyl ether		6.4 UJ	7 UJ	4.8 U	4 U	7.5 U	4.4 U	5.5 U	7.4 U	--	--
2-Chlorotoluene		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
2-Hexanone (Methyl butyl ketone)		6.4 U	7 U	4.8 U	4 U	7.5 U	4.4 U	5.5 U	7.4 U	--	--
4-Chlorotoluene		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)		6.4 U	7 U	4.8 U	4 U	7.5 U	4.4 U	5.5 U	7.4 U	--	--
Acetone		**24 J**	**90 J**	**47 J**	**11 J**	**45 J**	**23 J**	**23 J**	**42 J**	--	--
Acrolein		64 U	70 U	48 U	40 U	75 U	44 U	55 U	74 U	--	--
Acrylonitrile		6.4 U	7 U	4.8 U	4 U	7.5 U	4.4 U	5.5 U	7.4 U	--	--
Benzene	1	1.3 U	**0.9 J**	**0.81 J**	**2.1**	**1.4 J**	**5.1**	1.1 U	1.5 U	--	--
Bromobenzene		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Bromochloromethane		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Bromodichloromethane	1	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Bromoform (Tribromomethane)	5	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-08_1311	DSIP2-08_1311	DSIP2-09_1311	DSIP2-09_1311	DSIP2-09_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-11_1312	DSIP2-11_1312
	Depth	6 – 8 ft	8.5 – 10.5 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	1.5 – 3 ft	3.5 – 5 ft
	Sample ID	DSIP2-08-6-8	DSIP2-08-8.5-10.5	DSIP2-09-2-4	DSIP2-09-4.5-6.5	DSIP2-09-7-9	DSIP2-10-1-3	DSIP2-10-3.5-5.5	DSIP2-10-6-8	DSIP2-11-1.5-3	DSIP2-11-3.5-5
	Sample Date	11/26/2013	11/26/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	12/4/2013	12/4/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267991.80	1267991.80	1268002.99	1268002.99	1268002.99	1267966.58	1267966.58	1267966.58	1267128.73	1267128.73
	Y	204592.40	204592.40	204347.85	204347.85	204347.85	204286.98	204286.98	204286.98	204368.73	204368.73
Soil Screening Level											
Bromomethane (Methyl bromide)	78	1.3 UJ	1.4 UJ	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Carbon disulfide		**5.2**	**9.1**	**1.8**	**4.9**	**12**	**0.6 J**	**0.7 J**	**2.7**	--	--
Carbon tetrachloride (Tetrachloromethane)	1	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Chlorobenzene	100	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Chloroethane		1.3 U	1.4 U	1 UJ	0.8 UJ	1.5 UJ	0.9 UJ	1.1 UJ	1.5 UJ	--	--
Chloroform	5.2	1.3 U	1.4 U	1 U	0.8 U	1.5 U	**0.5 J**	1.1 U	1.5 U	--	--
Chloromethane		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Cymene, p- (4-Isopropyltoluene)		1.3 U	1.4 U	**0.6 J**	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Dibromochloromethane	1	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Dibromomethane		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Dichlorodifluoromethane		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Dichloromethane (Methylene chloride)	30	**2.1 J**	**1.6 J**	**1.2 J**	**2.4 J**	**2.6 J**	**1 J**	**1.9 J**	**2.2 J**	--	--
Ethyl bromide (Bromoethane)		2.5 U	2.8 U	1.9 U	1.6 U	3 U	1.8 U	2.2 U	3 U	--	--
Ethylbenzene	15	1.3 U	1.4 U	1 U	**1.7**	1.5 U	**3.8**	**1.6**	1.5 U	--	--
Ethylene dibromide (1,2-Dibromoethane)		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	--	--	--	--	--	4.4 U	--	--	14 U	4.9 U
Isopropylbenzene (Cumene)		1.3 U	1.4 U	**0.9 J**	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
m,p-Xylene		1.3 U	1.4 U	**1.8 J**	**4.2**	1.5 U	**18**	**4.2**	**4.2 J**	--	--
Methyl ethyl ketone (2-Butanone)		6.4 U	**18**	**8.2**	4 U	**8.2**	**2.4 J**	5.5 U	**7.7**	--	--
Methyl iodide (Iodomethane)		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Methyl tert-butyl ether (MTBE)		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Naphthalene	120	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
n-Propylbenzene		1.3 U	1.4 U	**0.8 J**	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
o-Xylene		1.3 U	1.4 U	1 U	**1.5**	**1.5 J**	**7.5**	**1.6**	1.5 U	--	--
sec-Butylbenzene		1.3 U	1.4 U	**1.6**	**0.5 J**	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Styrene		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
tert-Butylbenzene		1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Tetrachloroethene (PCE)	1.6	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Toluene	55	**2**	**2.9**	**2.9**	**4.3**	**4.2**	**23**	**26**	**33**	--	--
Trichloroethene (TCE)	1	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--
Trichlorofluoromethane (Fluorotrichloromethane)		1.3 U	1.4 U	1 UJ	0.8 UJ	1.5 UJ	0.9 UJ	1.1 UJ	1.5 UJ	--	--
Vinyl acetate		6.4 UJ	7 UJ	4.8 UJ	4 UJ	7.5 UJ	4.4 UJ	5.5 UJ	7.4 UJ	--	--
Vinyl chloride	1	1.3 U	1.4 U	1 U	0.8 U	1.5 U	0.9 U	1.1 U	1.5 U	--	--

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-11_1312	DSIP2-11_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311
	Depth	5.5 – 7 ft	9 – 11 ft	11 – 13 ft	2.5 – 4.5 ft	5 – 7 ft	8 – 10 ft	2 – 3.5 ft	3.5 – 5 ft	6 – 8 ft	9 – 11 ft
	Sample ID	DSIP2-11-5.5-7	DSIP2-11-9-11	DSIP2-12-11-13	DSIP2-12-2.5-4.5	DSIP2-12-5-7	DSIP2-12-8-10	DSIP2-13-2-3.5	DSIP2-13-3.5-5	DSIP2-13-6-8	DSIP2-13-9-11
	Sample Date	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267128.73	1267128.73	1267281.17	1267281.17	1267281.17	1267281.17	1267446.25	1267446.25	1267446.25	1267446.25
	Y	204368.73	204368.73	204371.54	204371.54	204371.54	204371.54	204365.45	204365.45	204365.45	204365.45
	Soil Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	21000	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	1	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	1	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane		--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	1.1	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene		--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene		--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane		--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	5	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene		--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane		--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	3.7	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	19	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethene, cis-		--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethene, trans-	320	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	1	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene (Mesitylene)		--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane		--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropene, cis-		--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropene, trans-		--	--	--	--	--	--	--	--	--	--
1,4-Dichloro-2-butene, trans-		--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	4.3	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane		--	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether		--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene		--	--	--	--	--	--	--	--	--	--
2-Hexanone (Methyl butyl ketone)		--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene		--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)		--	--	--	--	--	--	--	--	--	--
Acetone		--	--	--	--	--	--	--	--	--	--
Acrolein		--	--	--	--	--	--	--	--	--	--
Acrylonitrile		--	--	--	--	--	--	--	--	--	--
Benzene	1	--	--	--	--	--	--	--	--	--	--
Bromobenzene		--	--	--	--	--	--	--	--	--	--
Bromochloromethane		--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	1	--	--	--	--	--	--	--	--	--	--
Bromoform (Tribromomethane)	5	--	--	--	--	--	--	--	--	--	--

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-11_1312	DSIP2-11_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-12_1312	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311
	Depth	5.5 – 7 ft	9 – 11 ft	11 – 13 ft	2.5 – 4.5 ft	5 – 7 ft	8 – 10 ft	2 – 3.5 ft	3.5 – 5 ft	6 – 8 ft	9 – 11 ft
	Sample ID	DSIP2-11-5.5-7	DSIP2-11-9-11	DSIP2-12-11-13	DSIP2-12-2.5-4.5	DSIP2-12-5-7	DSIP2-12-8-10	DSIP2-13-2-3.5	DSIP2-13-3.5-5	DSIP2-13-6-8	DSIP2-13-9-11
	Sample Date	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267128.73	1267128.73	1267281.17	1267281.17	1267281.17	1267281.17	1267446.25	1267446.25	1267446.25	1267446.25
	Y	204368.73	204368.73	204371.54	204371.54	204371.54	204371.54	204365.45	204365.45	204365.45	204365.45
	Soil Screening Level										
Bromomethane (Methyl bromide)	78	--	--	--	--	--	--	--	--	--	--
Carbon disulfide		--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	1	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	100	--	--	--	--	--	--	--	--	--	--
Chloroethane		--	--	--	--	--	--	--	--	--	--
Chloroform	5.2	--	--	--	--	--	--	--	--	--	--
Chloromethane		--	--	--	--	--	--	--	--	--	--
Cymene, p- (4-Isopropyltoluene)		--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	1	--	--	--	--	--	--	--	--	--	--
Dibromomethane		--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane		--	--	--	--	--	--	--	--	--	--
Dichloromethane (Methylene chloride)	30	--	--	--	--	--	--	--	--	--	--
Ethyl bromide (Bromoethane)		--	--	--	--	--	--	--	--	--	--
Ethylbenzene	15	--	--	--	--	--	--	--	--	--	--
Ethylene dibromide (1,2-Dibromoethane)		--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	4.7 U	4.7 U	4.9 U	4.9 U	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U
Isopropylbenzene (Cumene)		--	--	--	--	--	--	--	--	--	--
m,p-Xylene		--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)		--	--	--	--	--	--	--	--	--	--
Methyl iodide (Iodomethane)		--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)		--	--	--	--	--	--	--	--	--	--
Naphthalene	120	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene		--	--	--	--	--	--	--	--	--	--
n-Propylbenzene		--	--	--	--	--	--	--	--	--	--
o-Xylene		--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene		--	--	--	--	--	--	--	--	--	--
Styrene		--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene		--	--	--	--	--	--	--	--	--	--
Tetrachloroethene (PCE)	1.6	--	--	--	--	--	--	--	--	--	--
Toluene	55	--	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	1	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Fluorotrichloromethane)		--	--	--	--	--	--	--	--	--	--
Vinyl acetate		--	--	--	--	--	--	--	--	--	--
Vinyl chloride	1	--	--	--	--	--	--	--	--	--	--

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-13_1311	DSIP2-14_1311	DSIP2-14_1311	DSIP2-14_1311	DSIP2-14_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-16_1311
	Depth	9 – 11 ft	1 – 3 ft	3 – 5 ft	6 – 8 ft	9 – 11 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft	11 – 13 ft
	Sample ID	DSIP2-63-9-11	DSIP2-14-1-3	DSIP2-14-3-5	DSIP2-14-6-8	DSIP2-14-9-11	DSIP2-15-2-4	DSIP2-15-4-6	DSIP2-15-6-8	DSIP2-15-9-11	DSIP2-16-11-13
	Sample Date	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/20/2013
	Sample Type	FD	N	N	N	N	N	N	N	N	N
	X	1267446.25	1267473.67	1267473.67	1267473.67	1267473.67	1267509.17	1267509.17	1267509.17	1267509.17	1267562.84
	Y	204365.45	204378.75	204378.75	204378.75	204378.75	204385.33	204385.33	204385.33	204385.33	204360.20
	Soil Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,1,1-Trichloroethane	21000	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,1,2,2-Tetrachloroethane	1	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		--	3.1 U	2.4 U	2.4 U	3.2 U	2.3 U	2.7 U	2.6 U	2.4 U	5.6 U
1,1,2-Trichloroethane	1	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,1-Dichloroethane		--	**0.8 J**	1.2 U	1.2 U	1.6 U	**2.5**	1.4 U	1.3 U	1.2 U	2.8 U
1,1-Dichloroethene	1.1	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,1-Dichloropropene		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,2,3-Trichlorobenzene		--	7.6 U	5.9 U	5.9 U	8.1 U	5.7 U	6.8 U	6.5 U	6.1 U	14 U
1,2,3-Trichloropropane		--	3.1 U	2.4 U	2.4 U	3.2 U	2.3 U	2.7 U	2.6 U	2.4 U	5.6 U
1,2,4-Trichlorobenzene	5	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,2-Dibromo-3-chloropropane		--	7.6 U	5.9 U	5.9 U	8.1 U	5.7 U	6.8 U	6.5 U	6.1 U	14 U
1,2-Dichlorobenzene	3.7	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,2-Dichloroethane	19	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,2-Dichloroethene, cis-		--	**1.7**	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,2-Dichloroethene, trans-	320	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,2-Dichloropropane	1	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,3,5-Trimethylbenzene (Mesitylene)		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,3-Dichloropropane		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,3-Dichloropropene, cis-		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,3-Dichloropropene, trans-		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
1,4-Dichloro-2-butene, trans-		--	7.6 U	5.9 U	5.9 U	8.1 U	5.7 U	6.8 U	6.5 U	6.1 U	14 U
1,4-Dichlorobenzene	4.3	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
2,2-Dichloropropane		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
2-Chloroethylvinyl ether		--	7.6 U	5.9 U	5.9 U	8.1 U	5.7 U	6.8 U	6.5 U	6.1 U	14 U
2-Chlorotoluene		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
2-Hexanone (Methyl butyl ketone)		--	7.6 U	5.9 U	5.9 U	8.1 U	5.7 U	6.8 U	6.5 U	6.1 U	14 U
4-Chlorotoluene		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		--	7.6 U	5.9 U	5.9 U	8.1 U	5.7 U	6.8 U	6.5 U	6.1 U	14 U
Acetone		--	**37 J**	**13 J**	**25 J**	**70 J**	**35 J**	**14 J**	**23 J**	**32 J**	**100 J**
Acrolein		--	76 U	59 U	59 U	81 U	57 U	68 U	65 U	61 U	140 U
Acrylonitrile		--	7.6 U	5.9 U	5.9 U	8.1 U	5.7 U	6.8 U	6.5 U	6.1 U	14 U
Benzene	1	--	**1.7**	**0.71 J**	**2.1**	1.6 U	1.1 U	**0.68 J**	1.3 U	1.2 U	2.8 U
Bromobenzene		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
Bromochloromethane		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
Bromodichloromethane	1	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U
Bromoform (Tribromomethane)	5	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U

Table 7-5e
Soil Results: VOCs

		Location ID	DSIP2-13_1311	DSIP2-14_1311	DSIP2-14_1311	DSIP2-14_1311	DSIP2-14_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-16_1311
		Depth	9 – 11 ft	1 – 3 ft	3 – 5 ft	6 – 8 ft	9 – 11 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft	11 – 13 ft
		Sample ID	DSIP2-63-9-11	DSIP2-14-1-3	DSIP2-14-3-5	DSIP2-14-6-8	DSIP2-14-9-11	DSIP2-15-2-4	DSIP2-15-4-6	DSIP2-15-6-8	DSIP2-15-9-11	DSIP2-16-11-13
		Sample Date	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/20/2013
		Sample Type	FD	N	N	N	N	N	N	N	N	N
		X	1267446.25	1267473.67	1267473.67	1267473.67	1267473.67	1267509.17	1267509.17	1267509.17	1267509.17	1267562.84
		Y	204365.45	204378.75	204378.75	204378.75	204378.75	204385.33	204385.33	204385.33	204385.33	204360.20
	Soil Screening Level											
Bromomethane (Methyl bromide)	78	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Carbon disulfide		--	**7.4**	**20**	**2**	**13**	**2.1**	**3.5**	**38**	**14**	**4**	
Carbon tetrachloride (Tetrachloromethane)	1	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Chlorobenzene	100	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Chloroethane		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Chloroform	5.2	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Chloromethane		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Cymene, p- (4-Isopropyltoluene)		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Dibromochloromethane	1	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Dibromomethane		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Dichlorodifluoromethane		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 UJ	
Dichloromethane (Methylene chloride)	30	--	3.1 U	2.4 U	**1.1 J**	3.2 U	2.3 U	**2.9**	**2.2 J**	**1.8 J**	5.6 U	
Ethyl bromide (Bromoethane)		--	3.1 U	2.4 U	2.4 U	3.2 U	2.3 U	2.7 U	2.6 U	2.4 U	5.6 U	
Ethylbenzene	15	--	1.3 U	**2.2**	**1.2 J**	1.6 U	1.1 U	1.3 U	1.3 U	1.2 U	2.8 U	
Ethylene dibromide (1,2-Dibromoethane)		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	4.9 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.9 U	4.7 U	4.8 U	4.9 U	
Isopropylbenzene (Cumene)		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
m,p-Xylene		--	**1.1 J**	**8.2**	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	**3.7 J**	
Methyl ethyl ketone (2-Butanone)		--	**5.2 J**	5.9 U	**3.1 J**	**13**	**3.6 J**	6.8 U	6.5 U	**5.7 J**	**18**	
Methyl iodide (Iodomethane)		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Methyl tert-butyl ether (MTBE)		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Naphthalene	120	--	--	--	--	--	--	--	--	--	--	
n-Butylbenzene		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
n-Propylbenzene		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
o-Xylene		--	**1 J**	**2.9**	**1.2 J**	1.6 U	1.1 U	1.3 U	1.3 U	1.2 U	2.8 U	
sec-Butylbenzene		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Styrene		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
tert-Butylbenzene		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Tetrachloroethene (PCE)	1.6	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Toluene	55	--	**2.3**	**2.6**	**5.6**	**2.2**	**2.7**	**2.1**	**2.3**	**2.7**	**48**	
Trichloroethene (TCE)	1	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Trichlorofluoromethane (Fluorotrichloromethane)		--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	
Vinyl acetate		--	7.6 UJ	5.9 UJ	5.9 UJ	8.1 UJ	5.7 UJ	6.8 UJ	6.5 UJ	6.1 UJ	14 UJ	
Vinyl chloride	1	--	1.5 U	1.2 U	1.2 U	1.6 U	1.1 U	1.4 U	1.3 U	1.2 U	2.8 U	

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-18_1312	DSIP2-18_1312	DSIP2-18_1312
	Depth	2 – 4 ft	5 – 7 ft	8 – 10 ft	10 – 12 ft	2 – 4 ft	5 – 7 ft	7 – 9 ft	0.5 – 2.5 ft	10.5 – 12.5 ft	3 – 5 ft
	Sample ID	DSIP2-16-2-4	DSIP2-16-5-7	DSIP2-16-8-10	DSIP2-17-10-12	DSIP2-17-2-4	DSIP2-17-5-7	DSIP2-17-7-9	DSIP2-18-0.5-2.5	DSIP2-18-10.5-12.5	DSIP2-18-3-5
	Sample Date	11/20/2013	11/20/2013	11/20/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	12/3/2013	12/3/2013	12/3/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267562.84	1267562.84	1267562.84	1267480.85	1267480.85	1267480.85	1267480.85	1267490.47	1267490.47	1267490.47
	Y	204360.20	204360.20	204360.20	204502.28	204502.28	204502.28	204502.28	204558.51	204558.51	204558.51
	Soil Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,1,1-Trichloroethane	21000	1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,1,2,2-Tetrachloroethane	1	1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		2.3 U	2.1 U	2.1 U	4 U	1.6 U	1.7 U	2.2 U	--	--	--
1,1,2-Trichloroethane	1	1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,1-Dichloroethane		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,1-Dichloroethene	1.1	1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,1-Dichloropropene		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,2,3-Trichlorobenzene		5.7 U	5.1 U	5.4 U	9.9 U	3.9 U	4.3 U	5.4 U	--	--	--
1,2,3-Trichloropropane		2.3 U	2.1 U	2.1 U	4 U	1.6 U	1.7 U	2.2 U	--	--	--
1,2,4-Trichlorobenzene	5	--	--	--	--	3.9 U	4.3 U	--	--	--	--
1,2,4-Trimethylbenzene		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,2-Dibromo-3-chloropropane		5.7 U	5.1 U	5.4 U	9.9 U	3.9 U	4.3 U	5.4 U	--	--	--
1,2-Dichlorobenzene	3.7	1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,2-Dichloroethane	19	1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,2-Dichloroethene, cis-		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,2-Dichloroethene, trans-	320	1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,2-Dichloropropane	1	1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,3,5-Trimethylbenzene (Mesitylene)		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,3-Dichloropropane		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,3-Dichloropropene, cis-		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,3-Dichloropropene, trans-		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
1,4-Dichloro-2-butene, trans-		5.7 U	5.1 U	5.4 U	9.9 U	3.9 U	4.3 UJ	5.4 UJ	--	--	--
1,4-Dichlorobenzene	4.3	1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
2,2-Dichloropropane		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
2-Chloroethylvinyl ether		5.7 U	5.1 U	5.4 U	9.9 U	3.9 U	4.3 UJ	5.4 UJ	--	--	--
2-Chlorotoluene		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
2-Hexanone (Methyl butyl ketone)		5.7 U	5.1 U	5.4 U	9.9 U	3.9 U	4.3 U	5.4 U	--	--	--
4-Chlorotoluene		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)		5.7 U	5.1 U	5.4 U	9.9 U	3.9 U	4.3 U	5.4 U	--	--	--
Acetone		**40 J**	**16 J**	**11 J**	**130 J**	3.9 U	**14 J**	**19 J**	--	--	--
Acrolein		57 U	51 U	54 U	99 U	39 U	43 U	54 U	--	--	--
Acrylonitrile		5.7 U	5.1 U	5.4 U	9.9 U	3.9 U	4.3 U	5.4 U	--	--	--
Benzene	1	1.1 U	1 U	1.1 U	2 U	**1 J**	**1.1 J**	1.1 U	--	--	--
Bromobenzene		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Bromochloromethane		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Bromodichloromethane	1	1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Bromoform (Tribromomethane)	5	1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--

Table 7-5e
Soil Results: VOCs

		Location ID	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-18_1312	DSIP2-18_1312	DSIP2-18_1312
		Depth	2 – 4 ft	5 – 7 ft	8 – 10 ft	10 – 12 ft	2 – 4 ft	5 – 7 ft	7 – 9 ft	0.5 – 2.5 ft	10.5 – 12.5 ft	3 – 5 ft
		Sample ID	DSIP2-16-2-4	DSIP2-16-5-7	DSIP2-16-8-10	DSIP2-17-10-12	DSIP2-17-2-4	DSIP2-17-5-7	DSIP2-17-7-9	DSIP2-18-0.5-2.5	DSIP2-18-10.5-12.5	DSIP2-18-3-5
		Sample Date	11/20/2013	11/20/2013	11/20/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	12/3/2013	12/3/2013	12/3/2013
		Sample Type	N	N	N	N	N	N	N	N	N	N
		X	1267562.84	1267562.84	1267562.84	1267480.85	1267480.85	1267480.85	1267480.85	1267490.47	1267490.47	1267490.47
		Y	204360.20	204360.20	204360.20	204502.28	204502.28	204502.28	204502.28	204558.51	204558.51	204558.51
	Soil Screening Level											
Bromomethane (Methyl bromide)	78		1.1 U	1 U	1.1 U	2 U	**0.9 J**	0.9 UJ	1.1 UJ	--	--	--
Carbon disulfide			**3.5**	**29**	**26**	**11**	**1.5**	**3.4**	**1.2**	--	--	--
Carbon tetrachloride (Tetrachloromethane)	1		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Chlorobenzene	100		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Chloroethane			1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Chloroform	5.2		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Chloromethane			1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Cymene, p- (4-Isopropyltoluene)			1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Dibromochloromethane	1		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Dibromomethane			1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Dichlorodifluoromethane			1.1 UJ	1 UJ	1.1 UJ	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Dichloromethane (Methylene chloride)	30		2.3 U	2.1 U	2.3 U	**3.9 J**	**1.1 J**	**2.6**	**67**	--	--	--
Ethyl bromide (Bromoethane)			2.3 U	2.1 U	2.1 U	4 U	1.6 U	1.7 U	2.2 U	--	--	--
Ethylbenzene	15		1.1 U	1 U	1.1 U	**2.1 J**	**2.1**	**2.8**	1.1 U	--	--	--
Ethylene dibromide (1,2-Dibromoethane)			1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4		4.8 U	4.7 U	4.8 U	4.7 U	3.9 U	4.3 U	4.8 U	4.6 U	4.6 U	4.5 U
Isopropylbenzene (Cumene)			1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
m,p-Xylene			**1.4 J**	**1.7 J**	**1.5 J**	2 U	**2.3 J**	**5.9**	**2 J**	--	--	--
Methyl ethyl ketone (2-Butanone)			**6**	5.1 U	5.4 U	**22**	**3.2 J**	4.3 U	**3.7 J**	--	--	--
Methyl iodide (Iodomethane)			1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Methyl tert-butyl ether (MTBE)			1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Naphthalene	120		--	--	--	--	--	--	--	--	--	--
n-Butylbenzene			1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
n-Propylbenzene			1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
o-Xylene			1.1 U	1 U	1.1 U	2 U	**0.87 J**	**1 J**	1.1 U	--	--	--
sec-Butylbenzene			1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Styrene			1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
tert-Butylbenzene			1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Tetrachloroethene (PCE)	1.6		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Toluene	55		**20**	**19**	**20**	**25**	**4.8**	**5.3**	**2.9**	--	--	--
Trichloroethene (TCE)	1		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Trichlorofluoromethane (Fluorotrichloromethane)			1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--
Vinyl acetate			5.7 UJ	5.1 UJ	5.4 UJ	9.9 UJ	3.9 UJ	4.3 UJ	5.4 UJ	--	--	--
Vinyl chloride	1		1.1 U	1 U	1.1 U	2 U	0.8 U	0.9 U	1.1 U	--	--	--

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-18_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-21_1311
	Depth	7 – 9 ft	1.3 – 3.5 ft	10 – 12 ft	5 – 7 ft	7.5 – 9 ft	11 – 13 ft	2.5 – 4.5 ft	5 – 7 ft	7.5 – 9.5 ft	10 – 12 ft
	Sample ID	DSIP2-18-7-9	DSIP2-19-1.3-3.5	DSIP2-19-10-12	DSIP2-19-5-7	DSIP2-19-7.5-9	DSIP2-20-11-13	DSIP2-20-2.5-4.5	DSIP2-20-5-7	DSIP2-20-7.5-9.5	DSIP2-21-10-12
	Sample Date	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/2/2013	12/2/2013	12/2/2013	12/2/2013	11/22/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267490.47	1267489.96	1267489.96	1267489.96	1267489.96	1267608.74	1267608.74	1267608.74	1267608.74	1267645.48
	Y	204558.51	204622.78	204622.78	204622.78	204622.78	204585.93	204585.93	204585.93	204585.93	204478.29
Soil Screening Level											
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
1,1,1-Trichloroethane	21000	--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
1,1,2,2-Tetrachloroethane	1	--	--	--	--	--	**1.9 J**	0.8 U	1.4 U	1.3 U	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		--	--	--	--	--	4.8 U	1.6 U	2.7 U	2.7 U	--
1,1,2-Trichloroethane	1	--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
1,1-Dichloroethane		--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
1,1-Dichloroethene	1.1	--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
1,1-Dichloropropene		--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
1,2,3-Trichlorobenzene		--	--	--	--	--	12 UJ	4.1 U	6.8 U	6.7 U	--
1,2,3-Trichloropropane		--	--	--	--	--	4.8 UJ	1.6 U	2.7 U	2.7 U	--
1,2,4-Trichlorobenzene	5	--	--	--	--	--	--	4.1 U	--	--	--
1,2,4-Trimethylbenzene		--	--	--	--	--	**4.9 J**	0.8 U	1.4 U	1.3 U	--
1,2-Dibromo-3-chloropropane		--	--	--	--	--	12 UJ	4.1 U	6.8 U	6.7 U	--
1,2-Dichlorobenzene	3.7	--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
1,2-Dichloroethane	19	--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
1,2-Dichloroethene, cis-		--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
1,2-Dichloroethene, trans-	320	--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
1,2-Dichloropropane	1	--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
1,3,5-Trimethylbenzene (Mesitylene)		--	--	--	--	--	**1.3 J**	0.8 U	1.4 U	1.3 U	--
1,3-Dichloropropane		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
1,3-Dichloropropene, cis-		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
1,3-Dichloropropene, trans-		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
1,4-Dichloro-2-butene, trans-		--	--	--	--	--	12 UJ	4.1 UJ	6.8 UJ	6.7 UJ	--
1,4-Dichlorobenzene	4.3	--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
2,2-Dichloropropane		--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
2-Chloroethylvinyl ether		--	--	--	--	--	**-- R**	4.1 UJ	6.8 UJ	6.7 UJ	--
2-Chlorotoluene		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
2-Hexanone (Methyl butyl ketone)		--	--	--	--	--	12 U	4.1 U	6.8 U	6.7 U	--
4-Chlorotoluene		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)		--	--	--	--	--	12 U	4.1 U	6.8 U	6.7 U	--
Acetone		--	--	--	--	--	**120 J**	**23 J**	**12 J**	**43 J**	--
Acrolein		--	--	--	--	--	**-- R**	41 U	68 U	67 U	--
Acrylonitrile		--	--	--	--	--	12 U	4.1 U	6.8 U	6.7 U	--
Benzene	1	--	--	--	--	--	**19**	**0.8**	1.3 U	**8**	--
Bromobenzene		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
Bromochloromethane		--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
Bromodichloromethane	1	--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
Bromoform (Tribromomethane)	5	--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-18_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-21_1311
	Depth	7 – 9 ft	1.3 – 3.5 ft	10 – 12 ft	5 – 7 ft	7.5 – 9 ft	11 – 13 ft	2.5 – 4.5 ft	5 – 7 ft	7.5 – 9.5 ft	10 – 12 ft
	Sample ID	DSIP2-18-7-9	DSIP2-19-1.3-3.5	DSIP2-19-10-12	DSIP2-19-5-7	DSIP2-19-7.5-9	DSIP2-20-11-13	DSIP2-20-2.5-4.5	DSIP2-20-5-7	DSIP2-20-7.5-9.5	DSIP2-21-10-12
	Sample Date	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/2/2013	12/2/2013	12/2/2013	12/2/2013	11/22/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267490.47	1267489.96	1267489.96	1267489.96	1267489.96	1267608.74	1267608.74	1267608.74	1267608.74	1267645.48
	Y	204558.51	204622.78	204622.78	204622.78	204622.78	204585.93	204585.93	204585.93	204585.93	204478.29
	Soil Screening Level										
Bromomethane (Methyl bromide)	78	--	--	--	--	--	2.4 UJ	0.8 UJ	1.4 UJ	1.3 UJ	--
Carbon disulfide		--	--	--	--	--	**12**	0.8 U	**3.4**	**2.3**	--
Carbon tetrachloride (Tetrachloromethane)	1	--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
Chlorobenzene	100	--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
Chloroethane		--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
Chloroform	5.2	--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
Chloromethane		--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
Cymene, p- (4-Isopropyltoluene)		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
Dibromochloromethane	1	--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
Dibromomethane		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
Dichlorodifluoromethane		--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
Dichloromethane (Methylene chloride)	30	--	--	--	--	--	**6.9 J**	**1.7 J**	**3.6 J**	**2.2 J**	--
Ethyl bromide (Bromoethane)		--	--	--	--	--	4.8 U	1.6 U	2.7 U	2.7 U	--
Ethylbenzene	15	--	--	--	--	--	2.4 UJ	0.8 U	**0.76 J**	1.3 U	--
Ethylene dibromide (1,2-Dibromoethane)		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	15 U	4.7 U	14 U	4.6 U	4.8 U	4.8 UJ	4.1 U	4.7 UJ	5 UJ	4.9 U
Isopropylbenzene (Cumene)		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
m,p-Xylene		--	--	--	--	--	**1.8 J**	0.8 U	**2.5 J**	1.3 U	--
Methyl ethyl ketone (2-Butanone)		--	--	--	--	--	**29**	**2.1 J**	6.8 U	**8.4**	--
Methyl iodide (Iodomethane)		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
Methyl tert-butyl ether (MTBE)		--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
Naphthalene	120	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
n-Propylbenzene		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
o-Xylene		--	--	--	--	--	2.4 UJ	0.8 U	**0.9 J**	1.3 U	--
sec-Butylbenzene		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
Styrene		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
tert-Butylbenzene		--	--	--	--	--	2.4 UJ	0.8 U	1.4 U	1.3 U	--
Tetrachloroethene (PCE)	1.6	--	--	--	--	--	2.4 UJ	**24**	1.4 U	1.3 U	--
Toluene	55	--	--	--	--	--	**7.2**	**1.6**	**3**	**2.6**	--
Trichloroethene (TCE)	1	--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
Trichlorofluoromethane (Fluorotrichloromethane)		--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--
Vinyl acetate		--	--	--	--	--	12 UJ	4.1 UJ	6.8 UJ	6.7 UJ	--
Vinyl chloride	1	--	--	--	--	--	2.4 U	0.8 U	1.4 U	1.3 U	--

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-21_1311	DSIP2-21_1311	DSIP2-21_1311	DSIP2-22_1312	DSIP2-22_1312	DSIP2-22_1312	DSIP2-22_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312
	Depth	2 – 4 ft	5 – 7 ft	7 – 9 ft	10 – 12 ft	2 – 4 ft	4 – 6 ft	7 – 9 ft	1.5 – 3 ft	10.5 – 12.5 ft	5 – 7 ft
	Sample ID	DSIP2-21-2-4	DSIP2-21-5-7	DSIP2-21-7-9	DSIP2-22-10-12	DSIP2-22-2-4	DSIP2-22-4-6	DSIP2-22-7-9	DSIP2-23-1.5-3	DSIP2-23-10.5-12.5	DSIP2-23-5-7
	Sample Date	11/22/2013	11/22/2013	11/22/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/2/2013	12/2/2013	12/2/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267645.48	1267645.48	1267645.48	1267750.33	1267750.33	1267750.33	1267750.33	1267680.39	1267680.39	1267680.39
	Y	204478.29	204478.29	204478.29	204629.75	204629.75	204629.75	204629.75	204601.37	204601.37	204601.37
	Soil Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,1,1-Trichloroethane	21000	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,1,2,2-Tetrachloroethane	1	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		--	--	--	--	--	--	--	1.9 U	3.4 U	1.6 U
1,1,2-Trichloroethane	1	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,1-Dichloroethane		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,1-Dichloroethene	1.1	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,1-Dichloropropene		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,2,3-Trichlorobenzene		--	--	--	--	--	--	--	4.7 U	8.4 U	4 U
1,2,3-Trichloropropane		--	--	--	--	--	--	--	1.9 U	3.4 U	1.6 U
1,2,4-Trichlorobenzene	5	--	--	--	--	--	--	--	4.7 U	--	4 U
1,2,4-Trimethylbenzene		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,2-Dibromo-3-chloropropane		--	--	--	--	--	--	--	4.7 U	8.4 U	4 U
1,2-Dichlorobenzene	3.7	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,2-Dichloroethane	19	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,2-Dichloroethene, cis-		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,2-Dichloroethene, trans-	320	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,2-Dichloropropane	1	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,3,5-Trimethylbenzene (Mesitylene)		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,3-Dichloropropane		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,3-Dichloropropene, cis-		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,3-Dichloropropene, trans-		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
1,4-Dichloro-2-butene, trans-		--	--	--	--	--	--	--	4.7 UJ	8.4 UJ	4 UJ
1,4-Dichlorobenzene	4.3	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
2,2-Dichloropropane		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
2-Chloroethylvinyl ether		--	--	--	--	--	--	--	4.7 UJ	8.4 UJ	4 UJ
2-Chlorotoluene		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
2-Hexanone (Methyl butyl ketone)		--	--	--	--	--	--	--	4.7 U	8.4 U	4 U
4-Chlorotoluene		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		--	--	--	--	--	--	--	4.7 U	8.4 U	4 U
Acetone		--	--	--	--	--	--	--	**34 J**	**63 J**	**9.6 J**
Acrolein		--	--	--	--	--	--	--	47 U	84 U	40 U
Acrylonitrile		--	--	--	--	--	--	--	4.7 U	8.4 U	4 U
Benzene	1	--	--	--	--	--	--	--	**0.7 J**	1.7 U	0.8 U
Bromobenzene		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Bromochloromethane		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Bromodichloromethane	1	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Bromoform (Tribromomethane)	5	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-21_1311	DSIP2-21_1311	DSIP2-21_1311	DSIP2-22_1312	DSIP2-22_1312	DSIP2-22_1312	DSIP2-22_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312
	Depth	2 – 4 ft	5 – 7 ft	7 – 9 ft	10 – 12 ft	2 – 4 ft	4 – 6 ft	7 – 9 ft	1.5 – 3 ft	10.5 – 12.5 ft	5 – 7 ft
	Sample ID	DSIP2-21-2-4	DSIP2-21-5-7	DSIP2-21-7-9	DSIP2-22-10-12	DSIP2-22-2-4	DSIP2-22-4-6	DSIP2-22-7-9	DSIP2-23-1.5-3	DSIP2-23-10.5-12.5	DSIP2-23-5-7
	Sample Date	11/22/2013	11/22/2013	11/22/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/2/2013	12/2/2013	12/2/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267645.48	1267645.48	1267645.48	1267750.33	1267750.33	1267750.33	1267750.33	1267680.39	1267680.39	1267680.39
	Y	204478.29	204478.29	204478.29	204629.75	204629.75	204629.75	204629.75	204601.37	204601.37	204601.37
	Soil Screening Level										
Bromomethane (Methyl bromide)	78	--	--	--	--	--	--	--	0.9 UJ	1.7 UJ	0.8 UJ
Carbon disulfide		--	--	--	--	--	--	--	**1.3**	**2.7**	**0.9**
Carbon tetrachloride (Tetrachloromethane)	1	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Chlorobenzene	100	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Chloroethane		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Chloroform	5.2	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Chloromethane		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Cymene, p- (4-Isopropyltoluene)		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Dibromochloromethane	1	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Dibromomethane		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Dichlorodifluoromethane		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Dichloromethane (Methylene chloride)	30	--	--	--	--	--	--	--	1.9 U	3.4 U	**1.8 J**
Ethyl bromide (Bromoethane)		--	--	--	--	--	--	--	1.9 U	3.4 U	1.6 U
Ethylbenzene	15	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Ethylene dibromide (1,2-Dibromoethane)		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	4.7 U	5 U	4.9 U	4.8 U	4.8 U	4.6 U	4.6 U	4.7 U	4.9 UJ	4 U
Isopropylbenzene (Cumene)		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
m,p-Xylene		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Methyl ethyl ketone (2-Butanone)		--	--	--	--	--	--	--	**7.7**	**13**	**2.3 J**
Methyl iodide (Iodomethane)		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Methyl tert-butyl ether (MTBE)		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Naphthalene	120	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
n-Propylbenzene		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
o-Xylene		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
sec-Butylbenzene		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Styrene		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
tert-Butylbenzene		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Tetrachloroethene (PCE)	1.6	--	--	--	--	--	--	--	0.9 U	1.7 U	**0.4 J**
Toluene	55	--	--	--	--	--	--	--	**2.1**	**4.5**	**1.8**
Trichloroethene (TCE)	1	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Trichlorofluoromethane (Fluorotrichloromethane)		--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U
Vinyl acetate		--	--	--	--	--	--	--	4.7 UJ	8.4 UJ	4 UJ
Vinyl chloride	1	--	--	--	--	--	--	--	0.9 U	1.7 U	0.8 U

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-23_1312	DSIP2-23_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311
	Depth	5 – 7 ft	7.5 – 9.5 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	8.5 – 10 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft
	Sample ID	DSIP2-73-5-7	DSIP2-23-7.5-9.5	DSIP2-24-1-3	DSIP2-24-3.5-5.5	DSIP2-24-6-8	DSIP2-24-8.5-10	DSIP2-25-2-4	DSIP2-25-4-6	DSIP2-25-6-8	DSIP2-25-9-11
	Sample Date	12/2/2013	12/2/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013
	Sample Type	FD	N	N	N	N	N	N	N	N	N
	X	1267680.39	1267680.39	1267794.30	1267794.30	1267794.30	1267794.30	1267844.52	1267844.52	1267844.52	1267844.52
	Y	204601.37	204601.37	204566.47	204566.47	204566.47	204566.47	204565.36	204565.36	204565.36	204565.36
	Soil Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,1,1-Trichloroethane	21000	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,1,2,2-Tetrachloroethane	1	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		1.9 U	2.1 U	4.4 U	3.1 U	2.1 U	4.9 U	2.1 U	2 U	2.2 U	2.8 U
1,1,2-Trichloroethane	1	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,1-Dichloroethane		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,1-Dichloroethene	1.1	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,1-Dichloropropene		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,2,3-Trichlorobenzene		4.7 U	5.3 U	11 U	7.8 U	5.2 U	12 U	5.3 U	5.1 U	5.5 U	6.9 U
1,2,3-Trichloropropane		1.9 U	2.1 U	4.4 U	3.1 U	2.1 U	4.9 U	2.1 U	2 U	2.2 U	2.8 U
1,2,4-Trichlorobenzene	5	4.7 U	--	11 U	--	--	12 U	--	--	--	--
1,2,4-Trimethylbenzene		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,2-Dibromo-3-chloropropane		4.7 U	5.3 U	11 U	7.8 U	5.2 UJ	12 UJ	5.3 UJ	5.1 UJ	5.5 UJ	6.9 UJ
1,2-Dichlorobenzene	3.7	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,2-Dichloroethane	19	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,2-Dichloroethene, cis-		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,2-Dichloroethene, trans-	320	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,2-Dichloropropane	1	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,3-Dichloropropane		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,3-Dichloropropene, cis-		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,3-Dichloropropene, trans-		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
1,4-Dichloro-2-butene, trans-		4.7 UJ	5.3 UJ	11 UJ	7.8 UJ	5.2 UJ	12 UJ	5.3 UJ	5.1 UJ	5.5 UJ	6.9 UJ
1,4-Dichlorobenzene	4.3	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
2,2-Dichloropropane		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
2-Chloroethylvinyl ether		4.7 UJ	5.3 UJ	11 UJ	7.8 UJ	**-- R**	12 UJ	5.3 UJ	5.1 UJ	5.5 UJ	6.9 UJ
2-Chlorotoluene		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
2-Hexanone (Methyl butyl ketone)		4.7 U	5.3 U	11 U	7.8 U	5.2 U	12 U	5.3 U	5.1 U	5.5 U	6.9 U
4-Chlorotoluene		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		4.7 U	5.3 U	11 U	7.8 U	5.2 U	12 U	5.3 U	5.1 U	5.5 U	6.9 U
Acetone		**15 J**	**13 J**	11 U	**13 J**	5.2 UJ	**140 J**	**14 J**	**16 J**	5.5 U	**110 J**
Acrolein		47 U	53 U	110 U	78 U	52 UJ	120 U	53 U	51 U	55 U	69 U
Acrylonitrile		4.7 U	5.3 U	11 U	7.8 U	5.2 U	12 U	5.3 U	5.1 U	5.5 U	6.9 U
Benzene	1	0.9 U	1 U	**2.6**	**0.97 J**	**0.8 J**	**2 J**	1.1 U	**0.6 J**	**0.82 J**	**1.7 J**
Bromobenzene		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Bromochloromethane		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Bromodichloromethane	1	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Bromoform (Tribromomethane)	5	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-23_1312	DSIP2-23_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-24_1312	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311
	Depth	5 – 7 ft	7.5 – 9.5 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	8.5 – 10 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft
	Sample ID	DSIP2-73-5-7	DSIP2-23-7.5-9.5	DSIP2-24-1-3	DSIP2-24-3.5-5.5	DSIP2-24-6-8	DSIP2-24-8.5-10	DSIP2-25-2-4	DSIP2-25-4-6	DSIP2-25-6-8	DSIP2-25-9-11
	Sample Date	12/2/2013	12/2/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013
	Sample Type	FD	N	N	N	N	N	N	N	N	N
	X	1267680.39	1267680.39	1267794.30	1267794.30	1267794.30	1267794.30	1267844.52	1267844.52	1267844.52	1267844.52
	Y	204601.37	204601.37	204566.47	204566.47	204566.47	204566.47	204565.36	204565.36	204565.36	204565.36
	Soil Screening Level										
Bromomethane (Methyl bromide)	78	0.9 UJ	1.1 UJ	2.2 UJ	1.6 UJ	1 UJ	2.4 UJ	1.1 UJ	1 UJ	1.1 UJ	1.4 UJ
Carbon disulfide		**4.4**	**1.5**	**1.7 J**	**1.3 J**	**3.8**	**15**	1.1 U	**10**	**2.1**	**11**
Carbon tetrachloride (Tetrachloromethane)	1	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Chlorobenzene	100	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Chloroethane		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Chloroform	5.2	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Chloromethane		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Cymene, p- (4-Isopropyltoluene)		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Dibromochloromethane	1	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Dibromomethane		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Dichlorodifluoromethane		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Dichloromethane (Methylene chloride)	30	**1.2 J**	**1.6 J**	**3.1 J**	**3.4 J**	**2.1**	4.9 U	**3 J**	**1.5 J**	**1.4 J**	**1.7 J**
Ethyl bromide (Bromoethane)		1.9 U	2.1 U	4.4 U	3.1 U	2.1 U	4.9 U	2.1 U	2 U	2.2 U	2.8 U
Ethylbenzene	15	0.9 U	1 U	**2.5**	**1.9**	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Ethylene dibromide (1,2-Dibromoethane)		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	4.7 U	4.9 UJ	11 U	4.9 U	4.9 U	12 U	4.9 U	5 U	5 U	4.8 U
Isopropylbenzene (Cumene)		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
m,p-Xylene		0.9 U	1.1 U	**10**	**2.1 J**	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Methyl ethyl ketone (2-Butanone)		4.7 U	5.3 U	11 U	7.8 U	5.2 U	**33**	5.3 U	5.1 U	5.5 U	**23**
Methyl iodide (Iodomethane)		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Methyl tert-butyl ether (MTBE)		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Naphthalene	120	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
n-Propylbenzene		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
o-Xylene		0.9 U	1 U	**6.6**	**0.83 J**	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
sec-Butylbenzene		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Styrene		0.9 U	1.1 U	2.2 U	1.6 U	1 UJ	2.4 U	1.1 U	1 U	1.1 U	1.4 U
tert-Butylbenzene		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Tetrachloroethene (PCE)	1.6	**0.5 J**	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Toluene	55	**2.2**	**1.6**	**5.4**	**4.4**	**2.4**	**11**	**2.4**	**2.3**	**1.8**	**4.3**
Trichloroethene (TCE)	1	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Trichlorofluoromethane (Fluorotrichloromethane)		0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U
Vinyl acetate		4.7 UJ	5.3 UJ	11 UJ	7.8 UJ	5.2 UJ	12 UJ	5.3 UJ	5.1 UJ	5.5 UJ	6.9 UJ
Vinyl chloride	1	0.9 U	1.1 U	2.2 U	1.6 U	1 U	2.4 U	1.1 U	1 U	1.1 U	1.4 U

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-26_1312	DSIP2-26_1312	DSIP2-26_1312	DSIP2-26_1312	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-28_1312	DSIP2-28_1312
	Depth	1 – 3 ft	3 – 5 ft	5 – 7 ft	8.5 – 10 ft	1.5 – 3.5 ft	11 – 13 ft	5 – 7 ft	8 – 10 ft	1 – 3 ft	3 – 5 ft
	Sample ID	DSIP2-26-1-3	DSIP2-26-3-5	DSIP2-26-5-7	DSIP2-26-8.5-10	DSIP2-27-1.5-3.5	DSIP2-27-11-13	DSIP2-27-5-7	DSIP2-27-8-10	DSIP2-28-1-3	DSIP2-28-3-5
	Sample Date	12/3/2013	12/3/2013	12/3/2013	12/3/2013	11/20/2013	11/20/2013	11/20/2013	11/20/2013	12/2/2013	12/2/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267925.30	1267925.30	1267925.30	1267925.30	1267800.30	1267800.30	1267800.30	1267800.30	1267985.36	1267985.36
	Y	204539.02	204539.02	204539.02	204539.02	204380.32	204380.32	204380.32	204380.32	204392.42	204392.42
	Soil Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
1,1,1-Trichloroethane	21000	1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
1,1,2,2-Tetrachloroethane	1	1.9 U	1.7 U	1.1 U	2.5 U	1.1 UJ	2 U	0.8 U	1.4 U	0.7 U	52 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		3.9 U	3.4 U	2.3 U	5 U	2.3 U	4 U	1.6 U	2.7 U	1.4 U	100 U
1,1,2-Trichloroethane	1	1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
1,1-Dichloroethane		1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
1,1-Dichloroethene	1.1	1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
1,1-Dichloropropene		1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
1,2,3-Trichlorobenzene		9.7 U	8.4 U	5.7 U	12 U	5.6 UJ	10 U	4.1 U	6.8 U	3.5 U	260 U
1,2,3-Trichloropropane		3.9 U	3.4 U	2.3 U	5 U	2.3 UJ	4 U	1.6 U	2.7 U	1.4 U	100 U
1,2,4-Trichlorobenzene	5	--	--	--	12 U	5.6 UJ	--	4.1 U	--	3.5 U	--
1,2,4-Trimethylbenzene		1.9 U	1.7 U	1.1 U	2.5 U	**2.8 J**	2 U	0.8 U	1.4 U	0.7 U	52 U
1,2-Dibromo-3-chloropropane		9.7 UJ	8.4 UJ	5.7 UJ	12 UJ	5.6 UJ	10 U	4.1 U	6.8 U	3.5 U	260 UJ
1,2-Dichlorobenzene	3.7	1.9 U	1.7 U	1.1 U	2.5 U	1.1 UJ	2 U	0.8 U	--	0.7 U	52 U
1,2-Dichloroethane	19	1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
1,2-Dichloroethene, cis-		1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
1,2-Dichloroethene, trans-	320	1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
1,2-Dichloropropane	1	1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
1,3,5-Trimethylbenzene (Mesitylene)		1.9 U	1.7 U	1.1 U	2.5 U	**1.2 J**	2 U	0.8 U	1.4 U	0.7 U	52 U
1,3-Dichloropropane		1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
1,3-Dichloropropene, cis-		1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
1,3-Dichloropropene, trans-		1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
1,4-Dichloro-2-butene, trans-		9.7 UJ	8.4 UJ	5.7 UJ	12 UJ	5.6 U	10 U	4.1 U	6.8 U	3.5 UJ	260 UJ
1,4-Dichlorobenzene	4.3	1.9 U	1.7 U	--	2.5 U	1.1 UJ	2 U	0.8 U	--	0.7 U	52 U
2,2-Dichloropropane		1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
2-Chloroethylvinyl ether		9.7 UJ	8.4 UJ	5.7 UJ	12 UJ	5.6 U	10 U	4.1 U	6.8 U	3.5 UJ	260 UJ
2-Chlorotoluene		1.9 U	1.7 U	1.1 U	2.5 U	1.1 UJ	2 U	0.8 U	1.4 U	0.7 U	52 U
2-Hexanone (Methyl butyl ketone)		9.7 U	8.4 U	5.7 U	12 U	5.6 U	10 U	4.1 U	6.8 U	3.5 U	260 U
4-Chlorotoluene		1.9 U	1.7 U	1.1 U	2.5 U	1.1 UJ	2 U	0.8 U	1.4 U	0.7 U	52 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		9.7 U	8.4 U	5.7 U	12 U	5.6 U	10 U	4.1 U	6.8 U	3.5 U	260 U
Acetone		**67 J**	8.4 UJ	**44 J**	**120 J**	**100 J**	**120 J**	4.1 UJ	**14 J**	**14 J**	260 UJ
Acrolein		97 U	84 U	57 U	120 U	56 U	100 U	41 U	68 U	35 U	2600 U
Acrylonitrile		9.7 U	8.4 U	5.7 U	12 U	5.6 U	10 U	4.1 U	6.8 U	3.5 U	260 U
Benzene	1	**1.3 J**	1.4 U	**0.7 J**	**1.9 J**	**3.1**	2 U	**2.8**	**1.3 J**	**0.63 J**	**3.4**
Bromobenzene		1.9 U	1.7 U	1.1 U	2.5 U	1.1 UJ	2 U	0.8 U	1.4 U	0.7 U	52 U
Bromochloromethane		1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
Bromodichloromethane	1	1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
Bromoform (Tribromomethane)	5	1.9 U	1.7 U	1.1 U	2.5 U	1.1 UJ	2 U	0.8 U	1.4 U	0.7 U	52 U

Table 7-5e
Soil Results: VOCs

		Location ID	DSIP2-26_1312	DSIP2-26_1312	DSIP2-26_1312	DSIP2-26_1312	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-28_1312	DSIP2-28_1312
		Depth	1 – 3 ft	3 – 5 ft	5 – 7 ft	8.5 – 10 ft	1.5 – 3.5 ft	11 – 13 ft	5 – 7 ft	8 – 10 ft	1 – 3 ft	3 – 5 ft
		Sample ID	DSIP2-26-1-3	DSIP2-26-3-5	DSIP2-26-5-7	DSIP2-26-8.5-10	DSIP2-27-1.5-3.5	DSIP2-27-11-13	DSIP2-27-5-7	DSIP2-27-8-10	DSIP2-28-1-3	DSIP2-28-3-5
		Sample Date	12/3/2013	12/3/2013	12/3/2013	12/3/2013	11/20/2013	11/20/2013	11/20/2013	11/20/2013	12/2/2013	12/2/2013
		Sample Type	N	N	N	N	N	N	N	N	N	N
		X	1267925.30	1267925.30	1267925.30	1267925.30	1267800.30	1267800.30	1267800.30	1267800.30	1267985.36	1267985.36
		Y	204539.02	204539.02	204539.02	204539.02	204380.32	204380.32	204380.32	204380.32	204392.42	204392.42
	Soil Screening Level											
Bromomethane (Methyl bromide)	78		1.9 UJ	1.7 UJ	1.1 UJ	2.5 UJ	1.1 U	2 U	0.8 U	1.4 U	0.7 UJ	**130 J**
Carbon disulfide			**12**	**6**	**8.3**	**13**	**2.6**	**6.7**	**11**	**65**	**0.9**	52 U
Carbon tetrachloride (Tetrachloromethane)	1		1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
Chlorobenzene	100		1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	**1.3 J**	0.7 U	52 U
Chloroethane			1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
Chloroform	5.2		1.9 U	1.7 U	1.1 U	2.5 U	**1.2**	2 U	0.8 U	1.4 U	0.7 U	52 U
Chloromethane			1.9 U	1.7 U	1.1 U	2.5 U	**1.3**	2 U	**0.9**	1.4 U	0.7 U	52 U
Cymene, p- (4-Isopropyltoluene)			1.9 U	1.7 U	1.1 U	2.5 U	**0.7 J**	2 U	0.8 U	1.4 U	0.7 U	52 U
Dibromochloromethane	1		1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
Dibromomethane			1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
Dichlorodifluoromethane			1.9 U	1.7 U	1.1 U	2.5 U	1.1 UJ	2 UJ	0.8 UJ	1.4 UJ	0.7 U	52 U
Dichloromethane (Methylene chloride)	30		3.9 U	3.4 U	**1.3 J**	**3 J**	2.3 U	4 U	1.6 U	2.7 U	**0.7 J**	100 U
Ethyl bromide (Bromoethane)			3.9 U	3.4 U	2.3 U	5 U	2.3 U	4 U	1.6 U	2.7 U	1.4 U	100 U
Ethylbenzene	15		**0.84 J**	1.4 U	**1.9**	**2 J**	**1.7**	2 U	0.8 U	1.4 U	0.7 U	**2.4**
Ethylene dibromide (1,2-Dibromoethane)			1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4		4.7 U	4.9 U	4.7 U	12 U	5.6 UJ	4.8 U	4.1 U	4.7 U	3.5 U	60 U
Isopropylbenzene (Cumene)			1.9 U	1.7 U	1.1 U	2.5 U	**0.8 J**	2 U	0.8 U	1.4 U	**1.2**	52 U
m,p-Xylene			**2.8 J**	1.7 U	**7.3**	**4.1 J**	**4.4**	**3.8 J**	0.8 U	1.4 U	**3.2**	**4.1**
Methyl ethyl ketone (2-Butanone)			**6.7 J**	8.4 U	**3.3 J**	**24**	**12**	**26**	4.1 U	6.8 U	**2 J**	260 U
Methyl iodide (Iodomethane)			1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	**31 J**
Methyl tert-butyl ether (MTBE)			1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
Naphthalene	120		--	--	--	--	--	--	--	--	--	--
n-Butylbenzene			1.9 U	1.7 U	1.1 U	2.5 U	1.1 UJ	2 U	0.8 U	1.4 U	**1.4**	52 U
n-Propylbenzene			1.9 U	1.7 U	1.1 U	2.5 U	**0.9 J**	2 U	0.8 U	1.4 U	**1.3**	52 U
o-Xylene			**1.2 J**	1.4 U	**4**	2.5 U	**2.6**	2 U	0.8 U	1.4 U	**33**	**1.6**
sec-Butylbenzene			1.9 U	1.7 U	1.1 U	2.5 U	1.1 UJ	2 U	0.8 U	1.4 U	**2**	**27 J**
Styrene			1.9 U	1.7 U	1.1 U	2.5 U	**0.7 J**	2 U	0.8 U	1.4 U	0.7 U	52 U
tert-Butylbenzene			1.9 U	1.7 U	1.1 U	2.5 U	1.1 UJ	2 U	0.8 U	1.4 U	0.7 U	52 U
Tetrachloroethene (PCE)	1.6		**1.6 J**	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
Toluene	55		**3.8**	**2.2**	**32**	**51**	**5**	**6.2**	**5**	**14**	**22**	**17**
Trichloroethene (TCE)	1		1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
Trichlorofluoromethane (Fluorotrichloromethane)			1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U
Vinyl acetate			9.7 UJ	8.4 UJ	5.7 UJ	12 UJ	5.6 UJ	10 UJ	4.1 UJ	6.8 UJ	3.5 UJ	260 UJ
Vinyl chloride	1		1.9 U	1.7 U	1.1 U	2.5 U	1.1 U	2 U	0.8 U	1.4 U	0.7 U	52 U

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-28_1312	DSIP2-28_1312	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-30_1312	DSIP2-30_1312	DSIP2-30_1312	DSIP2-30_1312	DSIP2-31_1311
	Depth	5 – 6 ft	7 – 9 ft	1 – 3 ft	5 – 7 ft	8 – 10 ft	1.5 – 3.5 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft	2 – 4 ft
	Sample ID	DSIP2-28-5-6	DSIP2-28-7-9	DSIP2-29-1-3	DSIP2-29-5-7	DSIP2-29-8-10	DSIP2-30-1.5-3.5	DSIP2-30-4-6	DSIP2-30-6-8	DSIP2-30-9-11	DSIP2-31-2-4
	Sample Date	12/2/2013	12/2/2013	11/25/2013	11/25/2013	11/25/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	11/25/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267985.36	1267985.36	1267967.58	1267967.58	1267967.58	1267741.83	1267741.83	1267741.83	1267741.83	1267814.19
	Y	204392.42	204392.42	204223.52	204223.52	204223.52	204585.73	204585.73	204585.73	204585.73	204503.36
	Soil Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
1,1,1-Trichloroethane	21000	1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
1,1,2,2-Tetrachloroethane	1	1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		2.8 U	3.3 U	2.2 U	4.2 U	4.6 U	1.8 U	2.2 U	4.3 U	4.7 U	1.7 U
1,1,2-Trichloroethane	1	1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
1,1-Dichloroethane		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	**0.6 J**
1,1-Dichloroethene	1.1	1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
1,1-Dichloropropene		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
1,2,3-Trichlorobenzene		6.9 U	8.1 U	5.4 U	10 U	11 U	4.5 U	5.5 U	11 U	12 U	4.2 U
1,2,3-Trichloropropane		2.8 U	3.3 U	2.2 U	4.2 U	4.6 U	1.8 U	2.2 U	4.3 U	4.7 U	1.7 U
1,2,4-Trichlorobenzene	5	--	--	--	10 U	--	4.5 U	--	--	--	4.2 U
1,2,4-Trimethylbenzene		1.4 U	**1.3 J**	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
1,2-Dibromo-3-chloropropane		6.9 U	8.1 U	5.4 U	10 U	11 UJ	4.5 UJ	5.5 UJ	11 UJ	12 UJ	4.2 UJ
1,2-Dichlorobenzene	3.7	1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
1,2-Dichloroethane	19	1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
1,2-Dichloroethene, cis-		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	**1.4**	1.1 U	2.2 U	2.4 U	**7.3**
1,2-Dichloroethene, trans-	320	1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
1,2-Dichloropropane	1	1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
1,3,5-Trimethylbenzene (Mesitylene)		1.4 U	**1.3 J**	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
1,3-Dichloropropane		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
1,3-Dichloropropene, cis-		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
1,3-Dichloropropene, trans-		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
1,4-Dichloro-2-butene, trans-		6.9 UJ	8.1 UJ	5.4 UJ	10 UJ	11 UJ	4.5 UJ	5.5 UJ	11 UJ	12 UJ	4.2 UJ
1,4-Dichlorobenzene	4.3	1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
2,2-Dichloropropane		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
2-Chloroethylvinyl ether		6.9 UJ	8.1 UJ	5.4 U	10 U	11 UJ	4.5 UJ	5.5 UJ	11 UJ	12 UJ	4.2 UJ
2-Chlorotoluene		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
2-Hexanone (Methyl butyl ketone)		6.9 U	8.1 U	5.4 U	10 U	11 U	4.5 U	5.5 U	11 U	12 U	4.2 U
4-Chlorotoluene		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		6.9 U	8.1 U	5.4 U	10 U	11 U	4.5 U	5.5 U	11 U	12 U	4.2 U
Acetone		**44 J**	**62 J**	**66 J**	**120 J**	**250 J**	**50 J**	**23 J**	11 UJ	**220 J**	**31 J**
Acrolein		69 U	81 U	54 U	100 U	110 U	45 U	55 U	110 U	120 U	42 U
Acrylonitrile		6.9 U	8.1 U	5.4 U	10 U	11 U	4.5 U	5.5 U	11 U	12 U	4.2 U
Benzene	1	**2.8**	**1.1 J**	**0.97 J**	2.1 U	2.3 U	**2.1**	1.1 U	1.4 U	**2.8**	**3.1**
Bromobenzene		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Bromochloromethane		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Bromodichloromethane	1	1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Bromoform (Tribromomethane)	5	1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U

Table 7-5e
Soil Results: VOCs

		Location ID	DSIP2-28_1312	DSIP2-28_1312	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-30_1312	DSIP2-30_1312	DSIP2-30_1312	DSIP2-30_1312	DSIP2-31_1311
		Depth	5 – 6 ft	7 – 9 ft	1 – 3 ft	5 – 7 ft	8 – 10 ft	1.5 – 3.5 ft	4 – 6 ft	6 – 8 ft	9 – 11 ft	2 – 4 ft
		Sample ID	DSIP2-28-5-6	DSIP2-28-7-9	DSIP2-29-1-3	DSIP2-29-5-7	DSIP2-29-8-10	DSIP2-30-1.5-3.5	DSIP2-30-4-6	DSIP2-30-6-8	DSIP2-30-9-11	DSIP2-31-2-4
		Sample Date	12/2/2013	12/2/2013	11/25/2013	11/25/2013	11/25/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	11/25/2013
		Sample Type	N	N	N	N	N	N	N	N	N	N
		X	1267985.36	1267985.36	1267967.58	1267967.58	1267967.58	1267741.83	1267741.83	1267741.83	1267741.83	1267814.19
		Y	204392.42	204392.42	204223.52	204223.52	204223.52	204585.73	204585.73	204585.73	204585.73	204503.36
	Soil Screening Level											
Bromomethane (Methyl bromide)	78		1.4 UJ	1.6 UJ	1.1 U	2.1 U	2.3 UJ	0.9 UJ	1.1 UJ	2.2 UJ	2.4 UJ	0.8 UJ
Carbon disulfide			**3.5**	**15**	**49**	**9**	**20**	**5**	1.1 U	**7.8**	**5.6**	**0.5 J**
Carbon tetrachloride (Tetrachloromethane)	1		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Chlorobenzene	100		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Chloroethane			1.4 U	1.6 U	1.1 UJ	2.1 UJ	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Chloroform	5.2		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Chloromethane			1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Cymene, p- (4-Isopropyltoluene)			1.4 U	1.6 U	**1.8**	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Dibromochloromethane	1		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Dibromomethane			1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Dichlorodifluoromethane			1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Dichloromethane (Methylene chloride)	30		**2.8 J**	**4 J**	**4 J**	**3 J**	**6.7 J**	1.8 U	**1.2 J**	**5.3**	**4.4 J**	**0.9 J**
Ethyl bromide (Bromoethane)			2.8 U	3.3 U	2.2 U	4.2 U	4.6 U	1.8 U	2.2 U	4.3 U	4.7 U	1.7 U
Ethylbenzene	15		**1.1 J**	1.6 U	**0.9 J**	2.1 U	**1.2 J**	**1.3**	1.1 U	1.4 U	2.3 U	0.8 U
Ethylene dibromide (1,2-Dibromoethane)			1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4		4.9 UJ	4.8 UJ	4.7 U	10 U	5 U	4.5 U	4.6 U	4.7 U	4.9 U	4.2 U
Isopropylbenzene (Cumene)			**2.1**	**1.5 J**	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
m,p-Xylene			**5.6**	**2.6 J**	**2.1 J**	**12**	**2.8 J**	**3.5**	1.1 U	2.2 U	**3.4 J**	**1.6 J**
Methyl ethyl ketone (2-Butanone)			**10**	**12**	**7.7**	**26**	**49**	**9.2**	5.5 U	11 U	**52**	**3.2 J**
Methyl iodide (Iodomethane)			1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Methyl tert-butyl ether (MTBE)			1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Naphthalene	120		--	--	--	--	--	--	--	--	--	--
n-Butylbenzene			**0.9 J**	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
n-Propylbenzene			**1.4**	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
o-Xylene			**3**	**2.7**	**0.77 J**	2.1 U	2.3 U	**1.3**	1.1 U	1.4 U	2.3 U	**0.7 J**
sec-Butylbenzene			**2.4**	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Styrene			1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
tert-Butylbenzene			**1.1 J**	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Tetrachloroethene (PCE)	1.6		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	**20**
Toluene	55		**4.2**	**27**	**3.3**	**7.9**	**4.6**	**6.1**	**2.5**	**2.4**	**16**	**2.5**
Trichloroethene (TCE)	1		1.4 U	1.6 U	**0.6 J**	2.1 U	2.3 U	**1**	1.1 U	2.2 U	2.4 U	**3**
Trichlorofluoromethane (Fluorotrichloromethane)			1.4 U	1.6 U	1.1 UJ	2.1 UJ	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U
Vinyl acetate			6.9 UJ	8.1 UJ	5.4 UJ	10 UJ	11 UJ	4.5 UJ	5.5 UJ	11 UJ	12 UJ	4.2 UJ
Vinyl chloride	1		1.4 U	1.6 U	1.1 U	2.1 U	2.3 U	0.9 U	1.1 U	2.2 U	2.4 U	0.8 U

Table 7-5e
Soil Results: VOCs

	Location ID	DSIP2-31_1311	DSIP2-31_1311	DSIP2-31_1311	DSIP2-ST-04	DSIP2-ST-04	DSIP2-UST-03	DSIP2-UST-03
	Depth	4 – 6 ft	6 – 8 ft	8.5 – 10 ft	5 – 7 ft	5.5 – 7 ft	3.5 – 5.5 ft	3.5 – 5.5 ft
	Sample ID	DSIP2-31-4-6	DSIP2-31-6-8	DSIP2-31-8.5-10	DSIP2-ST-04-5-7	DSIP2-ST-04-5.5-7	DSIP2-UST-03-3.5-5.5	DSIP2-UST-53-3.5-5.5
	Sample Date	11/25/2013	11/25/2013	11/25/2013	10/17/2013	10/17/2013	10/18/2013	10/18/2013
	Sample Type	N	N	N	N	N	N	FD
	X	1267814.19	1267814.19	1267814.19	1267830.37	1267830.37	1267578.26	1267578.26
	Y	204503.36	204503.36	204503.36	204353.91	204353.91	204590.12	204590.12
	Soil Screening Level							
Volatile Organics (µg/kg)								
1,1,1,2-Tetrachloroethane		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,1,1-Trichloroethane	21000	1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,1,2,2-Tetrachloroethane	1	1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		1.9 U	3.2 U	2.6 U	3.6 U	3.4 U	2.6 U	2.7 U
1,1,2-Trichloroethane	1	1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,1-Dichloroethane		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,1-Dichloroethene	1.1	1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,1-Dichloropropene		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,2,3-Trichlorobenzene		4.8 U	7.9 U	6.6 U	8.9 U	8.5 U	6.5 U	6.8 U
1,2,3-Trichloropropane		1.9 U	3.2 U	2.6 U	3.6 U	3.4 U	2.6 U	2.7 U
1,2,4-Trichlorobenzene	5	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene		1 U	1.6 U	1.3 U	**1 J**	1.7 U	1.3 U	1.4 U
1,2-Dibromo-3-chloropropane		4.8 UJ	7.9 UJ	6.6 UJ	8.9 U	8.5 U	6.5 U	6.8 U
1,2-Dichlorobenzene	3.7	1 U	1.6 U	1.3 U	--	1.7 U	1.3 U	1.4 U
1,2-Dichloroethane	19	1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,2-Dichloroethene, cis-		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,2-Dichloroethene, trans-	320	1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,2-Dichloropropane	1	1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,3-Dichloropropane		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,3-Dichloropropene, cis-		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,3-Dichloropropene, trans-		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
1,4-Dichloro-2-butene, trans-		4.8 UJ	7.9 UJ	6.6 UJ	8.9 U	8.5 U	6.5 U	6.8 U
1,4-Dichlorobenzene	4.3	--	1.6 U	1.3 U	--	--	1.3 U	1.4 U
2,2-Dichloropropane		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
2-Chloroethylvinyl ether		4.8 UJ	7.9 UJ	6.6 UJ	8.9 U	8.5 U	6.5 U	6.8 U
2-Chlorotoluene		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
2-Hexanone (Methyl butyl ketone)		4.8 U	7.9 U	6.6 U	8.9 U	8.5 U	6.5 U	6.8 U
4-Chlorotoluene		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		4.8 U	7.9 U	6.6 U	8.9 U	8.5 U	6.5 U	6.8 U
Acetone		4.8 U	**130 J**	**16 J**	8.9 U	**70 J**	**21 J**	6.8 U
Acrolein		48 U	79 U	66 U	89 U	85 U	65 U	68 U
Acrylonitrile		4.8 U	7.9 U	6.6 U	8.9 U	8.5 U	6.5 U	6.8 U
Benzene	1	**0.8 J**	**0.91 J**	1.3 U	**11**	**8.8**	1.3 U	1.4 U
Bromobenzene		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Bromochloromethane		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Bromodichloromethane	1	1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Bromoform (Tribromomethane)	5	1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U

Table 7-5e
Soil Results: VOCs

		Location ID	DSIP2-31_1311	DSIP2-31_1311	DSIP2-31_1311	DSIP2-ST-04	DSIP2-ST-04	DSIP2-UST-03	DSIP2-UST-03
		Depth	4 – 6 ft	6 – 8 ft	8.5 – 10 ft	5 – 7 ft	5.5 – 7 ft	3.5 – 5.5 ft	3.5 – 5.5 ft
		Sample ID	DSIP2-31-4-6	DSIP2-31-6-8	DSIP2-31-8.5-10	DSIP2-ST-04-5-7	DSIP2-ST-04-5.5-7	DSIP2-UST-03-3.5-5.5	DSIP2-UST-53-3.5-5.5
		Sample Date	11/25/2013	11/25/2013	11/25/2013	10/17/2013	10/17/2013	10/18/2013	10/18/2013
		Sample Type	N	N	N	N	N	N	FD
		X	1267814.19	1267814.19	1267814.19	1267830.37	1267830.37	1267578.26	1267578.26
		Y	204503.36	204503.36	204503.36	204353.91	204353.91	204590.12	204590.12
	Soil Screening Level								
Bromomethane (Methyl bromide)	78		1 UJ	1.6 UJ	1.3 UJ	1.8 U	1.7 U	1.3 U	1.4 U
Carbon disulfide			1 U	**5.4**	**4**	1.8 U	**1.7 J**	1.3 U	1.4 U
Carbon tetrachloride (Tetrachloromethane)	1		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Chlorobenzene	100		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Chloroethane			1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Chloroform	5.2		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Chloromethane			1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Cymene, p- (4-Isopropyltoluene)			1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Dibromochloromethane	1		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Dibromomethane			1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Dichlorodifluoromethane			1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Dichloromethane (Methylene chloride)	30		**2.7 J**	**3.1 J**	**2.9 J**	3.6 U	3.4 U	**3.8 J**	**3.9 J**
Ethyl bromide (Bromoethane)			1.9 U	3.2 U	2.6 U	3.6 U	3.4 U	2.6 U	2.7 U
Ethylbenzene	15		1 U	1.6 U	1.3 U	**4**	**4.2**	1.3 U	1.4 U
Ethylene dibromide (1,2-Dibromoethane)			1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4		4.7 U	4.6 U	4.8 U	4.6 U	4.5 U	4.9 U	5 U
Isopropylbenzene (Cumene)			1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
m,p-Xylene			**1.6 J**	1.6 U	1.3 U	**30**	**24**	**3**	1.4 U
Methyl ethyl ketone (2-Butanone)			4.8 U	**27**	6.6 U	**19**	**12**	6.5 U	6.8 U
Methyl iodide (Iodomethane)			1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Methyl tert-butyl ether (MTBE)			1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Naphthalene	120		--	--	--	--	--	--	--
n-Butylbenzene			1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
n-Propylbenzene			1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
o-Xylene			1 U	1.6 U	1.3 U	**21**	**16**	1.3 U	1.4 U
sec-Butylbenzene			1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Styrene			1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
tert-Butylbenzene			1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Tetrachloroethene (PCE)	1.6		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Toluene	55		**3.2**	**4.1**	**5.6**	**14**	**14**	**2.7**	**3.2**
Trichloroethene (TCE)	1		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Trichlorofluoromethane (Fluorotrichloromethane)			1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U
Vinyl acetate			4.8 UJ	7.9 UJ	6.6 UJ	8.9 UJ	8.5 UJ	6.5 UJ	6.8 UJ
Vinyl chloride	1		1 U	1.6 U	1.3 U	1.8 U	1.7 U	1.3 U	1.4 U

Table 7-5e
Soil Results: VOCs

Notes:
Detected concentration is greater than the soil screening level
Non-detected concentration is above the soil screening levels
Bold = Detected result
-- = not analyzed
µg/kg = micrograms per kilogram
FD = field duplicate
ft = foot
J = estimated value
N = normal sample
R = rejected
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit

Table 7-5f
Soil Results: PCBs and Pesticides

	Location ID	DSI-01	DSI-01	DSI-02	DSI-02	DSI-03	DSI-03	DSI-04	DSI-04	DSI-05	DSI-05	DSI-06	DSI-06	DSI-07	DSI-07	DSI-08	DSI-08
	Depth	0 – 3 ft	4 – 6 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	5 – 6.5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	4 – 6 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft
	Sample ID	DSI01-SO-A	DSI01-SO-B	DSI02-SO-A	DSI02-SO-B	DSI03-SO-A	DSI03-SO-B	DSI04-SO-A	DSI04-SO-B	DSI05-SO-A	DSI05-SO-B	DSI06-SO-A	DSI06-SO-B	DSI07-SO-A	DSI07-SO-B	DSI08-SO-A	DSI08-SO-B
	Sample Date	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267483.65	1267483.65	1267482.28	1267482.28	1267538.20	1267538.20	1267677.30	1267677.30	1267664.49	1267664.49	1267832.57	1267832.57	1267843.29	1267843.29	1267815.08	1267815.08
	Y	204362.38	204362.38	204484.72	204484.72	204614.54	204614.54	204577.53	204577.53	204414.79	204414.79	204403.48	204403.48	204440.17	204440.17	204599.08	204599.08
	Soil Screening Level																
PCB Aroclors (µg/kg)																	
Aroclor 1016	4	9.8 U	9.8 U	9.7 U	9.7 U	48 U	9.5 U	9.6 U	9.5 U	9.8 U	9.6 U	9.7 U	9.7 U	9.7 U	9.6 U	9.8 U	9.5 U
Aroclor 1221		9.8 U	9.8 U	9.7 U	9.7 U	48 U	9.5 U	9.6 U	9.5 U	9.8 U	9.6 U	9.7 U	9.7 U	9.7 U	9.6 U	9.8 U	9.5 U
Aroclor 1232		9.8 U	9.8 U	9.7 U	9.7 U	48 U	9.5 U	9.6 U	9.5 U	9.8 U	9.6 U	9.7 U	9.7 U	9.7 U	9.6 U	9.8 U	9.5 U
Aroclor 1242		9.8 U	9.8 U	9.7 U	9.7 U	48 U	9.5 U	9.6 U	9.5 U	9.8 U	9.6 U	9.7 U	9.7 U	9.7 U	9.6 U	9.8 U	9.5 U
Aroclor 1248		9.8 U	9.8 U	9.7 U	9.7 U	48 U	9.5 U	9.6 U	9.5 U	9.8 U	9.6 U	9.7 U	9.7 U	9.7 U	9.6 U	9.8 U	9.5 U
Aroclor 1254		9.8 U	9.8 U	9.7 U	9.7 U	48 U	9.5 U	9.6 U	9.5 U	39 U	9.6 U	9.7 U	9.7 U	9.7 U	9.6 U	9.8 U	9.5 U
Aroclor 1260	25	**43 J**	**10 J**	9.7 UJ	9.7 UJ	**300 J**	**94 J**	9.6 UJ	9.5 UJ	**46 J**	9.6 UJ	9.7 UJ	9.7 UJ	9.7 U	9.6 U	9.8 U	9.5 U
Total PCB Aroclors (U = 0)	4	**43 J**	**10 J**	9.7 UJ	9.7 UJ	**300 J**	**94 J**	9.6 UJ	9.5 UJ	**46 J**	9.6 UJ	9.7 UJ	9.7 UJ	9.7 U	9.6 U	9.8 U	9.5 U
Pesticides (µg/kg)																	
4,4'-DDD (p,p'-DDD)	4.6	3.3 U	3.2 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.1 U	**28**	3.2 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.2 U
4,4'-DDE (p,p'-DDE)	8.7	3.3 U	3.2 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.1 U	3.1 U	3.2 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.2 U
4,4'-DDT (p,p'-DDT)	68	3.3 U	3.2 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.1 U	3.1 U	3.2 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.2 U
Aldrin	2.4	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U
Chlordane, alpha- (Chlordane, cis-)	26	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U
Chlordane, beta- (Chlordane, trans-)		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane, gamma-		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U
Dieldrin	2.6	3.3 U	3.2 U	3.2 U	3.3 U	8.5 U	3.2 U	3.2 U	3.1 U	3.1 U	3.2 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.2 U
Endosulfan sulfate		3.3 U	3.2 U	3.2 U	3.3 U	15 U	3.2 U	3.2 U	3.1 U	3.1 U	3.2 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.2 U
Endosulfan, alpha- (I)		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U
Endosulfan, beta (II)		3.3 U	3.2 U	3.2 U	3.3 U	9.9 U	7.2 U	3.2 U	3.1 U	3.1 U	3.2 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.2 U
Endrin	1.1	3.3 U	3.2 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.1 U	3.1 U	3.2 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.2 U
Endrin aldehyde		3.3 U	3.2 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.1 U	3.1 U	3.2 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.2 U
Endrin ketone		3.3 U	3.2 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.1 U	3.1 U	3.2 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.2 U
Heptachlor	0.5	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U
Heptachlor epoxide	4.2	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorobenzene	7.2	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorocyclohexane (BHC), alpha-	0.5	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorocyclohexane (BHC), beta-	0.5	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorocyclohexane (BHC), delta-		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.5	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U
Methoxychlor		16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	17 U	16 U	16 U	16 U	16 U
Toxaphene	4.8	160 U	160 U	160 U	160 U	160 U	160 U	160 U	160 U	160 U	160 U	160 U	170 U	160 U	160 U	160 U	160 U

Table 7-5f
Soil Results: PCBs and Pesticides

	Location ID	DSI-09	DSI-09	DSI-10	DSI-10	DSI-11	DSI-11	DSI-12	DSI-12	DSIP2-01_1311	DSIP2-01_1311	DSIP2-01_1311	DSIP2-01_1311	DSIP2-02_1311	DSIP2-02_1311
	Depth	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	0 – 3 ft	3 – 5 ft	2.5 – 4.5 ft	5 – 7 ft	7 – 9 ft	9.5 – 11.5 ft	11 – 13 ft	2 – 4 ft
	Sample ID	DSI09-SO-A	DSI09-SO-B	DSI10-SO-A	DSI10-SO-B	DSI11-SO-A	DSI11-SO-B	DSI12-SO-A	DSI12-SO-B	DSIP2-01-2.5-4.5	DSIP2-01-5-7	DSIP2-01-7-9	DSIP2-01-9.5-11.5	DSIP2-02-11-13	DSIP2-02-2-4
	Sample Date	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267972.09	1267972.09	1267928.64	1267928.64	1267970.43	1267970.43	1267970.42	1267970.42	1267569.74	1267569.74	1267569.74	1267569.74	1267562.38	1267562.38
	Y	204599.10	204599.10	204456.02	204456.02	204358.81	204358.81	204269.04	204269.04	204573.92	204573.92	204573.92	204573.92	204456.85	204456.85
	Soil Screening Level														
PCB Aroclors (µg/kg)															
Aroclor 1016	4	9.6 U	9.8 U	9.8 U	9.4 U	9.8 U	9.9 U	29 U	29 U	4 U	3.9 U	4 U	3.9 U	3.8 U	4 U
Aroclor 1221		9.6 U	9.8 U	9.8 U	9.4 U	9.8 U	9.9 U	29 U	29 U	4 U	3.9 U	4 U	3.9 U	3.8 U	4 U
Aroclor 1232		9.6 U	9.8 U	9.8 U	9.4 U	9.8 U	9.9 U	29 U	29 U	9.9 U	3.9 U	9.9 U	9.7 U	9.6 U	10 U
Aroclor 1242		9.6 U	9.8 U	9.8 U	9.4 U	9.8 U	9.9 U	29 U	29 U	4 U	3.9 U	4 U	3.9 U	3.8 U	4 U
Aroclor 1248		9.6 U	9.8 U	9.8 U	9.4 U	9.8 U	9.9 U	29 U	29 U	4 U	3.9 U	4 U	3.9 U	3.8 U	4 U
Aroclor 1254		9.6 U	9.8 U	9.8 U	9.4 U	9.8 U	9.9 U	29 U	29 U	5 U	3.9 U	4 U	3.9 U	3.8 U	**11**
Aroclor 1260	25	9.6 U	9.8 U	9.8 U	9.4 U	**35**	9.9 U	29 U	29 U	20 U	3.9 U	4 U	3.9 U	3.8 U	**14**
Total PCB Aroclors (U = 0)	4	9.6 U	9.8 U	9.8 U	9.4 U	**35**	9.9 U	29 U	29 U	20 U	3.9 U	9.9 U	9.7 U	9.6 U	**25**
Pesticides (µg/kg)															
4,4'-DDD (p,p'-DDD)	4.6	3.2 U	3.3 U	3.3 U	3.3 U	3.2 U	3.3 UJ	3.3 U	3.3 U	4.9 U	0.97 U	0.99 U	0.97 U	0.96 U	1 U
4,4'-DDE (p,p'-DDE)	8.7	3.2 U	3.3 U	3.3 U	3.3 U	3.2 U	3.3 UJ	3.3 U	3.3 U	4.9 U	0.97 U	0.99 U	0.97 U	0.96 U	1 U
4,4'-DDT (p,p'-DDT)	68	3.2 U	3.3 U	3.3 U	3.3 U	3.2 U	3.3 UJ	3.3 U	12 U	4.9 U	0.97 U	0.99 U	0.97 U	0.96 U	2.2 U
Aldrin	2.4	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 UJ	1.6 U	1.6 U	2.5 U	0.49 U	0.49 U	0.48 U	0.48 U	0.5 U
Chlordane, alpha- (Chlordane, cis-)	26	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 UJ	1.6 U	1.6 U	2.5 U	0.49 U	0.49 U	0.48 U	0.48 U	0.5 U
Chlordane, beta- (Chlordane, trans-)		--	--	--	--	--	--	--	--	2.5 U	0.49 U	0.49 U	0.48 U	0.48 U	0.5 U
Chlordane, gamma-		1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 UJ	1.6 U	1.6 U	--	--	--	--	--	--
Dieldrin	2.6	3.2 U	3.3 U	3.3 U	3.3 U	3.2 U	3.3 UJ	3.3 U	3.3 U	4.9 U	0.97 U	0.99 U	0.97 U	0.96 U	1 U
Endosulfan sulfate		3.2 U	3.3 U	3.3 U	3.3 U	3.2 U	3.3 UJ	19 U	21 U	4.9 U	0.97 U	0.99 U	0.97 U	0.96 U	1 U
Endosulfan, alpha- (I)		1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 UJ	1.6 U	1.6 U	2.5 U	0.49 U	0.49 U	0.48 U	0.48 U	0.5 U
Endosulfan, beta (II)		3.2 U	3.3 U	3.3 U	3.3 U	3.2 U	3.3 UJ	3.3 U	3.3 U	4.9 U	0.97 U	0.99 U	0.97 U	0.96 U	1 U
Endrin	1.1	3.2 U	3.3 U	3.3 U	3.3 U	3.2 U	3.3 UJ	14 U	17 U	4.9 U	0.97 U	0.99 U	0.97 U	0.96 U	1 U
Endrin aldehyde		3.2 U	3.3 U	3.3 U	3.3 U	3.2 U	3.3 UJ	3.3 U	3.3 U	4.9 U	0.97 U	0.99 U	0.97 U	0.96 U	1 U
Endrin ketone		3.2 U	3.3 U	3.3 U	3.3 U	3.2 U	3.3 UJ	15 U	16 U	4.9 U	0.97 U	0.99 U	0.97 U	0.96 U	1 U
Heptachlor	0.5	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 UJ	1.6 U	1.6 U	2.5 U	0.49 U	0.49 U	0.48 U	0.48 U	0.5 U
Heptachlor epoxide	4.2	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 UJ	1.6 U	3.8 U	4.9 U	0.97 U	0.99 U	0.97 U	0.96 U	1 U
Hexachlorobenzene	7.2	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 UJ	1.6 U	1.6 U	4.9 U	0.97 U	0.99 U	0.97 U	0.96 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 UJ	1.6 U	1.6 U	4.9 U	0.97 U	0.99 U	0.97 U	0.96 U	1 U
Hexachlorocyclohexane (BHC), alpha-	0.5	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 UJ	1.6 U	1.6 U	2.5 U	0.49 U	0.49 U	0.48 U	0.48 U	0.5 U
Hexachlorocyclohexane (BHC), beta-	0.5	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 UJ	4 U	3.1 U	2.5 U	0.49 U	0.65 U	0.48 U	0.48 U	0.5 U
Hexachlorocyclohexane (BHC), delta-		1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 UJ	1.6 U	1.6 U	2.5 U	0.49 U	0.49 U	0.48 U	0.48 U	0.5 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.5	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 UJ	1.6 U	1.6 U	2.5 U	0.49 U	0.49 U	0.48 U	0.48 U	0.5 U
Methoxychlor		16 U	16 U	16 U	17 U	16 U	16 UJ	16 U	16 U	25 U	4.9 U	4.9 U	4.8 U	4.8 U	5 U
Toxaphene	4.8	160 U	160 U	160 U	170 U	160 U	160 UJ	160 U	160 U	120 U	24 U	25 U	24 U	24 U	25 U

Table 7-5f
Soil Results: PCBs and Pesticides

	Location ID	DSIP2-02_1311	DSIP2-02_1311	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312	DSIP2-03_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-04_1312	DSIP2-05_1311	DSIP2-05_1311
	Depth	5 – 7 ft	8 – 10 ft	10.5 – 12.5 ft	2 – 4 ft	2 – 4 ft	5 – 7 ft	7.5 – 9.5 ft	11 – 12.5 ft	2 – 4 ft	5.5 – 7 ft	8 – 9.5 ft	1.5 – 3.5 ft	11 – 13 ft
	Sample ID	DSIP2-02-5-7	DSIP2-02-8-10	DSIP2-03-10.5-12.5	DSIP2-03-2-4	DSIP2-53-2-4	DSIP2-03-5-7	DSIP2-03-7.5-9.5	DSIP2-04-11-12.5	DSIP2-04-2-4	DSIP2-04-5.5-7	DSIP2-04-8-9.5	DSIP2-05-1.5-3.5	DSIP2-05-11-13
	Sample Date	11/22/2013	11/22/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	11/20/2013	11/20/2013
	Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N	N
	X	1267562.38	1267562.38	1267719.57	1267719.57	1267719.57	1267719.57	1267719.57	1267759.22	1267759.22	1267759.22	1267759.22	1267858.93	1267858.93
	Y	204456.85	204456.85	204356.99	204356.99	204356.99	204356.99	204356.99	204362.24	204362.24	204362.24	204362.24	204370.83	204370.83
	Soil Screening Level													
PCB Aroclors (µg/kg)														
Aroclor 1016	4	4 U	3.8 U	4 U	4 U	3.8 U	3.8 U	3.9 U	3.9 U	19 U	3.7 U	4 U	3.9 U	3.9 U
Aroclor 1221		4 U	3.8 U	4 U	4 U	3.8 U	3.8 U	3.9 U	3.9 U	19 U	3.7 U	4 U	3.9 U	3.9 U
Aroclor 1232		5.9 U	3.8 U	4 U	4 U	3.8 U	3.8 U	3.9 U	3.9 U	19 U	3.7 U	4 U	3.9 U	3.9 U
Aroclor 1242		4 U	3.8 U	4 U	4 U	3.8 U	3.8 U	3.9 U	3.9 U	19 U	3.7 U	4 U	3.9 U	3.9 U
Aroclor 1248		4 U	3.8 U	4 U	4 U	3.8 U	3.8 U	3.9 U	3.9 U	19 U	3.7 U	4 U	9.7 U	3.9 U
Aroclor 1254		4 U	3.8 U	4 U	**21**	**16**	3.8 U	3.9 U	3.9 U	**56**	3.7 U	4 U	**40**	3.9 U
Aroclor 1260	25	4 U	3.8 U	4 U	4 U	3.8 U	3.8 U	3.9 U	3.9 U	**54**	3.7 U	4 U	**44**	3.9 U
Total PCB Aroclors (U = 0)	4	5.9 U	3.8 U	4 U	**21**	**16**	3.8 U	3.9 U	3.9 U	**110**	3.7 U	4 U	**84**	3.9 U
Pesticides (µg/kg)														
4,4'-DDD (p,p'-DDD)	4.6	0.99 U	0.96 U	0.99 U	0.99 U	0.94 U	0.95 U	0.98 U	0.97 U	0.97 U	0.94 U	0.99 U	4.9 U	0.96 U
4,4'-DDE (p,p'-DDE)	8.7	0.99 U	0.96 U	0.99 U	0.99 U	0.94 U	0.95 U	0.98 U	0.97 U	0.97 U	0.94 U	0.99 U	4.9 U	0.96 U
4,4'-DDT (p,p'-DDT)	68	0.99 U	0.96 U	0.99 U	0.99 U	0.94 U	0.95 U	0.98 U	0.97 U	6.2 U	0.94 U	0.99 U	5.9 U	0.96 U
Aldrin	2.4	0.5 U	0.48 U	0.49 U	0.5 U	0.47 U	0.47 U	0.49 U	0.48 U	0.48 U	0.47 U	0.49 U	2.4 U	0.48 U
Chlordane, alpha- (Chlordane, cis-)	26	0.5 U	0.48 U	0.49 U	0.5 U	0.47 U	0.47 U	0.49 U	0.48 U	0.48 U	0.47 U	0.49 U	2.4 U	0.48 U
Chlordane, beta- (Chlordane, trans-)		0.5 U	0.48 U	0.49 U	0.5 U	0.47 U	0.47 U	0.49 U	0.48 U	0.48 U	0.47 U	0.49 U	2.4 U	0.48 U
Chlordane, gamma-		--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	2.6	0.99 U	0.96 U	0.99 U	0.99 U	0.94 U	0.95 U	0.98 U	0.97 U	0.97 U	0.94 U	0.99 U	4.9 U	0.96 U
Endosulfan sulfate		0.99 U	0.96 U	0.99 U	2.2 U	0.94 U	0.95 U	0.98 U	0.97 U	0.97 U	0.94 U	0.99 U	4.9 U	0.96 U
Endosulfan, alpha- (I)		0.5 U	0.48 U	0.49 U	0.5 U	0.47 U	0.47 U	0.49 U	0.48 U	0.48 U	0.47 U	0.49 U	2.4 U	0.48 U
Endosulfan, beta (II)		0.99 U	0.96 U	0.99 U	0.99 U	0.94 U	0.95 U	0.98 U	0.97 U	0.97 U	0.94 U	0.99 U	4.9 U	0.96 U
Endrin	1.1	0.99 U	0.96 U	0.99 U	0.99 U	0.94 U	0.95 U	0.98 U	0.97 U	0.97 U	0.94 U	0.99 U	4.9 U	0.96 U
Endrin aldehyde		0.99 U	0.96 U	0.99 UJ	0.99 UJ	0.94 UJ	0.95 UJ	0.98 UJ	0.97 U	2.3 UJ	0.94 UJ	0.99 UJ	4.9 U	0.96 U
Endrin ketone		0.99 U	0.96 U	0.99 U	0.99 U	0.94 U	0.95 U	0.98 U	0.97 U	4.2 U	0.94 U	0.99 U	4.9 U	0.96 U
Heptachlor	0.5	0.5 U	0.48 U	0.49 U	0.5 U	0.47 U	0.47 U	0.49 U	0.6 U	0.48 U	0.47 U	0.49 U	2.4 U	0.48 U
Heptachlor epoxide	4.2	0.99 U	0.96 U	0.99 U	0.99 U	0.94 U	0.95 U	0.98 U	0.97 U	2.2 U	0.94 U	0.99 U	4.9 U	0.96 U
Hexachlorobenzene	7.2	0.99 U	0.96 U	0.99 U	0.99 U	0.94 U	0.95 U	0.98 U	2.1 U	0.97 U	0.94 U	0.99 U	4.9 U	0.96 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	0.99 U	0.96 U	0.99 U	0.99 U	0.94 U	0.95 U	0.98 U	0.97 U	0.97 U	0.94 U	0.99 U	4.9 U	0.96 U
Hexachlorocyclohexane (BHC), alpha-	0.5	0.5 U	0.48 U	0.49 U	0.5 U	0.47 U	0.47 U	0.49 U	8.4 U	0.48 U	0.47 U	0.49 U	4.4 U	0.48 U
Hexachlorocyclohexane (BHC), beta-	0.5	0.5 U	0.48 U	0.49 U	0.5 U	0.47 U	0.47 U	0.49 U	8.5 U	0.48 U	0.47 U	0.49 U	2.4 U	0.48 U
Hexachlorocyclohexane (BHC), delta-		0.5 U	0.48 U	0.49 U	0.5 U	0.47 U	0.47 U	0.49 U	0.48 U	0.48 U	0.47 U	0.49 U	2.4 U	0.48 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.5	0.5 U	0.48 U	0.49 U	0.5 U	0.47 U	0.47 U	0.49 U	17 U	0.48 U	0.47 U	0.49 U	2.4 U	0.48 U
Methoxychlor		5 U	4.8 U	4.9 U	5 U	4.7 U	4.7 U	4.9 U	4.8 U	4.8 U	4.7 U	4.9 U	24 U	4.8 U
Toxaphene	4.8	25 U	24 U	25 U	25 U	23 U	24 U	24 U	24 U	24 U	23 U	25 U	120 U	24 U

Table 7-5f
Soil Results: PCBs and Pesticides

	Location ID	DSIP2-05_1311	DSIP2-05_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-08_1311	DSIP2-08_1311
	Depth	4 – 6 ft	8 – 10 ft	2 – 4 ft	4 – 6 ft	4 – 6 ft	6 – 8 ft	8.5 – 10 ft	1 – 3 ft	3 – 5 ft	5 – 7 ft	8 – 10 ft	1 – 3 ft	3.5 – 5.5 ft
	Sample ID	DSIP2-05-4-6	DSIP2-05-8-10	DSIP2-06-2-4	DSIP2-06-4-6	DSIP2-56-4-6	DSIP2-06-6-8	DSIP2-06-8.5-10	DSIP2-07-1-3	DSIP2-07-3-5	DSIP2-07-5-7	DSIP2-07-8-10	DSIP2-08-1-3	DSIP2-08-3.5-5.5
	Sample Date	11/20/2013	11/20/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013
	Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N	N
	X	1267858.93	1267858.93	1267821.70	1267821.70	1267821.70	1267821.70	1267821.70	1267896.21	1267896.21	1267896.21	1267896.21	1267991.80	1267991.80
	Y	204370.83	204370.83	204456.60	204456.60	204456.60	204456.60	204456.60	204592.61	204592.61	204592.61	204592.61	204592.40	204592.40
	Soil Screening Level													
PCB Aroclors (µg/kg)														
Aroclor 1016	4	3.8 U	3.9 U	19 U	3.9 U	3.8 U	3.8 U	4 U	3.8 U	3.9 U	3.8 U	3.9 U	3.8 U	3.8 U
Aroclor 1221		3.8 U	3.9 U	19 U	3.9 U	3.8 U	3.8 U	4 U	3.8 U	3.9 U	3.8 U	3.9 U	3.8 U	3.8 U
Aroclor 1232		5.6 U	3.9 U	19 U	7.8 U	5.7 U	3.8 U	4.9 U	7.5 U	7.8 U	7.7 U	14 U	7.7 U	13 U
Aroclor 1242		3.8 U	3.9 U	19 U	3.9 U	3.8 U	3.8 U	4 U	3.8 U	3.9 U	3.8 U	3.9 U	3.8 U	3.8 U
Aroclor 1248		3.8 U	3.9 U	19 U	3.9 U	3.8 U	3.8 U	4 U	3.8 U	3.9 U	3.8 U	3.9 U	3.8 U	3.8 U
Aroclor 1254		3.8 U	3.9 U	**82**	**13**	**16**	3.8 U	4 U	3.8 U	3.9 U	3.8 U	3.9 U	3.8 U	3.8 U
Aroclor 1260	25	3.8 U	3.9 U	**47**	**12**	**14**	3.8 U	4 U	3.8 U	3.9 U	3.8 U	3.9 U	**4.7**	**3.8**
Total PCB Aroclors (U = 0)	4	5.6 U	3.9 U	**129**	**25**	**30**	3.8 U	4.9 U	7.5 U	7.8 U	7.7 U	14 U	**4.7**	**3.8**
Pesticides (µg/kg)														
4,4'-DDD (p,p'-DDD)	4.6	0.94 U	0.99 U	4.8 U	0.97 U	0.96 U	0.96 U	0.99 U	0.95 U	0.99 U	0.97 U	0.99 U	0.96 U	1.9 U
4,4'-DDE (p,p'-DDE)	8.7	0.94 U	0.99 U	4.8 UJ	0.97 UJ	0.96 UJ	0.96 UJ	0.99 UJ	0.95 U	0.99 U	0.97 U	0.99 U	0.96 U	1.9 U
4,4'-DDT (p,p'-DDT)	68	0.94 U	0.99 U	4.8 U	0.97 U	3.2 U	0.96 U	0.99 U	0.95 U	0.99 U	0.97 U	0.99 U	0.96 U	1.9 U
Aldrin	2.4	0.47 U	0.49 U	2.4 U	0.48 U	0.48 U	0.48 U	0.49 U	0.47 U	0.49 U	0.48 U	0.5 U	0.48 U	0.94 U
Chlordane, alpha- (Chlordane, cis-)	26	0.47 U	0.49 U	2.4 UJ	0.48 UJ	0.48 UJ	0.48 UJ	0.49 UJ	0.47 U	0.49 U	0.48 U	0.5 U	0.48 U	0.94 U
Chlordane, beta- (Chlordane, trans-)		0.47 U	0.49 U	2.4 UJ	0.48 UJ	0.48 UJ	0.48 UJ	0.49 UJ	0.47 U	0.49 U	0.48 U	0.5 U	0.48 U	0.94 U
Chlordane, gamma-		--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	2.6	0.94 U	0.99 U	4.8 UJ	0.97 UJ	0.96 UJ	0.96 UJ	0.99 UJ	0.95 U	0.99 U	0.97 U	0.99 U	0.96 U	1.9 U
Endosulfan sulfate		0.94 U	0.99 U	4.8 U	0.97 U	0.96 U	0.96 U	0.99 U	0.95 U	0.99 UJ	0.97 U	0.99 U	0.96 U	1.9 U
Endosulfan, alpha- (I)		0.47 U	0.49 U	2.4 UJ	0.48 UJ	0.48 UJ	0.48 UJ	0.49 UJ	0.47 U	0.49 U	0.48 U	0.5 U	0.48 U	0.94 U
Endosulfan, beta (II)		0.94 U	0.99 U	4.8 U	0.97 U	0.96 U	0.96 U	0.99 U	0.95 U	0.99 U	0.97 U	0.99 U	0.96 U	1.9 U
Endrin	1.1	0.94 U	0.99 U	4.8 U	0.97 U	0.96 U	0.96 U	0.99 U	0.95 U	0.99 U	0.97 U	0.99 U	0.96 U	1.9 U
Endrin aldehyde		0.94 U	0.99 U	4.8 U	0.97 U	0.96 U	0.96 U	0.99 U	0.95 U	0.99 U	0.97 U	0.99 U	0.96 U	1.9 U
Endrin ketone		0.94 U	0.99 U	4.8 U	0.97 U	0.96 U	0.96 U	0.99 U	0.95 U	0.99 U	0.97 U	0.99 U	0.96 U	1.9 U
Heptachlor	0.5	0.47 U	0.49 U	2.4 U	0.48 U	0.48 U	0.48 U	0.49 U	0.47 U	0.49 UJ	0.48 U	0.5 U	0.48 U	0.94 U
Heptachlor epoxide	4.2	0.94 U	0.99 U	4.8 UJ	0.97 UJ	0.96 UJ	0.96 UJ	0.99 UJ	0.95 U	0.99 U	0.97 U	0.99 U	0.96 U	1.9 U
Hexachlorobenzene	7.2	0.94 U	0.99 U	4.8 U	0.97 U	0.96 U	0.96 U	0.99 U	0.95 UJ	0.99 UJ	0.97 UJ	0.99 UJ	0.96 UJ	1.9 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	0.94 U	0.99 U	--	0.97 U	0.96 U	0.96 U	0.99 U	0.95 UJ	0.99 UJ	0.97 UJ	0.99 UJ	0.96 UJ	1.9 UJ
Hexachlorocyclohexane (BHC), alpha-	0.5	0.47 U	0.49 U	2.4 U	1.1 U	1.6 U	0.48 U	0.49 U	0.47 U	0.49 U	0.48 U	0.5 U	0.48 U	0.94 U
Hexachlorocyclohexane (BHC), beta-	0.5	0.47 U	0.49 U	2.4 U	1.4 U	1 U	0.48 U	0.49 U	0.47 U	0.49 U	1.1 U	0.93 U	0.48 U	0.94 U
Hexachlorocyclohexane (BHC), delta-		0.47 U	0.49 U	2.4 U	0.48 U	0.48 U	0.48 U	0.49 U	0.47 U	0.49 U	0.48 U	0.5 U	0.48 U	0.94 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.5	0.47 U	0.49 U	2.4 U	0.48 U	0.48 U	0.48 U	0.49 U	0.47 U	0.49 U	0.48 U	0.5 U	0.48 U	2.5 U
Methoxychlor		4.7 U	4.9 U	24 U	4.8 U	4.8 U	4.8 U	4.9 U	4.7 U	4.9 UJ	4.8 U	5 U	4.8 U	9.4 U
Toxaphene	4.8	24 U	25 U	120 U	24 U	24 U	24 U	25 U	24 U	25 U	24 U	25 U	24 U	47 U

Table 7-5f
Soil Results: PCBs and Pesticides

	Location ID	DSIP2-08_1311	DSIP2-08_1311	DSIP2-09_1311	DSIP2-09_1311	DSIP2-09_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-20_1312
	Depth	6 – 8 ft	8.5 – 10.5 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	1.3 – 3.5 ft	10 – 12 ft	5 – 7 ft	7.5 – 9 ft	11 – 13 ft
	Sample ID	DSIP2-08-6-8	DSIP2-08-8.5-10.5	DSIP2-09-2-4	DSIP2-09-4.5-6.5	DSIP2-09-7-9	DSIP2-10-1-3	DSIP2-10-3.5-5.5	DSIP2-10-6-8	DSIP2-19-1.3-3.5	DSIP2-19-10-12	DSIP2-19-5-7	DSIP2-19-7.5-9	DSIP2-20-11-13
	Sample Date	11/26/2013	11/26/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013	12/2/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267991.80	1267991.80	1268002.99	1268002.99	1268002.99	1267966.58	1267966.58	1267966.58	1267489.96	1267489.96	1267489.96	1267489.96	1267608.74
	Y	204592.40	204592.40	204347.85	204347.85	204347.85	204286.98	204286.98	204286.98	204622.78	204622.78	204622.78	204622.78	204585.93
	Soil Screening Level													
PCB Aroclors (µg/kg)														
Aroclor 1016	4	3.9 U	3.8 U	3.9 U	3.9 U	3.9 U	3.8 U	4 U	3.9 U	3.8 U	3.9 U	3.8 U	3.8 U	3.8 U
Aroclor 1221		3.9 U	3.8 U	3.9 U	3.9 U	3.9 U	3.8 U	4 U	3.9 U	3.8 U	3.9 U	3.8 U	3.8 U	3.8 U
Aroclor 1232		7.7 U	3.8 U	5.8 U	3.9 U	5.9 U	9.5 U	8 U	3.9 U	3.8 U	3.9 U	3.8 U	3.8 U	3.8 U
Aroclor 1242		3.9 U	3.8 U	3.9 U	3.9 U	3.9 U	3.8 U	4 U	3.9 U	3.8 U	3.9 U	3.8 U	3.8 U	3.8 U
Aroclor 1248		3.9 U	3.8 U	3.9 U	3.9 U	3.9 U	3.8 U	4 U	3.9 U	3.8 U	3.9 U	3.8 U	3.8 U	3.8 U
Aroclor 1254		3.9 U	3.8 U	3.9 U	3.9 U	3.9 U	3.8 U	4 U	3.9 U	3.8 U	3.9 U	3.8 U	3.8 U	3.8 U
Aroclor 1260	25	3.9 U	3.8 U	3.9 U	3.9 U	3.9 U	3.8 U	4 U	3.9 U	**2.6 J**	3.9 U	**11**	3.8 U	3.8 U
Total PCB Aroclors (U = 0)	4	7.7 U	3.8 U	5.8 U	3.9 U	5.9 U	9.5 U	8 U	3.9 U	**2.6 J**	3.9 U	**11**	3.8 U	3.8 U
Pesticides (µg/kg)														
4,4'-DDD (p,p'-DDD)	4.6	0.97 U	0.96 U	0.97 U	0.96 U	0.99 U	4.8 U	1 U	0.98 U	--	--	--	--	--
4,4'-DDE (p,p'-DDE)	8.7	0.97 U	0.96 U	0.97 UJ	0.96 UJ	0.99 UJ	4.8 UJ	1 UJ	0.98 UJ	--	--	--	--	--
4,4'-DDT (p,p'-DDT)	68	0.97 U	0.96 U	0.97 U	0.96 U	0.99 U	4.8 U	1 U	0.98 U	--	--	--	--	--
Aldrin	2.4	0.48 U	0.48 U	0.48 U	0.48 U	0.49 U	2.4 U	0.5 U	0.49 U	--	--	--	--	--
Chlordane, alpha- (Chlordane, cis-)	26	0.48 U	0.48 U	0.48 UJ	0.48 UJ	0.49 UJ	2.4 UJ	0.5 UJ	0.49 UJ	--	--	--	--	--
Chlordane, beta- (Chlordane, trans-)		0.48 U	0.48 U	0.48 UJ	0.48 UJ	0.49 UJ	2.4 UJ	0.5 UJ	0.49 UJ	--	--	--	--	--
Chlordane, gamma-		--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	2.6	0.97 U	0.96 U	0.97 UJ	0.96 UJ	0.99 UJ	4.8 UJ	1 UJ	0.98 UJ	--	--	--	--	--
Endosulfan sulfate		0.97 U	0.96 U	0.97 U	0.96 U	0.99 U	33 U	1 U	0.98 U	--	--	--	--	--
Endosulfan, alpha- (I)		0.48 U	0.48 U	0.48 UJ	0.48 UJ	0.49 UJ	2.4 UJ	0.5 UJ	0.49 UJ	--	--	--	--	--
Endosulfan, beta (II)		0.97 U	0.96 U	0.97 U	0.96 U	0.99 U	4.8 U	1 U	0.98 U	--	--	--	--	--
Endrin	1.1	0.97 U	0.96 U	0.97 U	0.96 U	0.99 U	4.8 U	1 U	0.98 U	--	--	--	--	--
Endrin aldehyde		0.97 U	0.96 U	0.97 U	0.96 U	0.99 U	4.8 U	1 U	0.98 U	--	--	--	--	--
Endrin ketone		0.97 U	0.96 U	0.97 U	0.96 U	0.99 U	16 U	1 U	0.98 U	--	--	--	--	--
Heptachlor	0.5	0.48 U	0.48 U	0.48 U	0.48 U	0.49 U	2.4 U	0.5 U	0.49 U	--	--	--	--	--
Heptachlor epoxide	4.2	0.97 U	0.96 U	0.97 UJ	0.96 UJ	0.99 UJ	4.8 UJ	1 UJ	0.98 UJ	--	--	--	--	--
Hexachlorobenzene	7.2	0.97 UJ	0.96 UJ	0.97 U	0.96 U	0.99 U	--	1 U	0.98 U	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	0.97 UJ	0.96 UJ	0.97 U	0.96 U	0.99 U	--	1 U	0.98 U	--	--	--	--	--
Hexachlorocyclohexane (BHC), alpha-	0.5	0.48 U	0.48 U	0.48 U	0.48 U	0.49 U	2.4 U	0.5 U	0.49 U	--	--	--	--	--
Hexachlorocyclohexane (BHC), beta-	0.5	1.5 U	0.48 U	0.48 U	0.64 U	0.49 U	6.3 U	4.4 U	0.49 U	--	--	--	--	--
Hexachlorocyclohexane (BHC), delta-		0.48 U	0.48 U	0.48 U	0.48 U	0.49 U	2.4 U	0.5 U	0.49 U	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.5	0.48 U	0.48 U	0.48 U	0.48 U	0.49 U	2.4 U	0.5 U	0.49 U	--	--	--	--	--
Methoxychlor		4.8 U	4.8 U	4.8 U	4.8 U	4.9 U	24 U	5 U	4.9 U	--	--	--	--	--
Toxaphene	4.8	24 U	24 U	24 U	24 U	25 U	120 U	25 U	24 U	--	--	--	--	--

Table 7-5f
Soil Results: PCBs and Pesticides

	Location ID	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-ST-04	DSIP2-ST-04	DSIP2-UST-03	DSIP2-UST-03
	Depth	2.5 – 4.5 ft	5 – 7 ft	7.5 – 9.5 ft	5 – 7 ft	5.5 – 7 ft	3.5 – 5.5 ft	3.5 – 5.5 ft
	Sample ID	DSIP2-20-2.5-4.5	DSIP2-20-5-7	DSIP2-20-7.5-9.5	DSIP2-ST-04-5-7	DSIP2-ST-04-5.5-7	DSIP2-UST-03-3.5-5.5	DSIP2-UST-53-3.5-5.5
	Sample Date	12/2/2013	12/2/2013	12/2/2013	10/17/2013	10/17/2013	10/18/2013	10/18/2013
	Sample Type	N	N	N	N	N	N	FD
	X	1267608.74	1267608.74	1267608.74	1267830.37	1267830.37	1267578.26	1267578.26
	Y	204585.93	204585.93	204585.93	204353.91	204353.91	204590.12	204590.12
	Soil Screening Level							
PCB Aroclors (µg/kg)								
Aroclor 1016	4	3.9 U	3.8 U	3.9 U	4 U	3.8 U	4 U	3.7 U
Aroclor 1221		3.9 U	3.8 U	3.9 U	4 U	3.8 U	4 U	3.7 U
Aroclor 1232		3.9 U	3.8 U	3.9 U	4 U	3.8 U	4 U	3.7 U
Aroclor 1242		3.9 U	3.8 U	3.9 U	4 U	3.8 U	4 U	3.7 U
Aroclor 1248		3.9 U	3.8 U	3.9 U	9.9 U	3.8 U	4 U	3.7 U
Aroclor 1254		3.9 U	3.8 U	3.9 U	**60**	**14**	4 U	3.7 U
Aroclor 1260	25	12 U	3.8 U	3.9 U	**43**	**16**	4 U	3.7 U
Total PCB Aroclors (U = 0)	4	12 U	3.8 U	3.9 U	**103**	**30**	4 U	3.7 U
Pesticides (µg/kg)								
4,4'-DDD (p,p'-DDD)	4.6	--	--	--	--	--	--	--
4,4'-DDE (p,p'-DDE)	8.7	--	--	--	--	--	--	--
4,4'-DDT (p,p'-DDT)	68	--	--	--	--	--	--	--
Aldrin	2.4	--	--	--	--	--	--	--
Chlordane, alpha- (Chlordane, cis-)	26	--	--	--	--	--	--	--
Chlordane, beta- (Chlordane, trans-)		--	--	--	--	--	--	--
Chlordane, gamma-		--	--	--	--	--	--	--
Dieldrin	2.6	--	--	--	--	--	--	--
Endosulfan sulfate		--	--	--	--	--	--	--
Endosulfan, alpha- (I)		--	--	--	--	--	--	--
Endosulfan, beta (II)		--	--	--	--	--	--	--
Endrin	1.1	--	--	--	--	--	--	--
Endrin aldehyde		--	--	--	--	--	--	--
Endrin ketone		--	--	--	--	--	--	--
Heptachlor	0.5	--	--	--	--	--	--	--
Heptachlor epoxide	4.2	--	--	--	--	--	--	--
Hexachlorobenzene	7.2	--	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5.4	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), alpha-	0.5	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), beta-	0.5	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), delta-		--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.5	--	--	--	--	--	--	--
Methoxychlor		--	--	--	--	--	--	--
Toxaphene	4.8	--	--	--	--	--	--	--

Table 7-5f
Soil Results: PCBs and Pesticides

Notes:
Detected concentration is greater than the soil screening level
Non-detected concentration is above the soil screening level
Bold = Detected result
-- = not analyzed
µg/kg = micrograms per kilogram
FD = field duplicate
ft = foot
J = estimated value
N = normal sample
PCB = polychlorinated biphenyl
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit

Table 7-5g
Soil Results: Dioxin/Furans

	Location ID	DSIP2-07_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-07_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-09_1311	DSIP2-09_1311
	Depth	1 – 3 ft	3 – 5 ft	5 – 7 ft	8 – 10 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	8.5 – 10.5 ft	2 – 4 ft	4.5 – 6.5 ft
	Sample ID	DSIP2-07-1-3	DSIP2-07-3-5	DSIP2-07-5-7	DSIP2-07-8-10	DSIP2-08-1-3	DSIP2-08-3.5-5.5	DSIP2-08-6-8	DSIP2-08-8.5-10.5	DSIP2-09-2-4	DSIP2-09-4.5-6.5
	Sample Date	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/25/2013	11/25/2013
	X	1267896.21	1267896.21	1267896.21	1267896.21	1267991.80	1267991.80	1267991.80	1267991.80	1268002.99	1268002.99
	Y	204592.61	204592.61	204592.61	204592.61	204592.40	204592.40	204592.40	204592.40	204347.85	204347.85
Soil Screening Level											
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	5.2	0.174 U	0.0239 U	0.136 U	0.0277 U	**0.954 J**	0.547 U	0.0355 U	0.139 U	0.258 U	0.0387 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		0.119 U	0.0398 U	0.0904 U	0.0534 U	**3.43**	**1.97**	0.0652 U	0.0594 U	0.764 U	0.0968 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**0.125 J**	**0.0676 J**	**0.204 J**	0.0711 U	**1.95**	**1.13**	0.0395 U	**0.113 J**	**0.57 J**	**0.0929 J**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		0.224 U	0.0855 U	0.251 U	0.0731 U	**3.54**	**3.07**	0.18 U	0.188 U	**0.886 J**	0.11 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		0.368 U	0.121 U	0.306 U	0.0771 U	**3.29**	**2.34**	0.14 U	0.267 U	**1.07**	0.172 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		4.13 U	1.42 U	**6.34**	0.664 U	**44.3**	**57.3**	2.19 U	4.78 U	**11.9**	1.67 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		**32.5**	8.95 U	**52.9**	3.76 U	**506**	**398**	14.6 U	**41.3**	**94.2**	10.4 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)		**2.49 J**	0.237 U	0.792 U	0.283 U	**21.2 J**	**16.3 J**	0.864 U	0.907 U	**4.8 J**	0.274 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)		**2.11 J**	0.0835 U	1.13 U	0.0611 U	**24.5**	**18**	0.607 U	1.02 U	**5.74 J**	0.253 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)		3.74 U	1.24 U	4.84 U	0.296 U	**43.8**	**33.5**	1.89 U	3.66 U	**9.49 J**	1.85 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)		9.4 U	3.69 U	15.2 U	1.58 U	**93.3**	**113**	5.4 U	11 U	**24.3**	4.32 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		0.154 U	0.0179 U	0.0275 U	0.0257 U	**5.43**	**4.34 J**	0.184 U	0.0594 U	**0.5 J**	0.0368 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		0.148 U	0.0417 U	0.0432 U	0.0415 U	**3.92**	**3.5**	0.111 U	0.0871 U	**0.617 J**	0.0426 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		0.127 U	0.0378 U	0.0236 U	0.0277 U	**6.11**	**4.67 J**	0.107 U	0.0634 U	**0.641 J**	0.0426 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		**0.109 J**	0.0239 U	**0.273 J**	0.0277 U	**4.94**	**4.3**	**0.0948 J**	**0.279 J**	**0.622 J**	0.0329 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		**0.0554 J**	0.0239 U	**0.0688 J**	0.0257 U	**4.27**	**4.07**	**0.0711 J**	**0.0653 J**	**0.517 J**	0.031 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		0.0673 U	0.0338 U	0.055 U	0.0356 U	**1.25 J**	**1.3 J**	0.0434 U	0.0554 U	**0.601 J**	0.0561 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		**0.0613 J**	0.0278 U	**0.0923 J**	0.0296 U	**5.26**	**5.23**	**0.0632 J**	**0.113 J**	**0.777 J**	**0.0445 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		**0.607 J**	0.0775 U	**1.28**	0.0632 U	**20.7**	**23.5**	**0.517 J**	**0.915 J**	**3.36**	0.116 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		**0.0396 J**	0.0417 U	**0.0884 J**	0.0455 U	**1.39 J**	**2.07**	0.0454 U	0.0515 U	**0.642 J**	0.0542 U
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		**1.15 J**	0.0974 U	**3.52**	0.101 U	**36**	**66.9**	**0.732 J**	**2.07**	**7.01**	**0.167 J**
Total Tetrachlorodibenzofuran (TCDF)		**3.53 J**	0.0398 U	0.147 U	**0.626 J**	**164 J**	**104 J**	**3.6 J**	**1.73 J**	**12.3 J**	0.0376 U
Total Pentachlorodibenzofuran (PeCDF)		**1.33 J**	0.0422 U	**0.826 J**	0.0979 U	**96 J**	**69.4 J**	**1.68 J**	**0.855 J**	**8.89 J**	0.0426 U
Total Hexachlorodibenzofuran (HxCDF)		**1.04 J**	0.0282 U	**2.13 J**	0.0356 U	**52.3 J**	**51.6 J**	**1.07 J**	**2.11 J**	**7.16 J**	0.0997 U
Total Heptachlorodibenzofuran (HpCDF)		**1.44 J**	0.169 U	**3.86**	0.0632 U	**46 J**	**64**	**0.959**	**3.27**	**8.35 J**	0.235 U
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	5.2	**0.051631 J**	**0.00676 J**	**0.15782 J**	0.0534 U	**10.1541 J**	**7.02217 J**	**0.0282996 J**	**0.079191 J**	**0.954493 J**	**0.0137901 J**

Table 7-5g
Soil Results: Dioxin/Furans

	Location ID	DSIP2-09_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-10_1311	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311
	Depth	7 – 9 ft	1 – 3 ft	3.5 – 5.5 ft	6 – 8 ft	1 – 3 ft	3 – 5 ft	5 – 6 ft	7 – 9 ft	1 – 3 ft	5 – 7 ft	8 – 10 ft
	Sample ID	DSIP2-09-7-9	DSIP2-10-1-3	DSIP2-10-3.5-5.5	DSIP2-10-6-8	DSIP2-28-1-3	DSIP2-28-3-5	DSIP2-28-5-6	DSIP2-28-7-9	DSIP2-29-1-3	DSIP2-29-5-7	DSIP2-29-8-10
	Sample Date	11/25/2013	11/25/2013	11/25/2013	11/25/2013	12/2/2013	12/2/2013	12/2/2013	12/2/2013	11/25/2013	11/25/2013	11/25/2013
	X	1268002.99	1267966.58	1267966.58	1267966.58	1267985.36	1267985.36	1267985.36	1267985.36	1267967.58	1267967.58	1267967.58
	Y	204347.85	204286.98	204286.98	204286.98	204392.42	204392.42	204392.42	204392.42	204223.52	204223.52	204223.52
	Soil Screening Level											
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	5.2	0.0515 U	0.423 U	0.169 U	0.163 U	0.449 U	**1.35**	0.379 U	0.0458 U	0.754 U	0.182 U	0.144 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		0.0653 U	**1.81**	0.185 U	0.0689 U	**1.81**	**8.72**	**0.858 J**	0.107 U	**4.59**	0.195 U	0.0494 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		0.0911 U	**2.1**	**0.532 J**	0.0709 U	**1.62**	**8.6**	**0.536 J**	0.118 U	**6.71**	**0.168 J**	0.0514 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		0.125 U	**7.51**	**2.21**	0.0728 U	**5.77**	**61.7**	**1.05 J**	**0.231 J**	**94.8**	**3.33**	0.324 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		0.198 U	**3.47**	0.886 U	0.246 U	**3.46**	**20**	**1.14**	0.241 U	**14.3**	0.328 U	0.126 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		1.53 U	**188**	**81.7**	2.96 U	**94.3**	**1430**	**16.9**	4.67 U	**3090**	**112**	**7.5**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		9.79 U	**3010**	**1050**	**33**	**596**	**11000 J**	**139**	38.8 U	**43900 J**	**1390**	**101**
Total Tetrachlorodibenzo-p-dioxin (TCDD)		0.483 U	**10.4 J**	**2.19 J**	1.47 U	**23.1 J**	**74.5 J**	**7.23 J**	0.601 U	**19.1 J**	1.17 U	0.476 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)		0.23 U	**11.4 J**	**7.56 J**	1.47 U	**27.3 J**	**117 J**	**7.78 J**	**0.857 J**	**50.2 J**	1.2 U	0.119 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)		1.49 U	**34.2**	**19.2 J**	2.71 U	**67.5 J**	**487 J**	**13.7 J**	3.21 U	**347**	**10.9 J**	1.64 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)		3.98 U	**303**	**135**	7.11 U	**208**	**2630**	**32.4**	10.2 U	**5390**	**188**	13.4 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		0.0475 U	**0.896 J**	0.0438 U	0.142 U	**1.38**	**2.77**	**1.91**	**0.127 J**	**1.77 J**	0.154 U	0.0257 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		0.0475 U	**1.61**	0.213 U	0.0492 U	**0.581 J**	**2.22 J**	**1.29 J**	**0.114 J**	**9.89**	**0.503 J**	0.0909 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		0.0475 U	**3.15**	**0.633 J**	0.0551 U	**0.755 J**	**4.87 J**	**1.23**	**0.0896 J**	**38.5**	**1.56**	0.156 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		**0.0317 J**	**27.9**	**10.1**	**0.112 J**	**1.26**	**14.9**	**1.22 J**	**0.149 J**	**521**	**19.3**	**1.4**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		0.0455 U	**5.1**	**1.7**	0.0354 U	**1.03**	**7.17**	**1.06**	**0.106 J**	**77.3**	**2.75**	**0.221 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		0.0614 U	**3.88 J**	**1.11 J**	0.0472 U	**0.297 J**	**3.38 J**	**0.353 J**	**0.0458 J**	**71.3 J**	**3.04 J**	0.3 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		0.0495 U	**7.02**	**2.26**	0.0394 U	**1.67**	**15.9**	**1.25 J**	0.0498 U	**101**	**3.86**	**0.326 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		0.0495 U	**71.6**	**45.5**	**0.685 J**	**27.4 J**	**409 J**	**5.69 J**	**0.962 J**	**1480**	**54.3**	**3.06 J**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		0.0693 U	**13.9**	**5.73**	**0.122 J**	**1.51**	**26.5**	**0.572 J**	0.0916 U	**262**	**10.3**	**0.704 J**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		0.218 U	**140**	**72.2**	**1.4 J**	**83.8**	**1840**	**10.5**	**2.31**	**3130**	**151**	**7.48**
Total Tetrachlorodibenzofuran (TCDF)		**0.562 J**	**14 J**	**1.76 J**	**3.8 J**	**19.1 J**	**51.9 J**	**37 J**	**1.65 J**	**32.4 J**	**3.14 J**	0.28 U
Total Pentachlorodibenzofuran (PeCDF)		0.0475 U	**28.8 J**	**11.5 J**	0.34 U	**16.1 J**	**113 J**	**19.5 J**	**1.19 J**	**510 J**	**20.4 J**	**1.68 J**
Total Hexachlorodibenzofuran (HxCDF)		0.0309 U	**148 J**	**60.7 J**	**0.994 J**	**31.1 J**	**439 J**	**14 J**	**1.37 J**	**2960 J**	**116 J**	**8.05 J**
Total Heptachlorodibenzofuran (HpCDF)		0.0966 U	**250 J**	**143**	**2.31 J**	**77.5 J**	**1550 J**	**14.5 J**	**2.48 J**	**6060 J**	**234 J**	**12.7 J**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	5.2	**0.00317 J**	**12.2709 J**	**3.64706 J**	**0.02959 J**	**5.13867 J**	**47.5466 J**	**2.39407 J**	**0.106493 J**	**167.6837 J**	**5.95619 J**	**0.339884 J**

Table 7-5g
Soil Results: Dioxin/Furans

Notes:
Detected concentration is greater than the soil screening level
Bold = Detected result
ft = foot
J = estimated value
ng/kg = nanograms per kilogram
TEQ = Toxics Equivalents Quotient
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit

Table 7-5h
Soil Results: EPH/VPH

	Location ID	DSI-GP-04	DSI-GP-04	DSI-GP-09
	Depth	2.5 – 4.5 ft	5.5 – 7.5 ft	6 – 8 ft
	Sample ID	DSI-GP-04-2.5-4.5	DSI-GP-04-5.5-7.5	DSI-GP-09-6-8
	Sample Date	7/15/2009	7/15/2009	7/16/2009
	X	1267562.47	1267562.47	1267877.01
	Y	204594.78	204594.78	204409.65
	Soil Screening Level			
Extractable Petroleum Hydrocarbons (mg/kg)				
C8-C10 Aliphatics		**6.6 J**	2.4 UJ	2.5 U
C10-C12 Aliphatics		**27 J**	2.4 UJ	2.5 U
C8-C10 Aromatics		2.5 UJ	2.4 UJ	2.5 U
C10-C12 Aromatics		2.5 UJ	2.4 UJ	2.5 U
Volatile Petroleum Hydrocarbons (mg/kg)				
C8-C10 Aliphatics		**16**	12 U	12 U
C10-C12 Aliphatics		16 U	12 U	12 U
C8-C10 Aromatics		**35**	12 U	12 U
C10-C12 Aromatics		**100**	12 U	12 U
n-Alkanes and Isoprenoids (µg/kg)				
n-Decane (C10)		**2400**	1200 U	1200 U
n-Dodecane (C12)		1600 UJ	1200 UJ	1200 UJ
n-Hexane (C6)		1600 U	1200 U	1200 U
n-Octane (C8)		1600 U	1200 U	1200 U
n-Pentane (C5)		1600 U	1200 U	1200 U
Petroleum Hydrocarbons (mg/kg)				
C6-C8 Aliphatics		16 U	12 U	12 U
C12-C16 Aliphatics		**290 J**	2.4 UJ	2.5 U
C16-C21 Aliphatics		**300 J**	2.4 UJ	2.5 UJ
C21-C34 Aliphatics		**170 J**	2.4 UJ	2.5 U
C12-C13 Aromatics		**190**	12 U	12 U
C12-C16 Aromatics		**37 J**	2.4 UJ	2.5 U
C16-C21 Aromatics		**160 J**	2.4 UJ	2.5 U
C21-C34 Aromatics		**70 J**	2.4 UJ	2.5 UJ

Notes:
Bold = Detected result
µg/kg = micrograms per kilogram
ft = foot
J = estimated value
mg/kg = milligrams per kilogram
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit

Table 7-6a
Groundwater and Seep Results: Conventionals and Field Parameters

	Location ID	DSI-MW-01	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-03	DSI-MW-04	DSI-MW-04	DSI-MW-04
	Depth	4.6 – 14.5 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	29.85 – 39.75 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft
	Sample ID	DSI-MW-01-072209	DSI-MW-02-010714	DSI-MW-02-012915	DSI-MW-02-041814	DSI-MW-02-070714	DSI-MW-02-072209	DSI-MW-03-072909	DSI-MW-04-011014	DSI-MW-04-012915	DSI-MW-04-041514
	Sample Date	7/22/2009	1/7/2014	1/29/2015	4/18/2014	7/7/2014	7/22/2009	7/29/2009	1/10/2014	1/29/2015	4/15/2014
	Sample Type	N	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267511.08	1267537.85	1267537.85	1267537.85	1267537.85	1267537.85	1267731.36	1267894.98	1267894.98	1267894.98
	Y	204376.69	204619.49	204619.49	204619.49	204619.49	204619.49	204467.03	204416.16	204416.16	204416.16
	Screening Level										
Field Parameters (deg C)											
Temperature (deg C)		--	**10.5**	--	--	--	--	--	**10.4**	--	--
Turbidity (NTU)		--	**7.6**	--	--	--	--	--	**2.2**	--	--
pH (su)		--	**6.42**	--	--	--	--	--	**6.57**	--	--
Reduction oxidation potential (EH) (mV)		--	**7.9**	--	--	--	--	--	**-27.1**	--	--
Conductivity (µmhos/cm)		--	**6152**	--	--	--	--	--	**7713**	--	--
Conventional Parameters (mg/L)											
Alkalinity, bicarbonate as calcium carbonate (CaCO3)		--	**206**	**240**	**200**	**207**	**182**	--	**187**	**199**	**142**
Alkalinity, carbonate as calcium carbonate (CaCO3)		--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Alkalinity, hydroxide as calcium carbonate (CaCO3)		--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Alkalinity, total as calcium carbonate (CaCO3)		--	**206**	**240**	**200**	**207**	**182**	--	**187**	**199**	**142**
Ammonia		--	**3.09**	--	--	--	--	--	**5.48**	--	--
Ammonia as nitrogen		--	--	**0.982**	**1.34**	**3.5**	--	--	--	**3.42**	**6.34**
Chloride		**1670 J**	**1850**	**1620**	**1990**	**1950**	**740 J**	**11900**	**2450**	**1360**	**2440**
Dissolved oxygen (field)		--	**1.38**	--	--	--	--	--	**0.26**	--	--
Nitrate + nitrite as nitrogen		--	--	--	--	--	0.1 UJ	--	--	--	--
Nitrate as nitrogen		--	**1.8**	**0.2**	**0.1**	**0.3**	0.1 UJ	--	0.1 U	**0.1**	0.1 U
Nitrite as nitrogen		--	--	--	--	--	0.1 UJ	--	--	--	--
Sulfate		--	**33.3**	**40.5**	**40.3**	**26.5**	**14.9**	--	**49.9**	**57.1**	**49.5**
Sulfide		--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	--	0.05 U	**0.075**	0.05 U
Total suspended solids		--	**6.9**	**3.4**	**2.9**	**6.7**	--	--	**47.2**	**46.7**	**64.2**
Conventional Parameters, Dissolved (mg/L)											
Total dissolved solids		--	**3610**	**3120**	**3380**	**3530**	--	--	**4410**	**2560**	**4230**

Table 7-6a
Groundwater and Seep Results: Conventionals and Field Parameters

	Location ID	DSI-MW-04	DSI-MW-04	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-06	DSI-MW-06	DSI-MW-06
	Depth	4.6 – 14.2 ft	4.6 – 14.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft
	Sample ID	DSI-MW-04-070914	DSI-MW-04-072309	DSI-MW-05-010814	DSI-MW-05-012815	DSI-MW-05-041514	DSI-MW-05-071014	DSI-MW-05-072909	DSI-MW-06-010714	DSI-MW-06-012915	DSI-MW-06-041414
	Sample Date	7/9/2014	7/23/2009	1/8/2014	1/28/2015	4/15/2014	7/10/2014	7/29/2009	1/7/2014	1/29/2015	4/14/2014
	Sample Type	N	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267894.98	1267894.98	1267969.75	1267969.75	1267969.75	1267969.75	1267969.75	1267953.29	1267953.29	1267953.29
	Y	204416.16	204416.16	204575.21	204575.21	204575.21	204575.21	204575.21	204456.31	204456.31	204456.31
Screening Level											
Field Parameters (deg C)											
Temperature (deg C)		--	--	**9.9**	--	--	--	--	**11.1**	--	--
Turbidity (NTU)		--	--	**0.6**	--	--	--	--	**3**	--	--
pH (su)		--	--	**6.22**	--	--	--	--	**5.98**	--	--
Reduction oxidation potential (EH) (mV)		--	--	**-2.9**	--	--	--	--	**-52.1**	--	--
Conductivity (µmhos/cm)		--	--	**15091**	--	--	--	--	**5404**	--	--
Conventional Parameters (mg/L)											
Alkalinity, bicarbonate as calcium carbonate (CaCO3)		**154**	**177**	**75.3**	**146**	**94.2**	**112**	--	**176**	**172**	**153**
Alkalinity, carbonate as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Alkalinity, hydroxide as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Alkalinity, total as calcium carbonate (CaCO3)		**154**	**177**	**75.3**	**146**	**94.2**	**112**	--	**176**	**172**	**153**
Ammonia		--	--	**2.41**	--	--	--	--	**5.64**	--	--
Ammonia as nitrogen		**5.71**	--	--	**1.58 J**	**2.23**	**2.76**	--	--	**4.19**	**5.02**
Chloride		**2290**	**526**	**4780**	**6080**	**4360**	**5000**	**461**	**1870**	**2270**	--
Dissolved oxygen (field)		--	--	**0.33**	--	--	--	--	**0.47**	--	--
Nitrate + nitrite as nitrogen		--	1 UJ	--	--	--	--	--	--	--	--
Nitrate as nitrogen		0.1 U	1 UJ	**1.2**	0.1 U	0.1 U	5 U	--	**0.1**	**0.1**	0.1 U
Nitrite as nitrogen		--	1 U	--	--	--	--	--	--	--	--
Sulfate		**64.2**	**55.1**	**138**	0.1 U	**108**	**145**	--	**76.2**	**37.8**	**24.5**
Sulfide		0.05 U	**0.086**	0.05 U	0.05 U	0.05 U	0.05 U	--	0.05 U	**0.078**	0.05 U
Total suspended solids		**54.6**	--	**2.6**	**9.3**	**18.3**	**25.7**	--	**14.3**	**19.7**	**31**
Conventional Parameters, Dissolved (mg/L)											
Total dissolved solids		**4250**	--	**7630**	**10200**	**7730**	**10400**	--	**3000**	**4830**	**3670**

Table 7-6a
Groundwater and Seep Results: Conventionals and Field Parameters

	Location ID	DSI-MW-06	DSI-MW-06	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-08	DSI-MW-08	DSI-MW-08
	Depth	5.4 – 15.1 ft	5.4 – 15.1 ft	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft
	Sample ID	DSI-MW-06-070814	DSI-MW-06-072909	DSI-MW-07-010614	DSI-MW-07-012915	DSI-MW-07-041514	DSI-MW-07-070814	DSI-MW-07-072409	DSI-MW-08-010914	DSI-MW-08-012915	DSI-MW-08-041714
	Sample Date	7/8/2014	7/29/2009	1/6/2014	1/29/2015	4/15/2014	7/8/2014	7/24/2009	1/9/2014	1/29/2015	4/17/2014
	Sample Type	N	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267953.29	1267953.29	1267953.32	1267953.32	1267953.32	1267953.32	1267953.32	1267967.62	1267967.62	1267967.62
	Y	204456.31	204456.31	204463.39	204463.39	204463.39	204463.39	204463.39	204366.34	204366.34	204366.34
	Screening Level										
Field Parameters (deg C)											
Temperature (deg C)		--	--	**12.1**	--	--	--	--	**9.9**	--	--
Turbidity (NTU)		--	--	**16**	--	--	--	--	**8.4**	--	--
pH (su)		--	--	**6.65**	--	--	--	--	**6.37**	--	--
Reduction oxidation potential (EH) (mV)		--	--	**-75.6**	--	--	--	--	**-73.1**	--	--
Conductivity (µmhos/cm)		--	--	**36970**	--	--	--	--	**5289**	--	--
Conventional Parameters (mg/L)											
Alkalinity, bicarbonate as calcium carbonate (CaCO3)		**158**	**174**	**213**	**196**	**190**	**217**	--	**224**	**208**	**176**
Alkalinity, carbonate as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Alkalinity, hydroxide as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Alkalinity, total as calcium carbonate (CaCO3)		**158**	**174**	**213**	**196**	**190**	**217**	--	**224**	**208**	**176**
Ammonia		--	--	**2.78**	--	--	--	--	**7.88**	--	--
Ammonia as nitrogen		**6.66**	--	--	**3.52**	**2.99**	**4.46**	--	--	**8.86**	**7.84**
Chloride		**2140**	**131**	**13900**	**13400**	**13100**	**12600**	**15400**	**1580**	**2040**	**1550 J**
Dissolved oxygen (field)		--	--	**0.1**	--	--	--	--	**2.29**	--	--
Nitrate + nitrite as nitrogen		--	0.1 U	--	--	--	--	--	--	--	--
Nitrate as nitrogen		0.1 U	0.1 U	1 U	0.1 U	1 U	5 U	--	0.1 U	0.1 U	0.1 U
Nitrite as nitrogen		--	**0.02**	--	--	--	--	--	--	--	--
Sulfate		**43.5**	**9.5**	**2040**	**1800**	**1980**	**1890**	--	**8**	**16.7**	**21.1 J**
Sulfide		0.05 U	**0.09**	0.05 U	0.05 U	0.05 U	0.05 U	--	0.05 U	0.05 U	0.05 U
Total suspended solids		**39.4**	--	**18**	**34.8**	**38.7**	**58.3**	--	**25**	**67.3**	**16.2**
Conventional Parameters, Dissolved (mg/L)											
Total dissolved solids		**4560**	--	**21800**	**23400**	**25000**	**23200**	--	**2790**	**4140**	**3180**

Table 7-6a
Groundwater and Seep Results: Conventionals and Field Parameters

	Location ID	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-10	DSI-MW-10
	Depth	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	30.9 – 40.7 ft	30.9 – 40.7 ft
	Sample ID	DSI-MW-08-070814	DSI-MW-08-072809	DSI-MW-58-070814	DSI-MW-09-010914	DSI-MW-09-012915	DSI-MW-09-04142014	DSI-MW-09-070914	DSI-MW-09-072809	DSI-MW-10-010914	DSI-MW-10-012915
	Sample Date	7/8/2014	7/28/2009	7/8/2014	1/9/2014	1/29/2015	4/14/2014	7/9/2014	7/28/2009	1/9/2014	1/29/2015
	Sample Type	N	N	FD	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267967.62	1267967.62	1267967.62	1267963.77	1267963.77	1267963.77	1267963.77	1267963.77	1267964.60	1267964.60
	Y	204366.34	204366.34	204366.34	204267.40	204267.40	204267.40	204267.40	204267.40	204275.46	204275.46
	Screening Level										
Field Parameters (deg C)											
Temperature (deg C)		--	--	--	**10.7**	--	--	--	--	**12.2**	--
Turbidity (NTU)		--	--	--	**0.1**	--	--	--	--	**6.5**	--
pH (su)		--	--	--	**6.63**	--	--	--	--	**6.96**	--
Reduction oxidation potential (EH) (mV)		--	--	--	**-50.2**	--	--	--	--	**-80.4**	--
Conductivity (µmhos/cm)		--	--	--	**390**	--	--	--	--	**40091**	--
Conventional Parameters (mg/L)											
Alkalinity, bicarbonate as calcium carbonate (CaCO3)		**124**	--	**118**	**201**	**138**	**171**	**145**	**152**	**159**	**130**
Alkalinity, carbonate as calcium carbonate (CaCO3)		1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, hydroxide as calcium carbonate (CaCO3)		1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, total as calcium carbonate (CaCO3)		**124**	--	**118**	**201**	**138**	**171**	**145**	**152**	**159**	**130**
Ammonia		--	--	--	**0.646**	--	--	--	--	**0.728**	--
Ammonia as nitrogen		**9.29**	--	**9.53**	--	**0.898**	**0.615**	**1.74**	--	--	**1.13**
Chloride		**1790**	**193**	**1630**	**5.9**	**284**	--	**9.6**	**456**	**14600**	**15400**
Dissolved oxygen (field)		--	--	--	**0.51**	--	--	--	--	**0.07**	--
Nitrate + nitrite as nitrogen		--	--	--	--	--	--	--	0.01 U	--	--
Nitrate as nitrogen		0.1 U	--	0.1 U	0.1 U	**0.1**	0.1 U	0.1 U	0.01 U	1 U	0.1 U
Nitrite as nitrogen		--	--	--	--	--	--	--	0.01 U	--	--
Sulfate		**12.1**	--	**10.3**	**11.4**	**37.9**	**22.9**	**6.4**	**72.9**	**2220**	**2110**
Sulfide		0.05 U	--	0.05 U	0.05 U	0.05 U	**0.053**	0.05 U	0.05 U	0.05 U	0.05 U
Total suspended solids		**110**	--	**113**	1.1 U	**4**	**10.4**	**5.4**	--	**13.1**	**16.6**
Conventional Parameters, Dissolved (mg/L)											
Total dissolved solids		**3500**	--	**3470**	**228**	**964**	**258**	**240**	--	**26200**	**26200**

Table 7-6a
Groundwater and Seep Results: Conventionals and Field Parameters

	Location ID	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-06_1311	DSIP2-06_1311
	Depth	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5 – 15 ft	5 – 15 ft
	Sample ID	DSI-MW-10-041614	DSI-MW-10-071114	DSI-MW-10-072809	DSI-MW-60-041614	DSIP2-02-MW-010714	DSIP2-02-MW-012815	DSIP2-02-MW-041614	DSIP2-02-MW-070914	DSIP2-06-MW-010814	DSIP2-06-MW-012815
	Sample Date	4/16/2014	7/11/2014	7/28/2009	4/16/2014	1/7/2014	1/28/2015	4/16/2014	7/9/2014	1/8/2014	1/28/2015
	Sample Type	N	N	N	FD	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267964.60	1267964.60	1267964.60	1267964.60	1267562.38	1267562.38	1267562.38	1267562.38	1267821.70	1267821.70
	Y	204275.46	204275.46	204275.46	204275.46	204456.85	204456.85	204456.85	204456.85	204456.60	204456.60
	Screening Level										
Field Parameters (deg C)											
Temperature (deg C)		--	--	--	--	**10.3**	--	--	--	**9.7**	--
Turbidity (NTU)		--	--	--	--	**10**	--	--	--	**7.6**	--
pH (su)		--	--	--	--	**6.27**	--	--	--	**6.63**	--
Reduction oxidation potential (EH) (mV)		--	--	--	--	**-82.3**	--	--	--	**-114**	--
Conductivity (µmhos/cm)		--	--	--	--	**4829**	--	--	--	**6275**	--
Conventional Parameters (mg/L)											
Alkalinity, bicarbonate as calcium carbonate (CaCO3)		**132**	**135**	--	**133**	**205**	**214**	**210**	**240**	**177**	**197**
Alkalinity, carbonate as calcium carbonate (CaCO3)		1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, hydroxide as calcium carbonate (CaCO3)		1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, total as calcium carbonate (CaCO3)		**132**	**135**	--	**133**	**205**	**214**	**210**	**240**	**177**	**197**
Ammonia		--	--	--	--	**6.45**	--	--	--	**7.41**	--
Ammonia as nitrogen		**0.978**	**1.24**	--	**0.993**	--	**8.85 J**	**6.52**	**7.54**	--	**10.7 J**
Chloride		**17600**	**15200**	**16800**	**13000**	**1480**	**1970**	**1320**	**1980**	**2050**	**2800**
Dissolved oxygen (field)		--	--	--	--	**0.43**	--	--	--	**0.33**	--
Nitrate + nitrite as nitrogen		--	--	--	--	--	--	--	--	--	--
Nitrate as nitrogen		0.1 U	2 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nitrite as nitrogen		--	--	--	--	--	--	--	--	--	--
Sulfate		**2190 J**	**2290**	--	**2200 J**	**0.3**	**0.8**	**4.8 J**	**1.3**	**77.3**	**34.4**
Sulfide		0.05 U	0.05 U	--	0.05 U	0.05 U	**0.051**	**0.083**	0.05 U	**0.153**	**0.135**
Total suspended solids		**14.5**	**15.5**	--	**14.2**	**32.2**	**51.2**	**60.3**	**28.6**	**29.1**	**50.6**
Conventional Parameters, Dissolved (mg/L)											
Total dissolved solids		**27600**	**27200**	--	**27800**	**2720**	**4070**	**3040**	**3880**	**3100**	**4930**

Table 7-6a
Groundwater and Seep Results: Conventionals and Field Parameters

	Location ID	DSIP2-06_1311	DSIP2-06_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-13_1311	DSIP2-13_1311
	Depth	5 – 15 ft	5 – 15 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	5.3 – 15.3 ft	5.3 – 15.3 ft
	Sample ID	DSIP2-06-MW-041414	DSIP2-06-MW-070814	DSIP2-08-MW-010814	DSIP2-08-MW-012815	DSIP2-08-MW-041614	DSIP2-08-MW-071014	DSIP2-58-MW-010814	DSIP2-13-MW-010614	DSIP2-13-MW-012815
	Sample Date	4/14/2014	7/8/2014	1/8/2014	1/28/2015	4/16/2014	7/10/2014	1/8/2014	1/6/2014	1/28/2015
	Sample Type	N	N	N	N	N	N	FD	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267821.70	1267821.70	1267991.80	1267991.80	1267991.80	1267991.80	1267991.80	1267446.25	1267446.25
	Y	204456.60	204456.60	204592.40	204592.40	204592.40	204592.40	204592.40	204365.45	204365.45
Screening Level										
Field Parameters (deg C)										
Temperature (deg C)		--	--	12.8	--	--	--	12.8	8.2	--
Turbidity (NTU)		--	--	34	--	--	--	34	2.7	--
pH (su)		--	--	6.99	--	--	--	6.99	6.76	--
Reduction oxidation potential (EH) (mV)		--	--	-123.1	--	--	--	-123.1	-189.9	--
Conductivity (µmhos/cm)		--	--	6240	--	--	--	6240	1702	--
Conventional Parameters (mg/L)										
Alkalinity, bicarbonate as calcium carbonate (CaCO3)		175	218	634	533	561	579	650	284	223
Alkalinity, carbonate as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, hydroxide as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, total as calcium carbonate (CaCO3)		175	218	634	533	561	579	650	284	223
Ammonia		--	--	0.316	--	--	--	0.34	0.41	--
Ammonia as nitrogen		9.01	10.2	--	1.64 J	0.543	0.936	--	--	1.22 J
Chloride		--	1800	1660	2370	1580 J	1780	1700	369	1750
Dissolved oxygen (field)		--	--	0.92	--	--	--	0.92	0.41	--
Nitrate + nitrite as nitrogen		--	--	--	--	--	--	--	--	--
Nitrate as nitrogen		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1	0.1 U
Nitrite as nitrogen		--	--	--	--	--	--	--	--	--
Sulfate		29.6	41.5	39.6	17.3	23.7 J	18.1	40.1	11.1	16.3
Sulfide		0.055	0.102	0.168	0.14	0.053	0.127	0.167	0.475	0.279
Total suspended solids		41.8	42	7.4	1.3	2.1	2.1	7.6	1 U	16.4
Conventional Parameters, Dissolved (mg/L)										
Total dissolved solids		3980	3300	3350	4030	3410	4560	3270	982	6300

Table 7-6a
Groundwater and Seep Results: Conventionals and Field Parameters

	Location ID	DSIP2-13_1311	DSIP2-13_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311
	Depth	5.3 – 15.3 ft	5.3 – 15.3 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft
	Sample ID	DSIP2-13-MW-041514	DSIP2-13-MW-070814	DSIP2-15-MW-010614	DSIP2-15-MW-012815	DSIP2-15-MW-041514	DSIP2-15-MW-070914	DSIP2-16-MW-010614	DSIP2-16-MW-013015	DSIP2-16-MW-041514
	Sample Date	4/15/2014	7/8/2014	1/6/2014	1/28/2015	4/15/2014	7/9/2014	1/6/2014	1/30/2015	4/15/2014
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267446.25	1267446.25	1267509.17	1267509.17	1267509.17	1267509.17	1267562.84	1267562.84	1267562.84
	Y	204365.45	204365.45	204385.33	204385.33	204385.33	204385.33	204360.20	204360.20	204360.20
Screening Level										
Field Parameters (deg C)										
Temperature (deg C)		--	--	**12.5**	--	--	--	**9.1**	--	--
Turbidity (NTU)		--	--	**4.4**	--	--	--	**4**	--	--
pH (su)		--	--	**6.93**	--	--	--	**6.97**	--	--
Reduction oxidation potential (EH) (mV)		--	--	**-141**	--	--	--	**-38**	--	--
Conductivity (µmhos/cm)		--	--	**1757**	--	--	--	**2306**	--	--
Conventional Parameters (mg/L)										
Alkalinity, bicarbonate as calcium carbonate (CaCO3)		**193**	**246**	**491**	**480**	**493**	**500**	**333**	**174**	**155**
Alkalinity, carbonate as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, hydroxide as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, total as calcium carbonate (CaCO3)		**193**	**246**	**491**	**480**	**493**	**500**	**333**	**174**	**155**
Ammonia		--	--	**1.33**	--	--	--	**1.07**	--	--
Ammonia as nitrogen		**0.429**	**0.557**	--	**1.3 J**	**1.39**	**1.33**	--	**0.902**	**0.787**
Chloride		**780**	**831**	**354**	**259**	**425**	**383**	**571**	**458**	**260**
Dissolved oxygen (field)		--	--	**0.76**	--	--	--	**3.61**	--	--
Nitrate + nitrite as nitrogen		--	--	--	--	--	--	--	--	--
Nitrate as nitrogen		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.1**	**0.1**	0.1 U	0.1 U
Nitrite as nitrogen		--	--	--	--	--	--	--	--	--
Sulfate		**9.6**	**4.4**	0.1 U	0.1 U	**0.3**	0.1 U	**27.1**	**15**	**14.1**
Sulfide		**0.162**	**0.225**	**0.066**	**0.083**	0.05 U	0.05 U	**0.063**	0.05 U	0.05 U
Total suspended solids		**26.2**	**3.9**	**4.2**	**10.4**	**2.6**	**1.1**	**3.8**	**23.3**	**2.6**
Conventional Parameters, Dissolved (mg/L)										
Total dissolved solids		**1480**	**1620**	**1080**	**1070**	**1290**	**1260**	**1270**	**1060**	**660**

Table 7-6a
Groundwater and Seep Results: Conventionals and Field Parameters

	Location ID	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-19_1312	DSIP2-19_1312
	Depth	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	4.8 – 14.8 ft	4.8 – 14.8 ft
	Sample ID	DSIP2-16-MW-070814	DSIP2-66-MW-013015	DSIP2-66-MW-041514	DSIP2-17-MW-010714	DSIP2-17-MW-012915	DSIP2-17-MW-041714	DSIP2-17-MW-070714	DSIP2-19-MW-010714	DSIP2-19-MW-012915
	Sample Date	7/8/2014	1/30/2015	4/15/2014	1/7/2014	1/29/2015	4/17/2014	7/7/2014	1/7/2014	1/29/2015
	Sample Type	N	FD	FD	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267562.84	1267562.84	1267562.84	1267480.85	1267480.85	1267480.85	1267480.85	1267489.96	1267489.96
	Y	204360.20	204360.20	204360.20	204502.28	204502.28	204502.28	204502.28	204622.78	204622.78
Screening Level										
Field Parameters (deg C)										
Temperature (deg C)		--	--	--	**10.2**	--	--	--	**11.1**	--
Turbidity (NTU)		--	--	--	**3**	--	--	--	**1**	--
pH (su)		--	--	--	**6.68**	--	--	--	**6.85**	--
Reduction oxidation potential (EH) (mV)		--	--	--	**-84.6**	--	--	--	**-86.1**	--
Conductivity (µmhos/cm)		--	--	--	**3155**	--	--	--	**3246**	--
Conventional Parameters (mg/L)										
Alkalinity, bicarbonate as calcium carbonate (CaCO3)		**244**	**170**	**152**	**224**	**199**	**222**	**202**	**207**	**247**
Alkalinity, carbonate as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, hydroxide as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, total as calcium carbonate (CaCO3)		**244**	**170**	**152**	**224**	**199**	**222**	**202**	**207**	**247**
Ammonia		--	--	--	**1.74**	--	--	--	**2.08**	--
Ammonia as nitrogen		**0.934**	**0.929**	**0.817**	--	**1.72**	**2.42**	**1.59**	--	**1.75**
Chloride		**322**	**449**	**258**	**857**	**1580**	**1740 J**	**1100**	**853**	**886**
Dissolved oxygen (field)		--	--	--	**0.44**	--	--	--	**0.34**	--
Nitrate + nitrite as nitrogen		--	--	--	--	--	--	--	--	--
Nitrate as nitrogen		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.1**
Nitrite as nitrogen		--	--	--	--	--	--	--	--	--
Sulfate		**9.4**	**16.8**	**13.7**	**9.2**	**24.5**	**16.6 J**	**19.7**	**23.9**	**40.4**
Sulfide		0.05 U	0.05 U	**0.069**	0.05 U	0.05 U	**0.076**	0.05 U	0.05 U	0.05 U
Total suspended solids		**1.6**	**20.7**	**2.9**	**15.4**	**25.7**	**28.5**	**22.8**	**17.6**	**13.8**
Conventional Parameters, Dissolved (mg/L)										
Total dissolved solids		**812**	**1090**	**653**	**1820**	**3900**	**3000**	**2280**	**1860**	**2000**

Table 7-6a
Groundwater and Seep Results: Conventionals and Field Parameters

	Location ID	DSIP2-19_1312	DSIP2-19_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312
	Depth	4.8 – 14.8 ft	4.8 – 14.8 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft
	Sample ID	DSIP2-19-MW-041414	DSIP2-19-MW-070714	DSIP2-20-MW-010714	DSIP2-20-MW-012915	DSIP2-20-MW-041614	DSIP2-20-MW-070714	DSIP2-23-MW-010814	DSIP2-23-MW-012915	DSIP2-23-MW-041614
	Sample Date	4/14/2014	7/7/2014	1/7/2014	1/29/2015	4/16/2014	7/7/2014	1/8/2014	1/29/2015	4/16/2014
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267489.96	1267489.96	1267608.74	1267608.74	1267608.74	1267608.74	1267680.39	1267680.39	1267680.39
	Y	204622.78	204622.78	204585.93	204585.93	204585.93	204585.93	204601.37	204601.37	204601.37
Screening Level										
Field Parameters (deg C)										
Temperature (deg C)		--	--	**11**	--	--	--	**11**	--	--
Turbidity (NTU)		--	--	**0.2**	--	--	--	**0.6**	--	--
pH (su)		--	--	**6.47**	--	--	--	**6.24**	--	--
Reduction oxidation potential (EH) (mV)		--	--	**-65.6**	--	--	--	**-55.8**	--	--
Conductivity (µmhos/cm)		--	--	**8211**	--	--	--	**7678**	--	--
Conventional Parameters (mg/L)										
Alkalinity, bicarbonate as calcium carbonate (CaCO3)		**216**	**228**	**227**	**188**	**213**	**220**	**171**	**170**	**164**
Alkalinity, carbonate as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, hydroxide as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, total as calcium carbonate (CaCO3)		**216**	**228**	**227**	**188**	**213**	**220**	**171**	**170**	**164**
Ammonia		--	--	**2.74**	--	--	--	**7.03**	--	--
Ammonia as nitrogen		**1.38**	**2.17**	--	**3.17**	**2.97**	**3.54**	--	**6.04**	**5.88**
Chloride		--	**946**	**2440**	**2040**	**2360 J**	**2550**	**2460**	**2350**	**2530 J**
Dissolved oxygen (field)		--	--	**0.7**	--	--	--	**0.69**	--	--
Nitrate + nitrite as nitrogen		--	--	--	--	--	--	--	--	--
Nitrate as nitrogen		0.1 U	0.1 U	0.1 U	**0.1**	0.1 U	0.1 U	**0.1**	**0.1**	0.1 U
Nitrite as nitrogen		--	--	--	--	--	--	--	--	--
Sulfate		**56.5**	**8.6**	**17.2**	**12.3**	**13.9 J**	**17.4**	**26.1**	**36.6**	**80.1 J**
Sulfide		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Total suspended solids		**13.2**	**21.1**	**11.6**	**21.2**	**31**	**15.9**	**8.2**	**14**	**22**
Conventional Parameters, Dissolved (mg/L)										
Total dissolved solids		**1840**	**1890**	**4610**	**3930**	**4510**	**5190**	**4290**	**4970**	**4950**

Table 7-6a
Groundwater and Seep Results: Conventionals and Field Parameters

	Location ID	DSIP2-23_1312	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311
	Depth	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft
	Sample ID	DSIP2-23-MW-070714	DSIP2-25-MW-010814	DSIP2-25-MW-012815	DSIP2-25-MW-041714	DSIP2-25-MW-071014	DSIP2-27-MW-010614	DSIP2-27-MW-012815	DSIP2-27-MW-041714	DSIP2-27-MW-071014
	Sample Date	7/7/2014	1/8/2014	1/28/2015	4/17/2014	7/10/2014	1/6/2014	1/28/2015	4/17/2014	7/10/2014
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267680.39	1267844.52	1267844.52	1267844.52	1267844.52	1267800.30	1267800.30	1267800.30	1267800.30
	Y	204601.37	204565.36	204565.36	204565.36	204565.36	204380.32	204380.32	204380.32	204380.32
Screening Level										
Field Parameters (deg C)										
Temperature (deg C)		--	**11.5**	--	--	--	**9.7**	--	--	--
Turbidity (NTU)		--	**31**	--	--	--	**1**	--	--	--
pH (su)		--	**6.37**	--	--	--	**6.56**	--	--	--
Reduction oxidation potential (EH) (mV)		--	**-48.1**	--	--	--	**-118.3**	--	--	--
Conductivity (µmhos/cm)		--	**18407**	--	--	--	**3592**	--	--	--
Conventional Parameters (mg/L)										
Alkalinity, bicarbonate as calcium carbonate (CaCO3)		**162**	**193**	**122**	**112**	**110**	**200**	**238**	**238**	**268**
Alkalinity, carbonate as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, hydroxide as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, total as calcium carbonate (CaCO3)		**162**	**193**	**122**	**112**	**110**	**200**	**238**	**238**	**268**
Ammonia		--	**14.5**	--	--	--	**5.6**	--	--	--
Ammonia as nitrogen		**6.22**	--	**4.19 J**	**3.24**	**12.7**	--	**6.37 J**	**4.79**	**5.69**
Chloride		**2390**	**6360**	**6490**	**4710 J**	**9030**	**981**	**844**	**1760 J**	**746**
Dissolved oxygen (field)		--	**0.87**	--	--	--	**0.21**	--	--	--
Nitrate + nitrite as nitrogen		--	--	--	--	--	--	--	--	--
Nitrate as nitrogen		0.1 U	0.1 U	0.1 U	0.1 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
Nitrite as nitrogen		--	--	--	--	--	--	--	--	--
Sulfate		**28.4**	**109**	0.1 U	**166 J**	**263**	**10.6**	**2.8**	**21.1 J**	**6.3**
Sulfide		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Total suspended solids		**17.1**	**15.5**	**6.2**	**36**	**10.8**	**22.3**	**45.7**	**62.3**	**51.3**
Conventional Parameters, Dissolved (mg/L)										
Total dissolved solids		**4940**	**10600**	**11500**	**8750**	**16200**	**2000**	**1650**	**3180**	**1390**

Table 7-6a
Groundwater and Seep Results: Conventionals and Field Parameters

	Location ID	DSIP2-27_1311	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311
	Depth	5.4 – 15.4 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft
	Sample ID	DSIP2-67-MW-010614	DSIP2-28-MW-010914	DSIP2-28-MW-012915	DSIP2-28-MW-041714	DSIP2-28-MW-070914	DSIP2-78-MW-070914	DSIP2-29-MW-010614	DSIP2-29-MW-012815	DSIP2-29-MW-041614
	Sample Date	1/6/2014	1/9/2014	1/29/2015	4/17/2014	7/9/2014	7/9/2014	1/6/2014	1/28/2015	4/16/2014
	Sample Type	FD	N	N	N	N	FD	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267800.30	1267985.36	1267985.36	1267985.36	1267985.36	1267985.36	1267967.58	1267967.58	1267967.58
	Y	204380.32	204392.42	204392.42	204392.42	204392.42	204392.42	204223.52	204223.52	204223.52
Screening Level										
Field Parameters (deg C)										
Temperature (deg C)		**9.7**	**12.1**	--	--	--	--	**10.3**	--	--
Turbidity (NTU)		**1**	**14**	--	--	--	--	**3.6**	--	--
pH (su)		**6.56**	**6.55**	--	--	--	--	**6.54**	--	--
Reduction oxidation potential (EH) (mV)		**-118.3**	**-105.5**	--	--	--	--	**-52.1**	--	--
Conductivity (µmhos/cm)		**3592**	**4164**	--	--	--	--	**301.6**	--	--
Conventional Parameters (mg/L)										
Alkalinity, bicarbonate as calcium carbonate (CaCO3)		**206**	**291**	**225**	**207**	**228**	**230**	**143**	**194**	**168**
Alkalinity, carbonate as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, hydroxide as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Alkalinity, total as calcium carbonate (CaCO3)		**206**	**291**	**225**	**207**	**228**	**230**	**143**	**194**	**168**
Ammonia		**5.6**	**5.41**	--	--	--	--	**0.782**	--	--
Ammonia as nitrogen		--	--	**7.3**	**6.7**	**6.71**	**6.76**	--	**1.41 J**	**0.865**
Chloride		**1030**	**1030**	**1270**	**1030 J**	**1240**	**1090**	**3.9**	**19.7**	**5.2**
Dissolved oxygen (field)		**0.21**	**0.94**	--	--	--	--	**0.58**	--	--
Nitrate + nitrite as nitrogen		--	--	--	--	--	--	--	--	--
Nitrate as nitrogen		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nitrite as nitrogen		--	--	--	--	--	--	--	--	--
Sulfate		**10.6**	**10.4**	**2**	**11.3 J**	**3.4**	**3.3**	**5**	**6.2**	**13.5 J**
Sulfide		0.05 U	**0.142**	**0.063**	**0.154**	**0.083**	**0.075**	0.05 U	**0.08**	0.05 U
Total suspended solids		**20.3**	**6.5**	**60.8**	**219**	**110**	**86.3**	**5.5**	**7.2**	**19.9**
Conventional Parameters, Dissolved (mg/L)										
Total dissolved solids		**1920**	**1970**	**2520**	**2240**	**2240**	**2220**	**198**	**288**	**236**

Table 7-6a
Groundwater and Seep Results: Conventionals and Field Parameters

		Location ID	DSIP2-29_1311	DSIP2-29_1311	DSI-PZ-01_1401	DSI-PZ-01_1401	DSI-PZ-01_1401	DSI-PZ-01_1401	DSIP2-SP-01	DSIP2-SP-02	DSIP2-SP-02
		Depth	4 – 14.7 ft	4 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	--	--	--
		Sample ID	DSIP2-29-MW-071114	DSIP2-79-MW-012815	DSI-P2-01-070714	DSI-PZ-01-010814	DSI-PZ-01-013015	DSI-PZ-01-041414	DSIP2-SP-01-072213	DSIP2-SP-02-072213	DSIP2-SP-52-072213
		Sample Date	7/11/2014	1/28/2015	7/7/2014	1/8/2014	1/30/2015	4/14/2014	7/22/2013	7/22/2013	7/22/2013
		Sample Type	N	FD	N	N	N	N	N	N	FD
		Matrix	WG	WG	WG	WG	WG	WG	WSP	WSP	WSP
		X	1267967.58	1267967.58	1267724.47	1267724.47	1267724.47	1267724.47	1268019.71	1268017.92	1268017.92
		Y	204223.52	204223.52	204468.59	204468.59	204468.59	204468.59	204592.17	204545.54	204545.54
	Screening Level										
Field Parameters (deg C)											
Temperature (deg C)		--	--	--	**9.7**	--	--	--	--	--	
Turbidity (NTU)		--	--	--	**2**	--	--	--	--	--	
pH (su)		--	--	--	**6.33**	--	--	--	--	--	
Reduction oxidation potential (EH) (mV)		--	--	--	**-53.2**	--	--	--	--	--	
Conductivity (µmhos/cm)		--	--	--	**4915**	--	--	--	--	--	
Conventional Parameters (mg/L)											
Alkalinity, bicarbonate as calcium carbonate (CaCO3)		**130**	**192**	**144**	**97.4**	**214**	**115**	--	--	--	
Alkalinity, carbonate as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	
Alkalinity, hydroxide as calcium carbonate (CaCO3)		1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	
Alkalinity, total as calcium carbonate (CaCO3)		**130**	**192**	**144**	**97.4**	**214**	**115**	--	--	--	
Ammonia		--	--	--	**7.43**	--	--	--	--	--	
Ammonia as nitrogen		**0.879**	**1.36 J**	**9.07**	--	**7.72**	**7.97**	--	--	--	
Chloride		**4.5**	**19.4**	**1930**	**1440**	**1690**	--	--	--	--	
Dissolved oxygen (field)		--	--	--	**0.92**	--	--	--	--	--	
Nitrate + nitrite as nitrogen		--	--	--	--	--	--	--	--	--	
Nitrate as nitrogen		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	
Nitrite as nitrogen		--	--	--	--	--	--	--	--	--	
Sulfate		**2.9**	**6**	**3.7**	**42.7**	**10.6**	**11.5**	--	--	--	
Sulfide		0.05 U	0.05 U	0.05 U	**0.08**	**0.066**	0.05 U	--	--	--	
Total suspended solids		**12.7**	**7.9**	**37.3**	**13.7**	**35**	**67**	**33.4**	**36.5**	**35.1**	
Conventional Parameters, Dissolved (mg/L)											
Total dissolved solids		**177**	**290**	**3900**	**2620**	**3480**	**3400**	**16000**	**7110**	**6900**	

Table 7-6a
Groundwater and Seep Results: Conventionals and Field Parameters

Notes
Detected concentration is greater than the groundwater screening level
Bold = Detected result
-- = not analyzed
µmhos/cm = micromhos per centimeter
deg C = degrees Celsius
EH = oxidation potential
FD = field duplicate
ft = foot
J = estimated value
mg/L = milligrams per liter
mV = millivolt
N = normal sample
NTU = Nephelometric Turbidity Unit
su = standard unit
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit
WG = groundwater
WSP = groundwater seep

Table 7-6b
Groundwater and Seep Results: Metals and TBT

	Location ID	MW-4	MW-5	DSI-01	DSI-02	DSI-03	DSI-04	DSI-05	DSI-06	DSI-07	DSI-07	DSI-08	DSI-09	DSI-10	DSI-11
	Depth	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Sample ID	MW-4-GW-060929	MW-5-GW-060929	DSI01-GW	DSI02-GW	DSI03-GW	DSI04-GW	DSI05-GW	DSI06-GW	DSI07-GW	DSI57-GW	DSI08-GW	DSI09-GW	DSI10-GW	DSI11-GW
	Sample Date	9/29/2006	9/29/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267474.81	1267494.81	1267483.65	1267482.28	1267538.20	1267677.30	1267664.49	1267832.57	1267843.29	1267843.29	1267815.08	1267972.09	1267928.64	1267970.43
	Y	204675.26	204585.26	204362.38	204484.72	204614.54	204577.53	204414.79	204403.48	204440.17	204440.17	204599.08	204599.10	204456.02	204358.81
	Screening Level														
Metals (µg/L)															
Antimony	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	5	**1**	**4.9**	**84.4**	**16.4**	**9.5**	**11.2**	**2**	**2.3**	**9.5**	**7.2**	**11.8**	**2.6**	**2.4**	**6.7**
Barium		--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium		--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	7.9	0.2 U	0.2 U	**0.3**	**0.3**	**0.2**	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	**0.3**	**1.6**
Chromium	260	1 U	**54**	**7**	**49**	**38**	**29**	**6**	2 U	**21**	**14**	**37**	5 U	**5**	**34**
Chromium VI	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	2.4	0.5 U	**29**	**18.5**	**86.7**	**53**	**55.6**	**15.2**	**7.5**	**39.1**	**24**	**70.4**	**34.4**	**26.1**	**49.2**
Lead	8.1	1 U	**2**	**3**	**11**	**8**	**13**	**6**	**2**	**6**	**5**	**12**	**55**	**14**	**10**
Mercury	0.1	0.1 U	0.1 U	0.1 U	**0.1**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.12**	0.1 U	0.1 U	0.1 U
Nickel	8.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	71	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	1.9	0.2 U	**0.8**	0.2 UJ	**0.3**	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	**0.2**	0.2 U	0.2 U
Thallium		--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	81	**4**	**14**	**33**	**137**	**147**	**92**	**25**	**9**	**61**	**42**	**103**	**98**	**19**	**154**
Metals, Dissolved (µg/L)															
Antimony	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	5	**1**	**3.4**	**68.4**	**2.4**	**1.5**	**2.2**	**0.6**	**1.8**	**3.8**	**4.2**	**1.4**	**1.6**	**0.8**	**0.8**
Barium		--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium		--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	7.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chromium	260	1 U	**42**	0.5 UJ	0.5 U	2 U	2 U	2 U	0.5 U	2 U	2 U	2 U	2 U	2 U	2 U
Chromium VI	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	2.4	0.5 U	**14.3**	0.5 U	0.5 U	**0.8**	**0.7**	0.5 U	0.5 U	**0.6**	**1.1**	**0.7**	**0.9**	0.5 U	0.5 U
Lead	8.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	71	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	1.9	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Thallium		--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	81	**4**	**8**	**5**	4 U	**13**	4 U	**7**	**5**	**6**	**7**	4 U	**44**	**7**	**8**
Organometallic Compounds (µg/L)															
Tributyltin (ion)	0.193	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 7-6b
Groundwater and Seep Results: Metals and TBT

	Location ID	DSI-12	DSI-GP-01	DSI-GP-02	DSI-GP-03	DSI-GP-19	DSI-GP-19	DSI-GP-20	DSI-GP-21	DSI-MW-01	DSI-MW-02	DSI-MW-02
	Depth	--	6.5 – 6.5 ft	6.5 – 6.5 ft	7 – 7 ft	7.5 – 7.5 ft	7.5 – 7.5 ft	7.5 – 7.5 ft	7.5 – 7.5 ft	4.6 – 14.5 ft	5.1 – 15 ft	5.1 – 15 ft
	Sample ID	DSI12-GW	DSI-GP-01-GW	DSI-GP-02-GW	DSI-GP-03-GW	DSI-GP-19-GW	DSI-GP-69-GW	DSI-GP-20-GW	DSI-GP-21-GW	DSI-MW-01-072209	DSI-MW-02-010714	DSI-MW-02-012915
	Sample Date	9/28/2006	7/15/2009	7/15/2009	7/15/2009	7/16/2009	7/16/2009	7/15/2009	7/16/2009	7/22/2009	1/7/2014	1/29/2015
	Sample Type	N	N	N	N	N	FD	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267970.42	1267444.94	1267499.15	1267485.17	1267668.90	1267668.90	1267785.57	1267891.80	1267511.08	1267537.85	1267537.85
	Y	204269.04	204366.80	204352.94	204444.55	204346.90	204346.90	204370.10	204378.83	204376.69	204619.49	204619.49
Screening Level												
Metals (µg/L)												
Antimony	90	--	--	--	--	--	--	--	--	--	**0.2**	**1.6**
Arsenic	5	**32.5**	--	--	--	--	--	--	--	--	**0.5**	**1**
Barium		--	--	--	--	--	--	--	--	--	**45.1**	**35**
Beryllium		--	--	--	--	--	--	--	--	--	0.2 U	0.5 U
Cadmium	7.9	**0.3**	--	--	--	--	--	--	--	--	0.1 U	**2.3**
Chromium	260	**20**	--	--	--	--	--	--	--	--	1 U	0.5 U
Chromium VI	50	--	--	--	--	--	--	--	--	--	--	**-- R**
Copper	2.4	**126**	--	--	--	--	--	--	--	--	**4.4**	**7.1**
Lead	8.1	**27**	--	--	--	--	--	--	--	--	0.1 U	0.2 U
Mercury	0.1	**0.12**	--	--	--	--	--	--	--	--	0.1 U	0.1 U
Nickel	8.2	--	--	--	--	--	--	--	--	--	**12.1**	**7.9**
Selenium	71	--	--	--	--	--	--	--	--	--	0.5 U	**0.6**
Silver	1.9	**0.2**	--	--	--	--	--	--	--	--	0.2 U	0.5 U
Thallium		--	--	--	--	--	--	--	--	--	0.2 U	0.5 U
Zinc	81	**109**	--	--	--	--	--	--	--	--	**102**	**60**
Metals, Dissolved (µg/L)												
Antimony	90	--	--	--	--	--	--	--	--	**0.8**	**0.2**	**1.6**
Arsenic	5	**5**	**388**	**25.5**	**3.4**	**1**	**1.1**	**0.8**	0.5 U	**48.4**	**0.8**	**0.9**
Barium		--	--	--	--	--	--	--	--	--	**42.3**	**34**
Beryllium		--	--	--	--	--	--	--	--	--	0.2 U	0.5 U
Cadmium	7.9	0.2 U	--	--	--	--	--	--	--	0.2 U	0.1 U	**2.2**
Chromium	260	0.5 U	--	--	--	--	--	--	--	1 U	1 U	0.5 U
Chromium VI	50	--	--	--	--	--	--	--	--	--	**-- R**	--
Copper	2.4	0.5 U	--	--	--	--	--	--	--	**1**	**4.9**	**6.7**
Lead	8.1	1 U	--	--	--	--	--	--	--	1 U	0.1 U	0.2 U
Mercury	0.1	0.1 U	--	--	--	--	--	--	--	0.02 U	0.1 U	0.1 U
Nickel	8.2	--	--	--	--	--	--	--	--	**5.7**	**12.4**	**8.3**
Selenium	71	--	--	--	--	--	--	--	--	0.5 U	1 U	0.5 U
Silver	1.9	0.2 U	--	--	--	--	--	--	--	0.2 U	0.2 U	0.5 U
Thallium		--	--	--	--	--	--	--	--	--	0.2 U	0.5 U
Zinc	81	4 U	--	--	--	--	--	--	--	4 U	**101**	**61**
Organometallic Compounds (µg/L)												
Tributyltin (ion)	0.193	--	--	--	--	--	--	--	--	--	0.19 U	0.19 U

Table 7-6b
Groundwater and Seep Results: Metals and TBT

	Location ID	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-03	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-05
	Depth	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	29.85 – 39.75 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	5.5 – 15.2 ft
	Sample ID	DSI-MW-02-041814	DSI-MW-02-070714	DSI-MW-02-072209	DSI-MW-03-072909	DSI-MW-04-011014	DSI-MW-04-012915	DSI-MW-04-041514	DSI-MW-04-070914	DSI-MW-04-072309	DSI-MW-05-010814
	Sample Date	4/18/2014	7/7/2014	7/22/2009	7/29/2009	1/10/2014	1/29/2015	4/15/2014	7/9/2014	7/23/2009	1/8/2014
	Sample Type	N	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267537.85	1267537.85	1267537.85	1267731.36	1267894.98	1267894.98	1267894.98	1267894.98	1267894.98	1267969.75
	Y	204619.49	204619.49	204619.49	204467.03	204416.16	204416.16	204416.16	204416.16	204416.16	204575.21
	Screening Level										
Metals (µg/L)											
Antimony	90	**1**	0.5 U	--	--	1 U	0.2 U	0.5 U	0.5 U	--	1 U
Arsenic	5	**1**	**1.4**	--	--	**2**	**3**	**4.2**	**3**	--	**2**
Barium		**44**	**54**	--	--	**40**	**14.7**	**39 J**	**34**	--	**310**
Beryllium		0.5 U	0.5 U	--	--	1 U	0.2 U	0.5 U	0.5 U	--	0.2 UJ
Cadmium	7.9	**2.6**	**1.8**	--	--	0.5 U	0.1 U	0.2 U	0.2 U	--	**1.7**
Chromium	260	1 U	1 U	--	--	2 U	**1**	1 U	1 U	--	2 U
Chromium VI	50	**-- R**	**-- R**	--	--	--	**-- R**	--	**-- R**	--	--
Copper	2.4	**8**	**10**	--	**2.09**	2 U	**1.8**	1 U	1 U	--	**3**
Lead	8.1	0.2 U	0.2 U	--	--	0.5 U	**0.2**	0.2 U	0.2 U	--	0.5 U
Mercury	0.1	0.1 U	0.1 U	--	--	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U
Nickel	8.2	**15**	**16**	--	2.02 UJ	**5**	0.5 U	**5**	**5**	--	**38**
Selenium	71	1 U	**3**	--	--	**4**	**0.7**	**2**	5 U	--	2 U
Silver	1.9	0.5 U	0.5 U	--	--	1 U	0.2 U	0.5 U	0.5 U	--	1 U
Thallium		0.5 U	0.5 U	--	--	1 U	0.2 U	0.5 U	0.5 U	--	1 U
Zinc	81	**100**	**100**	--	--	20 U	4 U	10 U	10 U	--	**940**
Metals, Dissolved (µg/L)											
Antimony	90	**1**	0.5 U	0.2 U	2 U	1 U	0.2 U	0.5 U	0.5 U	0.2 U	1 U
Arsenic	5	**1**	**1**	**0.5**	**7**	**2**	**2.6**	**4.3**	**3.6**	**2.4**	**2**
Barium		**42**	**50**	--	--	**42**	**13.7**	**41**	**34**	--	**307**
Beryllium		1 U	0.5 U	--	--	1 U	0.2 U	0.5 U	0.5 U	--	0.2 U
Cadmium	7.9	**2.6**	**1.8**	0.2 U	2 U	0.5 U	0.1 U	0.2 U	0.2 U	0.2 U	**2.3**
Chromium	260	2 U	1 U	2 U	5 U	2 U	**0.8**	1 U	1 U	2 U	2 U
Chromium VI	50	--	--	--	--	**-- R**	--	--	--	--	**-- R**
Copper	2.4	**8**	**7**	**0.9**	**10**	2 U	0.5 U	1 U	1 U	**0.8**	**3**
Lead	8.1	0.5 U	0.2 U	1 U	10 U	0.5 U	0.1 U	0.2 U	0.2 U	1 U	0.5 U
Mercury	0.1	0.1 U	0.1 U	0.02 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.02 U	0.1 U
Nickel	8.2	**15**	**18**	**4**	**18**	**5**	0.5 U	**5**	**5**	**1.6**	**36**
Selenium	71	2 U	**2**	**0.8**	**12**	**4**	0.5 U	**2**	5 U	2 U	2 U
Silver	1.9	1 U	0.5 U	0.2 U	2 U	1 U	0.2 U	0.5 U	0.5 U	0.2 U	1 U
Thallium		1 U	0.5 U	--	--	1 U	0.2 U	0.5 U	0.5 U	--	1 U
Zinc	81	**100**	**110**	**15**	40 U	20 U	4 U	10 U	10 U	4 U	**930**
Organometallic Compounds (µg/L)											
Tributyltin (ion)	0.193	0.19 U	0.19 U	--	--	0.19 U	0.19 U	0.19 U	0.19 U	--	0.19 U

Table 7-6b
Groundwater and Seep Results: Metals and TBT

	Location ID	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-06
	Depth	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft
	Sample ID	DSI-MW-05-012815	DSI-MW-05-041514	DSI-MW-05-071014	DSI-MW-05-072909	DSI-MW-55-072909	DSI-MW-06-010714	DSI-MW-06-012915	DSI-MW-06-041414	DSI-MW-06-070814	DSI-MW-06-072909
	Sample Date	1/28/2015	4/15/2014	7/10/2014	7/29/2009	7/29/2009	1/7/2014	1/29/2015	4/14/2014	7/8/2014	7/29/2009
	Sample Type	N	N	N	N	FD	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267969.75	1267969.75	1267969.75	1267969.75	1267969.75	1267953.29	1267953.29	1267953.29	1267953.29	1267953.29
	Y	204575.21	204575.21	204575.21	204575.21	204575.21	204456.31	204456.31	204456.31	204456.31	204456.31
	Screening Level										
Metals (µg/L)											
Antimony	90	1 U	1 U	0.5 U	--	--	0.2 U	0.5 U	0.5 U	0.5 U	--
Arsenic	5	**4**	**3**	**5 J**	--	--	0.5 U	0.5 U	1 U	1 U	--
Barium		**223**	**185 J**	**266 J**	--	--	**47.4**	**60**	**54**	**61**	--
Beryllium		1 U	1 U	0.5 U	--	--	0.2 U	0.5 U	0.5 U	0.5 U	--
Cadmium	7.9	**1.8**	**1**	**1.8**	--	--	0.1 U	0.2 U	0.2 U	0.2 U	--
Chromium	260	2 U	2 U	1 U	--	--	1 U	1 U	1 UJ	1 U	--
Chromium VI	50	**-- R**	--	**-- R**	--	--	--	**-- R**	**-- R**	**-- R**	--
Copper	2.4	**3**	**2 J**	**2**	--	--	**0.9**	1 U	1 U	1 U	--
Lead	8.1	0.5 U	0.5 U	0.2 U	--	--	0.1 U	0.2 U	0.2 U	0.2 U	--
Mercury	0.1	0.1 U	0.1 U	0.1 U	--	--	0.1 U	0.1 U	0.1 U	0.1 U	--
Nickel	8.2	**15**	**26**	**42**	--	--	**4.9**	1 U	**6**	**9**	--
Selenium	71	2 U	2 U	2 U	--	--	2 U	1 U	5 UJ	5 U	--
Silver	1.9	1 U	1 U	0.5 U	--	--	0.2 U	0.5 U	0.5 U	0.5 U	--
Thallium		1 U	1 U	0.5 U	--	--	0.2 U	0.5 U	0.5 U	0.5 U	--
Zinc	81	**270**	**290**	**330**	--	--	**10**	**10**	10 U	10 U	--
Metals, Dissolved (µg/L)											
Antimony	90	1 U	1 U	0.5 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.2 U
Arsenic	5	**3**	**3**	**5**	**0.5**	**0.4**	0.5 U	0.5 U	1 U	**1**	**1.1**
Barium		**224**	**183**	**264**	--	--	**45.5**	**59**	**53**	**60**	--
Beryllium		1 U	1 U	1 U	--	--	0.2 U	0.5 U	0.5 U	0.5 U	--
Cadmium	7.9	**2**	**1**	**1.7**	0.2 U	0.2 U	0.1 U	0.2 U	0.2 U	0.2 U	0.2 U
Chromium	260	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 UJ	2 U	2 U
Chromium VI	50	--	--	--	--	--	**-- R**	--	--	--	--
Copper	2.4	2 U	2 U	2 U	**1.2**	**0.9**	**0.9**	1 U	1 U	1 U	**0.8**
Lead	8.1	0.5 U	0.5 U	0.5 U	1 U	1 U	0.1 U	0.2 U	0.2 U	0.5 U	1 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.02 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.02 U
Nickel	8.2	**16**	**28**	**42**	**5.2**	**5**	**6.7**	1 U	**6**	**6**	**1.8**
Selenium	71	2 U	2 U	2 U	**0.5**	0.5 U	2 U	1 U	5 UJ	**5**	**0.9**
Silver	1.9	1 U	1 U	0.5 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.2 U
Thallium		1 U	1 U	1 U	--	--	0.2 U	0.5 U	0.5 U	0.5 U	--
Zinc	81	**270**	**290**	**400**	**64**	**61**	**8**	10 U	10 U	10 U	4 U
Organometallic Compounds (µg/L)											
Tributyltin (ion)	0.193	0.19 UJ	0.19 U	0.19 U	--	--	0.19 U	0.19 U	0.19 U	0.19 U	--

Table 7-6b
Groundwater and Seep Results: Metals and TBT

	Location ID	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08
	Depth	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft
	Sample ID	DSI-MW-07-010614	DSI-MW-07-012915	DSI-MW-07-041514	DSI-MW-07-070814	DSI-MW-07-072409	DSI-MW-08-010914	DSI-MW-08-012915	DSI-MW-08-041714	DSI-MW-08-070814	DSI-MW-08-072809
	Sample Date	1/6/2014	1/29/2015	4/15/2014	7/8/2014	7/24/2009	1/9/2014	1/29/2015	4/17/2014	7/8/2014	7/28/2009
	Sample Type	N	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267953.32	1267953.32	1267953.32	1267953.32	1267953.32	1267967.62	1267967.62	1267967.62	1267967.62	1267967.62
	Y	204463.39	204463.39	204463.39	204463.39	204463.39	204366.34	204366.34	204366.34	204366.34	204366.34
	Screening Level										
Metals (µg/L)											
Antimony	90	2 U	2 U	5 U	5 U	--	0.5 U	0.5 U	0.5 U	0.5 U	--
Arsenic	5	5 U	2 U	**23**	10 U	--	**1.8**	**2.6**	**1.8**	**2**	--
Barium		**268**	**302**	**310 J**	**430**	--	**32**	**43**	**28**	**36**	--
Beryllium		10 U	2 U	5 U	2 U	--	0.5 U	0.5 U	0.5 U	0.5 U	--
Cadmium	7.9	1 U	1 U	2 U	2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	--
Chromium	260	5 U	5 U	**10**	10 U	--	1 U	0.5 U	1 U	1 U	--
Chromium VI	50	--	**-- R**	--	**-- R**	--	--	**15 J**	**14**	**-- R**	--
Copper	2.4	**8**	**6**	10 U	**8**	**2.72**	1 U	1 U	1 U	1 U	--
Lead	8.1	1 U	**2**	2 U	2 U	--	0.2 U	**1.1**	0.2 U	0.2 U	--
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	--
Nickel	8.2	**12**	5 U	10 U	**12**	2.02 UJ	**4**	1 U	**4**	**3**	--
Selenium	71	20 U	5 U	**80**	50 U	--	**5**	1 U	**3**	**3**	--
Silver	1.9	2 U	2 U	5 U	5 U	--	0.5 U	0.5 U	0.5 U	0.5 U	--
Thallium		2 U	2 U	5 U	5 U	--	0.5 U	0.5 U	0.5 U	0.5 U	--
Zinc	81	40 U	40 U	100 U	40 U	--	**20**	10 U	10 U	10 U	--
Metals, Dissolved (µg/L)											
Antimony	90	2 U	2 U	5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U
Arsenic	5	5 U	2 U	10 U	10 U	2 U	1 U	**2.5**	**2**	**2**	**2**
Barium		**254**	**304**	**310**	**440**	--	**30**	**41**	**28 J**	**36**	--
Beryllium		5 U	2 U	5 U	2 U	--	0.5 U	0.5 U	0.5 U	0.5 U	--
Cadmium	7.9	1 U	1 U	2 U	2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chromium	260	5 U	5 U	**10**	10 U	2 U	1 U	0.5 U	1 U	1 U	2 U
Chromium VI	50	**-- R**	--	--	--	--	**17**	--	--	--	--
Copper	2.4	**7**	5 U	10 U	**6**	**13 J**	1 U	0.5 U	1 U	1 U	**0.8**
Lead	8.1	1 U	**1**	2 U	2 U	5 U	0.2 U	0.2 U	0.2 U	0.5 U	1 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.02 U
Nickel	8.2	**15**	5 U	**10**	**13**	**16**	**3**	0.5 U	**4**	**4**	**1.2**
Selenium	71	20 U	**5**	50 U	50 U	10 U	5 U	**0.6**	**3**	**3**	**0.7**
Silver	1.9	2 U	2 U	5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U
Thallium		2 U	2 U	5 U	5 U	--	0.5 U	0.5 U	0.5 U	0.5 U	--
Zinc	81	40 U	40 U	100 U	40 U	20 U	10 U	4 U	10 U	10 U	4 U
Organometallic Compounds (µg/L)											
Tributyltin (ion)	0.193	0.19 U	0.19 U	0.19 U	0.19 U	--	0.19 U	0.19 U	0.19 U	0.19 U	--

Table 7-6b
Groundwater and Seep Results: Metals and TBT

Location ID		DSI-MW-08	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSI-MW-10
Depth		5.4 – 15.1 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft
Sample ID		DSI-MW-58-070814	DSI-MW-09-010914	DSI-MW-09-012915	DSI-MW-09-04142014	DSI-MW-09-070914	DSI-MW-09-072809	DSI-MW-10-010914	DSI-MW-10-012915	DSI-MW-10-041614	DSI-MW-10-071114
Sample Date		7/8/2014	1/9/2014	1/29/2015	4/14/2014	7/9/2014	7/28/2009	1/9/2014	1/29/2015	4/16/2014	7/11/2014
Sample Type		FD	N	N	N	N	N	N	N	N	N
Matrix		WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X		1267967.62	1267963.77	1267963.77	1267963.77	1267963.77	1267963.77	1267964.60	1267964.60	1267964.60	1267964.60
Y		204366.34	204267.40	204267.40	204267.40	204267.40	204267.40	204275.46	204275.46	204275.46	204275.46
	Screening Level										
Metals (µg/L)											
Antimony	90	0.5 U	**0.2**	0.2 U	**0.2 J**	**3.3**	--	2 U	2 U	5 U	2 U
Arsenic	5	1 U	**1.1**	**1.3**	**1.4**	**4.7**	--	5 U	2 U	5 U	**10**
Barium		**36**	**2.3**	**8.5**	**2.6**	**3**	--	**226**	**262**	**230**	**241**
Beryllium		0.5 U	0.2 U	0.2 U	0.2 U	0.5 U	--	2 U	2 U	5 U	2 U
Cadmium	7.9	0.2 U	0.1 U	**0.1**	0.1 U	0.2 U	--	1 U	1 U	2 U	1 U
Chromium	260	2 U	0.5 U	0.5 U	0.5 UJ	1 U	--	5 U	5 U	10 U	5 U
Chromium VI	50	**-- R**	--	**-- R**	**-- R**	**-- R**	--	--	**-- R**	**89 J**	**-- R**
Copper	2.4	1 U	**0.5**	**1.4**	0.5 U	1 U	--	**7**	**6**	10 U	**6**
Lead	8.1	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	--	1 U	**2**	2 U	1 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	**5**	**0.9**	**1.9**	**0.9**	1 U	--	**9**	5 U	10 U	**10**
Selenium	71	5 U	0.5 U	0.5 U	0.5 U	1 U	--	20 U	**6**	10 U	**32**
Silver	1.9	0.5 U	0.2 U	0.2 U	0.2 U	0.5 U	--	2 U	2 U	5 U	2 U
Thallium		0.5 U	0.2 U	0.2 U	0.2 U	0.5 U	--	2 U	2 U	5 U	2 U
Zinc	81	10 U	4 U	**6**	4 U	10 U	--	40 U	40 U	100 U	40 U
Metals, Dissolved (µg/L)											
Antimony	90	0.5 U	0.2 U	0.2 U	**0.2**	**3.4**	0.2 U	2 U	2 U	5 U	2 U
Arsenic	5	**2**	**1.1**	**1.2**	**1.4**	**4.9**	**1.1**	5 U	2 U	5 U	**8**
Barium		**35**	**2.3**	**8.8**	**2.7**	**4**	--	**220**	**256**	**240**	**249**
Beryllium		0.5 U	0.2 U	0.2 U	0.2 U	0.5 U	--	2 U	2 U	5 U	2 U
Cadmium	7.9	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.2 U	1 U	1 U	2 U	1 U
Chromium	260	1 U	1 U	0.5 U	0.5 UJ	1 U	1 U	5 U	5 U	10 U	5 U
Chromium VI	50	--	10 U	--	--	--	--	10 U	--	--	--
Copper	2.4	1 U	**0.8**	0.5 U	0.5 U	1 U	**1.2**	**7**	5 U	10 U	**7**
Lead	8.1	0.5 U	0.1 U	0.1 U	0.1 U	0.2 U	1 U	1 U	1 U	2 U	1 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	**5**	**1**	**2**	**1**	**1**	**0.9**	**8**	5 U	10 U	**10**
Selenium	71	**4**	0.5 U	0.5 U	0.5 U	1 U	2 U	**20**	5 U	10 U	**22**
Silver	1.9	0.5 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	2 U	2 U	5 U	2 U
Thallium		0.5 U	0.2 U	0.2 U	0.2 U	0.5 U	--	2 U	2 U	5 U	2 U
Zinc	81	10 U	4 U	**6**	4 U	10 U	4 U	40 U	40 U	100 U	40 U
Organometallic Compounds (µg/L)											
Tributyltin (ion)	0.193	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	--	0.19 U	0.19 U	0.19 U	0.19 U

Table 7-6b
Groundwater and Seep Results: Metals and TBT

Location ID		DSI-MW-10	DSI-MW-10	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311
Depth		30.9 – 40.7 ft	30.9 – 40.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft
Sample ID		DSI-MW-10-072809	DSI-MW-60-041614	DSIP2-02-MW-010714	DSIP2-02-MW-012815	DSIP2-02-MW-041614	DSIP2-02-MW-070914	DSIP2-06-MW-010814	DSIP2-06-MW-012815	DSIP2-06-MW-041414
Sample Date		7/28/2009	4/16/2014	1/7/2014	1/28/2015	4/16/2014	7/9/2014	1/8/2014	1/28/2015	4/14/2014
Sample Type		N	FD	N	N	N	N	N	N	N
Matrix		WG	WG	WG	WG	WG	WG	WG	WG	WG
X		1267964.60	1267964.60	1267562.38	1267562.38	1267562.38	1267562.38	1267821.70	1267821.70	1267821.70
Y		204275.46	204275.46	204456.85	204456.85	204456.85	204456.85	204456.60	204456.60	204456.60
	Screening Level									
Metals (µg/L)										
Antimony	90	--	5 U	**0.4**	**0.6**	**0.6**	**0.6**	2 U	0.5 U	0.5 U
Arsenic	5	--	5 U	**15.7**	**61.6**	**24.6**	**34.9**	1 U	**1**	**2**
Barium		--	**240**	**25.4**	**39**	**24**	**37**	**37**	**66**	**32**
Beryllium		--	5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.2 UJ	1 U	0.5 U
Cadmium	7.9	--	2 U	0.1 U	0.2 U	0.2 U	0.2 U	1 U	0.5 U	0.2 U
Chromium	260	--	10 U	**0.6**	1 U	1 U	1 U	2 U	1 U	1 UJ
Chromium VI	50	--	**95 J**	--	--	--	--	--	--	--
Copper	2.4	**3.11**	10 U	0.5 U	1 U	1 U	1 U	2 U	2 U	**4**
Lead	8.1	--	2 U	0.1 U	0.2 U	0.2 U	0.2 U	1 U	0.5 U	**1.6**
Mercury	0.1	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	2.02 UJ	10 U	**3**	1 U	**4**	**5**	**3**	2 U	**4**
Selenium	71	--	10 U	**0.8**	1 U	1 U	1 U	2 U	2 U	1 U
Silver	1.9	--	5 U	0.2 U	0.5 U	0.5 U	0.5 U	2 U	1 U	0.5 U
Thallium		--	5 U	0.2 U	0.5 U	0.5 U	0.5 U	2 U	1 U	0.5 U
Zinc	81	--	100 U	**5**	10 U	10 U	10 U	20 U	20 U	10 U
Metals, Dissolved (µg/L)										
Antimony	90	2 U	5 U	**0.4**	**0.6**	**0.6**	**0.6**	0.5 U	0.5 U	0.5 U
Arsenic	5	**3**	5 U	**15.8**	**64**	**25.4**	**35.8**	**1.2**	**1**	**1.8**
Barium		--	**250**	**25.4**	**40**	**25**	**37**	**37**	**69**	**30**
Beryllium		--	5 U	0.2 U	0.5 U	0.5 U	1 U	0.2 U	1 U	0.5 U
Cadmium	7.9	2 U	2 U	0.1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U
Chromium	260	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Chromium VI	50	--	--	--	--	--	--	--	--	--
Copper	2.4	**19**	10 U	0.5 U	1 U	1 U	1 U	1 U	2 U	1 U
Lead	8.1	10 U	2 U	0.1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U
Mercury	0.1	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	**13**	10 U	**3.4**	1 U	**5**	**4**	**2**	2 U	**3**
Selenium	71	**6**	10 U	0.5 U	1 U	**1**	1 U	1 U	2 U	1 U
Silver	1.9	2 U	5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Thallium		--	5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Zinc	81	40 U	100 U	4 U	10 U	10 U	10 U	10 U	20 U	10 U
Organometallic Compounds (µg/L)										
Tributyltin (ion)	0.193	--	0.19 U	0.19 U	0.19 UJ	0.19 U	0.19 U	0.19 U	0.19 UJ	0.19 U

Table 7-6b
Groundwater and Seep Results: Metals and TBT

	Location ID	DSIP2-06_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311
	Depth	5 – 15 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	5.3 – 15.3 ft	5.3 – 15.3 ft	5.3 – 15.3 ft
	Sample ID	DSIP2-06-MW-070814	DSIP2-08-MW-010814	DSIP2-08-MW-012815	DSIP2-08-MW-041614	DSIP2-08-MW-071014	DSIP2-58-MW-010814	DSIP2-13-MW-010614	DSIP2-13-MW-012815	DSIP2-13-MW-041514
	Sample Date	7/8/2014	1/8/2014	1/28/2015	4/16/2014	7/10/2014	1/8/2014	1/6/2014	1/28/2015	4/15/2014
	Sample Type	N	N	N	N	N	FD	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267821.70	1267991.80	1267991.80	1267991.80	1267991.80	1267991.80	1267446.25	1267446.25	1267446.25
	Y	204456.60	204592.40	204592.40	204592.40	204592.40	204592.40	204365.45	204365.45	204365.45
	Screening Level									
Metals (µg/L)										
Antimony	90	**0.8**	**0.8**	0.5 U	0.5 U	0.5 U	**0.7**	**15.3**	**9.7**	**13.8**
Arsenic	5	**2**	2 U	**1.2**	**3.5**	**3 J**	**4**	**2180**	**1090**	**981**
Barium		**34**	**107**	**101**	**86**	**102 J**	**107**	**4**	**26**	**8 J**
Beryllium		0.5 U	0.2 UJ	0.5 U	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U
Cadmium	7.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.2 U	0.2 U
Chromium	260	1 U	**25**	**23**	**23**	**21**	**25**	2 U	**2.4**	1 U
Chromium VI	50	--	--	**-- R**	**42 J**	**-- R**	--	--	--	--
Copper	2.4	1 U	**12**	**3**	**6**	**3**	**12**	**3.6**	**9**	1 U
Lead	8.1	**0.5**	**13.3**	**1.2**	**3.6**	**2.1**	**13.5**	**0.2**	**0.5**	0.2 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.1**	0.1 U
Nickel	8.2	**3**	**2**	1 U	**2**	**2**	**3**	**13.2**	**54**	**88**
Selenium	71	5 U	10 U	**2**	**7**	**7**	10 U	0.5 U	1 U	1 U
Silver	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.5 U	0.5 U
Thallium		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.5 U	0.5 U
Zinc	81	10 U	**30**	10 U	10 U	10 U	**20**	4 U	10 U	10 U
Metals, Dissolved (µg/L)										
Antimony	90	**1**	0.5 U	0.5 U	0.5 U	0.5 U	1 U	**12.5**	**3.5**	**8.4**
Arsenic	5	**3**	2 U	**0.8**	**2.9**	**2.4**	**4**	**2230**	**1100**	**1030**
Barium		**34**	**103**	**99**	**89**	**95**	**102**	**3.6**	**26**	**9**
Beryllium		0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.2 U	0.5 U	0.5 U	0.5 U
Cadmium	7.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.1 U	0.2 U	0.2 U
Chromium	260	1 U	**21**	**21**	**21**	**17**	**21**	**2**	**2**	1 U
Chromium VI	50	--	**-- R**	--	--	--	**-- R**	--	--	--
Copper	2.4	1 U	**2**	1 U	**2**	1 U	**3**	**0.6**	**2**	1 U
Lead	8.1	0.5 U	**2.5**	0.2 U	**0.6**	0.2 U	**3.2**	0.1 U	0.2 U	0.2 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	**3**	**2**	1 U	**2**	**2**	**2**	**11.9**	**54**	**92**
Selenium	71	2 U	10 U	1 U	**7**	**6**	**7**	0.5 U	1 U	1 U
Silver	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.2 U	0.5 U	0.5 U
Thallium		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.5 U	0.5 U
Zinc	81	10 U	**10**	10 U	10 U	10 U	**10**	4 U	10 U	10 U
Organometallic Compounds (µg/L)										
Tributyltin (ion)	0.193	0.19 U	0.19 U	0.19 UJ	0.19 U	0.19 UJ	0.19 U	0.19 U	0.19 UJ	0.19 U

Table 7-6b
Groundwater and Seep Results: Metals and TBT

	Location ID	DSIP2-13_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311
	Depth	5.3 – 15.3 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft
	Sample ID	DSIP2-13-MW-070814	DSIP2-15-MW-010614	DSIP2-15-MW-012815	DSIP2-15-MW-041514	DSIP2-15-MW-070914	DSIP2-16-MW-010614	DSIP2-16-MW-013015	DSIP2-16-MW-041514	DSIP2-16-MW-070814
	Sample Date	7/8/2014	1/6/2014	1/28/2015	4/15/2014	7/9/2014	1/6/2014	1/30/2015	4/15/2014	7/8/2014
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267446.25	1267509.17	1267509.17	1267509.17	1267509.17	1267562.84	1267562.84	1267562.84	1267562.84
	Y	204365.45	204385.33	204385.33	204385.33	204385.33	204360.20	204360.20	204360.20	204360.20
	Screening Level									
Metals (µg/L)										
Antimony	90	**2.8**	0.2 U	0.2 U	0.5 U	0.5 U	**0.6**	0.2 U	0.2 U	0.2 U
Arsenic	5	**1040**	**4**	**4.1**	**2**	**1**	**8.4**	**4.6**	**7.8**	**12.3**
Barium		**10**	**15.9**	**17.8**	**14 J**	**12**	**5.1**	**4.9**	**2.4 J**	**2.8**
Beryllium		1 U	0.2 U	**0.3**	**0.2**	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	7.9	0.2 U	**0.1**	0.1 U	0.2 U	**0.4**	0.1 U	0.1 U	0.1 U	0.1 U
Chromium	260	1 U	**20**	**35.3**	**16**	**18**	**5**	**0.6**	**1.2**	**2**
Chromium VI	50	--	--	--	--	--	--	--	--	--
Copper	2.4	1 U	**5**	**8.5**	**3.9 J**	**6**	**2.3**	0.5 U	**0.8 J**	**1**
Lead	8.1	0.2 U	**0.4**	**0.8**	**0.3**	**0.4**	**0.4**	0.1 U	**0.1**	**0.1**
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	**110**	**1.6**	**1.7**	**1.7**	**2**	**1.1**	0.5 U	**0.7**	**0.8**
Selenium	71	1 U	**4**	**1.2**	2 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	1.9	0.5 U	0.2 U	0.2 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U
Thallium		0.5 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U
Zinc	81	10 U	**15**	**7**	**6**	10 U	**9**	4 U	**5**	**6**
Metals, Dissolved (µg/L)										
Antimony	90	**1**	0.2 U	0.2 U	0.5 U	0.5 U	**0.4**	0.2 U	0.2 U	0.2 U
Arsenic	5	**1020**	**3.2**	**3.7**	**1.9**	**2**	**7.9**	**4.4**	**8.2**	**11.8**
Barium		**9**	**14**	**13.4**	**12**	**10**	**3.8**	**5**	**1.9**	**2.2**
Beryllium		0.5 U	0.5 U	**0.2**	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	7.9	0.2 U	0.1 U	0.1 U	0.2 U	**0.3**	0.1 U	0.1 U	0.1 U	0.1 U
Chromium	260	1 U	**16**	**34.6**	**14**	**15**	**2.9**	**0.5**	**0.9**	**2**
Chromium VI	50	--	--	--	--	--	--	--	--	--
Copper	2.4	1 U	**1.1**	**3.3**	**1**	1 U	**0.6**	0.5 U	0.5 U	0.5 U
Lead	8.1	0.2 U	0.1 U	**0.3**	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	**105**	**1.3**	**1.3**	**1.5**	**1**	**0.8**	0.5 U	**0.6**	**0.8**
Selenium	71	1 U	**4**	**1**	2 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	1.9	0.5 U	0.2 U	0.2 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U
Thallium		0.5 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U
Zinc	81	10 U	**12**	4 U	**4**	10 U	4 U	4 U	4 U	4 U
Organometallic Compounds (µg/L)										
Tributyltin (ion)	0.193	0.19 U	0.19 U	0.19 UJ	0.19 U	0.19 U	0.19 U	0.19 UJ	0.19 U	0.19 U

Table 7-6b
Groundwater and Seep Results: Metals and TBT

	Location ID	DSIP2-16_1311	DSIP2-16_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312
	Depth	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	4.8 – 14.8 ft	4.8 – 14.8 ft	4.8 – 14.8 ft
	Sample ID	DSIP2-66-MW-013015	DSIP2-66-MW-041514	DSIP2-17-MW-010714	DSIP2-17-MW-012915	DSIP2-17-MW-041714	DSIP2-17-MW-070714	DSIP2-19-MW-010714	DSIP2-19-MW-012915	DSIP2-19-MW-041414
	Sample Date	1/30/2015	4/15/2014	1/7/2014	1/29/2015	4/17/2014	7/7/2014	1/7/2014	1/29/2015	4/14/2014
	Sample Type	FD	FD	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267562.84	1267562.84	1267480.85	1267480.85	1267480.85	1267480.85	1267489.96	1267489.96	1267489.96
	Y	204360.20	204360.20	204502.28	204502.28	204502.28	204502.28	204622.78	204622.78	204622.78
	Screening Level									
Metals (µg/L)										
Antimony	90	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.2 U	**0.3**	**0.5 J**
Arsenic	5	**4.6**	**7.6**	**0.9**	**3**	**3.6**	**2**	**1.8**	**2**	**1.5**
Barium		**5**	**2.3 J**	**16.2**	**34**	**25**	**18**	**49.4**	**77.4**	**63**
Beryllium		0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.5 U
Cadmium	7.9	0.1 U	0.1 U	0.1 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.2 U
Chromium	260	**0.6**	**1.2**	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	1 UJ
Chromium VI	50	--	--	--	--	--	--	--	--	--
Copper	2.4	0.5 U	**0.7 J**	0.5 U	1 U	1 U	1 U	0.5 U	**0.7**	**1**
Lead	8.1	0.1 U	0.1 U	0.1 U	0.2 U	0.2 U	0.5 U	0.1 U	0.1 U	0.2 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	0.5 U	**0.7**	**2.2**	1 U	**4**	**3**	**2.5**	**1.8**	**5**
Selenium	71	0.5 U	0.5 U	0.5 U	1 U	**7**	5 U	0.5 U	0.5 U	1 U
Silver	1.9	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.5 U
Thallium		0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.5 U
Zinc	81	4 U	**4**	**7**	10 U	10 U	**10**	**11**	**7**	**20**
Metals, Dissolved (µg/L)										
Antimony	90	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.2 U	**0.3**	0.5 U
Arsenic	5	**4.4**	**8**	**0.9**	**3.2**	**3.8**	**2**	**1.8**	**1.9**	**1.6**
Barium		**4.8**	**1.8**	**16**	**34**	**24 J**	**18**	**47.9**	**78.2**	**62**
Beryllium		0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.5 U
Cadmium	7.9	0.1 U	0.1 U	0.1 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.2 U
Chromium	260	**0.5**	**0.9**	1 U	0.5 U	1 U	1 U	1 U	0.5 U	1 UJ
Chromium VI	50	--	--	--	--	--	--	--	--	--
Copper	2.4	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	**0.8**	0.5 U	1 U
Lead	8.1	0.1 U	0.1 U	0.1 U	0.2 U	0.2 U	0.5 U	0.1 U	0.1 U	0.2 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	0.5 U	**0.6**	**2.8**	1 U	**4**	5 U	**4.2**	**1.8**	**5**
Selenium	71	0.5 U	0.5 U	0.5 U	1 U	**7**	5 U	0.5 U	0.5 U	1 U
Silver	1.9	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.5 U
Thallium		0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.5 U
Zinc	81	4 U	4 U	**5**	10 U	10 U	10 U	**4**	**5**	**10**
Organometallic Compounds (µg/L)										
Tributyltin (ion)	0.193	0.19 UJ	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U

Table 7-6b
Groundwater and Seep Results: Metals and TBT

	Location ID	DSIP2-19_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312
	Depth	4.8 – 14.8 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft
	Sample ID	DSIP2-19-MW-070714	DSIP2-20-MW-010714	DSIP2-20-MW-012915	DSIP2-20-MW-041614	DSIP2-20-MW-070714	DSIP2-23-MW-010814	DSIP2-23-MW-012915	DSIP2-23-MW-041614	DSIP2-23-MW-070714
	Sample Date	7/7/2014	1/7/2014	1/29/2015	4/16/2014	7/7/2014	1/8/2014	1/29/2015	4/16/2014	7/7/2014
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267489.96	1267608.74	1267608.74	1267608.74	1267608.74	1267680.39	1267680.39	1267680.39	1267680.39
	Y	204622.78	204585.93	204585.93	204585.93	204585.93	204601.37	204601.37	204601.37	204601.37
	Screening Level									
Metals (µg/L)										
Antimony	90	0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U
Arsenic	5	**3.2**	**2**	**0.8**	**1.8**	1 U	**4**	**1.6**	**3.4**	**2**
Barium		**50**	**65**	**38**	**45**	**48**	**58**	**49**	**56**	**52**
Beryllium		0.5 U	**0.2**	0.5 U	0.5 U	0.5 U	0.2 UJ	0.5 U	0.5 U	0.5 U
Cadmium	7.9	0.2 U	**1.9**	**1.6**	**2.3**	0.2 U	**2**	**1.4**	**1.4**	**0.6**
Chromium	260	1 U	2 U	0.5 U	1 U	1 U	2 U	1 U	1 U	1 U
Chromium VI	50	--	--	--	--	--	--	--	--	--
Copper	2.4	1 U	**3.1**	**3**	**4**	**1**	2 U	**3**	**3**	**3**
Lead	8.1	0.2 U	**1.2**	**1.5**	**1.8**	**1**	1 U	0.2 U	0.2 U	0.2 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	**3**	**31.2**	**11**	**21**	**14**	**52**	**28**	**50**	**41**
Selenium	71	1 U	**4**	1 U	**4**	5 U	**9**	1 U	**7**	5 U
Silver	1.9	0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U
Thallium		0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U
Zinc	81	10 U	**310**	**110**	**160**	**80**	**390**	**230**	**370**	**240**
Metals, Dissolved (µg/L)										
Antimony	90	0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arsenic	5	**3**	**2**	**0.7**	**1.6**	1 U	**3**	**1.4**	**3.2**	**2**
Barium		**49**	**63.2**	**36**	**42**	**45**	**60**	**47**	**56**	**50**
Beryllium		0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.2 U	0.5 U	0.5 U	0.5 U
Cadmium	7.9	0.2 U	**0.9**	0.2 U	0.2 U	0.2 U	**1.4**	**0.9**	**1.3**	**0.4**
Chromium	260	1 U	5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium VI	50	--	--	--	--	--	--	--	--	--
Copper	2.4	1 U	**1.5**	1 U	1 U	1 U	1 U	1 U	**1**	1 U
Lead	8.1	0.2 U	**0.2**	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.5 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	**4**	**30.6**	**11**	**20**	**18**	**46**	**28**	**51**	**44**
Selenium	71	1 U	**4**	1 U	**3**	5 U	10 U	1 U	**7**	5 U
Silver	1.9	0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Thallium		0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Zinc	81	10 U	**290**	**120**	**140**	**80**	**360**	**220**	**380**	**250**
Organometallic Compounds (µg/L)										
Tributyltin (ion)	0.193	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U

Table 7-6b
Groundwater and Seep Results: Metals and TBT

	Location ID	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311
	Depth	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft
	Sample ID	DSIP2-25-MW-010814	DSIP2-25-MW-012815	DSIP2-25-MW-041714	DSIP2-25-MW-071014	DSIP2-27-MW-010614	DSIP2-27-MW-012815	DSIP2-27-MW-041714	DSIP2-27-MW-071014	DSIP2-67-MW-010614
	Sample Date	1/8/2014	1/28/2015	4/17/2014	7/10/2014	1/6/2014	1/28/2015	4/17/2014	7/10/2014	1/6/2014
	Sample Type	N	N	N	N	N	N	N	N	FD
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267844.52	1267844.52	1267844.52	1267844.52	1267800.30	1267800.30	1267800.30	1267800.30	1267800.30
	Y	204565.36	204565.36	204565.36	204565.36	204380.32	204380.32	204380.32	204380.32	204380.32
	Screening Level									
Metals (µg/L)										
Antimony	90	2 U	1 U	2 U	0.5 U	0.2 U	0.2 U	0.5 U	0.5 U	0.2 U
Arsenic	5	**4**	**4**	**3**	2 U	**0.6**	**3.4**	**1.1**	**0.7 J**	**0.6**
Barium		**134**	**151**	**96**	**209 J**	**13.7**	**21.9**	**30**	**9 J**	**13.3**
Beryllium		0.2 UJ	2 U	2 U	1 U	0.2 U	0.2 U	0.5 U	1 U	0.2 U
Cadmium	7.9	1 U	1 U	**1**	**1.3**	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U
Chromium	260	5 U	2 U	5 U	1 U	2 U	**0.9**	1 U	1 U	2 U
Chromium VI	50	--	--	--	--	--	--	--	--	--
Copper	2.4	5 U	5 U	**2**	**3**	0.5 U	0.5 U	1 U	1 U	**0.7**
Lead	8.1	1 U	1 U	1 U	0.5 U	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	**15**	**22**	**41**	**17**	**1.5**	0.5 U	**2**	1 U	**1.6**
Selenium	71	5 U	5 U	5 U	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U
Silver	1.9	2 U	2 U	2 U	0.5 U	0.2 U	0.2 U	0.5 U	0.5 U	0.2 U
Thallium		2 U	2 U	2 U	1 U	0.2 U	0.2 U	0.5 U	0.5 U	0.2 U
Zinc	81	**50**	**340**	**630**	**50**	**690**	4 U	10 U	10 U	**13**
Metals, Dissolved (µg/L)										
Antimony	90	2 U	2 U	2 U	0.5 U	0.2 U	0.2 U	0.5 U	0.5 U	0.2 U
Arsenic	5	**5**	**4**	**3**	2 U	**0.6**	**3.4**	**1.2**	0.5 U	**0.6**
Barium		**137**	**164**	**98 J**	**214**	**14.2**	**22**	**32 J**	**9**	**15.4**
Beryllium		0.2 U	2 U	2 U	1 U	0.2 U	0.2 U	0.5 U	1 U	0.2 U
Cadmium	7.9	1 U	1 U	1 U	**1.4**	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U
Chromium	260	5 U	2 U	5 U	2 U	0.5 U	**0.8**	1 U	2 U	0.5 U
Chromium VI	50	--	--	--	--	--	--	--	--	--
Copper	2.4	5 U	5 U	5 U	**2**	0.5 U	0.5 U	1 U	1 U	0.5 U
Lead	8.1	1 U	1 U	1 U	0.5 U	0.1 U	0.1 U	0.2 U	0.5 U	0.1 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	**15**	**24**	**42**	**16**	**1.6**	0.5 U	**2**	1 U	**1.3**
Selenium	71	5 U	5 U	5 U	5 U	0.5 U	**0.6**	1 U	1 U	0.5 U
Silver	1.9	2 U	2 U	2 U	0.5 U	0.2 U	0.2 U	0.5 U	0.5 U	0.2 U
Thallium		2 U	2 U	2 U	1 U	0.2 U	0.2 U	0.5 U	1 U	0.2 U
Zinc	81	**50**	**360**	**640**	**50**	**5**	4 U	10 U	10 U	**5**
Organometallic Compounds (µg/L)										
Tributyltin (ion)	0.193	0.19 U	0.19 UJ	0.19 U	0.19 U	0.19 U	0.19 UJ	0.19 U	0.19 U	0.19 U

Table 7-6b
Groundwater and Seep Results: Metals and TBT

	Location ID	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311
	Depth	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft
	Sample ID	DSIP2-28-MW-010914	DSIP2-28-MW-012915	DSIP2-28-MW-041714	DSIP2-28-MW-070914	DSIP2-78-MW-070914	DSIP2-29-MW-010614	DSIP2-29-MW-012815	DSIP2-29-MW-041614	DSIP2-29-MW-071114
	Sample Date	1/9/2014	1/29/2015	4/17/2014	7/9/2014	7/9/2014	1/6/2014	1/28/2015	4/16/2014	7/11/2014
	Sample Type	N	N	N	N	FD	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267985.36	1267985.36	1267985.36	1267985.36	1267985.36	1267967.58	1267967.58	1267967.58	1267967.58
	Y	204392.42	204392.42	204392.42	204392.42	204392.42	204223.52	204223.52	204223.52	204223.52
	Screening Level									
Metals (µg/L)										
Antimony	90	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2**	0.2 U	0.2 U	**0.7**
Arsenic	5	**2**	0.5 U	**1.3**	1 U	1 U	**2.4**	**2.2**	**3.2**	**2.6**
Barium		**21**	**20**	**16**	**17**	**18**	**1.9**	**2.6**	**2.2**	**2**
Beryllium		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.5 U
Cadmium	7.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
Chromium	260	**12**	**2**	**7**	**5**	**6**	2 U	**0.5**	1 U	1 U
Chromium VI	50	--	**19 J**	10 U	**29 J**	**28 J**	--	**-- R**	**81 J**	**-- R**
Copper	2.4	**3**	1 U	**2**	**2**	**2**	0.5 U	0.5 U	0.5 U	1 U
Lead	8.1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	**2**	1 U	**2**	**2**	**2**	**1**	0.5 U	**1.6**	1 U
Selenium	71	**5**	1 U	**3**	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U
Silver	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.5 U
Thallium		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.5 U
Zinc	81	10 U	10 U	10 U	10 U	10 U	**60**	4 U	**30**	10 U
Metals, Dissolved (µg/L)										
Antimony	90	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2**	0.2 U	0.2 U	**0.7**
Arsenic	5	**1.5**	0.5 U	**1.2**	1 U	1 U	**2.6**	**2.4**	**3.2**	**2.6**
Barium		**19**	**20**	**15 J**	**17**	**17**	**2**	**2.6**	**2.1**	**1**
Beryllium		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.5 U
Cadmium	7.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
Chromium	260	**8**	**2**	**5**	**5**	**5**	2 U	0.5 U	1 U	1 U
Chromium VI	50	**24**	--	--	--	--	**-- R**	--	--	--
Copper	2.4	1 U	1 U	1 U	1 U	1 U	**0.6**	0.5 U	0.5 U	1 U
Lead	8.1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	**2**	1 U	**2**	**2**	**2**	**1.2**	0.5 U	**1.6**	1 U
Selenium	71	**4**	1 U	**4**	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U
Silver	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.5 U
Thallium		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.5 U
Zinc	81	10 U	10 U	10 U	10 U	10 U	**53**	4 U	**20**	10 U
Organometallic Compounds (µg/L)										
Tributyltin (ion)	0.193	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 UJ	0.19 U	0.19 U

Table 7-6b
Groundwater and Seep Results: Metals and TBT

	Location ID	DSIP2-29_1311	DSI-PZ-01_1401	DSI-PZ-01_1401	DSI-PZ-01_1401	DSI-PZ-01_1401	DSIP2-SP-01	DSIP2-SP-02	DSIP2-SP-02	DSIP2-SP-03
	Depth	4 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	--	--	--	--
	Sample ID	DSIP2-79-MW-012815	DSI-P2-01-070714	DSI-PZ-01-010814	DSI-PZ-01-013015	DSI-PZ-01-041414	DSIP2-SP-01-072213	DSIP2-SP-02-072213	DSIP2-SP-52-072213	DSIP2-SP-03-072213
	Sample Date	1/28/2015	7/7/2014	1/8/2014	1/30/2015	4/14/2014	7/22/2013	7/22/2013	7/22/2013	7/22/2013
	Sample Type	FD	N	N	N	N	N	N	FD	N
	Matrix	WG	WG	WG	WG	WG	WSP	WSP	WSP	WSP
	X	1267967.58	1267724.47	1267724.47	1267724.47	1267724.47	1268019.71	1268017.92	1268017.92	1268058.01
	Y	204223.52	204468.59	204468.59	204468.59	204468.59	204592.17	204545.54	204545.54	204445.78
	Screening Level									
Metals (µg/L)										
Antimony	90	0.2 U	0.5 U	1 U	**0.3**	0.5 U	1 U	1 U	1 U	**16**
Arsenic	5	**2.2**	**0.8**	**2**	**3.8**	**0.8**	**8**	2 U	2 U	**36**
Barium		**2.5**	**47**	**28**	**43**	**38**	**447**	**82**	**82**	**45**
Beryllium		0.2 U	0.5 U	0.2 UJ	0.5 U	0.5 U	2 U	1 U	1 U	1 U
Cadmium	7.9	0.1 U	0.2 U	0.5 U	0.1 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U
Chromium	260	0.5 U	1 U	5 U	1 U	1 UJ	2 U	2 U	2 U	**4**
Chromium VI	50	**-- R**	**-- R**	--	10 U	**-- R**	--	--	--	--
Copper	2.4	0.5 U	1 U	2 U	**1.7**	1 U	**3**	**6**	**6**	**10**
Lead	8.1	0.1 U	0.2 U	0.5 U	0.2 U	0.2 U	0.5 U	**1**	**0.8**	**4.1**
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	8.2	0.5 U	**4**	**5**	**0.5**	**3**	**12**	**6**	**6**	**8**
Selenium	71	0.5 U	**1**	2 U	0.5 U	1 U	**13 J**	10 U	10 U	10 U
Silver	1.9	0.2 U	0.5 U	1 U	0.2 U	0.5 U	1 U	1 U	1 U	1 U
Thallium		0.2 U	0.5 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U
Zinc	81	**9**	10 U	**20**	**5**	10 U	20 U	20 U	20 U	**20**
Metals, Dissolved (µg/L)										
Antimony	90	0.2 U	0.5 U	2 U	**0.3**	0.5 U	1 U	1 U	1 U	--
Arsenic	5	**2.1**	**0.6**	**2**	**2.9**	**0.8**	**5**	2 U	2 U	--
Barium		**2.6**	**45**	**30**	**37**	**39**	**430**	**76**	**75**	--
Beryllium		0.2 U	0.5 U	2 U	0.5 U	0.5 U	2 U	1 U	1 U	--
Cadmium	7.9	0.1 U	0.2 U	1 U	0.1 U	0.2 U	0.5 U	0.5 U	0.5 U	--
Chromium	260	0.5 U	1 U	5 U	1 U	1 UJ	2 U	2 U	2 U	--
Chromium VI	50	--	--	**-- R**	--	--	**10 J**	**10 J**	**10 J**	--
Copper	2.4	0.5 U	1 U	5 U	0.5 U	1 U	2 U	2 U	2 U	--
Lead	8.1	0.1 U	0.5 U	1 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	--
Mercury	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Nickel	8.2	0.5 U	5 U	**5**	0.5 U	**3**	**11**	**5**	**5**	--
Selenium	71	0.5 U	**1**	5 U	**0.5**	1 U	**6**	10 U	10 U	--
Silver	1.9	0.2 U	0.5 U	2 U	0.2 U	0.5 U	1 U	1 U	1 U	--
Thallium		0.2 U	0.5 U	2 U	0.5 U	0.5 U	1 U	1 U	1 U	--
Zinc	81	4 U	10 U	40 U	4 U	10 U	20 U	20 U	20 U	--
Organometallic Compounds (µg/L)										
Tributyltin (ion)	0.193	0.19 UJ	0.19 U	0.19 U	0.19 UJ	0.19 U	0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ

Table 7-6b
Groundwater and Seep Results: Metals and TBT

Notes
Detected concentration is greater than the groundwater screening level
Non-detected concentration is above the groundwater screening level
Bold = Detected result
-- = not analyzed
µg/L = micrograms per liter
FD = field duplicate
ft = foot
J = estimated value
N = normal sample
R = rejected
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit
WG = groundwater
WSP = groundwater seep

Table 7-6c
Groundwater and Seep Results: PAHs and TPH

	Location ID	MW-4	MW-5	DSI-01	DSI-02	DSI-03	DSI-04	DSI-05	DSI-06	DSI-07	DSI-07	DSI-08	DSI-09	DSI-10	DSI-11	DSI-12
	Depth															
	Sample ID	MW-4-GW-060929	MW-5-GW-060929	DSI01-GW	DSI02-GW	DSI03-GW	DSI04-GW	DSI05-GW	DSI06-GW	DSI07-GW	DSI57-GW	DSI08-GW	DSI09-GW	DSI10-GW	DSI11-GW	DSI12-GW
	Sample Date	9/29/2006	9/29/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267474.81	1267494.81	1267483.65	1267482.28	1267538.20	1267677.30	1267664.49	1267832.57	1267843.29	1267843.29	1267815.08	1267972.09	1267928.64	1267970.43	1267970.42
	Y	204675.26	204585.26	204362.38	204484.72	204614.54	204577.53	204414.79	204403.48	204440.17	204440.17	204599.08	204599.10	204456.02	204358.81	204269.04
	Screening Level															
Polycyclic Aromatic Hydrocarbons (µg/L)																
1-Methylnaphthalene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene		**1.3**	0.01 U	0.1 U	0.07 U	**0.11**	0.02 U	**0.12**	0.06 U	**32**	**28**	0.06 U	0.08 U	0.06 U	0.07 U	**0.47**
Acenaphthene	3.2	**2.9**	0.01 U	**0.07**	**0.03**	**0.01**	0.01 U	**0.06**	**0.09**	**0.54**	**0.53**	**0.01 J**	**0.05**	**0.11**	**0.22**	**2.2**
Acenaphthylene		**0.08**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.01 J**	**0.06**	**0.06**	0.01 U	0.01 U	0.01 U	**0.02**	**1.8**
Anthracene	9.4	**0.14**	0.01 U	**0.02**	**0.01 J**	**0.02**	0.01 U	**0.01 J**	**0.01 J**	**0.03**	**0.03**	**0.01 J**	**0.02**	0.01 U	**0.01**	**2.6**
Benzo(a)anthracene	0.01	0.01 U	0.01 U	**0.01 J**	0.01 U	**0.03**	0.01 U	**0.01 J**	0.01 U	0.01 U	0.01 U	0.01 U	**0.01**	0.01 U	0.01 U	**3.4**
Benzo(a)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	**0.02**	0.01 U	**0.01 J**	0.01 U	0.01 U	0.01 U	0.01 U	**0.01 J**	0.01 U	0.01 U	**3.5**
Benzo(b)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	**0.02**	0.01 U	**0.01 J**	0.01 U	0.01 U	0.01 U	0.01 U	**0.01 J**	**0.01 J**	0.01 U	**2**
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene		0.01 U	0.01 U	0.01 U	0.01 U	**0.01 J**	0.01 U	**0.01 J**	0.01 U	**0.01 J**	0.01 U	0.01 U	0.01 U	**0.01 J**	0.01 U	**1.9**
Benzo(k)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	**0.03**	0.01 U	**0.01 J**	0.01 U	0.01 U	0.01 U	0.01 U	**0.01 J**	**0.01 J**	0.01 U	**2.2**
Carbazole		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	0.016	0.01 U	0.01 U	**0.01**	**0.01 J**	**0.06**	0.01 U	**0.02**	**0.01 J**	**0.01 J**	**0.01 J**	**0.01 J**	**0.02**	**0.02**	**0.01 J**	**5**
Dibenzo(a,h)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	**0.01 J**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.65**
Dibenzofuran		**0.13**	0.01 U	**0.03**	**0.01**	**0.01**	0.01 U	**0.01 J**	**0.01 J**	**0.14**	**0.14**	**0.01 J**	**0.01 J**	0.01 U	**0.03**	**0.44**
Fluoranthene	3.3	**0.13**	**0.01 J**	**0.05**	**0.02**	**0.02**	**0.01**	**0.02**	**0.03**	**0.02**	**0.02**	**0.02**	**0.04**	**0.01 J**	**0.03**	**8.5**
Fluorene	3.0	**2**	**0.01 J**	**0.06**	**0.03**	**0.02**	0.01 U	**0.01**	**0.03**	**0.57**	**0.54**	**0.01 J**	**0.03**	**0.01 J**	**0.16**	**3.3**
Indeno(1,2,3-c,d)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	**0.01 J**	0.01 U	**0.01 J**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**1.5**
Naphthalene	81	**5**	**0.01 J**	**0.12**	**0.12**	**0.13**	**0.07**	**0.16**	**0.15**	**1.8**	**1.7**	**0.08**	**0.1**	**0.1**	**0.2**	**1.2**
Phenanthrene		**0.15**	**0.02**	**0.14**	**0.05**	**0.06**	**0.01**	**0.04**	**0.04**	**0.31**	**0.31**	**0.03**	**0.13**	**0.02**	**0.04**	**5.6**
Pyrene	8	**0.07**	**0.01 J**	**0.04**	**0.02**	**0.01**	**0.01 J**	**0.02**	**0.05**	**0.02**	**0.02**	**0.01**	**0.05**	**0.01**	**0.02**	**11**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	0.02	0.01 U	0.01 U	**0.0011 J**	**0.0001 J**	**0.0306 J**	0.01 U	**0.0142 J**	**0.0001 J**	**0.0001 J**	**0.0001 J**	**0.0001 J**	**0.0132 J**	**0.0022 J**	**0.0001 J**	**4.525**
Total Petroleum Hydrocarbons (mg/L)																
Gasoline range hydrocarbons	0.8	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	**2**	**2.2**	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Diesel range hydrocarbons	0.5	**0.35**	0.25 U	0.25 U	0.25 U	**0.93**	0.25 U	0.25 U	0.25 U	**1.9**	**1.9**	0.25 U	0.25 U	0.25 U	**3.2**	**0.63**
Motor oil range hydrocarbons	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Diesel and Motor Oil (U = 0)	0.5	**0.35**	0.5 U	0.5 U	0.5 U	**0.93**	0.5 U	0.5 U	0.5 U	**1.9**	**1.9**	0.5 U	0.5 U	0.5 U	**3.2**	**0.63**

Table 7-6c
Groundwater and Seep Results: PAHs and TPH

	Location ID	DSI-GP-01	DSI-GP-02	DSI-GP-04	DSI-GP-05	DSI-GP-06	DSI-GP-07	DSI-GP-08	DSI-GP-09	DSI-GP-10	DSI-GP-11	DSI-GP-19	DSI-GP-19	DSI-GP-20
	Depth	6.5 – 6.5 ft	6.5 – 6.5 ft	6.5 – 6.5 ft	7.5 – 7.5 ft	7.5 – 7.5 ft	7.5 – 7.5 ft	7 – 7 ft	7.5 – 7.5 ft	7 – 7 ft	8 – 8 ft	7.5 – 7.5 ft	7.5 – 7.5 ft	7.5 – 7.5 ft
	Sample ID	DSI-GP-01-GW	DSI-GP-02-GW	DSI-GP-04-GW	DSI-GP-05-GW	DSI-GP-06-GW	DSI-GP-07-GW	DSI-GP-08-GW	DSI-GP-09-GW	DSI-GP-10-GW	DSI-GP-11-GW	DSI-GP-19-GW	DSI-GP-69-GW	DSI-GP-20-GW
	Sample Date	7/15/2009	7/15/2009	7/15/2009	7/14/2009	7/14/2009	7/14/2009	7/16/2009	7/16/2009	7/16/2009	7/14/2009	7/16/2009	7/16/2009	7/15/2009
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	FD	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267444.94	1267499.15	1267562.47	1267499.84	1267588.58	1267662.08	1267860.11	1267877.01	1267792.87	1267873.09	1267668.90	1267668.90	1267785.57
	Y	204366.80	204352.94	204594.78	204589.62	204506.76	204563.53	204436.11	204409.65	204451.34	204484.40	204346.90	204346.90	204370.10
	Screening Level													
Polycyclic Aromatic Hydrocarbons (µg/L)														
1-Methylnaphthalene		0.01 U	0.01 U	--	--	0.01 U	0.01 U	**4.4**	**2.7**	**0.045**	**0.025**	**0.021**	**0.02**	**0.013**
2-Methylnaphthalene		**0.015**	**0.011**	--	--	0.01 U	**0.018**	**3.5**	**3.2**	**0.049**	**0.034**	**0.04**	**0.035**	**0.029**
Acenaphthene	3.2	0.01 U	0.01 U	--	--	0.01 U	0.01 U	**0.74**	**0.57**	**0.051**	**0.017**	**0.011**	**0.011**	0.01 U
Acenaphthylene		0.01 U	0.01 U	--	--	0.01 U	0.01 U	**0.37**	**1.5**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	9.4	0.01 U	0.01 U	--	--	0.01 U	0.01 U	**0.17**	**0.25**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	0.01	0.01 U	0.01 U	--	--	0.01 U	0.01 U	**0.039**	**0.043**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	0.01	0.01 U	0.01 U	--	--	0.01 U	0.01 U	**0.018**	**0.022**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	0.01	0.01 UJ	0.01 UJ	--	--	0.01 U	0.01 U	**0.014**	**0.011**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene		0.01 UJ	0.01 UJ	--	--	0.01 U	**0.019**	**0.02**	**0.02**	0.01 U	**0.017**	0.01 U	0.01 UJ	0.01 UJ
Benzo(k)fluoranthene	0.01	0.01 U	0.01 U	--	--	0.01 U	0.01 U	0.01 U	**0.013**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole		--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	0.016	0.01 U	0.01 U	--	--	0.01 U	**0.016**	**0.047**	**0.052**	0.01 U	**0.011**	0.01 U	0.01 U	0.01 U
Dibenzo(a,h)anthracene	0.01	0.01 U	0.01 U	--	--	0.01 U	**0.018**	**0.018**	**0.018**	0.01 U	**0.017**	0.01 U	0.01 U	0.01 U
Dibenzofuran		0.01 U	0.01 U	--	--	0.01 U	0.01 U	**0.2**	**0.16**	**0.021**	0.01 U	**0.021**	**0.019**	**0.021**
Fluoranthene	3.3	0.01 U	0.01 U	--	--	0.01 U	**0.023**	**0.17**	**0.26**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Fluorene	3.0	0.01 U	0.01 U	--	--	0.01 U	0.01 U	**1.1**	**0.96**	**0.028**	0.01 U	**0.023**	**0.021**	**0.023**
Indeno(1,2,3-c,d)pyrene	0.01	0.01 U	0.01 U	--	--	0.01 U	**0.02**	**0.022**	**0.022**	0.01 U	**0.018**	0.01 U	0.01 UJ	0.01 U
Naphthalene	81	**0.059**	**0.038**	--	--	**0.088**	**0.033**	**4**	**10**	**0.097**	**0.034**	**0.062**	**0.059**	**0.056**
Phenanthrene		0.01 U	0.01 U	--	--	0.01 U	**0.019**	**1.3**	**1.1**	**0.026**	0.01 U	**0.021**	**0.018**	**0.023**
Pyrene	8	0.01 U	**0.014**	--	--	0.01 U	**0.023**	**0.2**	**0.3**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	0.02	0.01 UJ	0.01 UJ	--	--	0.01 U	**0.00396**	**0.02777**	**0.03322**	0.01 U	**0.00361**	0.01 U	0.01 UJ	0.01 UJ
Total Petroleum Hydrocarbons (mg/L)														
Gasoline range hydrocarbons	0.8	--	--	0.25 U	0.25 U	0.25 U	0.25 U	**0.38**	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Diesel range hydrocarbons	0.5	--	--	0.25 U	0.25 UJ	0.25 UJ	0.25 UJ	0.25 U	0.25 U	0.25 U	0.25 UJ	0.25 U	0.25 U	0.25 U
Motor oil range hydrocarbons	0.5	--	--	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Total Diesel and Motor Oil (U = 0)	0.5	--	--	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U

Table 7-6c
Groundwater and Seep Results: PAHs and TPH

	Location ID	DSI-GP-21	DSI-MW-01	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-03	DSI-MW-04	DSI-MW-04	DSI-MW-04
	Depth	7.5 – 7.5 ft	4.6 – 14.5 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	29.85 – 39.75 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft
	Sample ID	DSI-GP-21-GW	DSI-MW-01-072209	DSI-MW-02-010714	DSI-MW-02-012915	DSI-MW-02-041814	DSI-MW-02-070714	DSI-MW-02-072209	DSI-MW-03-072909	DSI-MW-04-011014	DSI-MW-04-012915	DSI-MW-04-041514
	Sample Date	7/16/2009	7/22/2009	1/7/2014	1/29/2015	4/18/2014	7/7/2014	7/22/2009	7/29/2009	1/10/2014	1/29/2015	4/15/2014
	Sample Type	N	N	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267891.80	1267511.08	1267537.85	1267537.85	1267537.85	1267537.85	1267537.85	1267731.36	1267894.98	1267894.98	1267894.98
	Y	204378.83	204376.69	204619.49	204619.49	204619.49	204619.49	204619.49	204467.03	204416.16	204416.16	204416.16
	Screening Level											
Polycyclic Aromatic Hydrocarbons (µg/L)												
1-Methylnaphthalene		**4.6**	**0.024**	0.01 U	0.01 U	0.01 U	0.01 U	**0.018**	0.01 U	**3.6**	**3.6**	**6.9**
2-Methylnaphthalene		**1.2**	**0.028**	0.01 U	0.01 U	0.01 U	0.01 U	**0.02**	0.01 U	**0.44**	**0.0091 J**	**0.72 J**
Acenaphthene	3.2	1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**2.6**	**2.4**	**3.1**
Acenaphthylene		**0.069**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.23**	**0.28**	**0.27**
Anthracene	9.4	**0.027**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.13**	**0.092**	**0.12**
Benzo(a)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.0056 J**	0.01 U
Benzo(a)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.0091 J**	0.01 U
Benzo(b)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.0052 J**	0.01 U
Benzo(b,j,k)fluoranthenes		--	--	--	0.02 U	0.02 U	0.02 U	--	--	--	**0.0052 J**	0.02 U
Benzo(g,h,i)perylene		**0.014**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(k)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole		--	--	1 U	1 U	1 UJ	1 U	--	--	1 U	1 U	1 U
Chrysene	0.016	**0.01**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.011**	0.01 U
Dibenzo(a,h)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzofuran		**0.06**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	1 U	**0.23**	**0.23**
Fluoranthene	3.3	**0.027**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.074**	**0.093**	**0.061**
Fluorene	3.0	**0.27**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**1**	**0.8 J**	**1.1**
Indeno(1,2,3-c,d)pyrene	0.01	1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Naphthalene	81	**2**	**0.02**	**0.0085 J**	0.01 U	**0.0083 J**	0.01 U	0.01 U	**0.016**	**4.5**	**0.9**	**5.6**
Phenanthrene		**0.16**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.54**	**0.21**	**0.82 J**
Pyrene	8	**0.033**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.088**	**0.16**	**0.079**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	0.02	**0.0001**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.01081 J**	0.01 U
Total Petroleum Hydrocarbons (mg/L)												
Gasoline range hydrocarbons	0.8	**0.38**	--	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	**0.31**	0.25 U
Diesel range hydrocarbons	0.5	0.25 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.25 U	0.1 UJ	0.1 U	0.1 U
Motor oil range hydrocarbons	0.5	0.5 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.2 UJ	0.2 U	**0.26**
Total Diesel and Motor Oil (U = 0)	0.5	0.5 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.2 UJ	0.2 U	**0.26**

Table 7-6c
Groundwater and Seep Results: PAHs and TPH

	Location ID	DSI-MW-04	DSI-MW-04	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-06	DSI-MW-06	DSI-MW-06
	Depth	4.6 – 14.2 ft	4.6 – 14.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft
	Sample ID	DSI-MW-04-070914	DSI-MW-04-072309	DSI-MW-05-010814	DSI-MW-05-012815	DSI-MW-05-041514	DSI-MW-05-071014	DSI-MW-05-072909	DSI-MW-55-072909	DSI-MW-06-010714	DSI-MW-06-012915	DSI-MW-06-041414
	Sample Date	7/9/2014	7/23/2009	1/8/2014	1/28/2015	4/15/2014	7/10/2014	7/29/2009	7/29/2009	1/7/2014	1/29/2015	4/14/2014
	Sample Type	N	N	N	N	N	N	N	FD	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267894.98	1267894.98	1267969.75	1267969.75	1267969.75	1267969.75	1267969.75	1267969.75	1267953.29	1267953.29	1267953.29
	Y	204416.16	204416.16	204575.21	204575.21	204575.21	204575.21	204575.21	204575.21	204456.31	204456.31	204456.31
	Screening Level											
Polycyclic Aromatic Hydrocarbons (µg/L)												
1-Methylnaphthalene		**5.2 J**	**6**	0.01 U	0.01 U	**0.0066 J**	**0.0096 J**	0.01 U	0.01 U	**0.017**	**0.018**	**0.027**
2-Methylnaphthalene		**0.28**	**0.71**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.017**	**0.0057 J**
Acenaphthene	3.2	**2.9**	**1.6**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**2.1**	**2.6**	**2.8**
Acenaphthylene		**0.22**	**0.18**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.034**	**0.039**	**0.037**
Anthracene	9.4	**0.13**	**0.12**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.024 J**	**0.041**	**0.027**
Benzo(a)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	0.01	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b,j,k)fluoranthenes		0.02 U	--	--	0.02 U	0.02 U	0.02 U	--	--	--	0.02 U	0.02 U
Benzo(g,h,i)perylene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(k)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole		1 U	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U
Chrysene	0.016	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzo(a,h)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzofuran		**0.2**	**0.2**	0.01 U	**0.005 J**	0.01 U	0.01 U	0.01 U	0.01 U	**0.045**	**0.092**	**0.11**
Fluoranthene	3.3	**0.085**	**0.018**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.018**	**0.048**	**0.027**
Fluorene	3.0	**1.2**	**1**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.5 J**	**1.3**	**1.2**
Indeno(1,2,3-c,d)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Naphthalene	81	**3.7**	**7.2**	0.01 U	**0.008 J**	**0.029**	**0.0089 J**	**0.024**	**0.013**	**0.011**	**0.015**	**0.041**
Phenanthrene		**0.69**	**0.77**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.011**	**0.008 J**	**0.014**	**0.0064 J**
Pyrene	8	**0.09**	**0.014**	0.01 UJ	**0.0097 J**	0.01 U	**0.007 J**	0.01 U	0.01 U	**0.018**	**0.034**	**0.022**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	0.02	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Total Petroleum Hydrocarbons (mg/L)												
Gasoline range hydrocarbons	0.8	0.25 U	**0.32**	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Diesel range hydrocarbons	0.5	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.25 U	**0.12**	0.1 U	0.1 U
Motor oil range hydrocarbons	0.5	0.2 U	0.5 U	0.2 U	0.2 U	**0.4**	0.2 U	0.5 U	0.5 U	**0.26**	0.2 U	0.2 U
Total Diesel and Motor Oil (U = 0)	0.5	0.2 U	0.5 U	0.2 U	0.2 U	**0.4**	0.2 U	0.5 U	0.5 U	**0.38**	0.2 U	0.2 U

Table 7-6c
Groundwater and Seep Results: PAHs and TPH

	Location ID	DSI-MW-06	DSI-MW-06	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08
	Depth	5.4 – 15.1 ft	5.4 – 15.1 ft	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft
	Sample ID	DSI-MW-06-070814	DSI-MW-06-072909	DSI-MW-07-010614	DSI-MW-07-012915	DSI-MW-07-041514	DSI-MW-07-070814	DSI-MW-07-072409	DSI-MW-08-010914	DSI-MW-08-012915	DSI-MW-08-041714	DSI-MW-08-070814
	Sample Date	7/8/2014	7/29/2009	1/6/2014	1/29/2015	4/15/2014	7/8/2014	7/24/2009	1/9/2014	1/29/2015	4/17/2014	7/8/2014
	Sample Type	N	N	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267953.29	1267953.29	1267953.32	1267953.32	1267953.32	1267953.32	1267953.32	1267967.62	1267967.62	1267967.62	1267967.62
	Y	204456.31	204456.31	204463.39	204463.39	204463.39	204463.39	204463.39	204366.34	204366.34	204366.34	204366.34
	Screening Level											
Polycyclic Aromatic Hydrocarbons (µg/L)												
1-Methylnaphthalene		**0.026**	**0.11**	0.01 U	0.01 U	**0.011**	**0.012**	0.01 U	**14**	**5**	**5.1**	**5.5**
2-Methylnaphthalene		**0.0058 J**	**0.016**	0.01 U	0.01 U	**0.02**	**0.017**	0.01 U	**0.15**	**0.02**	**0.018**	**0.031**
Acenaphthene	3.2	**2.4**	**4**	0.01 U	0.01 U	0.01 U	0.01 U	**0.19**	**2.1**	**2**	**1.8**	**2**
Acenaphthylene		**0.032**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.05**	**0.066**	**0.056**	**0.077**
Anthracene	9.4	**0.035**	**0.024**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.038**	**0.025**	**0.014**	**0.022**
Benzo(a)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.0064 J**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b,j,k)fluoranthenes		0.02 U	--	--	0.02 U	0.02 U	**0.0064 J**	--	--	0.02 U	0.02 U	0.02 U
Benzo(g,h,i)perylene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(k)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole		1 U	--	1 U	1 U	1 U	1 U	--	1 UJ	1 U	1 UJ	1 U
Chrysene	0.016	0.01 U	0.01 U	0.01 U	0.01 U	**0.0073 J**	**0.014**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzo(a,h)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzofuran		**0.046**	**0.062**	0.01 U	0.01 U	0.01 U	0.01 U	**0.03**	**0.27**	**0.14**	**0.16**	**0.27**
Fluoranthene	3.3	**0.029**	0.01 U	0.01 U	0.01 U	**0.0089 J**	**0.021**	0.01 U	**0.0058 J**	**0.0078 J**	0.01 U	**0.0071 J**
Fluorene	3.0	**0.86**	**0.64**	0.01 U	0.01 U	0.01 U	**0.0056 J**	**0.1**	**1.8**	**0.9 J**	**0.81**	**1.3**
Indeno(1,2,3-c,d)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Naphthalene	81	**0.035**	**0.016**	0.01 U	0.01 U	**0.093**	**0.04**	**0.02**	**0.056**	**0.067**	**0.19**	**0.35**
Phenanthrene		**0.0057 J**	0.01 U	0.01 U	0.01 U	**0.0059 J**	**0.013**	0.01 U	**0.13**	**0.054**	**0.021**	**0.022**
Pyrene	8	**0.021**	**0.01**	0.01 U	0.01 U	**0.013**	**0.018**	0.01 U	**0.0081 J**	**0.0081 J**	0.01 U	**0.0077 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	0.02	0.01 U	0.01 U	0.01 U	0.01 U	**0.000073 J**	**0.00142 J**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Total Petroleum Hydrocarbons (mg/L)												
Gasoline range hydrocarbons	0.8	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	**0.4**	0.25 U	0.25 U	0.25 U
Diesel range hydrocarbons	0.5	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	**0.13**	0.1 U	0.1 U	0.1 U
Motor oil range hydrocarbons	0.5	**0.32**	0.5 U	**0.32**	0.2 U	**0.28**	0.2 U	0.5 U	0.2 U	0.2 U	**0.4**	**0.33**
Total Diesel and Motor Oil (U = 0)	0.5	**0.32**	0.5 U	**0.32**	0.2 U	**0.28**	0.2 U	0.5 U	**0.13**	0.2 U	**0.4**	**0.33**

Table 7-6c
Groundwater and Seep Results: PAHs and TPH

	Location ID	DSI-MW-08	DSI-MW-08	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-10	DSI-MW-10	DSI-MW-10
	Depth	5.4 – 15.1 ft	5.4 – 15.1 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft
	Sample ID	DSI-MW-08-072809	DSI-MW-58-070814	DSI-MW-09-010914	DSI-MW-09-012915	DSI-MW-09-04142014	DSI-MW-09-070914	DSI-MW-09-072809	DSI-MW-10-010914	DSI-MW-10-012915	DSI-MW-10-041614
	Sample Date	7/28/2009	7/8/2014	1/9/2014	1/29/2015	4/14/2014	7/9/2014	7/28/2009	1/9/2014	1/29/2015	4/16/2014
	Sample Type	N	FD	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267967.62	1267967.62	1267963.77	1267963.77	1267963.77	1267963.77	1267963.77	1267964.60	1267964.60	1267964.60
	Y	204366.34	204366.34	204267.40	204267.40	204267.40	204267.40	204267.40	204275.46	204275.46	204275.46
	Screening Level										
Polycyclic Aromatic Hydrocarbons (µg/L)											
1-Methylnaphthalene		**1.2**	**5.2**	**0.12**	**0.14**	**0.12**	**0.046**	**0.065**	0.01 U	0.01 U	0.01 U
2-Methylnaphthalene		**0.059**	**0.028**	0.01 U	**0.0061 J**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acenaphthene	3.2	**0.7**	**2**	**0.53**	**0.51**	**0.48**	**0.55**	**0.41**	0.01 U	0.01 U	0.01 U
Acenaphthylene		0.01 U	**0.077**	**0.14**	**0.14**	**0.12**	**0.12**	**0.083**	0.01 U	0.01 U	0.01 U
Anthracene	9.4	0.01 U	**0.022**	**0.08**	**0.086**	**0.1**	**0.085**	**0.017**	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	0.01	0.01 U	0.01 U	**0.024**	**0.029**	**0.027**	**0.031**	**0.034**	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.0056 J**	0.01 U
Benzo(b)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b,j,k)fluoranthenes		--	0.02 U	--	0.02 U	0.02 U	0.02 U	--	--	0.02 U	0.02 U
Benzo(g,h,i)perylene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.0057 J**	0.01 U
Benzo(k)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole		--	1 U	1 UJ	1 U	1 U	1 U	--	1 UJ	1 U	1 UJ
Chrysene	0.016	0.01 U	0.01 U	**0.032**	**0.04**	**0.036**	**0.047**	**0.042**	0.01 U	**0.0081 J**	0.01 U
Dibenzo(a,h)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzofuran		**0.25**	**0.27**	**0.05**	**0.058**	**0.052**	**0.033**	**0.018**	0.01 U	0.01 U	0.01 U
Fluoranthene	3.3	**0.011**	**0.0071 J**	**0.29**	**0.29**	**0.27**	**0.43**	**0.33**	**0.012**	**0.01**	**0.0093 J**
Fluorene	3.0	**0.83**	**1.3**	**0.49**	**0.46**	**0.47**	**0.49**	**0.34**	0.01 U	0.01 U	0.01 U
Indeno(1,2,3-c,d)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Naphthalene	81	0.01 U	**0.33**	**0.033**	**0.077**	**0.041**	**0.019**	**0.038**	0.01 U	0.01 U	**0.049**
Phenanthrene		0.01 U	**0.021**	**0.065**	**0.061**	**0.11**	**0.029**	**0.02**	0.01 U	0.01 U	0.01 U
Pyrene	8	**0.011**	**0.0079 J**	**0.39**	**0.44**	**0.45**	**0.59**	**0.36**	**0.018**	**0.018**	**0.013**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	0.02	0.01 U	0.01 U	**0.00272**	**0.0033**	**0.00306**	**0.00357**	**0.00382**	0.01 U	**0.005681 J**	0.01 U
Total Petroleum Hydrocarbons (mg/L)											
Gasoline range hydrocarbons	0.8	**0.36**	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Diesel range hydrocarbons	0.5	0.25 UJ	0.1 U	**0.15**	**0.13**	**0.1**	**0.1**	0.25 UJ	0.1 U	0.1 U	0.1 U
Motor oil range hydrocarbons	0.5	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
Total Diesel and Motor Oil (U = 0)	0.5	0.5 UJ	0.2 U	**0.15**	**0.13**	**0.1**	**0.1**	0.5 UJ	0.2 U	0.2 U	0.2 U

Table 7-6c
Groundwater and Seep Results: PAHs and TPH

	Location ID	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311
	Depth	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft
	Sample ID	DSI-MW-10-071114	DSI-MW-10-072809	DSI-MW-60-041614	DSIP2-02-MW-010714	DSIP2-02-MW-012815	DSIP2-02-MW-041614	DSIP2-02-MW-070914	DSIP2-06-MW-010814	DSIP2-06-MW-012815	DSIP2-06-MW-041414
	Sample Date	7/11/2014	7/28/2009	4/16/2014	1/7/2014	1/28/2015	4/16/2014	7/9/2014	1/8/2014	1/28/2015	4/14/2014
	Sample Type	N	N	FD	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267964.60	1267964.60	1267964.60	1267562.38	1267562.38	1267562.38	1267562.38	1267821.70	1267821.70	1267821.70
	Y	204275.46	204275.46	204275.46	204456.85	204456.85	204456.85	204456.85	204456.60	204456.60	204456.60
	Screening Level										
Polycyclic Aromatic Hydrocarbons (µg/L)											
1-Methylnaphthalene		0.01 U	**0.1**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**1.4**	**1.8**	**0.17**
2-Methylnaphthalene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.011**	**0.014**	**0.0056 J**
Acenaphthene	3.2	0.01 U	**0.26**	0.01 U	**0.0092 J**	**0.013**	**0.011**	**0.011**	**0.31**	**0.54**	**0.18**
Acenaphthylene		0.01 U	**0.028**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.027**	**0.035**	**0.0068 J**
Anthracene	9.4	0.01 U	**0.15**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.021**	**0.034**	**0.0063 J**
Benzo(a)anthracene	0.01	0.01 U	**0.011**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U
Benzo(b,j,k)fluoranthenes		0.02 U	--	0.02 U	--	0.02 U	0.02 U	0.02 U	--	0.02 U	0.02 U
Benzo(g,h,i)perylene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(k)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole		1 U	--	1 UJ	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Chrysene	0.016	0.01 U	**0.015**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzo(a,h)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzofuran		0.01 U	**0.026**	0.01 U	0.01 U	**0.0055 J**	0.01 U	0.01 U	**0.054**	**0.12**	**0.015**
Fluoranthene	3.3	**0.0056 J**	**0.17**	**0.0083 J**	0.01 U	0.01 U	0.01 U	0.01 U	**0.0095 J**	**0.017**	**0.0052 J**
Fluorene	3.0	0.01 U	**0.3**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.8 J**	**0.7 J**	**0.23**
Indeno(1,2,3-c,d)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Naphthalene	81	0.01 U	**0.036**	**0.025**	0.01 U	**0.0083 J**	**0.018**	0.01 U	**0.016**	**0.022**	**0.024**
Phenanthrene		0.01 U	**0.43**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.085**	**0.06**	**0.012**
Pyrene	8	**0.0082 J**	**0.18**	**0.011**	0.01 U	0.01 U	0.01 U	0.01 U	**0.01 J**	--	**0.0065 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	0.02	0.01 U	**0.00125**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U
Total Petroleum Hydrocarbons (mg/L)											
Gasoline range hydrocarbons	0.8	0.25 U	0.25 U	0.25 U	--	--	--	--	**0.31**	**0.3**	0.25 U
Diesel range hydrocarbons	0.5	0.1 U	0.25 UJ	0.1 U	--	--	--	--	0.1 U	0.1 U	0.1 U
Motor oil range hydrocarbons	0.5	0.2 U	0.5 U	0.2 U	--	--	--	--	0.2 U	0.2 U	**0.28**
Total Diesel and Motor Oil (U = 0)	0.5	0.2 U	0.5 UJ	0.2 U	--	--	--	--	0.2 U	0.2 U	**0.28**

Table 7-6c
Groundwater and Seep Results: PAHs and TPH

	Location ID	DSIP2-06_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311
	Depth	5 – 15 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	5.3 – 15.3 ft	5.3 – 15.3 ft	5.3 – 15.3 ft
	Sample ID	DSIP2-06-MW-070814	DSIP2-08-MW-010814	DSIP2-08-MW-012815	DSIP2-08-MW-041614	DSIP2-08-MW-071014	DSIP2-58-MW-010814	DSIP2-13-MW-010614	DSIP2-13-MW-012815	DSIP2-13-MW-041514
	Sample Date	7/8/2014	1/8/2014	1/28/2015	4/16/2014	7/10/2014	1/8/2014	1/6/2014	1/28/2015	4/15/2014
	Sample Type	N	N	N	N	N	FD	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267821.70	1267991.80	1267991.80	1267991.80	1267991.80	1267991.80	1267446.25	1267446.25	1267446.25
	Y	204456.60	204592.40	204592.40	204592.40	204592.40	204592.40	204365.45	204365.45	204365.45
	Screening Level									
Polycyclic Aromatic Hydrocarbons (µg/L)										
1-Methylnaphthalene		**0.98**	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	**0.024**	**0.099**	**0.27**
2-Methylnaphthalene		**0.0074 J**	**0.0066 J**	**0.005 J**	0.01 U	0.01 UJ	**0.0061 J**	**0.018**	**0.025**	**0.027**
Acenaphthene	3.2	**0.36**	**0.028**	**0.01**	**0.012**	**0.01 J**	**0.033**	**0.32**	**0.21**	**0.37**
Acenaphthylene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	**0.012**
Anthracene	9.4	**0.011**	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	**0.0086 J**	**0.0083 J**	**0.014**
Benzo(a)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	0.01	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U
Benzo(b,j,k)fluoranthenes		0.02 U	--	0.02 U	0.02 U	0.02 UJ	--	--	0.02 U	0.02 U
Benzo(g,h,i)perylene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(k)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole		1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Chrysene	0.016	0.01 U	**0.0064 J**	0.01 U	0.01 U	0.01 UJ	**0.0068 J**	0.01 U	0.01 U	0.01 U
Dibenzo(a,h)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzofuran		**0.059**	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	**0.026**	**0.037**	**0.052**
Fluoranthene	3.3	**0.011**	**0.022**	**0.012**	**0.014**	**0.013 J**	**0.025**	**0.0052 J**	**0.005 J**	0.01 U
Fluorene	3.0	**0.58**	**0.0098 J**	**0.0063 J**	0.01 U	0.01 UJ	**0.01**	**0.025**	**0.023**	**0.063**
Indeno(1,2,3-c,d)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Naphthalene	81	**0.024**	**0.017**	**0.011**	**0.022**	**0.012 J**	**0.023**	**0.13**	**0.74**	**0.37**
Phenanthrene		**0.017**	**0.013**	**0.0091 J**	**0.0074 J**	**0.0081 J**	**0.015**	**0.0072 J**	**0.011**	**0.034**
Pyrene	8	**0.012**	**0.028 J**	**0.014**	**0.016**	**0.016 J**	**0.03 J**	**0.0066 J**	**0.0079 J**	**0.0073 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	0.02	0.01 U	**0.000064 J**	0.01 U	0.01 U	0.01 UJ	**0.000068 J**	0.01 U	0.01 U	0.01 U
Total Petroleum Hydrocarbons (mg/L)										
Gasoline range hydrocarbons	0.8	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	--	--	--
Diesel range hydrocarbons	0.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--
Motor oil range hydrocarbons	0.5	**0.27**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--
Total Diesel and Motor Oil (U = 0)	0.5	**0.27**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--

Table 7-6c
Groundwater and Seep Results: PAHs and TPH

	Location ID	DSIP2-13_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311
	Depth	5.3 – 15.3 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft
	Sample ID	DSIP2-13-MW-070814	DSIP2-15-MW-010614	DSIP2-15-MW-012815	DSIP2-15-MW-041514	DSIP2-15-MW-070914	DSIP2-16-MW-010614	DSIP2-16-MW-013015	DSIP2-16-MW-041514	DSIP2-16-MW-070814
	Sample Date	7/8/2014	1/6/2014	1/28/2015	4/15/2014	7/9/2014	1/6/2014	1/30/2015	4/15/2014	7/8/2014
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267446.25	1267509.17	1267509.17	1267509.17	1267509.17	1267562.84	1267562.84	1267562.84	1267562.84
	Y	204365.45	204385.33	204385.33	204385.33	204385.33	204360.20	204360.20	204360.20	204360.20
	Screening Level									
Polycyclic Aromatic Hydrocarbons (µg/L)										
1-Methylnaphthalene		**0.011**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Methylnaphthalene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Acenaphthene	3.2	**0.29**	0.01 U	0.01 U	0.01 U	0.01 U	**0.012**	**0.014**	**0.013**	**0.013**
Acenaphthylene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	9.4	**0.0096 J**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.01**	0.01 U
Benzo(a)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b,j,k)fluoranthenes		0.02 U	--	0.02 U	0.02 U	0.02 U	--	0.02 U	0.02 U	0.02 U
Benzo(g,h,i)perylene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(k)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene	0.016	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzo(a,h)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzofuran		**0.03**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Fluoranthene	3.3	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Fluorene	3.0	**0.03**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Indeno(1,2,3-c,d)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Naphthalene	81	**0.019**	**0.0095 J**	0.01 U	0.01 U	**0.015 J**	0.01 U	0.01 U	**0.018**	0.01 U
Phenanthrene		**0.014**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Pyrene	8	**0.0052 J**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	0.02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Total Petroleum Hydrocarbons (mg/L)										
Gasoline range hydrocarbons	0.8	--	--	--	--	--	--	--	--	--
Diesel range hydrocarbons	0.5	--	--	--	--	--	--	--	--	--
Motor oil range hydrocarbons	0.5	--	--	--	--	--	--	--	--	--
Total Diesel and Motor Oil (U = 0)	0.5	--	--	--	--	--	--	--	--	--

Table 7-6c
Groundwater and Seep Results: PAHs and TPH

	Location ID	DSIP2-16_1311	DSIP2-16_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312
	Depth	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	4.8 – 14.8 ft	4.8 – 14.8 ft	4.8 – 14.8 ft
	Sample ID	DSIP2-66-MW-013015	DSIP2-66-MW-041514	DSIP2-17-MW-010714	DSIP2-17-MW-012915	DSIP2-17-MW-041714	DSIP2-17-MW-070714	DSIP2-19-MW-010714	DSIP2-19-MW-012915	DSIP2-19-MW-041414
	Sample Date	1/30/2015	4/15/2014	1/7/2014	1/29/2015	4/17/2014	7/7/2014	1/7/2014	1/29/2015	4/14/2014
	Sample Type	FD	FD	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267562.84	1267562.84	1267480.85	1267480.85	1267480.85	1267480.85	1267489.96	1267489.96	1267489.96
	Y	204360.20	204360.20	204502.28	204502.28	204502.28	204502.28	204622.78	204622.78	204622.78
	Screening Level									
Polycyclic Aromatic Hydrocarbons (µg/L)										
1-Methylnaphthalene		0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Methylnaphthalene		0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acenaphthene	3.2	**0.013**	**0.013 J**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acenaphthylene		0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	9.4	0.01 U	**0.013 J**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	0.01	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	0.01	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	0.01	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b,j,k)fluoranthenes		0.02 U	0.02 UJ	--	0.02 U	0.02 U	0.02 U	--	0.02 U	0.02 U
Benzo(g,h,i)perylene		0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(k)fluoranthene	0.01	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole		1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Chrysene	0.016	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzo(a,h)anthracene	0.01	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzofuran		0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Fluoranthene	3.3	0.01 U	0.01 UJ	0.01 U	**0.0061 J**	0.01 U	0.01 U	0.01 U	**0.0054 J**	0.01 U
Fluorene	3.0	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Indeno(1,2,3-c,d)pyrene	0.01	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Naphthalene	81	0.01 U	**0.028 J**	**0.0093 J**	0.01 U	0.01 U	**0.011**	**0.0078 J**	0.01 U	0.01 U
Phenanthrene		0.01 U	0.01 UJ	0.01 U	**0.0053 J**	0.01 U	0.01 U	**0.0081 J**	0.01 U	0.01 U
Pyrene	8	0.01 U	0.01 UJ	**0.0093 J**	**0.02**	**0.0093 J**	**0.011**	**0.0094 J**	**0.0076 J**	0.01 U
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	0.02	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Total Petroleum Hydrocarbons (mg/L)										
Gasoline range hydrocarbons	0.8	--	--	--	--	--	--	0.25 U	0.25 U	0.25 U
Diesel range hydrocarbons	0.5	--	--	--	--	--	--	0.1 U	0.1 U	0.1 U
Motor oil range hydrocarbons	0.5	--	--	--	--	--	--	0.2 U	0.2 U	**0.44**
Total Diesel and Motor Oil (U = 0)	0.5	--	--	--	--	--	--	0.2 U	0.2 U	**0.44**

Table 7-6c
Groundwater and Seep Results: PAHs and TPH

	Location ID	DSIP2-19_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312
	Depth	4.8 – 14.8 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft
	Sample ID	DSIP2-19-MW-070714	DSIP2-20-MW-010714	DSIP2-20-MW-012915	DSIP2-20-MW-041614	DSIP2-20-MW-070714	DSIP2-23-MW-010814	DSIP2-23-MW-012915	DSIP2-23-MW-041614	DSIP2-23-MW-070714
	Sample Date	7/7/2014	1/7/2014	1/29/2015	4/16/2014	7/7/2014	1/8/2014	1/29/2015	4/16/2014	7/7/2014
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267489.96	1267608.74	1267608.74	1267608.74	1267608.74	1267680.39	1267680.39	1267680.39	1267680.39
	Y	204622.78	204585.93	204585.93	204585.93	204585.93	204601.37	204601.37	204601.37	204601.37
	Screening Level									
Polycyclic Aromatic Hydrocarbons (µg/L)										
1-Methylnaphthalene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Methylnaphthalene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acenaphthene	3.2	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acenaphthylene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	9.4	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Benzo(b,j,k)fluoranthenes		0.02 U	--	0.02 U	0.02 U	0.02 U	--	0.02 U	0.02 U	0.02 U
Benzo(g,h,i)perylene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(k)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole		1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Chrysene	0.016	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzo(a,h)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzofuran		0.01 U	0.01 U	0.01 U	**0.048**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Fluoranthene	3.3	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Fluorene	3.0	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Indeno(1,2,3-c,d)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Naphthalene	81	0.01 U	**0.023**	**0.021**	0.01 U	0.01 U	0.01 U	0.01 U	**0.046**	0.01 U
Phenanthrene		0.01 U	0.01 U	0.01 U	**0.006 J**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Pyrene	8	**0.0078 J**	0.01 U	**0.0056 J**	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	0.02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Total Petroleum Hydrocarbons (mg/L)										
Gasoline range hydrocarbons	0.8	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	--	--	--	--
Diesel range hydrocarbons	0.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	--
Motor oil range hydrocarbons	0.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	--
Total Diesel and Motor Oil (U = 0)	0.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	--

Table 7-6c
Groundwater and Seep Results: PAHs and TPH

	Location ID	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311
	Depth	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft
	Sample ID	DSIP2-25-MW-010814	DSIP2-25-MW-012815	DSIP2-25-MW-041714	DSIP2-25-MW-071014	DSIP2-27-MW-010614	DSIP2-27-MW-012815	DSIP2-27-MW-041714	DSIP2-27-MW-071014	DSIP2-67-MW-010614
	Sample Date	1/8/2014	1/28/2015	4/17/2014	7/10/2014	1/6/2014	1/28/2015	4/17/2014	7/10/2014	1/6/2014
	Sample Type	N	N	N	N	N	N	N	N	FD
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267844.52	1267844.52	1267844.52	1267844.52	1267800.30	1267800.30	1267800.30	1267800.30	1267800.30
	Y	204565.36	204565.36	204565.36	204565.36	204380.32	204380.32	204380.32	204380.32	204380.32
	Screening Level									
Polycyclic Aromatic Hydrocarbons (µg/L)										
1-Methylnaphthalene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.0066 J**	0.01 U	0.01 U
2-Methylnaphthalene		0.01 U	0.01 U	0.01 U	0.01 U	**0.0054 J**	0.01 U	**0.0064 J**	0.01 U	**0.0055 J**
Acenaphthene	3.2	0.01 U	0.01 U	0.01 U	0.01 U	**0.068**	**0.066**	**0.052**	**0.052**	**0.068**
Acenaphthylene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	9.4	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	0.01	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b,j,k)fluoranthenes		--	0.02 U	0.02 U	0.02 U	--	0.02 U	0.02 U	0.02 U	--
Benzo(g,h,i)perylene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.7 J**	**0.91 J**	0.01 U	0.01 U
Benzo(k)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole		1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U
Chrysene	0.016	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzo(a,h)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzofuran		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Fluoranthene	3.3	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Fluorene	3.0	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.0058 J**	**0.0059 J**	0.01 U	0.01 U
Indeno(1,2,3-c,d)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Naphthalene	81	**0.058**	0.01 U	**0.029**	0.01 U	**0.017**	**0.008 J**	**0.024**	0.01 U	**0.015**
Phenanthrene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.0056 J**	0.01 U	0.01 U	0.01 U
Pyrene	8	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	**0.0055 J**	0.01 U	0.01 U	0.01 U
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	0.02	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Total Petroleum Hydrocarbons (mg/L)										
Gasoline range hydrocarbons	0.8	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Diesel range hydrocarbons	0.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Motor oil range hydrocarbons	0.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U
Total Diesel and Motor Oil (U = 0)	0.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U

Table 7-6c
Groundwater and Seep Results: PAHs and TPH

	Location ID	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311
	Depth	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft
	Sample ID	DSIP2-28-MW-010914	DSIP2-28-MW-012915	DSIP2-28-MW-041714	DSIP2-28-MW-070914	DSIP2-78-MW-070914	DSIP2-29-MW-010614	DSIP2-29-MW-012815	DSIP2-29-MW-041614	DSIP2-29-MW-071114
	Sample Date	1/9/2014	1/29/2015	4/17/2014	7/9/2014	7/9/2014	1/6/2014	1/28/2015	4/16/2014	7/11/2014
	Sample Type	N	N	N	N	FD	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267985.36	1267985.36	1267985.36	1267985.36	1267985.36	1267967.58	1267967.58	1267967.58	1267967.58
	Y	204392.42	204392.42	204392.42	204392.42	204392.42	204223.52	204223.52	204223.52	204223.52
	Screening Level									
Polycyclic Aromatic Hydrocarbons (µg/L)										
1-Methylnaphthalene		**0.2**	**1.3**	**0.22**	**0.16**	**0.15**	0.01 U	0.01 U	0.01 U	0.01 U
2-Methylnaphthalene		**0.0056 J**	0.01 U	**0.04**	**0.0051 J**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acenaphthene	3.2	**0.3**	**1.3**	**0.51**	**0.55**	**0.5**	**0.0074 J**	**0.018**	**0.01**	**0.013**
Acenaphthylene		**0.0074 J**	**0.027**	**0.011**	**0.011**	**0.0091 J**	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	9.4	0.01 U	**0.014**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b,j,k)fluoranthenes		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	0.02 U	0.02 U	0.02 U
Benzo(g,h,i)perylene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(k)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole		1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
Chrysene	0.016	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzo(a,h)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzofuran		**0.013**	**0.017**	**0.012**	**0.01 J**	**0.009 J**	0.01 U	**0.006 J**	0.01 U	0.01 U
Fluoranthene	3.3	0.01 U	**0.0087 J**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.012**	0.01 U
Fluorene	3.0	**0.15**	**0.29**	**0.19**	**0.18**	**0.16**	**0.0056 J**	**0.011**	**0.0086 J**	**0.009 J**
Indeno(1,2,3-c,d)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Naphthalene	81	**0.0094 J**	**0.025**	**0.039**	**0.011**	**0.0075 J**	0.01 U	**0.0098 J**	**0.041**	0.01 U
Phenanthrene		**0.0058 J**	**0.013**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Pyrene	8	0.01 U	**0.01**	0.01 U	0.01 U	0.01 U	0.01 U	**0.0053 J**	**0.011**	0.01 U
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	0.02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Total Petroleum Hydrocarbons (mg/L)										
Gasoline range hydrocarbons	0.8	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Diesel range hydrocarbons	0.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.15**	**0.13**	**0.12**
Motor oil range hydrocarbons	0.5	**0.31**	0.2 U	**0.36**	0.2 U	**0.2**	0.2 U	0.2 U	**0.37**	0.2 U
Total Diesel and Motor Oil (U = 0)	0.5	**0.31**	0.2 U	**0.36**	0.2 U	**0.2**	0.2 U	**0.15**	**0.5**	**0.12**

Table 7-6c
Groundwater and Seep Results: PAHs and TPH

	Location ID	DSIP2-29_1311	DSI-PZ-01_1401	DSI-PZ-01_1401	DSI-PZ-01_1401	DSI-PZ-01_1401	DSIP2-SP-01	DSIP2-SP-02	DSIP2-SP-02	DSIP2-SP-03
	Depth	4 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	--	--	--	--
	Sample ID	DSIP2-79-MW-012815	DSI-P2-01-070714	DSI-PZ-01-010814	DSI-PZ-01-013015	DSI-PZ-01-041414	DSIP2-SP-01-072213	DSIP2-SP-02-072213	DSIP2-SP-52-072213	DSIP2-SP-03-072213
	Sample Date	1/28/2015	7/7/2014	1/8/2014	1/30/2015	4/14/2014	7/22/2013	7/22/2013	7/22/2013	7/22/2013
	Sample Type	FD	N	N	N	N	N	N	FD	N
	Matrix	WG	WG	WG	WG	WG	WSP	WSP	WSP	WSP
	X	1267967.58	1267724.47	1267724.47	1267724.47	1267724.47	1268019.71	1268017.92	1268017.92	1268058.01
	Y	204223.52	204468.59	204468.59	204468.59	204468.59	204592.17	204545.54	204545.54	204445.78
	Screening Level									
Polycyclic Aromatic Hydrocarbons (µg/L)										
1-Methylnaphthalene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.065**	**0.064**	**0.029**
2-Methylnaphthalene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.0055 J**	**0.029**	**0.029**	**0.014**
Acenaphthene	3.2	**0.018**	**0.01**	0.01 U	**0.015**	**0.0082 J**	**0.084**	**1 J**	**0.91**	**1.4**
Acenaphthylene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.018**	**0.016**	**0.014**
Anthracene	9.4	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.0071 J**	**0.051**	**0.039**	**0.0099 J**
Benzo(a)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.0089 J**	**0.0089 J**	**0.013**
Benzo(a)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	0.01	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b,j,k)fluoranthenes		0.02 U	0.02 U	--	0.02 U	0.02 U	--	--	--	--
Benzo(g,h,i)perylene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(k)fluoranthene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene	0.016	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.013**	**0.014**	**0.0066 J**
Dibenzo(a,h)anthracene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzofuran		**0.006 J**	0.01 U	0.01 U	**0.0052 J**	0.01 U	0.005 U	**0.092**	**0.099**	**0.18**
Fluoranthene	3.3	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.11**	**0.22**	**0.21**	**0.053**
Fluorene	3.0	**0.012**	0.01 U	0.01 U	0.01 U	0.01 U	**0.0072 J**	**0.25**	**0.24**	**0.059**
Indeno(1,2,3-c,d)pyrene	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Naphthalene	81	**0.011**	**0.021**	0.01 U	0.01 U	0.01 U	**0.017**	**0.57**	**0.6**	**0.09**
Phenanthrene		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.006 J**	**0.018**	**0.019**	**0.028**
Pyrene	8	**0.0058 J**	0.01 U	0.01 UJ	0.01 U	0.01 U	**0.092**	**0.16**	**0.16**	**0.1**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	0.02	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	**0.00102 J**	**0.00103 J**	**0.001366 J**
Total Petroleum Hydrocarbons (mg/L)										
Gasoline range hydrocarbons	0.8	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	--
Diesel range hydrocarbons	0.5	**0.2**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Motor oil range hydrocarbons	0.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--
Total Diesel and Motor Oil (U = 0)	0.5	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--

Table 7-6c
Groundwater and Seep Results: PAHs and TPH

Notes:
Detected concentration is greater than the groundwater screening level
Non-detected concentration is above the groundwater screening level
Bold = Detected result
-- = not analyzed
µg/L = micrograms per liter
cPAH = carcinogenic polycyclic aromatic hydrocarbon
FD = field duplicate
ft = foot
J = estimated value
mg/L = milligrams per liter
N = normal sample
TEQ = Toxic Equivalents Quotient
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit
WG = groundwater
WSP = groundwater seep

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSI-GP-01	DSI-GP-02	DSI-GP-06	DSI-GP-07	DSI-GP-08	DSI-GP-09	DSI-GP-10	DSI-GP-11	DSI-GP-19	DSI-GP-19
	Depth	6.5 – 6.5 ft	6.5 – 6.5 ft	7.5 – 7.5 ft	7.5 – 7.5 ft	7 – 7 ft	7.5 – 7.5 ft	7 – 7 ft	8 – 8 ft	7.5 – 7.5 ft	7.5 – 7.5 ft
	Sample ID	DSI-GP-01-GW	DSI-GP-02-GW	DSI-GP-06-GW	DSI-GP-07-GW	DSI-GP-08-GW	DSI-GP-09-GW	DSI-GP-10-GW	DSI-GP-11-GW	DSI-GP-19-GW	DSI-GP-69-GW
	Sample Date	7/15/2009	7/15/2009	7/14/2009	7/14/2009	7/16/2009	7/16/2009	7/16/2009	7/14/2009	7/16/2009	7/16/2009
	Sample Type	N	N	N	N	N	N	N	N	N	FD
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267444.94	1267499.15	1267588.58	1267662.08	1267860.11	1267877.01	1267792.87	1267873.09	1267668.90	1267668.90
	Y	204366.80	204352.94	204506.76	204563.53	204436.11	204409.65	204451.34	204484.40	204346.90	204346.90
	Screening Level										
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	0.5	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2-Dichlorobenzene	5.6	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,4-Dichlorobenzene	4.8	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2,2'-Oxybis (1-chloropropane)	10.3	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	600	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	3	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	10	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	6.3	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ
2,4-Dinitrophenol	100	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	3	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	100	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	17	--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	27	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Nitroaniline		--	--	--	--	--	--	--	--	--	--
2-Nitrophenol		--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	5	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	36	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline		--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Methylphenol (p-Cresol)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Nitrophenol		--	--	--	--	--	--	--	--	--	--
Benzoic acid	1058	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Benzyl alcohol		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	1	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Butylbenzyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dimethyl phthalate	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSI-GP-01	DSI-GP-02	DSI-GP-06	DSI-GP-07	DSI-GP-08	DSI-GP-09	DSI-GP-10	DSI-GP-11	DSI-GP-19	DSI-GP-19
	Depth	6.5 – 6.5 ft	6.5 – 6.5 ft	7.5 – 7.5 ft	7.5 – 7.5 ft	7 – 7 ft	7.5 – 7.5 ft	7 – 7 ft	8 – 8 ft	7.5 – 7.5 ft	7.5 – 7.5 ft
	Sample ID	DSI-GP-01-GW	DSI-GP-02-GW	DSI-GP-06-GW	DSI-GP-07-GW	DSI-GP-08-GW	DSI-GP-09-GW	DSI-GP-10-GW	DSI-GP-11-GW	DSI-GP-19-GW	DSI-GP-69-GW
	Sample Date	7/15/2009	7/15/2009	7/14/2009	7/14/2009	7/16/2009	7/16/2009	7/16/2009	7/14/2009	7/16/2009	7/16/2009
	Sample Type	N	N	N	N	N	N	N	N	N	FD
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267444.94	1267499.15	1267588.58	1267662.08	1267860.11	1267877.01	1267792.87	1267873.09	1267668.90	1267668.90
	Y	204366.80	204352.94	204506.76	204563.53	204436.11	204409.65	204451.34	204484.40	204346.90	204346.90
	Screening Level										
Hexachlorocyclopentadiene	5	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	2	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Isophorone	110	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	100	--	--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine	1	--	--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine	1	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Pentachlorophenol	10	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Phenol	365	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSI-GP-20	DSI-GP-21	DSI-MW-01	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-03
	Depth	7.5 – 7.5 ft	7.5 – 7.5 ft	4.6 – 14.5 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	29.85 – 39.75 ft
	Sample ID	DSI-GP-20-GW	DSI-GP-21-GW	DSI-MW-01-072209	DSI-MW-02-010714	DSI-MW-02-012915	DSI-MW-02-041814	DSI-MW-02-070714	DSI-MW-02-072209	DSI-MW-03-072909
	Sample Date	7/15/2009	7/16/2009	7/22/2009	1/7/2014	1/29/2015	4/18/2014	7/7/2014	7/22/2009	7/29/2009
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267785.57	1267891.80	1267511.08	1267537.85	1267537.85	1267537.85	1267537.85	1267537.85	1267731.36
	Y	204370.10	204378.83	204376.69	204619.49	204619.49	204619.49	204619.49	204619.49	204467.03
	Screening Level									
Semivolatile Organics (µg/L)										
1,2,4-Trichlorobenzene	0.5	1 UJ	1 UJ	1 UJ	--	--	--	--	1 UJ	1 UJ
1,2-Dichlorobenzene	5.6	1 UJ	1 UJ	1 UJ	--	--	--	--	1 UJ	1 UJ
1,4-Dichlorobenzene	4.8	1 UJ	1 UJ	1 UJ	--	--	--	--	1 UJ	1 UJ
2,2'-Oxybis (1-chloropropane)	10.3	--	--	--	1 UJ	1 UJ	1 UJ	1 UJ	--	--
2,3,4,6-Tetrachlorophenol		--	--	--	1 U	1 U	1 U	1 U	--	--
2,4,5-Trichlorophenol	600	--	--	--	5 U	5 U	5 U	5 U	--	--
2,4,6-Trichlorophenol	3	--	--	--	3 U	3 U	3 U	3 U	--	--
2,4-Dichlorophenol	10	--	--	--	3 U	3 U	3 U	3 U	--	--
2,4-Dimethylphenol	6.3	1 U	1 UJ	1 U	3 U	3 U	3 UJ	3 UJ	1 U	1 U
2,4-Dinitrophenol	100	--	--	--	20 U	20 U	20 U	20 UJ	--	--
2,4-Dinitrotoluene	3	--	--	--	3 U	3 U	3 U	3 U	--	--
2,6-Dinitrotoluene		--	--	--	3 U	3 U	3 U	3 U	--	--
2-Chloronaphthalene	100	--	--	--	1 U	1 U	1 UJ	1 UJ	--	--
2-Chlorophenol	17	--	--	--	1 U	1 U	1 U	1 UJ	--	--
2-Methylphenol (o-Cresol)	27	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
2-Nitroaniline		--	--	--	3 U	3 U	3 U	3 UJ	--	--
2-Nitrophenol		--	--	--	3 U	3 U	3 U	3 U	--	--
3,3'-Dichlorobenzidine	5	--	--	--	5 UJ	5 U	5 UJ	-- **R**	--	--
3-Nitroaniline		--	--	--	3 U	3 U	3 U	3 U	--	--
4-Bromophenyl-phenyl ether		--	--	--	1 U	1 U	1 U	1 U	--	--
4-Chloro-3-methylphenol	36	--	--	--	3 U	3 U	3 U	3 U	--	--
4-Chloroaniline		--	--	--	5 U	5 UJ	5 U	5 UJ	--	--
4-Chlorophenyl phenyl ether		--	--	--	1 U	1 U	1 U	1 U	--	--
4-Methylphenol (p-Cresol)		1 U	1 U	1 U	2 U	2 U	2 U	2 UJ	1 U	1 U
4-Nitroaniline		--	--	--	3 U	3 U	3 U	3 UJ	--	--
4-Nitrophenol		--	--	--	10 U	10 U	10 U	10 U	--	--
Benzoic acid	1058	10 U	10 UJ	10 U	20 U	20 U	20 U	20 UJ	10 U	10 U
Benzyl alcohol		5 U	5 U	5 U	2 U	2 U	2 U	2 UJ	5 U	5 U
bis(2-Chloroethoxy)methane		--	--	--	1 U	1 U	1 U	1 UJ	--	--
bis(2-Chloroethyl)ether	1	--	--	--	1 U	1 UJ	1 U	1 UJ	--	--
bis(2-Ethylhexyl)phthalate	3	1 U	1 U	1 U	3 U	3 U	3 U	3 U	1 U	1 U
Butylbenzyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dimethyl phthalate	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	10 U	10 U	10 U	10 U	--	--
Di-n-octyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.1	1 U	1 U	1 U	--	--	--	--	1 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	1 UJ	1 UJ	1 UJ	--	--	--	--	1 UJ	1 UJ

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSI-GP-20	DSI-GP-21	DSI-MW-01	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-03
	Depth	7.5 – 7.5 ft	7.5 – 7.5 ft	4.6 – 14.5 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	29.85 – 39.75 ft
	Sample ID	DSI-GP-20-GW	DSI-GP-21-GW	DSI-MW-01-072209	DSI-MW-02-010714	DSI-MW-02-012915	DSI-MW-02-041814	DSI-MW-02-070714	DSI-MW-02-072209	DSI-MW-03-072909
	Sample Date	7/15/2009	7/16/2009	7/22/2009	1/7/2014	1/29/2015	4/18/2014	7/7/2014	7/22/2009	7/29/2009
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267785.57	1267891.80	1267511.08	1267537.85	1267537.85	1267537.85	1267537.85	1267537.85	1267731.36
	Y	204370.10	204378.83	204376.69	204619.49	204619.49	204619.49	204619.49	204619.49	204467.03
	Screening Level									
Hexachlorocyclopentadiene	5	--	--	--	5 U	5 UJ	5 UJ	5 UJ	--	--
Hexachloroethane	2	1 UJ	1 UJ	1 UJ	2 UJ	2 UJ	2 UJ	2 UJ	1 UJ	1 UJ
Isophorone	110	--	--	--	1 U	1 UJ	1 U	1 U	--	--
Nitrobenzene	100	--	--	--	1 U	1 UJ	1 U	1 UJ	--	--
n-Nitrosodi-n-propylamine	1	--	--	--	1 U	1 UJ	1 U	1 UJ	--	--
n-Nitrosodiphenylamine	1	1 UJ	1 UJ	1 UJ	1 U	1 U	1 UJ	1 UJ	1 UJ	1 U
Pentachlorophenol	10	5 UJ	5 UJ	5 U	10 U	10 U	10 U	10 U	5 U	5 U
Phenol	365	1 U	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-05
	Depth	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft
	Sample ID	DSI-MW-04-011014	DSI-MW-04-012915	DSI-MW-04-041514	DSI-MW-04-070914	DSI-MW-04-072309	DSI-MW-05-010814	DSI-MW-05-012815	DSI-MW-05-041514	DSI-MW-05-071014
	Sample Date	1/10/2014	1/29/2015	4/15/2014	7/9/2014	7/23/2009	1/8/2014	1/28/2015	4/15/2014	7/10/2014
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267894.98	1267894.98	1267894.98	1267894.98	1267894.98	1267969.75	1267969.75	1267969.75	1267969.75
	Y	204416.16	204416.16	204416.16	204416.16	204416.16	204575.21	204575.21	204575.21	204575.21
	Screening Level									
Semivolatile Organics (µg/L)										
1,2,4-Trichlorobenzene	0.5	--	--	--	--	1 UJ	--	1 UJ	--	--
1,2-Dichlorobenzene	5.6	--	--	--	--	1 UJ	--	--	--	--
1,4-Dichlorobenzene	4.8	--	--	--	--	1 UJ	--	--	--	--
2,2'-Oxybis (1-chloropropane)	10.3	1 UJ	1 UJ	1 UJ	1 UJ	--	1 UJ	1 UJ	1 UJ	1 UJ
2,3,4,6-Tetrachlorophenol		1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	600	5 U	5 U	5 U	5 U	--	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	3	3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
2,4-Dichlorophenol	10	3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
2,4-Dimethylphenol	6.3	3 U	3 U	3 UJ	3 UJ	1 U	3 U	3 U	3 UJ	3 UJ
2,4-Dinitrophenol	100	20 U	20 U	20 U	20 U	--	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	3	3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
2,6-Dinitrotoluene		3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
2-Chloronaphthalene	100	1 U	1 U	1 U	1 UJ	--	1 U	1 U	1 U	1 UJ
2-Chlorophenol	17	1 U	1 U	1 U	1 UJ	--	1 U	1 U	1 U	1 UJ
2-Methylphenol (o-Cresol)	27	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 UJ	1 U	1 UJ
2-Nitroaniline		3 U	3 U	3 U	3 UJ	--	3 U	3 U	3 U	3 UJ
2-Nitrophenol		3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
3,3'-Dichlorobenzidine	5	5 UJ	5 U	5 UJ	5 UJ	--	5 UJ	5 U	5 UJ	5 UJ
3-Nitroaniline		3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
4-Bromophenyl-phenyl ether		1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	36	3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
4-Chloroaniline		5 U	5 UJ	5 UJ	5 U	--	5 U	5 U	5 UJ	5 U
4-Chlorophenyl phenyl ether		1 U	1 U	1 U	1 UJ	--	1 U	1 U	1 U	1 UJ
4-Methylphenol (p-Cresol)		2 U	2 U	2 U	2 UJ	1 U	2 U	2 U	2 U	2 UJ
4-Nitroaniline		3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
4-Nitrophenol		10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U
Benzoic acid	1058	20 UJ	20 U	20 U	20 UJ	10 U	20 UJ	20 UJ	20 U	20 UJ
Benzyl alcohol		2 U	2 U	2 U	2 UJ	5 U	2 UJ	2 U	2 U	2 UJ
bis(2-Chloroethoxy)methane		1 U	1 U	1 U	1 UJ	--	1 UJ	1 UJ	1 U	1 UJ
bis(2-Chloroethyl)ether	1	1 U	1 UJ	1 U	1 UJ	--	1 UJ	1 UJ	1 U	1 UJ
bis(2-Ethylhexyl)phthalate	3	3 U	3 U	3 U	3 U	1 U	3 U	3 U	3 U	3 U
Butylbenzyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	200	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ
Dimethyl phthalate	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.1	--	--	--	--	1 U	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	--	1 UJ	--	--	--	--

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-05
	Depth	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft
	Sample ID	DSI-MW-04-011014	DSI-MW-04-012915	DSI-MW-04-041514	DSI-MW-04-070914	DSI-MW-04-072309	DSI-MW-05-010814	DSI-MW-05-012815	DSI-MW-05-041514	DSI-MW-05-071014
	Sample Date	1/10/2014	1/29/2015	4/15/2014	7/9/2014	7/23/2009	1/8/2014	1/28/2015	4/15/2014	7/10/2014
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267894.98	1267894.98	1267894.98	1267894.98	1267894.98	1267969.75	1267969.75	1267969.75	1267969.75
	Y	204416.16	204416.16	204416.16	204416.16	204416.16	204575.21	204575.21	204575.21	204575.21
	Screening Level									
Hexachlorocyclopentadiene	5	5 UJ	5 UJ	5 UJ	5 UJ	--	5 UJ	5 UJ	5 UJ	5 UJ
Hexachloroethane	2	2 UJ	2 UJ	2 UJ	2 UJ	1 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Isophorone	110	1 U	1 UJ	1 U	1 UJ	--	1 U	1 UJ	1 U	1 UJ
Nitrobenzene	100	1 U	1 UJ	1 U	1 UJ	--	1 U	1 UJ	1 U	1 UJ
n-Nitrosodi-n-propylamine	1	1 U	1 UJ	1 U	1 UJ	--	1 UJ	1 UJ	1 U	1 UJ
n-Nitrosodiphenylamine	1	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 UJ	1 U	1 UJ
Pentachlorophenol	10	10 U	10 U	10 U	10 U	5 U	10 UJ	10 U	10 U	10 U
Phenol	365	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 UJ	1 U	1 UJ

Table 7-6d
Groundwater and Seep Results: SVOCs

		Location ID	DSI-MW-05	DSI-MW-05	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-07	DSI-MW-07
		Depth	5.5 – 15.2 ft	5.5 – 15.2 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	30.4 – 40 ft	30.4 – 40 ft
		Sample ID	DSI-MW-05-072909	DSI-MW-55-072909	DSI-MW-06-010714	DSI-MW-06-012915	DSI-MW-06-041414	DSI-MW-06-070814	DSI-MW-06-072909	DSI-MW-07-010614	DSI-MW-07-012915
		Sample Date	7/29/2009	7/29/2009	1/7/2014	1/29/2015	4/14/2014	7/8/2014	7/29/2009	1/6/2014	1/29/2015
		Sample Type	N	FD	N	N	N	N	N	N	N
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
		X	1267969.75	1267969.75	1267953.29	1267953.29	1267953.29	1267953.29	1267953.29	1267953.32	1267953.32
		Y	204575.21	204575.21	204456.31	204456.31	204456.31	204456.31	204456.31	204463.39	204463.39
	Screening Level										
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	0.5		1 UJ	1 UJ	--	--	--	--	1 UJ	--	--
1,2-Dichlorobenzene	5.6		1 UJ	1 UJ	--	--	--	--	1 UJ	--	--
1,4-Dichlorobenzene	4.8		1 UJ	1 UJ	--	--	--	--	1 UJ	--	--
2,2'-Oxybis (1-chloropropane)	10.3		--	--	1 UJ	1 UJ	1 UJ	1 UJ	--	1 UJ	1 UJ
2,3,4,6-Tetrachlorophenol			--	--	1 U	1 U	1 U	1 U	--	1 U	1 U
2,4,5-Trichlorophenol	600		--	--	5 U	5 U	5 U	5 U	--	5 U	5 U
2,4,6-Trichlorophenol	3		--	--	3 U	3 U	3 U	3 U	--	3 U	3 U
2,4-Dichlorophenol	10		--	--	3 U	3 U	3 U	3 U	--	3 U	3 U
2,4-Dimethylphenol	6.3		1 U	1 U	3 U	3 U	3 UJ	3 UJ	1 U	3 U	3 U
2,4-Dinitrophenol	100		--	--	20 U	20 U	20 U	20 UJ	--	20 U	20 U
2,4-Dinitrotoluene	3		--	--	3 U	3 U	3 U	3 U	--	3 U	3 U
2,6-Dinitrotoluene			--	--	3 U	3 U	3 U	3 U	--	3 U	3 U
2-Chloronaphthalene	100		--	--	1 U	1 U	1 U	1 UJ	--	1 U	1 U
2-Chlorophenol	17		--	--	1 U	1 U	1 U	1 UJ	--	1 U	1 U
2-Methylphenol (o-Cresol)	27		1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
2-Nitroaniline			--	--	3 U	3 U	3 U	3 U	--	3 U	3 U
2-Nitrophenol			--	--	3 U	3 U	3 U	3 U	--	3 U	3 U
3,3'-Dichlorobenzidine	5		--	--	5 UJ	5 U	5 UJ	5 U	--	5 UJ	5 U
3-Nitroaniline			--	--	3 U	3 U	3 U	3 U	--	3 U	3 U
4-Bromophenyl-phenyl ether			--	--	1 U	1 U	1 U	1 U	--	1 U	1 U
4-Chloro-3-methylphenol	36		--	--	3 U	3 U	3 U	3 U	--	3 U	3 U
4-Chloroaniline			--	--	5 U	5 UJ	5 UJ	5 U	--	5 U	5 UJ
4-Chlorophenyl phenyl ether			--	--	1 U	1 U	1 U	1 U	--	1 U	1 U
4-Methylphenol (p-Cresol)			1 U	1 U	2 U	2 U	2 U	2 UJ	1 U	2 U	2 U
4-Nitroaniline			--	--	3 U	3 U	3 U	3 U	--	3 U	3 U
4-Nitrophenol			--	--	10 U	10 U	10 U	10 U	--	10 U	10 U
Benzoic acid	1058		10 U	10 U	20 U	20 U	20 U	20 UJ	10 U	20 U	20 U
Benzyl alcohol			5 U	5 U	2 U	2 U	2 U	2 U	5 U	2 U	2 U
bis(2-Chloroethoxy)methane			--	--	1 U	1 U	1 U	1 UJ	--	1 U	1 U
bis(2-Chloroethyl)ether	1		--	--	1 U	1 UJ	1 U	1 UJ	--	1 U	1 UJ
bis(2-Ethylhexyl)phthalate	3		1 U	1 U	3 U	3 U	3 U	3 U	1 U	3 U	3 U
Butylbenzyl phthalate	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	200		1 U	1 U	1 U	**0.6 J**	1 U	1 U	1 U	1 U	1 U
Dimethyl phthalate	600		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	8		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)			--	--	10 U	10 U	10 U	10 U	--	10 U	10 U
Di-n-octyl phthalate	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.1		1 U	1 U	--	--	--	--	1 U	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1		1 UJ	1 UJ	--	--	--	--	1 UJ	--	--

Table 7-6d
Groundwater and Seep Results: SVOCs

		Location ID	DSI-MW-05	DSI-MW-05	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-07	DSI-MW-07
		Depth	5.5 – 15.2 ft	5.5 – 15.2 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	30.4 – 40 ft	30.4 – 40 ft
		Sample ID	DSI-MW-05-072909	DSI-MW-55-072909	DSI-MW-06-010714	DSI-MW-06-012915	DSI-MW-06-041414	DSI-MW-06-070814	DSI-MW-06-072909	DSI-MW-07-010614	DSI-MW-07-012915
		Sample Date	7/29/2009	7/29/2009	1/7/2014	1/29/2015	4/14/2014	7/8/2014	7/29/2009	1/6/2014	1/29/2015
		Sample Type	N	FD	N	N	N	N	N	N	N
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
		X	1267969.75	1267969.75	1267953.29	1267953.29	1267953.29	1267953.29	1267953.29	1267953.32	1267953.32
		Y	204575.21	204575.21	204456.31	204456.31	204456.31	204456.31	204456.31	204463.39	204463.39
	Screening Level										
Hexachlorocyclopentadiene	5		--	--	5 U	5 UJ	5 UJ	5 UJ	--	5 U	5 UJ
Hexachloroethane	2		1 UJ	1 UJ	2 UJ	2 UJ	2 UJ	2 UJ	1 UJ	2 UJ	2 UJ
Isophorone	110		--	--	1 U	1 UJ	1 U	1 U	--	1 U	1 UJ
Nitrobenzene	100		--	--	1 U	1 UJ	1 U	1 UJ	--	1 U	1 UJ
n-Nitrosodi-n-propylamine	1		--	--	1 U	1 UJ	1 U	1 UJ	--	1 U	1 UJ
n-Nitrosodiphenylamine	1		1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Pentachlorophenol	10		5 U	5 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U
Phenol	365		1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 UJ

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08
	Depth	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft
	Sample ID	DSI-MW-07-041514	DSI-MW-07-070814	DSI-MW-07-072409	DSI-MW-08-010914	DSI-MW-08-012915	DSI-MW-08-041714	DSI-MW-08-070814	DSI-MW-08-072809	DSI-MW-58-070814
	Sample Date	4/15/2014	7/8/2014	7/24/2009	1/9/2014	1/29/2015	4/17/2014	7/8/2014	7/28/2009	7/8/2014
	Sample Type	N	N	N	N	N	N	N	N	FD
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267953.32	1267953.32	1267953.32	1267967.62	1267967.62	1267967.62	1267967.62	1267967.62	1267967.62
	Y	204463.39	204463.39	204463.39	204366.34	204366.34	204366.34	204366.34	204366.34	204366.34
	Screening Level									
Semivolatile Organics (µg/L)										
1,2,4-Trichlorobenzene	0.5	--	--	1 UJ	--	--	--	--	1 UJ	--
1,2-Dichlorobenzene	5.6	--	--	1 UJ	--	--	--	--	1 UJ	--
1,4-Dichlorobenzene	4.8	--	--	1 UJ	--	--	--	--	1 UJ	--
2,2'-Oxybis (1-chloropropane)	10.3	1 UJ	1 UJ	--	1 UJ	1 UJ	1 UJ	1 UJ	--	1 UJ
2,3,4,6-Tetrachlorophenol		1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U
2,4,5-Trichlorophenol	600	5 U	5 U	--	5 U	5 U	5 U	5 U	--	5 U
2,4,6-Trichlorophenol	3	3 U	3 U	--	3 U	3 U	3 U	3 U	--	3 U
2,4-Dichlorophenol	10	3 U	3 U	--	3 U	3 U	3 U	3 U	--	3 U
2,4-Dimethylphenol	6.3	3 UJ	3 UJ	1 U	3 U	3 U	3 UJ	3 UJ	1 U	3 UJ
2,4-Dinitrophenol	100	20 U	20 UJ	--	20 U	20 U	20 U	20 UJ	--	20 UJ
2,4-Dinitrotoluene	3	3 U	3 U	--	3 U	3 U	3 U	3 U	--	3 U
2,6-Dinitrotoluene		3 U	3 U	--	3 U	3 U	3 U	3 U	--	3 U
2-Chloronaphthalene	100	1 U	1 UJ	--	1 U	1 U	1 UJ	1 UJ	--	1 UJ
2-Chlorophenol	17	1 U	1 UJ	--	1 U	1 U	1 U	1 UJ	--	1 UJ
2-Methylphenol (o-Cresol)	27	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 UJ	1 U	1 UJ
2-Nitroaniline		3 U	3 U	--	3 U	3 U	3 U	3 U	--	3 U
2-Nitrophenol		3 U	3 U	--	3 U	3 U	3 U	3 U	--	3 U
3,3'-Dichlorobenzidine	5	5 UJ	5 U	--	5 UJ	5 U	5 UJ	5 U	--	5 U
3-Nitroaniline		3 U	3 U	--	3 U	3 U	3 U	3 U	--	3 U
4-Bromophenyl-phenyl ether		1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U
4-Chloro-3-methylphenol	36	3 U	3 U	--	3 U	3 U	3 U	3 U	--	3 U
4-Chloroaniline		5 UJ	5 U	--	5 U	5 UJ	5 U	5 U	--	5 U
4-Chlorophenyl phenyl ether		1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U
4-Methylphenol (p-Cresol)		2 U	**2.2 J**	1 U	2 U	2 U	2 U	2 UJ	1 U	2 UJ
4-Nitroaniline		3 U	3 U	--	3 U	3 U	3 U	3 U	--	3 U
4-Nitrophenol		10 U	10 U	--	10 U	10 U	10 U	10 U	--	10 U
Benzoic acid	1058	20 U	20 UJ	10 U	20 U	20 U	20 U	20 UJ	10 U	20 UJ
Benzyl alcohol		2 U	2 U	5 U	2 UJ	2 U	2 U	2 U	5 U	2 U
bis(2-Chloroethoxy)methane		1 U	1 UJ	--	1 UJ	1 U	1 U	1 UJ	--	1 UJ
bis(2-Chloroethyl)ether	1	1 U	1 UJ	--	1 UJ	1 UJ	1 U	1 UJ	--	1 UJ
bis(2-Ethylhexyl)phthalate	3	3 U	3 U	1 U	3 U	3 U	3 U	3 U	1 U	3 U
Butylbenzyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dimethyl phthalate	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		10 U	10 U	--	10 U	10 U	10 U	10 U	--	10 U
Di-n-octyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.1	--	--	1 U	--	--	--	--	1 U	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	1 UJ	--	--	--	--	1 UJ	--

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08
	Depth	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft
	Sample ID	DSI-MW-07-041514	DSI-MW-07-070814	DSI-MW-07-072409	DSI-MW-08-010914	DSI-MW-08-012915	DSI-MW-08-041714	DSI-MW-08-070814	DSI-MW-08-072809	DSI-MW-58-070814
	Sample Date	4/15/2014	7/8/2014	7/24/2009	1/9/2014	1/29/2015	4/17/2014	7/8/2014	7/28/2009	7/8/2014
	Sample Type	N	N	N	N	N	N	N	N	FD
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267953.32	1267953.32	1267953.32	1267967.62	1267967.62	1267967.62	1267967.62	1267967.62	1267967.62
	Y	204463.39	204463.39	204463.39	204366.34	204366.34	204366.34	204366.34	204366.34	204366.34
	Screening Level									
Hexachlorocyclopentadiene	5	5 UJ	5 UJ	--	5 UJ	5 UJ	5 UJ	5 UJ	--	5 UJ
Hexachloroethane	2	2 UJ	2 UJ	1 UJ	2 UJ	2 UJ	2 UJ	2 UJ	1 UJ	2 UJ
Isophorone	110	1 U	1 U	--	1 U	1 UJ	1 U	1 U	--	1 U
Nitrobenzene	100	1 U	1 UJ	--	1 U	1 UJ	1 U	1 UJ	--	1 UJ
n-Nitrosodi-n-propylamine	1	1 U	1 UJ	--	1 UJ	1 UJ	1 U	1 UJ	--	1 UJ
n-Nitrosodiphenylamine	1	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ	1 U	1 UJ
Pentachlorophenol	10	10 U	10 U	5 U	10 U	10 U	10 U	10 U	5 U	10 U
Phenol	365	1 U	**0.97 J**	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSI-MW-10
	Depth	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft
	Sample ID	DSI-MW-09-010914	DSI-MW-09-012915	DSI-MW-09-04142014	DSI-MW-09-070914	DSI-MW-09-072809	DSI-MW-10-010914	DSI-MW-10-012915	DSI-MW-10-041614	DSI-MW-10-071114
	Sample Date	1/9/2014	1/29/2015	4/14/2014	7/9/2014	7/28/2009	1/9/2014	1/29/2015	4/16/2014	7/11/2014
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267963.77	1267963.77	1267963.77	1267963.77	1267963.77	1267964.60	1267964.60	1267964.60	1267964.60
	Y	204267.40	204267.40	204267.40	204267.40	204267.40	204275.46	204275.46	204275.46	204275.46
	Screening Level									
Semivolatile Organics (µg/L)										
1,2,4-Trichlorobenzene	0.5	--	--	--	--	1 UJ	--	--	--	--
1,2-Dichlorobenzene	5.6	--	--	--	--	1 UJ	--	--	--	--
1,4-Dichlorobenzene	4.8	--	--	--	--	1 UJ	--	--	--	--
2,2'-Oxybis (1-chloropropane)	10.3	1 UJ	1 UJ	1 UJ	1 UJ	--	1 UJ	1 UJ	1 UJ	1 UJ
2,3,4,6-Tetrachlorophenol		1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	600	5 U	5 U	5 U	5 U	--	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	3	3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
2,4-Dichlorophenol	10	3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
2,4-Dimethylphenol	6.3	3 U	3 U	3 UJ	3 UJ	1 U	3 U	3 U	3 UJ	3 UJ
2,4-Dinitrophenol	100	20 U	20 U	20 U	20 U	--	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	3	3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
2,6-Dinitrotoluene		3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
2-Chloronaphthalene	100	1 U	1 U	1 U	1 UJ	--	1 U	1 U	1 UJ	1 UJ
2-Chlorophenol	17	1 U	1 U	1 U	1 UJ	--	1 U	1 U	1 U	1 UJ
2-Methylphenol (o-Cresol)	27	1 UJ	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 UJ
2-Nitroaniline		3 U	3 U	3 U	3 UJ	--	3 U	3 U	3 U	3 UJ
2-Nitrophenol		3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
3,3'-Dichlorobenzidine	5	5 UJ	5 U	5 UJ	5 UJ	--	5 UJ	5 U	5 UJ	5 UJ
3-Nitroaniline		3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
4-Bromophenyl-phenyl ether		1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	36	3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
4-Chloroaniline		5 U	5 UJ	5 UJ	5 U	--	5 U	5 UJ	5 U	5 U
4-Chlorophenyl phenyl ether		1 U	1 U	1 U	1 UJ	--	1 U	1 U	1 U	1 UJ
4-Methylphenol (p-Cresol)		2 U	2 U	2 U	2 UJ	1 U	2 U	2 U	2 U	2 UJ
4-Nitroaniline		3 U	3 U	3 U	3 U	--	3 U	3 U	3 U	3 U
4-Nitrophenol		10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U
Benzoic acid	1058	20 U	20 U	20 U	20 UJ	10 U	20 U	20 U	20 U	20 UJ
Benzyl alcohol		2 UJ	2 U	2 U	2 UJ	5 U	2 UJ	2 U	2 U	2 UJ
bis(2-Chloroethoxy)methane		1 UJ	1 U	1 U	1 UJ	--	1 UJ	1 U	1 U	1 UJ
bis(2-Chloroethyl)ether	1	1 UJ	1 UJ	1 U	1 UJ	--	1 UJ	1 UJ	1 U	1 UJ
bis(2-Ethylhexyl)phthalate	3	3 U	3 U	3 U	3 U	1 U	3 U	3 U	3 U	3 U
Butylbenzyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	200	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ
Dimethyl phthalate	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.1	--	--	--	--	1 U	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	--	1 UJ	--	--	--	--

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSI-MW-10
	Depth	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft
	Sample ID	DSI-MW-09-010914	DSI-MW-09-012915	DSI-MW-09-04142014	DSI-MW-09-070914	DSI-MW-09-072809	DSI-MW-10-010914	DSI-MW-10-012915	DSI-MW-10-041614	DSI-MW-10-071114
	Sample Date	1/9/2014	1/29/2015	4/14/2014	7/9/2014	7/28/2009	1/9/2014	1/29/2015	4/16/2014	7/11/2014
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267963.77	1267963.77	1267963.77	1267963.77	1267963.77	1267964.60	1267964.60	1267964.60	1267964.60
	Y	204267.40	204267.40	204267.40	204267.40	204267.40	204275.46	204275.46	204275.46	204275.46
	Screening Level									
Hexachlorocyclopentadiene	5	5 UJ	5 UJ	5 UJ	5 UJ	--	5 UJ	5 UJ	5 UJ	5 UJ
Hexachloroethane	2	2 UJ	2 UJ	2 UJ	2 UJ	1 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Isophorone	110	1 U	1 UJ	1 U	1 UJ	--	1 U	1 UJ	1 U	1 UJ
Nitrobenzene	100	1 U	1 UJ	1 U	1 UJ	--	1 U	1 UJ	1 U	1 UJ
n-Nitrosodi-n-propylamine	1	1 UJ	1 UJ	1 U	1 UJ	--	1 UJ	1 UJ	1 U	1 UJ
n-Nitrosodiphenylamine	1	1 UJ	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ
Pentachlorophenol	10	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U
Phenol	365	**2**	**0.9 J**	**1.5**	**3.1 J**	**2.7**	1 U	1 UJ	1 U	1 UJ

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSI-MW-10	DSI-MW-10	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-06_1311	DSIP2-06_1311
	Depth	30.9 – 40.7 ft	30.9 – 40.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5 – 15 ft	5 – 15 ft
	Sample ID	DSI-MW-10-072809	DSI-MW-60-041614	DSIP2-02-MW-010714	DSIP2-02-MW-012815	DSIP2-02-MW-041614	DSIP2-02-MW-070914	DSIP2-06-MW-010814	DSIP2-06-MW-012815
	Sample Date	7/28/2009	4/16/2014	1/7/2014	1/28/2015	4/16/2014	7/9/2014	1/8/2014	1/28/2015
	Sample Type	N	FD	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267964.60	1267964.60	1267562.38	1267562.38	1267562.38	1267562.38	1267821.70	1267821.70
	Y	204275.46	204275.46	204456.85	204456.85	204456.85	204456.85	204456.60	204456.60
	Screening Level								
Semivolatile Organics (µg/L)									
1,2,4-Trichlorobenzene	0.5	1 UJ	--	--	1 UJ	--	--	--	1 UJ
1,2-Dichlorobenzene	5.6	1 UJ	--	--	--	--	--	--	--
1,4-Dichlorobenzene	4.8	1 UJ	--	--	--	--	--	--	--
2,2'-Oxybis (1-chloropropane)	10.3	--	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2,3,4,6-Tetrachlorophenol		--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	600	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	3	--	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dichlorophenol	10	--	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dimethylphenol	6.3	1 U	3 UJ	3 U	3 U	3 UJ	3 UJ	3 U	3 U
2,4-Dinitrophenol	100	--	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	3	--	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,6-Dinitrotoluene		--	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2-Chloronaphthalene	100	--	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U
2-Chlorophenol	17	--	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
2-Methylphenol (o-Cresol)	27	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 UJ	1 UJ
2-Nitroaniline		--	3 U	3 U	3 U	3 U	3 UJ	3 U	3 U
2-Nitrophenol		--	3 U	3 U	3 U	3 U	3 U	3 U	3 U
3,3'-Dichlorobenzidine	5	--	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ	5 U
3-Nitroaniline		--	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Bromophenyl-phenyl ether		--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	36	--	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Chloroaniline		--	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether		--	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
4-Methylphenol (p-Cresol)		1 U	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U
4-Nitroaniline		--	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Nitrophenol		--	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	1058	10 U	20 U	20 U	20 U	20 U	20 UJ	20 UJ	20 U
Benzyl alcohol		5 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ	2 U
bis(2-Chloroethoxy)methane		--	1 U	1 U	1 UJ	1 U	1 UJ	1 UJ	1 UJ
bis(2-Chloroethyl)ether	1	--	1 U	1 U	1 UJ	1 U	1 UJ	1 UJ	1 UJ
bis(2-Ethylhexyl)phthalate	3	1 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Butylbenzyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	200	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Dimethyl phthalate	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.1	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	1 UJ	--	--	--	--	--	--	--

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSI-MW-10	DSI-MW-10	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-06_1311	DSIP2-06_1311
	Depth	30.9 – 40.7 ft	30.9 – 40.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5 – 15 ft	5 – 15 ft
	Sample ID	DSI-MW-10-072809	DSI-MW-60-041614	DSIP2-02-MW-010714	DSIP2-02-MW-012815	DSIP2-02-MW-041614	DSIP2-02-MW-070914	DSIP2-06-MW-010814	DSIP2-06-MW-012815
	Sample Date	7/28/2009	4/16/2014	1/7/2014	1/28/2015	4/16/2014	7/9/2014	1/8/2014	1/28/2015
	Sample Type	N	FD	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267964.60	1267964.60	1267562.38	1267562.38	1267562.38	1267562.38	1267821.70	1267821.70
	Y	204275.46	204275.46	204456.85	204456.85	204456.85	204456.85	204456.60	204456.60
	Screening Level								
Hexachlorocyclopentadiene	5	--	5 UJ	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Hexachloroethane	2	1 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Isophorone	110	--	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ
Nitrobenzene	100	--	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ
n-Nitrosodi-n-propylamine	1	--	1 U	1 U	1 UJ	1 U	1 UJ	1 UJ	1 UJ
n-Nitrosodiphenylamine	1	1 U	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Pentachlorophenol	10	5 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Phenol	365	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSIP2-06_1311	DSIP2-06_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-13_1311
	Depth	5 – 15 ft	5 – 15 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	5.3 – 15.3 ft
	Sample ID	DSIP2-06-MW-041414	DSIP2-06-MW-070814	DSIP2-08-MW-010814	DSIP2-08-MW-012815	DSIP2-08-MW-041614	DSIP2-08-MW-071014	DSIP2-58-MW-010814	DSIP2-13-MW-010614
	Sample Date	4/14/2014	7/8/2014	1/8/2014	1/28/2015	4/16/2014	7/10/2014	1/8/2014	1/6/2014
	Sample Type	N	N	N	N	N	N	FD	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267821.70	1267821.70	1267991.80	1267991.80	1267991.80	1267991.80	1267991.80	1267446.25
	Y	204456.60	204456.60	204592.40	204592.40	204592.40	204592.40	204592.40	204365.45
	Screening Level								
Semivolatile Organics (µg/L)									
1,2,4-Trichlorobenzene	0.5	--	--	--	1 UJ	1 UJ	--	--	--
1,2-Dichlorobenzene	5.6	--	--	--	--	1 UJ	--	--	--
1,4-Dichlorobenzene	4.8	--	--	--	--	1 UJ	--	--	--
2,2'-Oxybis (1-chloropropane)	10.3	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2,3,4,6-Tetrachlorophenol		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	600	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dichlorophenol	10	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dimethylphenol	6.3	3 UJ	3 UJ	3 U	3 U	3 UJ	3 UJ	3 U	3 U
2,4-Dinitrophenol	100	20 U	20 UJ	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,6-Dinitrotoluene		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2-Chloronaphthalene	100	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U
2-Chlorophenol	17	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U
2-Methylphenol (o-Cresol)	27	1 U	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 U
2-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 UJ	3 U	3 U
2-Nitrophenol		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
3,3'-Dichlorobenzidine	5	5 UJ	5 U	5 UJ	5 U	5 UJ	5 UJ	5 UJ	5 UJ
3-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Bromophenyl-phenyl ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	36	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Chloroaniline		5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether		1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
4-Methylphenol (p-Cresol)		2 U	2 UJ	2 U	2 U	2 U	2 UJ	2 U	2 U
4-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Nitrophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	1058	20 U	20 UJ	20 UJ	20 UJ	20 U	20 UJ	20 UJ	20 U
Benzyl alcohol		2 U	2 U	2 UJ	2 U	2 U	2 UJ	2 UJ	2 U
bis(2-Chloroethoxy)methane		1 U	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 U
bis(2-Chloroethyl)ether	1	1 U	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 U
bis(2-Ethylhexyl)phthalate	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Butylbenzyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	200	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Dimethyl phthalate	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.1	1 U	1 U	1 U	--	--	--	1 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	--	--	--	--	--

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSIP2-06_1311	DSIP2-06_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-13_1311
	Depth	5 – 15 ft	5 – 15 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	5.3 – 15.3 ft
	Sample ID	DSIP2-06-MW-041414	DSIP2-06-MW-070814	DSIP2-08-MW-010814	DSIP2-08-MW-012815	DSIP2-08-MW-041614	DSIP2-08-MW-071014	DSIP2-58-MW-010814	DSIP2-13-MW-010614
	Sample Date	4/14/2014	7/8/2014	1/8/2014	1/28/2015	4/16/2014	7/10/2014	1/8/2014	1/6/2014
	Sample Type	N	N	N	N	N	N	FD	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267821.70	1267821.70	1267991.80	1267991.80	1267991.80	1267991.80	1267991.80	1267446.25
	Y	204456.60	204456.60	204592.40	204592.40	204592.40	204592.40	204592.40	204365.45
	Screening Level								
Hexachlorocyclopentadiene	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U
Hexachloroethane	2	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Isophorone	110	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U
Nitrobenzene	100	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 U
n-Nitrosodi-n-propylamine	1	1 U	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 U
n-Nitrosodiphenylamine	1	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U
Pentachlorophenol	10	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U
Phenol	365	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 U

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-16_1311
	Depth	5.3 – 15.3 ft	5.3 – 15.3 ft	5.3 – 15.3 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	5.2 – 15.2 ft
	Sample ID	DSIP2-13-MW-012815	DSIP2-13-MW-041514	DSIP2-13-MW-070814	DSIP2-15-MW-010614	DSIP2-15-MW-012815	DSIP2-15-MW-041514	DSIP2-15-MW-070914	DSIP2-16-MW-010614
	Sample Date	1/28/2015	4/15/2014	7/8/2014	1/6/2014	1/28/2015	4/15/2014	7/9/2014	1/6/2014
	Sample Type	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267446.25	1267446.25	1267446.25	1267509.17	1267509.17	1267509.17	1267509.17	1267562.84
	Y	204365.45	204365.45	204365.45	204385.33	204385.33	204385.33	204385.33	204360.20
	Screening Level								
Semivolatile Organics (µg/L)									
1,2,4-Trichlorobenzene	0.5	1 UJ	--	--	1 U	1 UJ	1 UJ	--	--
1,2-Dichlorobenzene	5.6	--	--	--	1 UJ	--	--	--	--
1,4-Dichlorobenzene	4.8	--	--	--	1 UJ	--	--	--	--
2,2'-Oxybis (1-chloropropane)	10.3	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2,3,4,6-Tetrachlorophenol		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	600	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dichlorophenol	10	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dimethylphenol	6.3	3 U	3 UJ	3 UJ	3 U	3 U	3 UJ	3 UJ	3 U
2,4-Dinitrophenol	100	20 U	20 U	20 UJ	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,6-Dinitrotoluene		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2-Chloronaphthalene	100	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
2-Chlorophenol	17	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
2-Methylphenol (o-Cresol)	27	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
2-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 U
2-Nitrophenol		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
3,3'-Dichlorobenzidine	5	-- **R**	5 UJ	5 U	5 UJ	5 U	5 UJ	5 UJ	5 UJ
3-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Bromophenyl-phenyl ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	36	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Chloroaniline		5 UJ	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 U
4-Chlorophenyl phenyl ether		1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
4-Methylphenol (p-Cresol)		2 U	2 U	2 UJ	2 U	2 U	2 U	2 UJ	2 U
4-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Nitrophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	1058	20 U	20 U	20 UJ	20 U	20 U	20 U	20 UJ	20 U
Benzyl alcohol		2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
bis(2-Chloroethoxy)methane		1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
bis(2-Chloroethyl)ether	1	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
bis(2-Ethylhexyl)phthalate	3	3 UJ	3 U	3 U	**4.6**	3 U	3 U	3 U	3 U
Butylbenzyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	200	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Dimethyl phthalate	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	1	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	3 UJ	--	--	--	--

Table 7-6d
Groundwater and Seep Results: SVOCs

		Location ID	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-16_1311
		Depth	5.3 – 15.3 ft	5.3 – 15.3 ft	5.3 – 15.3 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	5.2 – 15.2 ft
		Sample ID	DSIP2-13-MW-012815	DSIP2-13-MW-041514	DSIP2-13-MW-070814	DSIP2-15-MW-010614	DSIP2-15-MW-012815	DSIP2-15-MW-041514	DSIP2-15-MW-070914	DSIP2-16-MW-010614
		Sample Date	1/28/2015	4/15/2014	7/8/2014	1/6/2014	1/28/2015	4/15/2014	7/9/2014	1/6/2014
		Sample Type	N	N	N	N	N	N	N	N
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG
		X	1267446.25	1267446.25	1267446.25	1267509.17	1267509.17	1267509.17	1267509.17	1267562.84
		Y	204365.45	204365.45	204365.45	204385.33	204385.33	204385.33	204385.33	204360.20
	Screening Level									
Hexachlorocyclopentadiene	5		5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ	5 U
Hexachloroethane	2		2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Isophorone	110		1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 U
Nitrobenzene	100		1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
n-Nitrosodi-n-propylamine	1		1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
n-Nitrosodiphenylamine	1		1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
Pentachlorophenol	10		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	365		1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U

Table 7-6d
Groundwater and Seep Results: SVOCs

		Location ID	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311
		Depth	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft
		Sample ID	DSIP2-16-MW-013015	DSIP2-16-MW-041514	DSIP2-16-MW-070814	DSIP2-66-MW-013015	DSIP2-66-MW-041514	DSIP2-17-MW-010714	DSIP2-17-MW-012915	DSIP2-17-MW-041714
		Sample Date	1/30/2015	4/15/2014	7/8/2014	1/30/2015	4/15/2014	1/7/2014	1/29/2015	4/17/2014
		Sample Type	N	N	N	FD	FD	N	N	N
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG
		X	1267562.84	1267562.84	1267562.84	1267562.84	1267562.84	1267480.85	1267480.85	1267480.85
		Y	204360.20	204360.20	204360.20	204360.20	204360.20	204502.28	204502.28	204502.28
	Screening Level									
Semivolatile Organics (µg/L)										
1,2,4-Trichlorobenzene	0.5	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	5.6	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	4.8	--	--	--	--	--	--	--	--
2,2'-Oxybis (1-chloropropane)	10.3	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2,3,4,6-Tetrachlorophenol		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	600	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dichlorophenol	10	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dimethylphenol	6.3	3 U	3 UJ	3 UJ	3 U	3 UJ	3 U	3 U	3 UJ
2,4-Dinitrophenol	100	20 U	20 U	20 UJ	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,6-Dinitrotoluene		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2-Chloronaphthalene	100	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ
2-Chlorophenol	17	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
2-Methylphenol (o-Cresol)	27	1 UJ	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U
2-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2-Nitrophenol		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
3,3'-Dichlorobenzidine	5	5 U	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U	5 UJ
3-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Bromophenyl-phenyl ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	36	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Chloroaniline		5 U	5 UJ	5 U	5 U	5 UJ	5 U	5 UJ	5 U
4-Chlorophenyl phenyl ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methylphenol (p-Cresol)		2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Nitrophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	1058	20 U	20 U	20 UJ	20 U	20 U	20 U	**18 J**	20 U
Benzyl alcohol		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
bis(2-Chloroethoxy)methane		1 UJ	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U
bis(2-Chloroethyl)ether	1	1 UJ	1 U	1 UJ	1 UJ	1 U	1 U	1 UJ	1 U
bis(2-Ethylhexyl)phthalate	3	3 U	**23**	3 U	3 U	3 U	3 U	3 U	3 U
Butylbenzyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dimethyl phthalate	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	--	--	--	--	--

Table 7-6d
Groundwater and Seep Results: SVOCs

		Location ID	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311
		Depth	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft
		Sample ID	DSIP2-16-MW-013015	DSIP2-16-MW-041514	DSIP2-16-MW-070814	DSIP2-66-MW-013015	DSIP2-66-MW-041514	DSIP2-17-MW-010714	DSIP2-17-MW-012915	DSIP2-17-MW-041714
		Sample Date	1/30/2015	4/15/2014	7/8/2014	1/30/2015	4/15/2014	1/7/2014	1/29/2015	4/17/2014
		Sample Type	N	N	N	FD	FD	N	N	N
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG
		X	1267562.84	1267562.84	1267562.84	1267562.84	1267562.84	1267480.85	1267480.85	1267480.85
		Y	204360.20	204360.20	204360.20	204360.20	204360.20	204502.28	204502.28	204502.28
	Screening Level									
Hexachlorocyclopentadiene	5		5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ
Hexachloroethane	2		2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Isophorone	110		1 UJ	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 U
Nitrobenzene	100		1 UJ	1 U	1 UJ	1 UJ	1 U	1 U	1 UJ	1 U
n-Nitrosodi-n-propylamine	1		1 UJ	1 U	1 UJ	1 UJ	1 U	1 U	1 UJ	1 U
n-Nitrosodiphenylamine	1		1 UJ	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ
Pentachlorophenol	10		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	365		1 UJ	1 U	1 UJ	1 UJ	1 U	1 U	1 UJ	1 U

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSIP2-17_1311	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312
	Depth	5.2 – 15.2 ft	4.8 – 14.8 ft	4.8 – 14.8 ft	4.8 – 14.8 ft	4.8 – 14.8 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft
	Sample ID	DSIP2-17-MW-070714	DSIP2-19-MW-010714	DSIP2-19-MW-012915	DSIP2-19-MW-041414	DSIP2-19-MW-070714	DSIP2-20-MW-010714	DSIP2-20-MW-012915	DSIP2-20-MW-041614
	Sample Date	7/7/2014	1/7/2014	1/29/2015	4/14/2014	7/7/2014	1/7/2014	1/29/2015	4/16/2014
	Sample Type	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267480.85	1267489.96	1267489.96	1267489.96	1267489.96	1267608.74	1267608.74	1267608.74
	Y	204502.28	204622.78	204622.78	204622.78	204622.78	204585.93	204585.93	204585.93
	Screening Level								
Semivolatile Organics (µg/L)									
1,2,4-Trichlorobenzene	0.5	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	5.6	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	4.8	--	--	--	--	--	--	--	--
2,2'-Oxybis (1-chloropropane)	10.3	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2,3,4,6-Tetrachlorophenol		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	600	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dichlorophenol	10	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dimethylphenol	6.3	3 UJ	3 U	3 U	3 UJ	3 UJ	3 U	3 U	3 UJ
2,4-Dinitrophenol	100	20 UJ	20 U	20 U	20 U	20 UJ	20 U	20 U	20 U
2,4-Dinitrotoluene	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,6-Dinitrotoluene		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2-Chloronaphthalene	100	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ
2-Chlorophenol	17	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
2-Methylphenol (o-Cresol)	27	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
2-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2-Nitrophenol		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
3,3'-Dichlorobenzidine	5	5 U	5 UJ	5 U	5 UJ	5 U	5 UJ	5 U	5 UJ
3-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Bromophenyl-phenyl ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	36	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Chloroaniline		5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 UJ	5 U
4-Chlorophenyl phenyl ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methylphenol (p-Cresol)		2 UJ	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U
4-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Nitrophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	1058	20 UJ	20 U	20 U	20 U	20 UJ	20 U	20 U	20 U
Benzyl alcohol		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
bis(2-Chloroethoxy)methane		1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
bis(2-Chloroethyl)ether	1	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
bis(2-Ethylhexyl)phthalate	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Butylbenzyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dimethyl phthalate	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	--	--	--	--	--

Table 7-6d
Groundwater and Seep Results: SVOCs

		Location ID	DSIP2-17_1311	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312
		Depth	5.2 – 15.2 ft	4.8 – 14.8 ft	4.8 – 14.8 ft	4.8 – 14.8 ft	4.8 – 14.8 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft
		Sample ID	DSIP2-17-MW-070714	DSIP2-19-MW-010714	DSIP2-19-MW-012915	DSIP2-19-MW-041414	DSIP2-19-MW-070714	DSIP2-20-MW-010714	DSIP2-20-MW-012915	DSIP2-20-MW-041614
		Sample Date	7/7/2014	1/7/2014	1/29/2015	4/14/2014	7/7/2014	1/7/2014	1/29/2015	4/16/2014
		Sample Type	N	N	N	N	N	N	N	N
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG
		X	1267480.85	1267489.96	1267489.96	1267489.96	1267489.96	1267608.74	1267608.74	1267608.74
		Y	204502.28	204622.78	204622.78	204622.78	204622.78	204585.93	204585.93	204585.93
	Screening Level									
Hexachlorocyclopentadiene	5		5 UJ	5 U	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ
Hexachloroethane	2		2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Isophorone	110		1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Nitrobenzene	100		1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
n-Nitrosodi-n-propylamine	1		1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
n-Nitrosodiphenylamine	1		1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ
Pentachlorophenol	10		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	365		1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U

Table 7-6d
Groundwater and Seep Results: SVOCs

		Location ID	DSIP2-20_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311
		Depth	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft
		Sample ID	DSIP2-20-MW-070714	DSIP2-23-MW-010814	DSIP2-23-MW-012915	DSIP2-23-MW-041614	DSIP2-23-MW-070714	DSIP2-25-MW-010814	DSIP2-25-MW-012815	DSIP2-25-MW-041714
		Sample Date	7/7/2014	1/8/2014	1/29/2015	4/16/2014	7/7/2014	1/8/2014	1/28/2015	4/17/2014
		Sample Type	N	N	N	N	N	N	N	N
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG
		X	1267608.74	1267680.39	1267680.39	1267680.39	1267680.39	1267844.52	1267844.52	1267844.52
		Y	204585.93	204601.37	204601.37	204601.37	204601.37	204565.36	204565.36	204565.36
	Screening Level									
Semivolatile Organics (µg/L)										
1,2,4-Trichlorobenzene	0.5		--	--	--	--	--	--	1 UJ	--
1,2-Dichlorobenzene	5.6		--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	4.8		--	--	--	--	--	--	--	--
2,2'-Oxybis (1-chloropropane)	10.3		1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2,3,4,6-Tetrachlorophenol			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	600		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	3		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dichlorophenol	10		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dimethylphenol	6.3		3 UJ	3 U	3 U	3 UJ	3 UJ	3 U	3 U	3 UJ
2,4-Dinitrophenol	100		20 UJ	20 U	20 U	20 U	20 UJ	20 U	20 U	20 U
2,4-Dinitrotoluene	3		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,6-Dinitrotoluene			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2-Chloronaphthalene	100		1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 UJ
2-Chlorophenol	17		1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
2-Methylphenol (o-Cresol)	27		1 UJ	1 UJ	1 U	1 U	1 UJ	1 UJ	1 UJ	1 U
2-Nitroaniline			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2-Nitrophenol			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
3,3'-Dichlorobenzidine	5		5 U	5 UJ	5 U	5 UJ	5 U	5 UJ	5 U	5 UJ
3-Nitroaniline			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Bromophenyl-phenyl ether			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	36		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Chloroaniline			5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methylphenol (p-Cresol)			2 UJ	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U
4-Nitroaniline			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Nitrophenol			10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	1058		20 UJ	20 UJ	20 U	20 U	20 UJ	20 UJ	20 U	20 U
Benzyl alcohol			2 U	2 UJ	2 U	2 U	2 U	2 UJ	2 U	2 U
bis(2-Chloroethoxy)methane			1 UJ	1 UJ	1 U	1 U	1 UJ	1 UJ	1 UJ	1 U
bis(2-Chloroethyl)ether	1		1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U
bis(2-Ethylhexyl)phthalate	3		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Butylbenzyl phthalate	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	200		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dimethyl phthalate	600		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	8		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)			10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1		--	--	--	--	--	--	--	--

Table 7-6d
Groundwater and Seep Results: SVOCs

		Location ID	DSIP2-20_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-25_1311	DSIP2-25_1311	DSIP2-25_1311
		Depth	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft
		Sample ID	DSIP2-20-MW-070714	DSIP2-23-MW-010814	DSIP2-23-MW-012915	DSIP2-23-MW-041614	DSIP2-23-MW-070714	DSIP2-25-MW-010814	DSIP2-25-MW-012815	DSIP2-25-MW-041714
		Sample Date	7/7/2014	1/8/2014	1/29/2015	4/16/2014	7/7/2014	1/8/2014	1/28/2015	4/17/2014
		Sample Type	N	N	N	N	N	N	N	N
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG
		X	1267608.74	1267680.39	1267680.39	1267680.39	1267680.39	1267844.52	1267844.52	1267844.52
		Y	204585.93	204601.37	204601.37	204601.37	204601.37	204565.36	204565.36	204565.36
	Screening Level									
Hexachlorocyclopentadiene	5		5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Hexachloroethane	2		2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Isophorone	110		1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Nitrobenzene	100		1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
n-Nitrosodi-n-propylamine	1		1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U
n-Nitrosodiphenylamine	1		1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Pentachlorophenol	10		10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U
Phenol	365		1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSIP2-25_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-28_1312	DSIP2-28_1312
	Depth	5 – 15 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	17.5 – 27.5 ft	17.5 – 27.5 ft
	Sample ID	DSIP2-25-MW-071014	DSIP2-27-MW-010614	DSIP2-27-MW-012815	DSIP2-27-MW-041714	DSIP2-27-MW-071014	DSIP2-67-MW-010614	DSIP2-28-MW-010914	DSIP2-28-MW-012915
	Sample Date	7/10/2014	1/6/2014	1/28/2015	4/17/2014	7/10/2014	1/6/2014	1/9/2014	1/29/2015
	Sample Type	N	N	N	N	N	FD	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267844.52	1267800.30	1267800.30	1267800.30	1267800.30	1267800.30	1267985.36	1267985.36
	Y	204565.36	204380.32	204380.32	204380.32	204380.32	204380.32	204392.42	204392.42
	Screening Level								
Semivolatile Organics (µg/L)									
1,2,4-Trichlorobenzene	0.5	--	--	1 UJ	--	--	--	--	--
1,2-Dichlorobenzene	5.6	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	4.8	--	--	--	--	--	--	--	--
2,2'-Oxybis (1-chloropropane)	10.3	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2,3,4,6-Tetrachlorophenol		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	600	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dichlorophenol	10	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dimethylphenol	6.3	3 UJ	3 U	3 U	3 UJ	3 UJ	3 U	3 U	3 U
2,4-Dinitrophenol	100	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,6-Dinitrotoluene		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2-Chloronaphthalene	100	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
2-Chlorophenol	17	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
2-Methylphenol (o-Cresol)	27	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
2-Nitroaniline		3 UJ	3 U	3 U	3 U	3 UJ	3 U	3 U	3 U
2-Nitrophenol		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
3,3'-Dichlorobenzidine	5	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ	5 UJ	-- **R**
3-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Bromophenyl-phenyl ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	36	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Chloroaniline		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
4-Chlorophenyl phenyl ether		1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
4-Methylphenol (p-Cresol)		2 UJ	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U
4-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ
4-Nitrophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	1058	20 UJ	20 U	20 UJ	20 U	20 UJ	20 U	20 U	20 U
Benzyl alcohol		2 UJ	2 U	2 U	2 U	2 UJ	2 U	2 UJ	2 U
bis(2-Chloroethoxy)methane		1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
bis(2-Chloroethyl)ether	1	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ
bis(2-Ethylhexyl)phthalate	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ
Butylbenzyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	200	**0.6 J**	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Dimethyl phthalate	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Hexachlorobenzene	0.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	--	--	--	--	--

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSIP2-25_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-28_1312	DSIP2-28_1312
	Depth	5 – 15 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	17.5 – 27.5 ft	17.5 – 27.5 ft
	Sample ID	DSIP2-25-MW-071014	DSIP2-27-MW-010614	DSIP2-27-MW-012815	DSIP2-27-MW-041714	DSIP2-27-MW-071014	DSIP2-67-MW-010614	DSIP2-28-MW-010914	DSIP2-28-MW-012915
	Sample Date	7/10/2014	1/6/2014	1/28/2015	4/17/2014	7/10/2014	1/6/2014	1/9/2014	1/29/2015
	Sample Type	N	N	N	N	N	FD	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267844.52	1267800.30	1267800.30	1267800.30	1267800.30	1267800.30	1267985.36	1267985.36
	Y	204565.36	204380.32	204380.32	204380.32	204380.32	204380.32	204392.42	204392.42
	Screening Level								
Hexachlorocyclopentadiene	5	5 UJ	5 U	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ
Hexachloroethane	2	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Isophorone	110	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 UJ
Nitrobenzene	100	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 UJ
n-Nitrosodi-n-propylamine	1	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ
n-Nitrosodiphenylamine	1	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 U
Pentachlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	365	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 UJ

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311
	Depth	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft
	Sample ID	DSIP2-28-MW-041714	DSIP2-28-MW-070914	DSIP2-78-MW-070914	DSIP2-29-MW-010614	DSIP2-29-MW-012815	DSIP2-29-MW-041614	DSIP2-29-MW-071114	DSIP2-79-MW-012815
	Sample Date	4/17/2014	7/9/2014	7/9/2014	1/6/2014	1/28/2015	4/16/2014	7/11/2014	1/28/2015
	Sample Type	N	N	FD	N	N	N	N	FD
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267985.36	1267985.36	1267985.36	1267967.58	1267967.58	1267967.58	1267967.58	1267967.58
	Y	204392.42	204392.42	204392.42	204223.52	204223.52	204223.52	204223.52	204223.52
	Screening Level								
Semivolatile Organics (µg/L)									
1,2,4-Trichlorobenzene	0.5	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	5.6	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	4.8	--	--	--	--	--	--	--	--
2,2'-Oxybis (1-chloropropane)	10.3	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2,3,4,6-Tetrachlorophenol		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	600	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dichlorophenol	10	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dimethylphenol	6.3	3 UJ	3 UJ	3 UJ	3 U	3 U	3 UJ	3 UJ	3 U
2,4-Dinitrophenol	100	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,6-Dinitrotoluene		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2-Chloronaphthalene	100	1 UJ	1 UJ	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U
2-Chlorophenol	17	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	1 U
2-Methylphenol (o-Cresol)	27	1 U	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ
2-Nitroaniline		3 U	3 UJ	3 UJ	3 U	3 U	3 U	3 UJ	3 U
2-Nitrophenol		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
3,3'-Dichlorobenzidine	5	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U
3-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Bromophenyl-phenyl ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	36	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Chloroaniline		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether		1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	1 U
4-Methylphenol (p-Cresol)		2 U	2 UJ	2 UJ	2 U	2 U	2 U	2 UJ	2 U
4-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Nitrophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	1058	20 U	20 UJ	20 UJ	20 U	20 UJ	20 U	20 UJ	20 UJ
Benzyl alcohol		2 U	2 UJ	2 UJ	2 U	2 U	2 U	2 UJ	2 U
bis(2-Chloroethoxy)methane		1 U	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ
bis(2-Chloroethyl)ether	1	1 U	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ
bis(2-Ethylhexyl)phthalate	3	3 U	3 U	3 U	3 U	3 U	**4.8**	3 U	3 U
Butylbenzyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	200	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Dimethyl phthalate	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	--	--	--	--	--

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311
	Depth	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft
	Sample ID	DSIP2-28-MW-041714	DSIP2-28-MW-070914	DSIP2-78-MW-070914	DSIP2-29-MW-010614	DSIP2-29-MW-012815	DSIP2-29-MW-041614	DSIP2-29-MW-071114	DSIP2-79-MW-012815
	Sample Date	4/17/2014	7/9/2014	7/9/2014	1/6/2014	1/28/2015	4/16/2014	7/11/2014	1/28/2015
	Sample Type	N	N	FD	N	N	N	N	FD
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267985.36	1267985.36	1267985.36	1267967.58	1267967.58	1267967.58	1267967.58	1267967.58
	Y	204392.42	204392.42	204392.42	204223.52	204223.52	204223.52	204223.52	204223.52
	Screening Level								
Hexachlorocyclopentadiene	5	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ	5 UJ
Hexachloroethane	2	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Isophorone	110	1 U	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ
Nitrobenzene	100	1 U	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ
n-Nitrosodi-n-propylamine	1	1 U	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ
n-Nitrosodiphenylamine	1	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 UJ
Pentachlorophenol	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	365	1 U	1 UJ	1 UJ	**1**	**6.4 J**	**3.5 J**	**1.9 J**	**4.4 J**

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSI-PZ-01_1401	DSI-PZ-01_1401	DSI-PZ-01_1401	DSI-PZ-01_1401	DSIP2-SP-01	DSIP2-SP-02	DSIP2-SP-02	DSIP2-SP-03
	Depth	5 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	--	--	--	--
	Sample ID	DSI-P2-01-070714	DSI-PZ-01-010814	DSI-PZ-01-013015	DSI-PZ-01-041414	DSIP2-SP-01-072213	DSIP2-SP-02-072213	DSIP2-SP-52-072213	DSIP2-SP-03-072213
	Sample Date	7/7/2014	1/8/2014	1/30/2015	4/14/2014	7/22/2013	7/22/2013	7/22/2013	7/22/2013
	Sample Type	N	N	N	N	N	N	FD	N
	Matrix	WG	WG	WG	WG	WSP	WSP	WSP	WSP
	X	1267724.47	1267724.47	1267724.47	1267724.47	1268019.71	1268017.92	1268017.92	1268058.01
	Y	204468.59	204468.59	204468.59	204468.59	204592.17	204545.54	204545.54	204445.78
	Screening Level								
Semivolatile Organics (µg/L)									
1,2,4-Trichlorobenzene	0.5	--	--	--	--	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	5.6	--	--	--	--	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	4.8	--	--	--	--	1 U	1 U	1 U	1 U
2,2'-Oxybis (1-chloropropane)	10.3	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U
2,3,4,6-Tetrachlorophenol		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	600	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dichlorophenol	10	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,4-Dimethylphenol	6.3	3 UJ	3 U	3 U	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ
2,4-Dinitrophenol	100	20 UJ	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2,6-Dinitrotoluene		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2-Chloronaphthalene	100	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chlorophenol	17	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Methylphenol (o-Cresol)	27	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U
2-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
2-Nitrophenol		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
3,3'-Dichlorobenzidine	5	5 U	5 UJ	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
3-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Bromophenyl-phenyl ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	36	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Chloroaniline		5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methylphenol (p-Cresol)		2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Nitrophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	1058	20 UJ	20 UJ	20 U	20 U	20 U	20 U	20 U	20 U
Benzyl alcohol		2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U
bis(2-Chloroethoxy)methane		1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U
bis(2-Chloroethyl)ether	1	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U
bis(2-Ethylhexyl)phthalate	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Butylbenzyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dimethyl phthalate	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.1	--	--	--	--	--	--	--	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	--	3 U	3 U	3 U	3 U

Table 7-6d
Groundwater and Seep Results: SVOCs

	Location ID	DSI-PZ-01_1401	DSI-PZ-01_1401	DSI-PZ-01_1401	DSI-PZ-01_1401	DSIP2-SP-01	DSIP2-SP-02	DSIP2-SP-02	DSIP2-SP-03
	Depth	5 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	--	--	--	--
	Sample ID	DSI-P2-01-070714	DSI-PZ-01-010814	DSI-PZ-01-013015	DSI-PZ-01-041414	DSIP2-SP-01-072213	DSIP2-SP-02-072213	DSIP2-SP-52-072213	DSIP2-SP-03-072213
	Sample Date	7/7/2014	1/8/2014	1/30/2015	4/14/2014	7/22/2013	7/22/2013	7/22/2013	7/22/2013
	Sample Type	N	N	N	N	N	N	FD	N
	Matrix	WG	WG	WG	WG	WSP	WSP	WSP	WSP
	X	1267724.47	1267724.47	1267724.47	1267724.47	1268019.71	1268017.92	1268017.92	1268058.01
	Y	204468.59	204468.59	204468.59	204468.59	204592.17	204545.54	204545.54	204445.78
	Screening Level								
Hexachlorocyclopentadiene	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Hexachloroethane	2	2 UJ	2 UJ	2 UJ	2 UJ	2 U	2 U	2 U	2 U
Isophorone	110	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Nitrobenzene	100	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
n-Nitrosodi-n-propylamine	1	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U
n-Nitrosodiphenylamine	1	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U
Pentachlorophenol	10	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	365	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U

Table 7-6d
Groundwater and Seep Results: SVOCs

Notes:
Detected concentration is greater than the groundwater screening level
Non-detected concentration is above the groundwater screening level
Bold = Detected result
-- = not analyzed
µg/L = micrograms per liter
FD = field duplicate
ft = foot
J = estimated value
N = normal sample
R = rejected
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit
WG = groundwater
WSP = groundwater seep

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	MW-4	MW-5	DSI-01	DSI-02	DSI-03	DSI-04	DSI-05	DSI-06	DSI-07	DSI-07	DSI-08	DSI-09	DSI-10	DSI-11	DSI-12
	Depth	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Sample ID	MW-4-GW-060929	MW-5-GW-060929	DSI01-GW	DSI02-GW	DSI03-GW	DSI04-GW	DSI05-GW	DSI06-GW	DSI07-GW	DSI57-GW	DSI08-GW	DSI09-GW	DSI10-GW	DSI11-GW	DSI12-GW
	Sample Date	9/29/2006	9/29/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267474.81	1267494.81	1267483.65	1267482.28	1267538.20	1267677.30	1267664.49	1267832.57	1267843.29	1267843.29	1267815.08	1267972.09	1267928.64	1267970.43	1267970.42
	Y	204675.26	204585.26	204362.38	204484.72	204614.54	204577.53	204414.79	204403.48	204440.17	204440.17	204599.08	204599.10	204456.02	204358.81	204269.04
	Screening Level															
Volatile Organics (µg/L)																
1,1,1,2-Tetrachloroethane		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	50000	0.2 U	0.6 U	**1**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.3	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.9	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane		**0.4**	0.6 U	**0.2**	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	3.2	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloropropene		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene		0.5 U	1.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane		0.5 U	1.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene		0.2 U	0.6 U	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U	**24**	**26**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane		0.5 U	1.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	5.6	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	59	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethene, cis-		0.2 U	0.6 U	**0.5**	0.2 U	**0.2**	**0.6**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethene, trans-	1000	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	3.1	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)		0.2 U	0.6 U	0.2 U	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	**10**	**12**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	2	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, cis-		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, trans-		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichloro-2-butene, trans-		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	4.8	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethylvinyl ether		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Hexanone (Methyl butyl ketone)		3 U	9 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Chlorotoluene		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Acetone		**4.1**	9 U	**5.4**	**8**	**6.3**	**3.8**	3 U	**3.8**	3 U	3 U	**5.5**	**4.7**	**4.7**	**6.3**	**6.3**
Acrolein	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	1.6	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	**0.6**	**180**	**210**	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U
Bromobenzene		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	2.8	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform (Tribromomethane)	12	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	265	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon disulfide		0.2 U	0.6 U	**0.2**	**0.6**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U	0.2 U
Carbon tetrachloride (Tetrachloromethane)	0.35	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	15	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	MW-4	MW-5	DSI-01	DSI-02	DSI-03	DSI-04	DSI-05	DSI-06	DSI-07	DSI-07	DSI-08	DSI-09	DSI-10	DSI-11	DSI-12
	Depth	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Sample ID	MW-4-GW-060929	MW-5-GW-060929	DSI01-GW	DSI02-GW	DSI03-GW	DSI04-GW	DSI05-GW	DSI06-GW	DSI07-GW	DSI57-GW	DSI08-GW	DSI09-GW	DSI10-GW	DSI11-GW	DSI12-GW
	Sample Date	9/29/2006	9/29/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267474.81	1267494.81	1267483.65	1267482.28	1267538.20	1267677.30	1267664.49	1267832.57	1267843.29	1267843.29	1267815.08	1267972.09	1267928.64	1267970.43	1267970.42
	Y	204675.26	204585.26	204362.38	204484.72	204614.54	204577.53	204414.79	204403.48	204440.17	204440.17	204599.08	204599.10	204456.02	204358.81	204269.04
	Screening Level															
Cymene, p- (4-Isopropyltoluene)		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	2.2	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichloromethane (Methylene chloride)	100	**0.3**	0.9 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethyl bromide (Bromoethane)		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	31	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**10**	**11**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylene dibromide (1,2-Dibromoethane)		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**25**	**28**	0.2 U	0.2 U	0.2 U	**0.5**	**0.5**
m,p-Xylene		0.4 U	1.2 U	0.4 U	**0.5**	**0.5**	0.4 U	0.4 U	**0.4**	**6.4**	**7.1**	0.4 U	0.4 U	0.4 U	**0.5**	**0.5**
Methyl ethyl ketone (2-Butanone)		1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl iodide (Iodomethane)		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Naphthalene	81	**8.7**	--	--	--	--	--	--	--	**4.7**	**4.2**	--	--	--	--	--
n-Butylbenzene		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**14**	**13**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**94**	**110**	0.2 U	0.2 U	0.2 U	**0.5**	**0.5**
o-Xylene		0.2 U	0.6 U	0.2 U	**0.2**	**0.2**	0.2 U	0.2 U	**0.2**	0.2 U	**0.9**	0.2 U	0.2 U	0.2 U	**0.3**	**0.3**
sec-Butylbenzene		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**8.2**	**8.5**	0.2 U	0.2 U	0.2 U	**0.2**	**0.2**
Styrene		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene (PCE)	2.9	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	130	0.2 U	0.6 U	**0.5**	**0.7**	**0.6**	**0.5**	**0.4**	**0.4**	**4.4**	**4.6**	**0.4**	**0.4**	**0.7**	**0.5**	**0.4**
Trichloroethene (TCE)	0.7	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane (Fluorotrichloromethane)		0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl acetate		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.18	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	**0.6**	**0.3**	0.2 U	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSI-GP-06	DSI-GP-07	DSI-GP-08	DSI-GP-09	DSI-GP-10	DSI-GP-11	DSI-GP-19	DSI-GP-19	DSI-GP-20	DSI-GP-21	DSI-MW-01	DSI-MW-02
	Depth	7.5 – 7.5 ft	7.5 – 7.5 ft	7 – 7 ft	7.5 – 7.5 ft	7 – 7 ft	8 – 8 ft	7.5 – 7.5 ft	7.5 – 7.5 ft	7.5 – 7.5 ft	7.5 – 7.5 ft	4.6 – 14.5 ft	5.1 – 15 ft
	Sample ID	DSI-GP-06-GW	DSI-GP-07-GW	DSI-GP-08-GW	DSI-GP-09-GW	DSI-GP-10-GW	DSI-GP-11-GW	DSI-GP-19-GW	DSI-GP-69-GW	DSI-GP-20-GW	DSI-GP-21-GW	DSI-MW-01-072209	DSI-MW-02-010714
	Sample Date	7/14/2009	7/14/2009	7/16/2009	7/16/2009	7/16/2009	7/14/2009	7/16/2009	7/16/2009	7/15/2009	7/16/2009	7/22/2009	1/7/2014
	Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267588.58	1267662.08	1267860.11	1267877.01	1267792.87	1267873.09	1267668.90	1267668.90	1267785.57	1267891.80	1267511.08	1267537.85
	Y	204506.76	204563.53	204436.11	204409.65	204451.34	204484.40	204346.90	204346.90	204370.10	204378.83	204376.69	204619.49
	Screening Level												
Volatile Organics (µg/L)													
1,1,1,2-Tetrachloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	50000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.02 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		--	--	--	--	--	--	--	--	--	--	--	0.2 U
1,1,2-Trichloroethane	0.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane		0.2 U	0.2 U	**0.2**	**0.2**	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	0.2 U
1,1-Dichloroethene	3.2	--	--	--	--	--	--	--	--	--	--	--	0.02 U
1,1-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
1,2,4-Trichlorobenzene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene		0.2 U	0.2 U	**1.4**	**0.8**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1**	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	5.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	59	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.02 U
1,2-Dichloroethene, cis-		--	--	--	--	--	--	--	--	--	--	--	**0.5**
1,2-Dichloroethene, trans-	1000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.018 J**
1,2-Dichloropropane	3.1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)		0.2 U	0.2 U	**0.7**	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.7**	0.2 U	0.2 U
1,3-Dichlorobenzene	2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U
1,3-Dichloropropane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, cis-		--	--	--	--	--	--	--	--	--	--	--	0.2 U
1,3-Dichloropropene, trans-		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichloro-2-butene, trans-		--	--	--	--	--	--	--	--	--	--	--	1 U
1,4-Dichlorobenzene	4.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethylvinyl ether		--	--	--	--	--	--	--	--	--	--	--	1 U
2-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Hexanone (Methyl butyl ketone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrolein	5	--	--	--	--	--	--	--	--	--	--	--	5 U
Acrylonitrile	0.05	--	--	--	--	--	--	--	--	--	--	--	0.05 U
Benzene	1.6	0.2 U	0.2 U	**3.6**	**0.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**15**	0.2 U	**0.082**
Bromobenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	2.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform (Tribromomethane)	12	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	265	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Carbon disulfide		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon tetrachloride (Tetrachloromethane)	0.35	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	200	--	--	--	--	--	--	--	--	--	--	--	0.2 U
Chloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	15	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSI-GP-06	DSI-GP-07	DSI-GP-08	DSI-GP-09	DSI-GP-10	DSI-GP-11	DSI-GP-19	DSI-GP-19	DSI-GP-20	DSI-GP-21	DSI-MW-01	DSI-MW-02
	Depth	7.5 – 7.5 ft	7.5 – 7.5 ft	7 – 7 ft	7.5 – 7.5 ft	7 – 7 ft	8 – 8 ft	7.5 – 7.5 ft	7.5 – 7.5 ft	7.5 – 7.5 ft	7.5 – 7.5 ft	4.6 – 14.5 ft	5.1 – 15 ft
	Sample ID	DSI-GP-06-GW	DSI-GP-07-GW	DSI-GP-08-GW	DSI-GP-09-GW	DSI-GP-10-GW	DSI-GP-11-GW	DSI-GP-19-GW	DSI-GP-69-GW	DSI-GP-20-GW	DSI-GP-21-GW	DSI-MW-01-072209	DSI-MW-02-010714
	Sample Date	7/14/2009	7/14/2009	7/16/2009	7/16/2009	7/16/2009	7/14/2009	7/16/2009	7/16/2009	7/15/2009	7/16/2009	7/22/2009	1/7/2014
	Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267588.58	1267662.08	1267860.11	1267877.01	1267792.87	1267873.09	1267668.90	1267668.90	1267785.57	1267891.80	1267511.08	1267537.85
	Y	204506.76	204563.53	204436.11	204409.65	204451.34	204484.40	204346.90	204346.90	204370.10	204378.83	204376.69	204619.49
	Screening Level												
Cymene, p- (4-Isopropyltoluene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	2.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U
Dichloromethane (Methylene chloride)	100	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Ethyl bromide (Bromoethane)		--	--	--	--	--	--	--	--	--	--	--	0.2 U
Ethylbenzene	31	0.2 U	0.2 U	**2.2**	**0.7**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.6**	0.2 U	0.2 U
Ethylene dibromide (1,2-Dibromoethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	--
Isopropylbenzene (Cumene)		0.2 U	0.2 U	**2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**2**	0.2 U	0.2 U
m,p-Xylene		0.4 U	0.4 U	**2.5**	**1.2**	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	**2.6**	0.4 U	0.4 U
Methyl ethyl ketone (2-Butanone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl iodide (Iodomethane)		--	--	--	--	--	--	--	--	--	--	--	1 U
Methyl tert-butyl ether (MTBE)		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	81	0.5 U	0.5 U	**15**	**28**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.8**	0.5 U	--
n-Butylbenzene		0.2 U	0.2 U	**0.6**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.8**	0.2 U	0.2 U
n-Propylbenzene		0.2 U	0.2 U	**8.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**8**	0.2 U	0.2 U
o-Xylene		0.2 U	0.2 U	**0.5**	**0.9**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.7**	0.2 U	0.2 U
sec-Butylbenzene		0.2 U	0.2 U	**0.5**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.7**	0.2 U	0.2 U
Styrene		0.2 U	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene (PCE)	2.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.02 U
Toluene	130	0.2 U	0.2 U	**0.2**	**0.6**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.6**	0.2 U	0.2 U
Trichloroethene (TCE)	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.016 J**
Trichlorofluoromethane (Fluorotrichloromethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U
Vinyl acetate		--	--	--	--	--	--	--	--	--	--	--	0.2 UJ
Vinyl chloride	0.18	0.2 U	**0.2**	0.2 U	**0.2**	**0.2**	0.2 U	**0.2**	**0.2**	0.2 UJ	0.2 U	**0.9**	**0.48**

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-03	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-05
	Depth	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	29.85 – 39.75 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	5.5 – 15.2 ft
	Sample ID	DSI-MW-02-012915	DSI-MW-02-041814	DSI-MW-02-070714	DSI-MW-02-072209	DSI-MW-03-072909	DSI-MW-04-011014	DSI-MW-04-012915	DSI-MW-04-041514	DSI-MW-04-070914	DSI-MW-04-072309	DSI-MW-05-010814
	Sample Date	1/29/2015	4/18/2014	7/7/2014	7/22/2009	7/29/2009	1/10/2014	1/29/2015	4/15/2014	7/9/2014	7/23/2009	1/8/2014
	Sample Type	N	N	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267537.85	1267537.85	1267537.85	1267537.85	1267731.36	1267894.98	1267894.98	1267894.98	1267894.98	1267894.98	1267969.75
	Y	204619.49	204619.49	204619.49	204619.49	204467.03	204416.16	204416.16	204416.16	204416.16	204416.16	204575.21
	Screening Level											
Volatile Organics (µg/L)												
1,1,1,2-Tetrachloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	50000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.3	0.02 U	0.02 U	0.02 U	0.2 U	0.2 U	**0.045**	**0.058**	**0.039**	**0.037**	0.2 U	**0.01 J**
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.2 U	0.2 U	0.2 U	--	--	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U
1,1,2-Trichloroethane	0.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	3.2	0.02 U	0.02 U	0.02 U	--	--	0.02 U	0.02 U	0.02 U	0.02 U	--	0.02 U
1,1-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene		0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
1,2,4-Trichlorobenzene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.2**	**4**	**2.3**	**1.4 J**	**1.8**	0.2 U
1,2-Dibromo-3-chloropropane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	5.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	59	0.02 U	0.02 U	0.02 U	0.2 U	0.2 U	0.02 U	0.02 U	0.02 U	**0.12**	0.2 U	0.02 U
1,2-Dichloroethene, cis-		**0.29**	**0.35**	**0.26**	--	--	**0.025**	**0.043**	**0.017 J**	**0.014 J**	--	**0.13 J**
1,2-Dichloroethene, trans-	1000	0.02 U	0.02 U	0.02 U	0.2 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U
1,2-Dichloropropane	3.1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.4**	**0.58**	**0.71**	**0.45**	**0.6**	0.2 U
1,3-Dichlorobenzene	2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, cis-		0.2 U	0.2 U	0.2 U	--	--	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U
1,3-Dichloropropene, trans-		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichloro-2-butene, trans-		1 U	1 U	1 U	--	--	1 UJ	1 U	1 U	1 UJ	--	1 U
1,4-Dichlorobenzene	4.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.22**
2,2-Dichloropropane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethylvinyl ether		1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 UJ	--	1 U
2-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Hexanone (Methyl butyl ketone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone		5 U	5 U	5 U	5 U	5 U	**2.1 J**	5 U	5 U	5 UJ	5 U	5 U
Acrolein	5	5 U	5 U	5 UJ	--	--	5 U	5 U	5 U	5 U	--	5 U
Acrylonitrile	0.05	0.05 U	0.05 U	0.05 U	--	--	**1**	**1.1**	**0.92**	**0.57**	--	0.05 U
Benzene	1.6	0.02 U	0.02 U	0.02 U	0.2 U	0.2 U	**7.8**	**18**	**7.1**	**4.1**	**25**	**0.038**
Bromobenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	2.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform (Tribromomethane)	12	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	265	1 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	1 U
Carbon disulfide		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon tetrachloride (Tetrachloromethane)	0.35	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	200	0.2 U	0.2 U	0.2 U	--	--	0.2 U	0.2 U	0.2 U	0.2 U	--	**2.8**
Chloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	15	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-03	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-05
	Depth	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	29.85 – 39.75 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	5.5 – 15.2 ft
	Sample ID	DSI-MW-02-012915	DSI-MW-02-041814	DSI-MW-02-070714	DSI-MW-02-072209	DSI-MW-03-072909	DSI-MW-04-011014	DSI-MW-04-012915	DSI-MW-04-041514	DSI-MW-04-070914	DSI-MW-04-072309	DSI-MW-05-010814
	Sample Date	1/29/2015	4/18/2014	7/7/2014	7/22/2009	7/29/2009	1/10/2014	1/29/2015	4/15/2014	7/9/2014	7/23/2009	1/8/2014
	Sample Type	N	N	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267537.85	1267537.85	1267537.85	1267537.85	1267731.36	1267894.98	1267894.98	1267894.98	1267894.98	1267894.98	1267969.75
	Y	204619.49	204619.49	204619.49	204619.49	204467.03	204416.16	204416.16	204416.16	204416.16	204416.16	204575.21
	Screening Level											
Cymene, p- (4-Isopropyltoluene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.1 J**	0.2 U	0.2 U	**0.11 J**	0.2 U	0.2 U
Dibromochloromethane	2.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichloromethane (Methylene chloride)	100	1 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	1 U
Ethyl bromide (Bromoethane)		0.2 U	0.2 U	0.2 U	--	--	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U
Ethylbenzene	31	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.4**	**3.4**	**2.3**	**1.2**	**2.1**	0.2 U
Ethylene dibromide (1,2-Dibromoethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	0.5 U	0.5 U	--	--	--	--	0.5 UJ	--
Isopropylbenzene (Cumene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	**1.2**	**0.83**	**0.42**	**0.8**	0.2 U
m,p-Xylene		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	**1.6**	**2.6**	**2.6**	**1.3**	**3**	0.4 U
Methyl ethyl ketone (2-Butanone)		5 U	5 U	5 U	5 U	5 U	**2 J**	5 U	5 U	5 UJ	5 U	5 U
Methyl iodide (Iodomethane)		1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	--	1 U
Methyl tert-butyl ether (MTBE)		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	81	--	--	--	0.5 U	0.5 U	**9**	**3.8**	**15 J**	**11**	**18**	--
n-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.47**	**0.8**	**0.89**	**0.46**	**1.4**	0.2 U
o-Xylene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.2**	**3.7**	**1.8**	**1.2**	**1.7**	0.2 U
sec-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.1 J**	0.2 U	**0.15 J**	**0.11 J**	**0.2**	0.2 U
Styrene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene (PCE)	2.9	**0.34**	**0.32**	**0.23**	0.2 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	**0.025**
Toluene	130	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	**0.63**	**0.98**	**0.67**	**0.42**	**1**	0.2 U
Trichloroethene (TCE)	0.7	**0.12 J**	**0.1 J**	**0.12**	0.2 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	**0.037**
Trichlorofluoromethane (Fluorotrichloromethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl acetate		0.2 UJ	0.2 UJ	0.2 UJ	--	--	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	--	0.2 UJ
Vinyl chloride	0.18	**0.079**	0.02 U	**0.022**	0.2 U	0.2 U	**0.045**	**0.15 J**	**0.038**	**0.021**	0.2 U	**0.021**

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-07
	Depth	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	30.4 – 40 ft
	Sample ID	DSI-MW-05-012815	DSI-MW-05-041514	DSI-MW-05-071014	DSI-MW-05-072909	DSI-MW-55-072909	DSI-MW-06-010714	DSI-MW-06-012915	DSI-MW-06-041414	DSI-MW-06-070814	DSI-MW-06-072909	DSI-MW-07-010614
	Sample Date	1/28/2015	4/15/2014	7/10/2014	7/29/2009	7/29/2009	1/7/2014	1/29/2015	4/14/2014	7/8/2014	7/29/2009	1/6/2014
	Sample Type	N	N	N	N	FD	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267969.75	1267969.75	1267969.75	1267969.75	1267969.75	1267953.29	1267953.29	1267953.29	1267953.29	1267953.29	1267953.32
	Y	204575.21	204575.21	204575.21	204575.21	204575.21	204456.31	204456.31	204456.31	204456.31	204456.31	204463.39
	Screening Level											
Volatile Organics (µg/L)												
1,1,1,2-Tetrachloroethane		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	50000	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.3	0.02 U	0.02 U	0.02 U	0.2 U	0.2 U	**0.023 J**	**0.034**	0.02 U	**0.028**	0.2 U	0.02 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		1 U	0.2 U	0.2 U	--	--	0.2 U	0.2 U	0.2 UJ	0.2 U	--	0.2 U
1,1,2-Trichloroethane	0.9	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	3.2	0.02 U	0.02 U	0.02 U	--	--	0.02 U	0.02 U	0.02 U	0.02 U	--	0.02 U
1,1-Dichloropropene		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
1,2-Dichlorobenzene	5.6	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	59	0.02 U	0.02 U	0.02 U	0.2 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U
1,2-Dichloroethene, cis-		**0.15**	**0.082**	**0.15**	--	--	**0.24**	**0.2**	**0.27**	**0.29**	--	**0.035**
1,2-Dichloroethene, trans-	1000	0.02 U	0.02 U	0.02 U	0.2 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U
1,2-Dichloropropane	3.1	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	2	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, cis-		1 U	0.2 U	0.2 U	--	--	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U
1,3-Dichloropropene, trans-		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichloro-2-butene, trans-		5 U	1 U	1 UJ	--	--	1 U	1 U	1 U	1 UJ	--	1 U
1,4-Dichlorobenzene	4.8	1 U	**0.17 J**	**0.13 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane		1 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 UJ	0.2 U
2-Chloroethylvinyl ether		5 U	1 U	1 U	--	--	1 U	1 U	1 U	1 UJ	--	1 U
2-Chlorotoluene		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Hexanone (Methyl butyl ketone)		25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
4-Chlorotoluene		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone		25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
Acrolein	5	25 UJ	5 U	5 UJ	--	--	5 U	5 U	5 UJ	5 UJ	--	5 U
Acrylonitrile	0.05	0.05 U	0.05 U	0.05 U	--	--	0.05 U	0.05 U	0.05 U	**0.026 J**	--	0.05 U
Benzene	1.6	**0.048**	**0.04**	**0.022**	0.2 U	0.2 U	**0.015 J**	**0.012 J**	**0.012 J**	0.02 U	0.2 U	0.02 U
Bromobenzene		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	2.8	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform (Tribromomethane)	12	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	265	5 UJ	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 UJ	1 U	0.5 U	1 U
Carbon disulfide		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon tetrachloride (Tetrachloromethane)	0.35	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	200	**4.8**	**2.7**	**1.6**	--	--	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U
Chloroethane		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	15	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-07
	Depth	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	30.4 – 40 ft
	Sample ID	DSI-MW-05-012815	DSI-MW-05-041514	DSI-MW-05-071014	DSI-MW-05-072909	DSI-MW-55-072909	DSI-MW-06-010714	DSI-MW-06-012915	DSI-MW-06-041414	DSI-MW-06-070814	DSI-MW-06-072909	DSI-MW-07-010614
	Sample Date	1/28/2015	4/15/2014	7/10/2014	7/29/2009	7/29/2009	1/7/2014	1/29/2015	4/14/2014	7/8/2014	7/29/2009	1/6/2014
	Sample Type	N	N	N	N	FD	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267969.75	1267969.75	1267969.75	1267969.75	1267969.75	1267953.29	1267953.29	1267953.29	1267953.29	1267953.29	1267953.32
	Y	204575.21	204575.21	204575.21	204575.21	204575.21	204456.31	204456.31	204456.31	204456.31	204456.31	204463.39
	Screening Level											
Cymene, p- (4-Isopropyltoluene)		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	2.2	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U
Dichloromethane (Methylene chloride)	100	5 U	1 U	**0.63 J**	0.5 U	0.5 U	1 U	**0.58 J**	1 U	**0.69 J**	0.5 U	1 U
Ethyl bromide (Bromoethane)		1 U	0.2 U	0.2 U	--	--	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U
Ethylbenzene	31	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylene dibromide (1,2-Dibromoethane)		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	0.5 U	0.5 U	--	--	--	--	0.5 U	--
Isopropylbenzene (Cumene)		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene		2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methyl ethyl ketone (2-Butanone)		25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
Methyl iodide (Iodomethane)		5 U	1 U	1 U	--	--	1 U	1 U	1 UJ	1 U	--	1 U
Methyl tert-butyl ether (MTBE)		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	81	--	--	--	0.5 U	0.5 U	--	--	--	--	0.5 U	--
n-Butylbenzene		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene (PCE)	2.9	**0.032**	**0.026**	**0.03**	0.2 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U
Toluene	130	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene (TCE)	0.7	**0.029**	**0.027**	**0.033**	0.2 U	0.2 U	**0.016 J**	**0.012 J**	0.02 U	**0.016 J**	0.2 U	0.02 U
Trichlorofluoromethane (Fluorotrichloromethane)		1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl acetate		1 UJ	0.2 UJ	0.2 UJ	--	--	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	--	0.2 UJ
Vinyl chloride	0.18	0.02 U	0.02 U	**0.033**	0.2 U	0.2 U	**0.26**	**0.14**	**0.32**	**0.35**	0.2 U	0.02 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-09
	Depth	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.5 – 15.3 ft
	Sample ID	DSI-MW-07-012915	DSI-MW-07-041514	DSI-MW-07-070814	DSI-MW-07-072409	DSI-MW-08-010914	DSI-MW-08-012915	DSI-MW-08-041714	DSI-MW-08-070814	DSI-MW-08-072809	DSI-MW-58-070814	DSI-MW-09-010914
	Sample Date	1/29/2015	4/15/2014	7/8/2014	7/24/2009	1/9/2014	1/29/2015	4/17/2014	7/8/2014	7/28/2009	7/8/2014	1/9/2014
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267953.32	1267953.32	1267953.32	1267953.32	1267967.62	1267967.62	1267967.62	1267967.62	1267967.62	1267967.62	1267963.77
	Y	204463.39	204463.39	204463.39	204463.39	204366.34	204366.34	204366.34	204366.34	204366.34	204366.34	204267.40
	Screening Level											
Volatile Organics (µg/L)												
1,1,1,2-Tetrachloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	50000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.3	0.02 U	0.02 U	0.02 U	0.2 U	**0.046**	0.02 U	**0.033**	**0.034**	0.2 U	**0.03**	0.02 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U
1,1,2-Trichloroethane	0.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	3.2	0.02 U	0.02 U	0.02 U	--	0.02 U	0.02 U	0.02 U	0.02 U	--	0.02 U	0.02 U
1,1-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
1,2,4-Trichlorobenzene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	**0.49**	0.2 U	**0.17 J**	**0.19 J**	0.2 U	**0.18 J**	0.2 U
1,2-Dibromo-3-chloropropane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	5.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	59	0.02 U	0.02 U	0.02 U	0.2 U	**0.016 J**	0.02 U	0.02 U	**0.01 J**	0.2 U	0.02 U	0.02 U
1,2-Dichloroethene, cis-		**0.025**	**0.028**	**0.027**	--	**0.066**	**0.026**	**0.042**	**0.052**	--	**0.05**	0.02 U
1,2-Dichloroethene, trans-	1000	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U	0.02 U
1,2-Dichloropropane	3.1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)		0.2 U	0.2 U	0.2 U	0.2 U	**0.16 J**	0.2 U	0.2 U	**0.11 J**	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, cis-		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U
1,3-Dichloropropene, trans-		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichloro-2-butene, trans-		1 U	1 U	1 UJ	--	1 U	1 U	1 U	1 UJ	--	1 UJ	1 U
1,4-Dichlorobenzene	4.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethylvinyl ether		1 U	1 U	1 UJ	--	1 U	1 U	1 U	1 UJ	--	1 UJ	1 U
2-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Hexanone (Methyl butyl ketone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone		5 U	5 U	**3.5 J**	5 U	5 U	**2.9 J**	5 U	**2.8 J**	**5.2**	5 UJ	5 U
Acrolein	5	5 U	5 U	5 UJ	--	5 U	5 U	5 U	5 UJ	--	5 UJ	5 U
Acrylonitrile	0.05	0.05 U	0.05 U	0.05 U	--	**0.46**	0.05 U	**0.16**	**0.13**	--	**0.12**	0.05 U
Benzene	1.6	0.02 U	0.02 U	0.02 U	0.2 U	**0.044**	**0.39**	**0.51**	**0.26**	0.2 U	**0.25**	**0.022**
Bromobenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	2.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform (Tribromomethane)	12	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	265	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U
Carbon disulfide		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon tetrachloride (Tetrachloromethane)	0.35	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	200	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U
Chloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	15	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.13 J**
Chloromethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-09
	Depth	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.5 – 15.3 ft
	Sample ID	DSI-MW-07-012915	DSI-MW-07-041514	DSI-MW-07-070814	DSI-MW-07-072409	DSI-MW-08-010914	DSI-MW-08-012915	DSI-MW-08-041714	DSI-MW-08-070814	DSI-MW-08-072809	DSI-MW-58-070814	DSI-MW-09-010914
	Sample Date	1/29/2015	4/15/2014	7/8/2014	7/24/2009	1/9/2014	1/29/2015	4/17/2014	7/8/2014	7/28/2009	7/8/2014	1/9/2014
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267953.32	1267953.32	1267953.32	1267953.32	1267967.62	1267967.62	1267967.62	1267967.62	1267967.62	1267967.62	1267963.77
	Y	204463.39	204463.39	204463.39	204463.39	204366.34	204366.34	204366.34	204366.34	204366.34	204366.34	204267.40
	Screening Level											
Cymene, p- (4-Isopropyltoluene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	2.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichloromethane (Methylene chloride)	100	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	**1.1**	0.5 U	1 U	1 U
Ethyl bromide (Bromoethane)		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U
Ethylbenzene	31	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.17 J**	**0.18 J**	0.2 U	**0.19 J**	0.2 U
Ethylene dibromide (1,2-Dibromoethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	0.5 UJ	--	--	--	--	0.5 U	--	--
Isopropylbenzene (Cumene)		0.2 U	0.2 U	0.2 U	0.2 U	**1.4**	**0.34**	**0.63**	**0.59**	**1.2**	**0.65**	0.2 U
m,p-Xylene		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	**0.33 J**	**0.21 J**	0.4 U	0.4 U	0.4 U	0.4 U
Methyl ethyl ketone (2-Butanone)		5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 U
Methyl iodide (Iodomethane)		1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U
Methyl tert-butyl ether (MTBE)		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	81	--	--	--	0.5 U	--	--	**0.42 J**	**1.2**	0.5 U	**1.3**	--
n-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	**0.66**	**0.27 J**	**0.27**	**0.25**	**0.4**	**0.27**	0.2 U
n-Propylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	**1.8**	**0.41**	**0.73**	**0.73**	**1.6**	**0.74**	0.2 U
o-Xylene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.54**	**0.38**	**0.37**	**0.2**	**0.36**	0.2 U
sec-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	**1.1**	**0.34**	**0.46**	**0.43**	**0.7**	**0.5**	0.2 U
Styrene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene (PCE)	2.9	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U	0.02 U
Toluene	130	0.2 U	**0.11 J**	**0.93**	0.2 U	**0.1 J**	0.2 U	**0.11 J**	0.2 U	**0.4**	0.2 U	0.2 U
Trichloroethene (TCE)	0.7	0.02 U	0.02 U	0.02 U	0.2 U	**0.034**	0.02 U	**0.024**	**0.021**	0.2 U	**0.019 J**	0.02 U
Trichlorofluoromethane (Fluorotrichloromethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl acetate		0.2 UJ	0.2 UJ	0.2 UJ	--	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	--	0.2 UJ	0.2 UJ
Vinyl chloride	0.18	0.02 U	0.02 U	**0.025**	0.2 U	**0.032**	0.02 U	0.02 U	**0.023**	0.2 U	**0.02**	0.02 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSI-MW-10
	Depth	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft
	Sample ID	DSI-MW-09-012915	DSI-MW-09-04142014	DSI-MW-09-070914	DSI-MW-09-072809	DSI-MW-10-010914	DSI-MW-10-012915	DSI-MW-10-041614	DSI-MW-10-071114	DSI-MW-10-072809	DSI-MW-60-041614
	Sample Date	1/29/2015	4/14/2014	7/9/2014	7/28/2009	1/9/2014	1/29/2015	4/16/2014	7/11/2014	7/28/2009	4/16/2014
	Sample Type	N	N	N	N	N	N	N	N	N	FD
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267963.77	1267963.77	1267963.77	1267963.77	1267964.60	1267964.60	1267964.60	1267964.60	1267964.60	1267964.60
	Y	204267.40	204267.40	204267.40	204267.40	204275.46	204275.46	204275.46	204275.46	204275.46	204275.46
	Screening Level										
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	50000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.3	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U
1,1,2-Trichloroethane	0.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	3.2	0.02 U	0.02 U	0.02 U	--	0.02 U	0.02 U	0.02 U	0.02 U	--	0.02 U
1,1-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	5.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	59	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U
1,2-Dichloroethene, cis-		**0.014 J**	**0.012 J**	**0.015 J**	--	0.02 U	0.02 U	0.02 U	0.02 U	--	0.02 U
1,2-Dichloroethene, trans-	1000	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U
1,2-Dichloropropane	3.1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, cis-		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U
1,3-Dichloropropene, trans-		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichloro-2-butene, trans-		1 U	1 U	1 UJ	--	1 U	1 U	1 U	1 U	--	1 U
1,4-Dichlorobenzene	4.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethylvinyl ether		1 U	1 U	1 UJ	--	1 U	1 U	1 U	1 U	--	1 U
2-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Hexanone (Methyl butyl ketone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone		5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	**3.6 J**	5 U	5 U
Acrolein	5	5 U	5 U	5 U	--	5 U	5 U	5 U	5 UJ	--	5 U
Acrylonitrile	0.05	0.05 U	0.05 U	0.05 U	--	0.05 U	0.05 U	0.05 U	0.05 U	--	0.05 U
Benzene	1.6	**0.058**	**0.11 J**	**0.032**	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U
Bromobenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	2.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform (Tribromomethane)	12	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	265	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	1 U
Carbon disulfide		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon tetrachloride (Tetrachloromethane)	0.35	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	200	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U
Chloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U
Chloroform	15	0.2 U	0.2 U	**0.41**	**0.2**	0.2 U	0.2 U	0.2 U	0.2 U	**0.2**	0.2 U
Chloromethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSI-MW-10
	Depth	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft
	Sample ID	DSI-MW-09-012915	DSI-MW-09-04142014	DSI-MW-09-070914	DSI-MW-09-072809	DSI-MW-10-010914	DSI-MW-10-012915	DSI-MW-10-041614	DSI-MW-10-071114	DSI-MW-10-072809	DSI-MW-60-041614
	Sample Date	1/29/2015	4/14/2014	7/9/2014	7/28/2009	1/9/2014	1/29/2015	4/16/2014	7/11/2014	7/28/2009	4/16/2014
	Sample Type	N	N	N	N	N	N	N	N	N	FD
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267963.77	1267963.77	1267963.77	1267963.77	1267964.60	1267964.60	1267964.60	1267964.60	1267964.60	1267964.60
	Y	204267.40	204267.40	204267.40	204267.40	204275.46	204275.46	204275.46	204275.46	204275.46	204275.46
	Screening Level										
Cymene, p- (4-Isopropyltoluene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	2.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichloromethane (Methylene chloride)	100	1 U	1 U	**0.67 J**	0.5 U	1 U	1 U	1 U	1 U	0.5 U	1 U
Ethyl bromide (Bromoethane)		0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U
Ethylbenzene	31	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylene dibromide (1,2-Dibromoethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	0.5 U	--	--	--	--	0.5 U	--
Isopropylbenzene (Cumene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methyl ethyl ketone (2-Butanone)		5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl iodide (Iodomethane)		1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U
Methyl tert-butyl ether (MTBE)		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	81	--	--	--	0.5 U	--	--	--	--	0.5 U	--
n-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene (PCE)	2.9	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U
Toluene	130	0.2 U	0.2 U	0.2 U	**0.4**	0.2 U	0.2 U	0.2 U	0.2 U	**0.5**	0.2 U
Trichloroethene (TCE)	0.7	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U
Trichlorofluoromethane (Fluorotrichloromethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl acetate		0.2 UJ	0.2 UJ	0.2 UJ	--	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	--	0.2 UJ
Vinyl chloride	0.18	**0.016 J**	0.02 U	0.02 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-08_1311
	Depth	5.7 – 15.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	18 – 28 ft
	Sample ID	DSIP2-02-MW-010714	DSIP2-02-MW-012815	DSIP2-02-MW-041614	DSIP2-02-MW-070914	DSIP2-06-MW-010814	DSIP2-06-MW-012815	DSIP2-06-MW-041414	DSIP2-06-MW-070814	DSIP2-08-MW-010814
	Sample Date	1/7/2014	1/28/2015	4/16/2014	7/9/2014	1/8/2014	1/28/2015	4/14/2014	7/8/2014	1/8/2014
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267562.38	1267562.38	1267562.38	1267562.38	1267821.70	1267821.70	1267821.70	1267821.70	1267991.80
	Y	204456.85	204456.85	204456.85	204456.85	204456.60	204456.60	204456.60	204456.60	204592.40
	Screening Level									
Volatile Organics (µg/L)										
1,1,1,2-Tetrachloroethane		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	50000	0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.3	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.21**	0.02 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 UJ	0.2 U	0.2 U
1,1,2-Trichloroethane	0.9	0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	3.2	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,1-Dichloropropene		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene		0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane		0.5 UJ	2.5 U	0.5 U	0.5 U	0.5 UJ	2.5 U	0.5 U	0.5 U	0.5 UJ
1,2,4-Trichlorobenzene	0.5	0.5 U	--	0.5 U	0.5 U	0.5 U	--	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	**0.19 J**	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane		0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	5.6	0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	59	0.02 U	0.02 U	0.02 U	0.02 U	**0.027**	**0.093**	**0.015 J**	**0.02**	0.02 U
1,2-Dichloroethene, cis-		**0.15 J**	**0.8 J**	**0.52**	**0.51**	**0.018 J**	**0.01 J**	**0.016 J**	**0.017 J**	**0.042**
1,2-Dichloroethene, trans-	1000	0.02 U	**0.018 J**	**0.016 J**	**0.016 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,2-Dichloropropane	3.1	0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	2	0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, cis-		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, trans-		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
1,4-Dichloro-2-butene, trans-		1 U	5 U	1 U	1 UJ	1 U	5 U	1 U	1 UJ	1 U
1,4-Dichlorobenzene	4.8	0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	**0.12 J**	**0.11 J**	0.2 U
2,2-Dichloropropane		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 UJ	0.2 U	0.2 U
2-Chloroethylvinyl ether		1 U	5 U	1 U	1 UJ	1 U	5 U	1 U	1 UJ	1 U
2-Chlorotoluene		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
2-Hexanone (Methyl butyl ketone)		5 U	25 U	5 U	5 U	5 U	25 U	5 UJ	5 U	5 U
4-Chlorotoluene		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		5 U	25 U	5 U	5 U	5 U	25 U	5 U	5 U	5 U
Acetone		5 U	25 U	5 U	5 UJ	5 U	25 U	**4.8 J**	**3.8 J**	5 U
Acrolein	5	5 U	25 UJ	5 U	5 U	5 U	25 UJ	5 UJ	5 UJ	5 U
Acrylonitrile	0.05	0.05 U	**0.035 J**	**0.029 J**	0.05 U	**0.083**	**0.19**	0.05 U	0.05 U	0.05 U
Benzene	1.6	0.02 U	**0.068**	**0.062**	**0.071**	**0.024**	**0.031**	**0.02**	**0.033**	**0.04**
Bromobenzene		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Bromochloromethane		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	2.8	0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Bromoform (Tribromomethane)	12	0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	265	1 U	5 UJ	1 U	1 U	1 U	5 UJ	1 UJ	1 U	1 U
Carbon disulfide		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Carbon tetrachloride (Tetrachloromethane)	0.35	0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	200	0.2 U	1 U	0.2 U	0.2 U	**0.31**	1 U	**0.21**	**0.19 J**	0.2 U
Chloroethane		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Chloroform	15	0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Chloromethane		0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-02_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-06_1311	DSIP2-08_1311
	Depth	5.7 – 15.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5.7 – 15.7 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	18 – 28 ft
	Sample ID	DSIP2-02-MW-010714	DSIP2-02-MW-012815	DSIP2-02-MW-041614	DSIP2-02-MW-070914	DSIP2-06-MW-010814	DSIP2-06-MW-012815	DSIP2-06-MW-041414	DSIP2-06-MW-070814	DSIP2-08-MW-010814
	Sample Date	1/7/2014	1/28/2015	4/16/2014	7/9/2014	1/8/2014	1/28/2015	4/14/2014	7/8/2014	1/8/2014
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267562.38	1267562.38	1267562.38	1267562.38	1267821.70	1267821.70	1267821.70	1267821.70	1267991.80
	Y	204456.85	204456.85	204456.85	204456.85	204456.60	204456.60	204456.60	204456.60	204592.40
	Screening Level									
Cymene, p- (4-Isopropyltoluene)		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	2.2	0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Dibromomethane		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 UJ	0.2 U	0.2 U
Dichloromethane (Methylene chloride)	100	1 U	5 U	1 U	**1.1**	1 U	5 U	1 U	**0.79 J**	1 U
Ethyl bromide (Bromoethane)		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	31	0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Ethylene dibromide (1,2-Dibromoethane)		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene (Cumene)		0.2 U	1 U	0.2 U	0.2 U	**1.4**	**2.8**	**0.47**	**0.21**	0.2 U
m,p-Xylene		0.4 U	2 U	0.4 U	0.4 U	0.4 U	2 U	0.4 U	0.4 U	0.4 U
Methyl ethyl ketone (2-Butanone)		5 U	25 U	5 U	5 UJ	5 U	25 U	5 U	5 UJ	5 U
Methyl iodide (Iodomethane)		1 U	5 U	1 U	1 U	1 U	5 U	1 UJ	1 U	1 U
Methyl tert-butyl ether (MTBE)		0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	81	--	--	--	--	--	--	--	--	--
n-Butylbenzene		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene		0.2 U	1 U	0.2 U	0.2 U	**3.4**	**5**	**1.1**	**0.49**	0.2 U
o-Xylene		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene		0.2 U	1 U	0.2 U	0.2 U	**1.7**	**3.4**	**0.63**	**0.4**	0.2 U
Styrene		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene		0.2 U	1 U	0.2 U	0.2 U	**0.52**	**1.1**	**0.28**	**0.24**	0.2 U
Tetrachloroethene (PCE)	2.9	**0.16**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Toluene	130	0.2 U	1 U	0.2 U	0.2 U	**0.21**	1 U	0.2 U	0.2 U	0.2 U
Trichloroethene (TCE)	0.7	**0.067**	**0.027**	**0.02**	**0.02 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Trichlorofluoromethane (Fluorotrichloromethane)		0.2 U	1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Vinyl acetate		0.2 UJ	1 UJ	0.2 UJ	0.2 UJ	0.2 UJ	1 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Vinyl chloride	0.18	0.02 U	**0.52**	**0.41**	**0.45**	**0.21**	0.02 U	0.02 U	0.02 U	**0.02**

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-15_1311
	Depth	18 – 28 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	5.3 – 15.3 ft	5.3 – 15.3 ft	5.3 – 15.3 ft	5.3 – 15.3 ft	19.1 – 29.1 ft
	Sample ID	DSIP2-08-MW-012815	DSIP2-08-MW-041614	DSIP2-08-MW-071014	DSIP2-58-MW-010814	DSIP2-13-MW-010614	DSIP2-13-MW-012815	DSIP2-13-MW-041514	DSIP2-13-MW-070814	DSIP2-15-MW-010614
	Sample Date	1/28/2015	4/16/2014	7/10/2014	1/8/2014	1/6/2014	1/28/2015	4/15/2014	7/8/2014	1/6/2014
	Sample Type	N	N	N	FD	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267991.80	1267991.80	1267991.80	1267991.80	1267446.25	1267446.25	1267446.25	1267446.25	1267509.17
	Y	204592.40	204592.40	204592.40	204592.40	204365.45	204365.45	204365.45	204365.45	204385.33
	Screening Level									
Volatile Organics (µg/L)										
1,1,1,2-Tetrachloroethane		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
1,1,1-Trichloroethane	50000	1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
1,1,2,2-Tetrachloroethane	0.3	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.1 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
1,1,2-Trichloroethane	0.9	1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
1,1-Dichloroethane		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
1,1-Dichloroethene	3.2	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.1 U
1,1-Dichloropropene		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
1,2,3-Trichlorobenzene		2.5 U	5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	5 U
1,2,3-Trichloropropane		2.5 U	5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.5 U	0.5 U	5 U
1,2,4-Trichlorobenzene	0.5	--	--	0.5 U	0.5 U	0.5 U	--	0.5 U	0.5 U	--
1,2,4-Trimethylbenzene		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
1,2-Dibromo-3-chloropropane		2.5 U	5 U	0.5 U	0.5 U	0.5 UJ	2.5 U	0.5 U	0.5 U	5 UJ
1,2-Dichlorobenzene	5.6	1 U	--	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	--
1,2-Dichloroethane	59	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.1 U
1,2-Dichloroethene, cis-		**0.047**	**0.042**	**0.04**	**0.041**	**0.2**	**0.18**	**0.12**	**0.098**	0.1 U
1,2-Dichloroethene, trans-	1000	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.1 U
1,2-Dichloropropane	3.1	1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
1,3,5-Trimethylbenzene (Mesitylene)		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
1,3-Dichlorobenzene	2	1 U	1 UJ	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	1 UJ
1,3-Dichloropropane		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
1,3-Dichloropropene, cis-		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
1,3-Dichloropropene, trans-		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
1,4-Dichloro-2-butene, trans-		5 U	10 U	1 UJ	1 U	1 U	5 U	1 U	1 UJ	10 U
1,4-Dichlorobenzene	4.8	1 U	--	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	--
2,2-Dichloropropane		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
2-Chloroethylvinyl ether		5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 UJ	10 U
2-Chlorotoluene		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
2-Hexanone (Methyl butyl ketone)		25 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	50 U
4-Chlorotoluene		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		25 U	50 U	5 U	5 U	5 U	25 U	5 U	5 U	50 U
Acetone		25 U	50 U	5 U	5 U	5 U	25 U	5 U	5 UJ	50 U
Acrolein	5	25 UJ	50 U	5 UJ	5 U	5 U	25 UJ	5 U	5 UJ	50 U
Acrylonitrile	0.05	0.05 U	0.05 U	0.05 U	**0.016 J**	0.05 U	0.05 U	0.05 U	0.05 U	0.25 U
Benzene	1.6	0.02 U	**0.019 J**	**0.014 J**	**0.039**	**0.015 J**	**0.013 J**	**0.012 J**	**0.01 J**	0.1 U
Bromobenzene		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Bromochloromethane		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Bromodichloromethane	2.8	1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Bromoform (Tribromomethane)	12	1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Bromomethane (Methyl bromide)	265	5 UJ	10 U	1 U	1 U	1 U	5 UJ	1 U	1 U	10 U
Carbon disulfide		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Carbon tetrachloride (Tetrachloromethane)	0.35	1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Chlorobenzene	200	1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Chloroethane		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Chloroform	15	1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Chloromethane		2.5 U	5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	5 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-13_1311	DSIP2-15_1311
	Depth	18 – 28 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	5.3 – 15.3 ft	5.3 – 15.3 ft	5.3 – 15.3 ft	5.3 – 15.3 ft	19.1 – 29.1 ft
	Sample ID	DSIP2-08-MW-012815	DSIP2-08-MW-041614	DSIP2-08-MW-071014	DSIP2-58-MW-010814	DSIP2-13-MW-010614	DSIP2-13-MW-012815	DSIP2-13-MW-041514	DSIP2-13-MW-070814	DSIP2-15-MW-010614
	Sample Date	1/28/2015	4/16/2014	7/10/2014	1/8/2014	1/6/2014	1/28/2015	4/15/2014	7/8/2014	1/6/2014
	Sample Type	N	N	N	FD	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267991.80	1267991.80	1267991.80	1267991.80	1267446.25	1267446.25	1267446.25	1267446.25	1267509.17
	Y	204592.40	204592.40	204592.40	204592.40	204365.45	204365.45	204365.45	204365.45	204385.33
	Screening Level									
Cymene, p- (4-Isopropyltoluene)		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Dibromochloromethane	2.2	1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Dibromomethane		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Dichlorodifluoromethane		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Dichloromethane (Methylene chloride)	100	5 U	10 U	**0.64 J**	1 U	1 U	5 U	1 U	**0.7 J**	10 U
Ethyl bromide (Bromoethane)		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Ethylbenzene	31	1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Ethylene dibromide (1,2-Dibromoethane)		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	--
Isopropylbenzene (Cumene)		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
m,p-Xylene		2 U	4 U	0.4 U	0.4 U	0.4 U	2 U	0.4 U	0.4 U	4 U
Methyl ethyl ketone (2-Butanone)		25 U	50 U	5 U	5 U	5 U	25 U	5 U	5 UJ	50 U
Methyl iodide (Iodomethane)		5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U	10 U
Methyl tert-butyl ether (MTBE)		2.5 U	5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	5 U
Naphthalene	81	--	--	--	--	--	**1.6 J**	**0.72 J**	--	--
n-Butylbenzene		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
n-Propylbenzene		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
o-Xylene		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
sec-Butylbenzene		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Styrene		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
tert-Butylbenzene		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Tetrachloroethene (PCE)	2.9	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.011 J**	0.02 U	0.1 U
Toluene	130	1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Trichloroethene (TCE)	0.7	0.02 U	0.02 U	0.02 U	0.02 U	**0.03**	**0.022**	**0.023**	**0.029**	0.1 U
Trichlorofluoromethane (Fluorotrichloromethane)		1 U	2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	2 U
Vinyl acetate		1 UJ	2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	1 UJ	0.2 UJ	0.2 UJ	2 UJ
Vinyl chloride	0.18	**0.013 J**	**0.01 J**	0.02 U	**0.021**	**0.094**	**0.13**	**0.072**	**0.026**	**0.053 J**

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311
	Depth	19.1 – 29.1 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft
	Sample ID	DSIP2-15-MW-012815	DSIP2-15-MW-041514	DSIP2-15-MW-070914	DSIP2-16-MW-010614	DSIP2-16-MW-013015	DSIP2-16-MW-041514	DSIP2-16-MW-070814	DSIP2-66-MW-013015	DSIP2-66-MW-041514
	Sample Date	1/28/2015	4/15/2014	7/9/2014	1/6/2014	1/30/2015	4/15/2014	7/8/2014	1/30/2015	4/15/2014
	Sample Type	N	N	N	N	N	N	N	FD	FD
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267509.17	1267509.17	1267509.17	1267562.84	1267562.84	1267562.84	1267562.84	1267562.84	1267562.84
	Y	204385.33	204385.33	204385.33	204360.20	204360.20	204360.20	204360.20	204360.20	204360.20
	Screening Level									
Volatile Organics (µg/L)										
1,1,1,2-Tetrachloroethane		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	50000	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.3	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.017 J**	**0.016 J**	**0.025**	**0.019 J**
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	0.9	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	3.2	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,1-Dichloropropene		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane		2.5 U	2.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	5.6	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	59	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,2-Dichloroethene, cis-		**0.016 J**	**0.024**	**0.02**	**0.1**	**0.054**	**0.049**	**0.075**	**0.053**	**0.052**
1,2-Dichloroethene, trans-	1000	0.02 U	0.02 U	0.02 U	**0.029**	**0.014 J**	**0.011 J**	**0.015 J**	**0.012 J**	**0.012 J**
1,2-Dichloropropane	3.1	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	2	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, cis-		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, trans-		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichloro-2-butene, trans-		5 U	5 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U
1,4-Dichlorobenzene	4.8	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethylvinyl ether		5 U	5 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U
2-Chlorotoluene		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Hexanone (Methyl butyl ketone)		25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone		25 U	25 U	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 U
Acrolein	5	25 UJ	25 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
Acrylonitrile	0.05	0.05 U	0.05 U	0.05 U	0.05 U	**0.12**	0.05 U	**0.049 J**	**0.12**	0.05 U
Benzene	1.6	0.02 U	0.02 U	0.02 U	**0.024**	**0.032**	**0.011 J**	**0.44**	**0.029**	**0.011 J**
Bromobenzene		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	2.8	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform (Tribromomethane)	12	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	265	5 UJ	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon tetrachloride (Tetrachloromethane)	0.35	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	200	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	15	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSIP2-15_1311	DSIP2-15_1311	DSIP2-15_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311	DSIP2-16_1311
	Depth	19.1 – 29.1 ft	19.1 – 29.1 ft	19.1 – 29.1 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft
	Sample ID	DSIP2-15-MW-012815	DSIP2-15-MW-041514	DSIP2-15-MW-070914	DSIP2-16-MW-010614	DSIP2-16-MW-013015	DSIP2-16-MW-041514	DSIP2-16-MW-070814	DSIP2-66-MW-013015	DSIP2-66-MW-041514
	Sample Date	1/28/2015	4/15/2014	7/9/2014	1/6/2014	1/30/2015	4/15/2014	7/8/2014	1/30/2015	4/15/2014
	Sample Type	N	N	N	N	N	N	N	FD	FD
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267509.17	1267509.17	1267509.17	1267562.84	1267562.84	1267562.84	1267562.84	1267562.84	1267562.84
	Y	204385.33	204385.33	204385.33	204360.20	204360.20	204360.20	204360.20	204360.20	204360.20
	Screening Level									
Cymene, p- (4-Isopropyltoluene)		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	2.2	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichloromethane (Methylene chloride)	100	5 U	5 U	1 U	1 U	1 U	1 U	**1**	1 U	1 U
Ethyl bromide (Bromoethane)		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	31	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylene dibromide (1,2-Dibromoethane)		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene (Cumene)		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene		2 U	2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methyl ethyl ketone (2-Butanone)		25 U	25 U	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 U
Methyl iodide (Iodomethane)		5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether (MTBE)		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	81	--	--	--	--	--	--	--	--	--
n-Butylbenzene		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene (PCE)	2.9	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Toluene	130	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene (TCE)	0.7	0.02 U	0.02 U	0.02 U	**0.012 J**	**0.017 J**	**0.012 J**	**0.011 J**	**0.017 J**	**0.013 J**
Trichlorofluoromethane (Fluorotrichloromethane)		1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl acetate		1 UJ	1 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Vinyl chloride	0.18	**0.038**	**0.037**	**0.034**	**0.6**	**0.068**	**0.046**	**0.24**	**0.079**	**0.047**

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-20_1312
	Depth	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	4.8 – 14.8 ft	4.8 – 14.8 ft	4.8 – 14.8 ft	4.8 – 14.8 ft	5 – 15 ft
	Sample ID	DSIP2-17-MW-010714	DSIP2-17-MW-012915	DSIP2-17-MW-041714	DSIP2-17-MW-070714	DSIP2-19-MW-010714	DSIP2-19-MW-012915	DSIP2-19-MW-041414	DSIP2-19-MW-070714	DSIP2-20-MW-010714
	Sample Date	1/7/2014	1/29/2015	4/17/2014	7/7/2014	1/7/2014	1/29/2015	4/14/2014	7/7/2014	1/7/2014
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267480.85	1267480.85	1267480.85	1267480.85	1267489.96	1267489.96	1267489.96	1267489.96	1267608.74
	Y	204502.28	204502.28	204502.28	204502.28	204622.78	204622.78	204622.78	204622.78	204585.93
	Screening Level									
Volatile Organics (µg/L)										
1,1,1,2-Tetrachloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	50000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.3	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.018 J**
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U
1,1,2-Trichloroethane	0.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	3.2	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,1-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene		0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
1,2,3-Trichloropropane		0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ
1,2,4-Trichlorobenzene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	5.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	59	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,2-Dichloroethene, cis-		**0.038**	**0.05**	**0.089**	**0.062**	**0.024**	**0.016 J**	**0.014 J**	**0.024**	**0.33**
1,2-Dichloroethene, trans-	1000	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,2-Dichloropropane	3.1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, cis-		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, trans-		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichloro-2-butene, trans-		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	4.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U
2-Chloroethylvinyl ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Hexanone (Methyl butyl ketone)		5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
4-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone		**3.5 J**	5 U	**6.6**	5 U	5 U	5 U	5 U	5 U	5 U
Acrolein	5	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U
Acrylonitrile	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Benzene	1.6	0.02 U	0.02 U	**0.013 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.013 J**
Bromobenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	2.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform (Tribromomethane)	12	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	265	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Carbon disulfide		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon tetrachloride (Tetrachloromethane)	0.35	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	200	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	15	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-17_1311	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-20_1312
	Depth	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	5.2 – 15.2 ft	4.8 – 14.8 ft	4.8 – 14.8 ft	4.8 – 14.8 ft	4.8 – 14.8 ft	5 – 15 ft
	Sample ID	DSIP2-17-MW-010714	DSIP2-17-MW-012915	DSIP2-17-MW-041714	DSIP2-17-MW-070714	DSIP2-19-MW-010714	DSIP2-19-MW-012915	DSIP2-19-MW-041414	DSIP2-19-MW-070714	DSIP2-20-MW-010714
	Sample Date	1/7/2014	1/29/2015	4/17/2014	7/7/2014	1/7/2014	1/29/2015	4/14/2014	7/7/2014	1/7/2014
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267480.85	1267480.85	1267480.85	1267480.85	1267489.96	1267489.96	1267489.96	1267489.96	1267608.74
	Y	204502.28	204502.28	204502.28	204502.28	204622.78	204622.78	204622.78	204622.78	204585.93
	Screening Level									
Cymene, p- (4-Isopropyltoluene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	2.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U
Dichloromethane (Methylene chloride)	100	1 U	1 U	1 U	1 U	1 U	**0.74 J**	**0.67 J**	1 U	1 U
Ethyl bromide (Bromoethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	31	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylene dibromide (1,2-Dibromoethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene (Cumene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methyl ethyl ketone (2-Butanone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl iodide (Iodomethane)		1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Methyl tert-butyl ether (MTBE)		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	81	--	--	--	--	--	--	--	--	--
n-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene (PCE)	2.9	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.051**	**0.025**	**0.011 J**	**0.4**
Toluene	130	0.2 U	0.2 U	**0.18 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene (TCE)	0.7	0.02 U	**0.011 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.084**
Trichlorofluoromethane (Fluorotrichloromethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl acetate		0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Vinyl chloride	0.18	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.042**

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-25_1311	DSIP2-25_1311
	Depth	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft
	Sample ID	DSIP2-20-MW-012915	DSIP2-20-MW-041614	DSIP2-20-MW-070714	DSIP2-23-MW-010814	DSIP2-23-MW-012915	DSIP2-23-MW-041614	DSIP2-23-MW-070714	DSIP2-25-MW-010814	DSIP2-25-MW-012815
	Sample Date	1/29/2015	4/16/2014	7/7/2014	1/8/2014	1/29/2015	4/16/2014	7/7/2014	1/8/2014	1/28/2015
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267608.74	1267608.74	1267608.74	1267680.39	1267680.39	1267680.39	1267680.39	1267844.52	1267844.52
	Y	204585.93	204585.93	204585.93	204601.37	204601.37	204601.37	204601.37	204565.36	204565.36
	Screening Level									
Volatile Organics (µg/L)										
1,1,1,2-Tetrachloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
1,1,1-Trichloroethane	50000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
1,1,2,2-Tetrachloroethane	0.3	**0.017 J**	**0.016 J**	**0.022**	**0.011 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
1,1,2-Trichloroethane	0.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
1,1-Dichloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
1,1-Dichloroethene	3.2	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,1-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
1,2,3-Trichlorobenzene		0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U
1,2,3-Trichloropropane		0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	2.5 U
1,2,4-Trichlorobenzene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
1,2,4-Trimethylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
1,2-Dibromo-3-chloropropane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
1,2-Dichlorobenzene	5.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
1,2-Dichloroethane	59	0.02 U	0.02 U	0.02 U	**0.03**	**0.026**	**0.023**	**0.028**	0.02 U	0.02 U
1,2-Dichloroethene, cis-		**0.25**	**0.24**	**0.26**	**0.53**	**0.5**	**0.35**	**0.47**	**0.28**	**0.55 J**
1,2-Dichloroethene, trans-	1000	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,2-Dichloropropane	3.1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**5.6**	0.2 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
1,3-Dichlorobenzene	2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
1,3-Dichloropropane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
1,3-Dichloropropene, cis-		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
1,3-Dichloropropene, trans-		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
1,4-Dichloro-2-butene, trans-		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
1,4-Dichlorobenzene	4.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
2,2-Dichloropropane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
2-Chloroethylvinyl ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
2-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
2-Hexanone (Methyl butyl ketone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
4-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Acetone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Acrolein	5	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ	5 U	25 UJ
Acrylonitrile	0.05	0.05 U	0.05 U	0.05 U	**0.073**	**0.057**	**0.048 J**	**0.047 J**	**0.028 J**	0.05 U
Benzene	1.6	**0.01 J**	**0.01 J**	**0.011 J**	**0.014 J**	**0.019 J**	**0.014 J**	**0.015 J**	**0.038**	**0.016 J**
Bromobenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Bromochloromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Bromodichloromethane	2.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Bromoform (Tribromomethane)	12	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Bromomethane (Methyl bromide)	265	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 UJ
Carbon disulfide		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Carbon tetrachloride (Tetrachloromethane)	0.35	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Chlorobenzene	200	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Chloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Chloroform	15	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Chloromethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.15 J**	2.5 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-23_1312	DSIP2-25_1311	DSIP2-25_1311
	Depth	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft
	Sample ID	DSIP2-20-MW-012915	DSIP2-20-MW-041614	DSIP2-20-MW-070714	DSIP2-23-MW-010814	DSIP2-23-MW-012915	DSIP2-23-MW-041614	DSIP2-23-MW-070714	DSIP2-25-MW-010814	DSIP2-25-MW-012815
	Sample Date	1/29/2015	4/16/2014	7/7/2014	1/8/2014	1/29/2015	4/16/2014	7/7/2014	1/8/2014	1/28/2015
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267608.74	1267608.74	1267608.74	1267680.39	1267680.39	1267680.39	1267680.39	1267844.52	1267844.52
	Y	204585.93	204585.93	204585.93	204601.37	204601.37	204601.37	204601.37	204565.36	204565.36
	Screening Level									
Cymene, p- (4-Isopropyltoluene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Dibromochloromethane	2.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Dibromomethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Dichlorodifluoromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Dichloromethane (Methylene chloride)	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Ethyl bromide (Bromoethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Ethylbenzene	31	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Ethylene dibromide (1,2-Dibromoethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Isopropylbenzene (Cumene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
m,p-Xylene		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2 U
Methyl ethyl ketone (2-Butanone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Methyl iodide (Iodomethane)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Methyl tert-butyl ether (MTBE)		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Naphthalene	81	--	--	--	--	--	--	--	--	--
n-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
n-Propylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
o-Xylene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
sec-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Styrene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
tert-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Tetrachloroethene (PCE)	2.9	**0.32**	**0.32**	**0.31**	**0.15**	**0.19 J**	**0.19 J**	**0.29**	**0.041**	**0.12**
Toluene	130	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**14**	1 U
Trichloroethene (TCE)	0.7	**0.083**	**0.058**	**0.079**	**0.097**	**0.1**	**0.13 J**	**0.12**	**0.11 J**	**0.16**
Trichlorofluoromethane (Fluorotrichloromethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Vinyl acetate		0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	1 UJ
Vinyl chloride	0.18	**0.029**	**0.02**	**0.017 J**	**0.27**	**0.23**	**0.14**	**0.18**	**0.22**	**0.048**

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSIP2-25_1311	DSIP2-25_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-28_1312	DSIP2-28_1312
	Depth	5 – 15 ft	5 – 15 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	17.5 – 27.5 ft	17.5 – 27.5 ft
	Sample ID	DSIP2-25-MW-041714	DSIP2-25-MW-071014	DSIP2-27-MW-010614	DSIP2-27-MW-012815	DSIP2-27-MW-041714	DSIP2-27-MW-071014	DSIP2-67-MW-010614	DSIP2-28-MW-010914	DSIP2-28-MW-012915
	Sample Date	4/17/2014	7/10/2014	1/6/2014	1/28/2015	4/17/2014	7/10/2014	1/6/2014	1/9/2014	1/29/2015
	Sample Type	N	N	N	N	N	N	FD	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267844.52	1267844.52	1267800.30	1267800.30	1267800.30	1267800.30	1267800.30	1267985.36	1267985.36
	Y	204565.36	204565.36	204380.32	204380.32	204380.32	204380.32	204380.32	204392.42	204392.42
	Screening Level									
Volatile Organics (µg/L)										
1,1,1,2-Tetrachloroethane		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	50000	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.3	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.02 J**	**0.029**
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	0.9	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	3.2	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,1-Dichloropropene		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene		0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane		0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
1,2,4-Trichlorobenzene	0.5	0.5 U	0.5 U	0.5 U	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane		0.5 U	0.5 U	0.5 UJ	2.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
1,2-Dichlorobenzene	5.6	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	59	0.02 U	**0.013 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.012 J**	**0.017 J**
1,2-Dichloroethene, cis-		**0.27**	**0.27**	**0.05**	**0.026**	**0.043**	**0.036**	**0.051**	**0.035**	**0.067**
1,2-Dichloroethene, trans-	1000	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,2-Dichloropropane	3.1	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	2	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, cis-		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, trans-		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichloro-2-butene, trans-		1 U	1 UJ	1 U	5 U	1 U	1 UJ	1 U	1 U	1 U
1,4-Dichlorobenzene	4.8	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethylvinyl ether		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Hexanone (Methyl butyl ketone)		5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U
Acetone		5 U	5 U	5 U	25 U	5 U	**3.7 J**	5 U	**4.9 J**	5 U
Acrolein	5	5 U	5 UJ	5 U	25 UJ	5 U	5 UJ	5 U	5 U	5 U
Acrylonitrile	0.05	0.05 U	0.05 U	**0.13**	**0.11**	**0.087**	0.05 U	**0.13**	**0.42**	**0.27**
Benzene	1.6	**0.015 J**	**0.035**	**0.03**	**0.023**	**0.02**	**0.017 J**	**0.029**	**0.012 J**	**0.016 J**
Bromobenzene		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	2.8	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform (Tribromomethane)	12	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	265	1 U	1 U	1 U	5 UJ	1 U	1 U	1 U	1 U	1 U
Carbon disulfide		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon tetrachloride (Tetrachloromethane)	0.35	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	200	0.2 U	0.2 U	**0.17 J**	1 U	**0.16 J**	**0.2**	**0.16 J**	0.2 U	0.2 U
Chloroethane		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	15	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane		0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSIP2-25_1311	DSIP2-25_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-27_1311	DSIP2-28_1312	DSIP2-28_1312
	Depth	5 – 15 ft	5 – 15 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	5.4 – 15.4 ft	17.5 – 27.5 ft	17.5 – 27.5 ft
	Sample ID	DSIP2-25-MW-041714	DSIP2-25-MW-071014	DSIP2-27-MW-010614	DSIP2-27-MW-012815	DSIP2-27-MW-041714	DSIP2-27-MW-071014	DSIP2-67-MW-010614	DSIP2-28-MW-010914	DSIP2-28-MW-012915
	Sample Date	4/17/2014	7/10/2014	1/6/2014	1/28/2015	4/17/2014	7/10/2014	1/6/2014	1/9/2014	1/29/2015
	Sample Type	N	N	N	N	N	N	FD	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267844.52	1267844.52	1267800.30	1267800.30	1267800.30	1267800.30	1267800.30	1267985.36	1267985.36
	Y	204565.36	204565.36	204380.32	204380.32	204380.32	204380.32	204380.32	204392.42	204392.42
	Screening Level									
Cymene, p- (4-Isopropyltoluene)		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	2.2	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichloromethane (Methylene chloride)	100	1 U	**1**	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Ethyl bromide (Bromoethane)		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	31	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylene dibromide (1,2-Dibromoethane)		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene (Cumene)		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.49**
m,p-Xylene		0.4 U	0.4 U	0.4 U	2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methyl ethyl ketone (2-Butanone)		5 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U
Methyl iodide (Iodomethane)		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether (MTBE)		0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	81	--	--	--	--	--	--	--	--	--
n-Butylbenzene		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.13 J**
sec-Butylbenzene		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.42**
Styrene		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.11 J**
Tetrachloroethene (PCE)	2.9	**0.12 J**	**0.054**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Toluene	130	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	**0.11 J**	0.2 U
Trichloroethene (TCE)	0.7	**0.13 J**	**0.1**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.013 J**
Trichlorofluoromethane (Fluorotrichloromethane)		0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl acetate		0.2 UJ	0.2 UJ	0.2 UJ	1 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Vinyl chloride	0.18	**0.049**	**0.051**	**0.16**	**0.15**	**0.091**	**0.086**	**0.21**	0.02 U	**0.027**

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSI-PZ-01_1401	DSI-PZ-01_1401
	Depth	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft
	Sample ID	DSIP2-28-MW-041714	DSIP2-28-MW-070914	DSIP2-78-MW-070914	DSIP2-29-MW-010614	DSIP2-29-MW-012815	DSIP2-29-MW-041614	DSIP2-29-MW-071114	DSIP2-79-MW-012815	DSI-P2-01-070714	DSI-PZ-01-010814
	Sample Date	4/17/2014	7/9/2014	7/9/2014	1/6/2014	1/28/2015	4/16/2014	7/11/2014	1/28/2015	7/7/2014	1/8/2014
	Sample Type	N	N	FD	N	N	N	N	FD	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267985.36	1267985.36	1267985.36	1267967.58	1267967.58	1267967.58	1267967.58	1267967.58	1267724.47	1267724.47
	Y	204392.42	204392.42	204392.42	204223.52	204223.52	204223.52	204223.52	204223.52	204468.59	204468.59
	Screening Level										
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	50000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.3	**0.02 J**	**0.018 J**	**0.012 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	0.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.1 J**	0.2 U
1,1-Dichloroethene	3.2	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,1-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
1,2,3-Trichloropropane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
1,2,4-Trichlorobenzene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane		0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	5.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	59	**0.019 J**	**0.012 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,2-Dichloroethene, cis-		**0.038**	**0.033**	**0.024**	0.02 U	0.02 U	0.02 U	0.02 U	**0.011 J**	**0.036**	**0.034**
1,2-Dichloroethene, trans-	1000	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.013 J**	0.02 U
1,2-Dichloropropane	3.1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**5.5**	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, cis-		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, trans-		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichloro-2-butene, trans-		1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	4.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethylvinyl ether		1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Hexanone (Methyl butyl ketone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone		5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
Acrolein	5	5 U	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ	5 UJ	5 U
Acrylonitrile	0.05	**0.34**	**0.22**	**0.15**	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Benzene	1.6	0.02 U	0.02 U	0.02 U	**0.021**	**0.033**	**0.018 J**	**0.017 J**	**0.035**	0.02 U	0.02 U
Bromobenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	2.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform (Tribromomethane)	12	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	265	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 U	1 U
Carbon disulfide		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon tetrachloride (Tetrachloromethane)	0.35	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	200	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U
Chloroform	15	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSI-PZ-01_1401	DSI-PZ-01_1401
	Depth	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft
	Sample ID	DSIP2-28-MW-041714	DSIP2-28-MW-070914	DSIP2-78-MW-070914	DSIP2-29-MW-010614	DSIP2-29-MW-012815	DSIP2-29-MW-041614	DSIP2-29-MW-071114	DSIP2-79-MW-012815	DSI-P2-01-070714	DSI-PZ-01-010814
	Sample Date	4/17/2014	7/9/2014	7/9/2014	1/6/2014	1/28/2015	4/16/2014	7/11/2014	1/28/2015	7/7/2014	1/8/2014
	Sample Type	N	N	FD	N	N	N	N	FD	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267985.36	1267985.36	1267985.36	1267967.58	1267967.58	1267967.58	1267967.58	1267967.58	1267724.47	1267724.47
	Y	204392.42	204392.42	204392.42	204223.52	204223.52	204223.52	204223.52	204223.52	204468.59	204468.59
	Screening Level										
Cymene, p- (4-Isopropyltoluene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	2.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichloromethane (Methylene chloride)	100	1 U	**0.76 J**	**0.83 J**	1 U	1 U	1 U	**0.91 J**	1 U	1 U	1 U
Ethyl bromide (Bromoethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	31	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylene dibromide (1,2-Dibromoethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--
Isopropylbenzene (Cumene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methyl ethyl ketone (2-Butanone)		5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl iodide (Iodomethane)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether (MTBE)		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	81	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene (PCE)	2.9	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Toluene	130	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene (TCE)	0.7	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Trichlorofluoromethane (Fluorotrichloromethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl acetate		0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Vinyl chloride	0.18	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.28**	**0.17**

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSI-PZ-01_1401	DSI-PZ-01_1401	DSIP2-SP-01	DSIP2-SP-02	DSIP2-SP-02
	Depth	5 – 14.7 ft	5 – 14.7 ft	--	--	--
	Sample ID	DSI-PZ-01-013015	DSI-PZ-01-041414	DSIP2-SP-01-072213	DSIP2-SP-02-072213	DSIP2-SP-52-072213
	Sample Date	1/30/2015	4/14/2014	7/22/2013	7/22/2013	7/22/2013
	Sample Type	N	N	N	N	FD
	Matrix	WG	WG	WSP	WSP	WSP
	X	1267724.47	1267724.47	1268019.71	1268017.92	1268017.92
	Y	204468.59	204468.59	204592.17	204545.54	204545.54
	Screening Level					
Volatile Organics (µg/L)						
1,1,1,2-Tetrachloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	50000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.3	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	0.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane		**0.13 J**	**0.13 J**	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	3.2	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,1-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5	0.5 U	0.5 U	--	--	--
1,2,4-Trimethylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	5.6	0.2 U	0.2 U	--	--	--
1,2-Dichloroethane	59	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,2-Dichloroethene, cis-		**0.032**	**0.03**	**0.05**	**0.09**	**0.12 J**
1,2-Dichloroethene, trans-	1000	**0.012 J**	**0.01 J**	0.02 U	0.02 U	0.02 U
1,2-Dichloropropane	3.1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	2	0.2 U	0.2 U	1 U	1 U	1 U
1,3-Dichloropropane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, cis-		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, trans-		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichloro-2-butene, trans-		1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	4.8	0.2 U	0.2 U	--	--	--
2,2-Dichloropropane		0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U
2-Chloroethylvinyl ether		1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Hexanone (Methyl butyl ketone)		5 U	5 UJ	5 U	5 U	5 U
4-Chlorotoluene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		5 U	5 U	5 U	5 U	5 U
Acetone		5 U	5 U	5 U	5 U	5 U
Acrolein	5	5 U	5 UJ	5 UJ	5 UJ	5 UJ
Acrylonitrile	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Benzene	1.6	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Bromobenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	2.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform (Tribromomethane)	12	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	265	1 U	1 UJ	1 U	1 U	1 U
Carbon disulfide		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon tetrachloride (Tetrachloromethane)	0.35	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	200	0.2 U	0.2 U	**0.16 J**	0.2 U	0.2 U
Chloroethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	15	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane		0.5 U	0.5 U	0.5 U	0.5 U	**0.16 J**

Table 7-6e
Groundwater and Seep Results: VOCs

	Location ID	DSI-PZ-01_1401	DSI-PZ-01_1401	DSIP2-SP-01	DSIP2-SP-02	DSIP2-SP-02
	Depth	5 – 14.7 ft	5 – 14.7 ft	--	--	--
	Sample ID	DSI-PZ-01-013015	DSI-PZ-01-041414	DSIP2-SP-01-072213	DSIP2-SP-02-072213	DSIP2-SP-52-072213
	Sample Date	1/30/2015	4/14/2014	7/22/2013	7/22/2013	7/22/2013
	Sample Type	N	N	N	N	FD
	Matrix	WG	WG	WSP	WSP	WSP
	X	1267724.47	1267724.47	1268019.71	1268017.92	1268017.92
	Y	204468.59	204468.59	204592.17	204545.54	204545.54
	Screening Level					
Cymene, p- (4-Isopropyltoluene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	2.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane		0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U
Dichloromethane (Methylene chloride)	100	1 U	1 U	1 U	1 U	1 U
Ethyl bromide (Bromoethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	31	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylene dibromide (1,2-Dibromoethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	--	--
Isopropylbenzene (Cumene)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methyl ethyl ketone (2-Butanone)		5 U	5 U	5 UJ	5 UJ	5 UJ
Methyl iodide (Iodomethane)		1 U	1 UJ	1 U	1 U	1 U
Methyl tert-butyl ether (MTBE)		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	81	--	--	--	--	--
n-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene (PCE)	2.9	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Toluene	130	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene (TCE)	0.7	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Trichlorofluoromethane (Fluorotrichloromethane)		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl acetate		0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Vinyl chloride	0.18	**0.39**	**0.4**	**0.026**	**0.11 J**	**0.083**

Table 7-6e
Groundwater and Seep Results: VOCs

Notes
Detected concentration is greater than the groundwater screening level
Non-detected concentration is above the groundwater screening level
Bold = Detected result
-- = not analyzed
µg/L = micrograms per liter
FD = field duplicate
ft = foot
J = estimated value
N = normal sample
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit
WG = groundwater
WSP = groundwater seep

Table 7-6f
Groundwater and Seep Results: PCBs and Pesticides

		Location ID	MW-4	MW-5	DSI-01	DSI-02	DSI-03	DSI-04	DSI-05	DSI-06	DSI-07	DSI-07	DSI-08	DSI-09
		Depth												
		Sample ID	MW-4-GW-060929	MW-5-GW-060929	DSI01-GW	DSI02-GW	DSI03-GW	DSI04-GW	DSI05-GW	DSI06-GW	DSI07-GW	DSI57-GW	DSI08-GW	DSI09-GW
		Sample Date	9/29/2006	9/29/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/27/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006
		Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
		X	1267474.81	1267494.81	1267483.65	1267482.28	1267538.20	1267677.30	1267664.49	1267832.57	1267843.29	1267843.29	1267815.08	1267972.09
		Y	204675.26	204585.26	204362.38	204484.72	204614.54	204577.53	204414.79	204403.48	204440.17	204440.17	204599.08	204599.10
	Screening Level													
PCB Aroclors (µg/L)														
Aroclor 1016	0.01		0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Aroclor 1221			0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.08 U	0.08 U	0.02 U	0.02 U
Aroclor 1232			0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04 U	0.08 U	0.02 U	0.02 U
Aroclor 1242			0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Aroclor 1248			0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Aroclor 1254	0.01		0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Aroclor 1260	0.03		0.02 U	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 U	0.02 UJ
Total PCB Aroclors (U = 0)	0.025		0.02 U	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.08 UJ	0.08 UJ	0.02 U	0.02 UJ
Pesticides (µg/L)														
4,4'-DDD (p,p'-DDD)	0.1		0.01 U	0.01 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.01 U	0.01 U	0.01 U	0.01 U
4,4'-DDE (p,p'-DDE)	0.1		0.01 U	0.01 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.01 U	0.01 U	0.01 U	0.01 U
4,4'-DDT (p,p'-DDT)	0.1		0.01 U	0.01 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.01 U	0.01 U	0.01 U	0.01 U
Aldrin	0.05		0.005 U	0.005 U	0.0054 U	0.0056 U	0.0055 U	0.0054 U	0.0053 U	0.0055 U	0.005 U	0.005 U	0.005 U	0.005 U
Chlordane, alpha- (Chlordane, cis-)	0.5		0.005 U	0.005 U	0.0054 U	0.0056 U	0.0055 U	0.0054 U	0.0053 U	0.0055 U	0.005 U	0.005 U	0.005 U	0.005 U
Chlordane, beta- (Chlordane, trans-)			--	--	--	--	--	--	--	--	--	--	--	--
Chlordane, gamma-			0.005 U	0.005 U	0.0054 U	0.0056 U	0.0055 U	0.0054 U	0.0053 U	0.0055 U	0.005 U	0.005 U	0.005 U	0.005 U
Dieldrin	0.1		0.01 U	0.01 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.01 U	0.01 U	0.01 U	0.01 U
Endosulfan sulfate	10		0.01 U	0.01 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.01 U	0.01 U	0.01 U	0.01 U
Endosulfan, alpha- (I)	0.05		0.005 U	0.005 U	0.0054 U	0.0056 U	0.0055 U	0.0054 U	0.0053 U	0.0055 U	0.005 U	0.005 U	0.005 U	0.005 U
Endosulfan, beta (II)	0.1		0.01 U	0.01 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.01 U	0.01 U	0.01 U	0.01 U
Endrin	0.1		0.01 U	0.01 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.01 U	0.01 U	0.01 U	0.01 U
Endrin aldehyde	0.1		0.01 U	0.01 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.01 U	0.01 U	0.01 U	0.01 U
Endrin ketone			0.01 U	0.01 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.01 U	0.01 U	0.01 U	0.01 U
Heptachlor	0.05		0.005 U	0.005 U	0.0054 U	0.0056 U	0.0055 U	0.0054 U	0.0053 U	0.0055 U	0.005 U	0.005 U	0.005 U	0.005 U
Heptachlor epoxide	0.05		0.005 U	0.005 U	0.0054 U	0.0056 U	0.0055 U	0.0054 U	0.0053 U	0.0055 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	0.1		0.005 U	0.005 U	0.0054 U	0.0056 U	0.0055 U	0.0054 U	0.0053 U	0.0055 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1		--	--	0.0054 U	0.0056 U	0.0055 U	0.0054 U	0.0053 U	0.0055 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorocyclohexane (BHC), alpha-	0.05		0.005 U	0.005 U	0.0054 U	0.0056 U	0.0055 U	0.0054 U	0.0053 U	0.0055 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorocyclohexane (BHC), beta-	0.05		0.005 U	0.005 U	0.0054 U	0.0056 U	0.0055 U	0.0054 U	0.0053 U	0.0055 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorocyclohexane (BHC), delta-			0.005 U	0.005 U	0.0054 U	0.0056 U	0.0055 U	0.0054 U	0.0053 U	0.0055 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.05		0.005 U	0.005 U	0.0054 U	0.0056 U	0.0055 U	0.0054 U	0.0053 U	0.0055 U	0.005 U	0.005 U	0.005 U	0.005 U
Methoxychlor			0.05 U	0.05 U	0.054 U	0.056 U	0.055 U	0.054 U	0.053 U	0.055 U	0.05 U	0.05 U	0.05 U	0.05 U
Toxaphene	0.05		0.5 U	0.5 U	0.54 U	0.56 U	0.55 U	0.54 U	0.53 U	0.55 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 7-6f
Groundwater and Seep Results: PCBs and Pesticides

	Location ID	DSI-10	DSI-11	DSI-12	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-04	DSI-MW-04
	Depth				5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	4.6 – 14.2 ft	4.6 – 14.2 ft
	Sample ID	DSI10-GW	DSI11-GW	DSI12-GW	DSI-MW-02-010714	DSI-MW-02-012915	DSI-MW-02-041814	DSI-MW-02-070714	DSI-MW-04-011014	DSI-MW-04-012915
	Sample Date	9/28/2006	9/28/2006	9/28/2006	1/7/2014	1/29/2015	4/18/2014	7/7/2014	1/10/2014	1/29/2015
	Sample Type	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267928.64	1267970.43	1267970.42	1267537.85	1267537.85	1267537.85	1267537.85	1267894.98	1267894.98
	Y	204456.02	204358.81	204269.04	204619.49	204619.49	204619.49	204619.49	204416.16	204416.16
	Screening Level									
PCB Aroclors (µg/L)										
Aroclor 1016	0.01	0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1221		0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1232		0.02 U	0.02 U	0.02 U	0.025 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1242		0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1248		0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1254	0.01	0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1260	0.03	0.02 UJ	0.02 UJ	0.02 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Total PCB Aroclors (U = 0)	0.025	0.02 UJ	0.02 UJ	0.02 UJ	0.025 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Pesticides (µg/L)										
4,4'-DDD (p,p'-DDD)	0.1	0.01 U	0.01 U	0.01 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
4,4'-DDE (p,p'-DDE)	0.1	0.01 U	0.01 U	0.01 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
4,4'-DDT (p,p'-DDT)	0.1	0.01 U	0.01 U	0.01 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Aldrin	0.05	0.005 U	0.005 U	0.005 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Chlordane, alpha- (Chlordane, cis-)	0.5	0.005 U	0.005 U	0.005 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Chlordane, beta- (Chlordane, trans-)		--	--	--	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Chlordane, gamma-		0.005 U	0.005 U	0.005 U	--	--	--	--	--	--
Dieldrin	0.1	0.01 U	0.01 U	0.01 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Endosulfan sulfate	10	0.01 U	0.01 U	0.01 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Endosulfan, alpha- (I)	0.05	0.005 U	0.005 U	0.005 U	0.05 U	0.025 U	0.05 UJ	0.05 U	0.05 U	0.025 U
Endosulfan, beta (II)	0.1	0.01 U	0.01 U	0.01 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Endrin	0.1	0.01 U	0.01 U	0.01 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Endrin aldehyde	0.1	0.01 U	0.01 U	0.01 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Endrin ketone		0.01 U	0.01 U	0.01 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Heptachlor	0.05	0.005 U	0.005 U	0.005 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Heptachlor epoxide	0.05	0.005 U	0.005 U	0.005 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobenzene	0.1	0.005 U	0.005 U	0.005 U	0.05 UJ	0.05 U	0.1 U	0.1 U	0.05 UJ	0.05 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	0.005 U	0.005 U	0.005 U	0.05 U	0.05 U	0.1 UJ	0.1 UJ	0.05 U	0.05 U
Hexachlorocyclohexane (BHC), alpha-	0.05	0.005 U	0.005 U	0.005 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Hexachlorocyclohexane (BHC), beta-	0.05	0.005 U	0.005 U	0.005 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Hexachlorocyclohexane (BHC), delta-		0.005 U	0.005 U	0.005 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.05	0.005 U	0.005 U	0.018 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Methoxychlor		0.05 U	0.05 U	0.05 U	0.5 U	0.25 U	0.5 U	0.5 U	0.5 U	0.25 U
Toxaphene	0.05	0.5 U	0.5 U	0.5 U	5 U	1.2 U	5 U	5 U	5 U	1.2 U

Table 7-6f
Groundwater and Seep Results: PCBs and Pesticides

	Location ID	DSI-MW-04	DSI-MW-04	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-05	DSI-MW-06	DSI-MW-06
	Depth	4.6 – 14.2 ft	4.6 – 14.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft	5.4 – 15.1 ft	5.4 – 15.1 ft
	Sample ID	DSI-MW-04-041514	DSI-MW-04-070914	DSI-MW-05-010814	DSI-MW-05-012815	DSI-MW-05-041514	DSI-MW-05-071014	DSI-MW-06-010714	DSI-MW-06-012915
	Sample Date	4/15/2014	7/9/2014	1/8/2014	1/28/2015	4/15/2014	7/10/2014	1/7/2014	1/29/2015
	Sample Type	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267894.98	1267894.98	1267969.75	1267969.75	1267969.75	1267969.75	1267953.29	1267953.29
	Y	204416.16	204416.16	204575.21	204575.21	204575.21	204575.21	204456.31	204456.31
	Screening Level								
PCB Aroclors (µg/L)									
Aroclor 1016	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1221		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1232		0.01 U	0.01 U	0.03 U	0.01 U	0.01 U	0.01 U	0.025 U	0.01 U
Aroclor 1242		0.01 UJ	0.01 U	0.01 UJ	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Aroclor 1248		0.01 UJ	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U
Aroclor 1254	0.01	0.01 UJ	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U
Aroclor 1260	0.03	0.01 UJ	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U
Total PCB Aroclors (U = 0)	0.025	0.01 UJ	0.01 U	0.03 UJ	0.01 UJ	0.01 UJ	0.01 U	0.025 U	0.01 U
Pesticides (µg/L)									
4,4'-DDD (p,p'-DDD)	0.1	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
4,4'-DDE (p,p'-DDE)	0.1	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
4,4'-DDT (p,p'-DDT)	0.1	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Aldrin	0.05	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Chlordane, alpha- (Chlordane, cis-)	0.5	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Chlordane, beta- (Chlordane, trans-)		0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Chlordane, gamma-		--	--	--	--	--	--	--	--
Dieldrin	0.1	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Endosulfan sulfate	10	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Endosulfan, alpha- (I)	0.05	0.05 UJ	0.05 U	0.05 U	0.025 U	0.05 UJ	0.05 U	0.05 U	0.025 U
Endosulfan, beta (II)	0.1	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 UJ	0.1 U	0.05 U
Endrin	0.1	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Endrin aldehyde	0.1	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Endrin ketone		0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Heptachlor	0.05	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Heptachlor epoxide	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobenzene	0.1	0.1 U	0.1 U	0.05 UJ	0.05 U	0.1 U	0.1 U	0.05 UJ	0.05 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	0.1 UJ	0.1 UJ	0.05 U	0.05 U	0.1 UJ	0.1 U	0.05 U	0.05 U
Hexachlorocyclohexane (BHC), alpha-	0.05	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Hexachlorocyclohexane (BHC), beta-	0.05	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Hexachlorocyclohexane (BHC), delta-		0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.05	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Methoxychlor		0.5 U	0.5 U	0.5 U	0.25 U	0.5 U	0.5 U	0.5 U	0.25 U
Toxaphene	0.05	5 U	5 U	5 U	1.2 U	5 U	5 U	5 U	1.2 U

Table 7-6f
Groundwater and Seep Results: PCBs and Pesticides

	Location ID	DSI-MW-06	DSI-MW-06	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-08	DSI-MW-08
	Depth	5.4 – 15.1 ft	5.4 – 15.1 ft	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	5.4 – 15.1 ft	5.4 – 15.1 ft
	Sample ID	DSI-MW-06-041414	DSI-MW-06-070814	DSI-MW-07-010614	DSI-MW-07-012915	DSI-MW-07-041514	DSI-MW-07-070814	DSI-MW-08-010914	DSI-MW-08-012915
	Sample Date	4/14/2014	7/8/2014	1/6/2014	1/29/2015	4/15/2014	7/8/2014	1/9/2014	1/29/2015
	Sample Type	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267953.29	1267953.29	1267953.32	1267953.32	1267953.32	1267953.32	1267967.62	1267967.62
	Y	204456.31	204456.31	204463.39	204463.39	204463.39	204463.39	204366.34	204366.34
	Screening Level								
PCB Aroclors (µg/L)									
Aroclor 1016	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1221		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1232		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1242		0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Aroclor 1248		0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Aroclor 1254	0.01	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Aroclor 1260	0.03	0.01 UJ	0.01 U	**0.014**	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Total PCB Aroclors (U = 0)	0.025	0.01 UJ	0.01 U	**0.014**	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Pesticides (µg/L)									
4,4'-DDD (p,p'-DDD)	0.1	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
4,4'-DDE (p,p'-DDE)	0.1	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
4,4'-DDT (p,p'-DDT)	0.1	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Aldrin	0.05	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Chlordane, alpha- (Chlordane, cis-)	0.5	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Chlordane, beta- (Chlordane, trans-)		0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Chlordane, gamma-		--	--	--	--	--	--	--	--
Dieldrin	0.1	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Endosulfan sulfate	10	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Endosulfan, alpha- (I)	0.05	0.05 UJ	0.05 U	0.05 U	0.025 U	0.05 UJ	0.05 U	0.05 U	0.025 U
Endosulfan, beta (II)	0.1	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Endrin	0.1	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Endrin aldehyde	0.1	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Endrin ketone		0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U
Heptachlor	0.05	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Heptachlor epoxide	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobenzene	0.1	0.1 U	0.1 U	0.05 UJ	0.05 U	0.1 U	0.1 U	0.05 UJ	0.05 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	0.1 UJ	0.1 UJ	0.05 U	0.05 U	0.1 UJ	0.1 UJ	0.05 U	0.05 U
Hexachlorocyclohexane (BHC), alpha-	0.05	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Hexachlorocyclohexane (BHC), beta-	0.05	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Hexachlorocyclohexane (BHC), delta-		0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.05	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U
Methoxychlor		0.5 U	0.5 U	0.5 U	0.25 U	0.5 U	0.5 U	0.5 U	0.25 U
Toxaphene	0.05	5 U	5 U	5 U	1.2 U	5 U	5 U	5 U	1.2 U

Table 7-6f
Groundwater and Seep Results: PCBs and Pesticides

	Location ID	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-10
	Depth	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	30.9 – 40.7 ft
	Sample ID	DSI-MW-08-041714	DSI-MW-08-070814	DSI-MW-58-070814	DSI-MW-09-010914	DSI-MW-09-012915	DSI-MW-09-04142014	DSI-MW-09-070914	DSI-MW-10-010914
	Sample Date	4/17/2014	7/8/2014	7/8/2014	1/9/2014	1/29/2015	4/14/2014	7/9/2014	1/9/2014
	Sample Type	N	N	FD	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267967.62	1267967.62	1267967.62	1267963.77	1267963.77	1267963.77	1267963.77	1267964.60
	Y	204366.34	204366.34	204366.34	204267.40	204267.40	204267.40	204267.40	204275.46
	Screening Level								
PCB Aroclors (µg/L)									
Aroclor 1016	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1221		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1232		0.01 U	0.01 U	0.01 U	0.03 U	0.01 U	0.01 U	0.01 U	0.012 U
Aroclor 1242		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U
Aroclor 1248		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U
Aroclor 1254	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U
Aroclor 1260	0.03	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U
Total PCB Aroclors (U = 0)	0.025	0.01 U	0.01 U	0.01 U	0.03 U	0.01 U	0.01 UJ	0.01 U	0.012 U
Pesticides (µg/L)									
4,4'-DDD (p,p'-DDD)	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U
4,4'-DDE (p,p'-DDE)	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U
4,4'-DDT (p,p'-DDT)	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U
Aldrin	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U
Chlordane, alpha- (Chlordane, cis-)	0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U
Chlordane, beta- (Chlordane, trans-)		0.05 U	0.05 U	**0.011 J**	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U
Chlordane, gamma-		--	--	--	--	--	--	--	--
Dieldrin	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	10	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U
Endosulfan, alpha- (I)	0.05	0.05 UJ	0.05 U	0.05 U	0.05 U	0.025 U	0.05 UJ	0.05 U	0.05 U
Endosulfan, beta (II)	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U
Endrin	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U
Endrin aldehyde	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U
Endrin ketone		0.1 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U
Heptachlor	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobenzene	0.1	0.1 U	0.1 U	0.1 U	0.05 UJ	0.05 U	0.1 U	0.1 U	0.05 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	0.1 UJ	0.1 UJ	0.1 UJ	0.05 U	0.05 U	0.1 UJ	0.1 UJ	0.05 U
Hexachlorocyclohexane (BHC), alpha-	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U
Hexachlorocyclohexane (BHC), beta-	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U
Hexachlorocyclohexane (BHC), delta-		0.05 U	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U
Methoxychlor		0.5 U	0.5 U	0.5 U	0.5 U	0.25 U	0.5 U	0.5 U	0.5 U
Toxaphene	0.05	5 U	5 U	5 U	5 U	1.2 U	5 U	5 U	5 U

Table 7-6f
Groundwater and Seep Results: PCBs and Pesticides

	Location ID	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-19_1312
	Depth	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	4.8 – 14.8 ft
	Sample ID	DSI-MW-10-012915	DSI-MW-10-041614	DSI-MW-10-071114	DSI-MW-60-041614	DSIP2-08-MW-012815	DSIP2-08-MW-041614	DSIP2-08-MW-071014	DSIP2-19-MW-010714
	Sample Date	1/29/2015	4/16/2014	7/11/2014	4/16/2014	1/28/2015	4/16/2014	7/10/2014	1/7/2014
	Sample Type	N	N	N	FD	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267964.60	1267964.60	1267964.60	1267964.60	1267991.80	1267991.80	1267991.80	1267489.96
	Y	204275.46	204275.46	204275.46	204275.46	204592.40	204592.40	204592.40	204622.78
	Screening Level								
PCB Aroclors (µg/L)									
Aroclor 1016	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1221		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1232		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.025 U
Aroclor 1242		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1248		0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Aroclor 1254	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Aroclor 1260	0.03	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Total PCB Aroclors (U = 0)	0.025	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.025 U
Pesticides (µg/L)									
4,4'-DDD (p,p'-DDD)	0.1	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	--
4,4'-DDE (p,p'-DDE)	0.1	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	--
4,4'-DDT (p,p'-DDT)	0.1	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	--
Aldrin	0.05	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	--
Chlordane, alpha- (Chlordane, cis-)	0.5	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	--
Chlordane, beta- (Chlordane, trans-)		0.025 U	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	--
Chlordane, gamma-		--	--	--	--	--	--	--	--
Dieldrin	0.1	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	--
Endosulfan sulfate	10	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	--
Endosulfan, alpha- (I)	0.05	0.025 U	0.05 UJ	0.05 U	0.05 UJ	0.025 U	0.05 UJ	0.05 U	--
Endosulfan, beta (II)	0.1	0.05 U	0.1 U	0.1 UJ	0.1 U	0.05 U	0.1 U	0.1 UJ	--
Endrin	0.1	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	--
Endrin aldehyde	0.1	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	--
Endrin ketone		0.05 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	--
Heptachlor	0.05	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	--
Heptachlor epoxide	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	--
Hexachlorobenzene	0.1	0.05 U	0.1 U	0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	0.05 U	0.1 UJ	0.1 U	0.1 UJ	0.05 U	0.1 UJ	0.1 U	--
Hexachlorocyclohexane (BHC), alpha-	0.05	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	--
Hexachlorocyclohexane (BHC), beta-	0.05	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	--
Hexachlorocyclohexane (BHC), delta-		0.025 U	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.05	0.025 U	0.05 U	0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	--
Methoxychlor		0.25 U	0.5 U	0.5 U	0.5 U	0.25 U	0.5 U	0.5 U	--
Toxaphene	0.05	1.2 U	5 U	5 U	5 U	1.2 U	5 U	5 U	--

Table 7-6f
Groundwater and Seep Results: PCBs and Pesticides

Location ID		DSIP2-19_1312	DSIP2-19_1312	DSIP2-19_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312	DSIP2-20_1312
Depth		4.8 – 14.8 ft	4.8 – 14.8 ft	4.8 – 14.8 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft	5 – 15 ft
Sample ID		DSIP2-19-MW-012915	DSIP2-19-MW-041414	DSIP2-19-MW-070714	DSIP2-20-MW-010714	DSIP2-20-MW-012915	DSIP2-20-MW-041614	DSIP2-20-MW-070714
Sample Date		1/29/2015	4/14/2014	7/7/2014	1/7/2014	1/29/2015	4/16/2014	7/7/2014
Sample Type		N	N	N	N	N	N	N
Matrix		WG	WG	WG	WG	WG	WG	WG
X		1267489.96	1267489.96	1267489.96	1267608.74	1267608.74	1267608.74	1267608.74
Y		204622.78	204622.78	204622.78	204585.93	204585.93	204585.93	204585.93
	Screening Level							
PCB Aroclors (µg/L)								
Aroclor 1016	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1221		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1232		0.01 U	0.01 U	0.01 U	0.025 U	0.01 U	0.01 U	0.01 U
Aroclor 1242		0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1248		0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1254	0.01	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1260	0.03	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Total PCB Aroclors (U = 0)	0.025	0.01 U	0.01 UJ	0.01 U	0.025 U	0.01 U	0.01 U	0.01 U
Pesticides (µg/L)								
4,4'-DDD (p,p'-DDD)	0.1	--	--	--	--	--	--	--
4,4'-DDE (p,p'-DDE)	0.1	--	--	--	--	--	--	--
4,4'-DDT (p,p'-DDT)	0.1	--	--	--	--	--	--	--
Aldrin	0.05	--	--	--	--	--	--	--
Chlordane, alpha- (Chlordane, cis-)	0.5	--	--	--	--	--	--	--
Chlordane, beta- (Chlordane, trans-)		--	--	--	--	--	--	--
Chlordane, gamma-		--	--	--	--	--	--	--
Dieldrin	0.1	--	--	--	--	--	--	--
Endosulfan sulfate	10	--	--	--	--	--	--	--
Endosulfan, alpha- (I)	0.05	--	--	--	--	--	--	--
Endosulfan, beta (II)	0.1	--	--	--	--	--	--	--
Endrin	0.1	--	--	--	--	--	--	--
Endrin aldehyde	0.1	--	--	--	--	--	--	--
Endrin ketone		--	--	--	--	--	--	--
Heptachlor	0.05	--	--	--	--	--	--	--
Heptachlor epoxide	0.05	--	--	--	--	--	--	--
Hexachlorobenzene	0.1	--	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), alpha-	0.05	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), beta-	0.05	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), delta-		--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.05	--	--	--	--	--	--	--
Methoxychlor		--	--	--	--	--	--	--
Toxaphene	0.05	--	--	--	--	--	--	--

Table 7-6f
Groundwater and Seep Results: PCBs and Pesticides

		Location ID	DSI-PZ-01_1401	DSI-PZ-01_1401	DSI-PZ-01_1401	DSI-PZ-01_1401	DSIP2-SP-01	DSIP2-SP-02	DSIP2-SP-02	DSIP2-SP-03
		Depth	5 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	--	--	--	--
		Sample ID	DSI-P2-01-070714	DSI-PZ-01-010814	DSI-PZ-01-013015	DSI-PZ-01-041414	DSIP2-SP-01-072213	DSIP2-SP-02-072213	DSIP2-SP-52-072213	DSIP2-SP-03-072213
		Sample Date	7/7/2014	1/8/2014	1/30/2015	4/14/2014	7/22/2013	7/22/2013	7/22/2013	7/22/2013
		Sample Type	N	N	N	N	N	N	FD	N
		Matrix	WG	WG	WG	WG	WSP	WSP	WSP	WSP
		X	1267724.47	1267724.47	1267724.47	1267724.47	1268019.71	1268017.92	1268017.92	1268058.01
		Y	204468.59	204468.59	204468.59	204468.59	204592.17	204545.54	204545.54	204445.78
	Screening Level									
PCB Aroclors (µg/L)										
Aroclor 1016	0.01		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1221			0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1232			0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1242			0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1248			0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1254	0.01		0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1260	0.03		0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Total PCB Aroclors (U = 0)	0.025		0.01 U	0.015 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Pesticides (µg/L)										
4,4'-DDD (p,p'-DDD)	0.1		0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	--
4,4'-DDE (p,p'-DDE)	0.1		0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	--
4,4'-DDT (p,p'-DDT)	0.1		0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Aldrin	0.05		0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.05 U	--
Chlordane, alpha- (Chlordane, cis-)	0.5		0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.05 U	--
Chlordane, beta- (Chlordane, trans-)			0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.05 U	--
Chlordane, gamma-			--	--	--	--	--	--	--	--
Dieldrin	0.1		0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Endosulfan sulfate	10		0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Endosulfan, alpha- (I)	0.05		0.05 U	0.05 U	0.025 U	0.05 UJ	0.05 U	0.05 U	0.05 U	--
Endosulfan, beta (II)	0.1		0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Endrin	0.1		0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Endrin aldehyde	0.1		0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Endrin ketone			0.1 U	0.1 U	0.05 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Heptachlor	0.05		0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.05 U	--
Heptachlor epoxide	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	--
Hexachlorobenzene	0.1		0.1 U	0.05 UJ	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.1		0.1 UJ	0.05 U	0.05 U	0.1 UJ	--	--	--	--
Hexachlorocyclohexane (BHC), alpha-	0.05		0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.05 U	--
Hexachlorocyclohexane (BHC), beta-	0.05		0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.05 U	--
Hexachlorocyclohexane (BHC), delta-			0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.05 U	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.05		0.05 U	0.05 U	0.025 U	0.05 U	0.05 U	0.05 U	0.05 U	--
Methoxychlor			0.5 U	0.5 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U	--
Toxaphene	0.05		5 U	5 U	1.2 U	5 U	5 U	5 U	5 U	--

Table 7-6f
Groundwater and Seep Results: PCBs and Pesticides

Notes:
Detected concentration is greater than the groundwater screening level
Non-detected concentration is above the groundwater screening level
Bold = Detected result
-- = not analyzed
µg/L = micrograms per liter
FD = field duplicate
ft = foot
N = normal sample
PCB = polychlorinated biphenyl
U = Compound analyzed, but not detected above detection limit
UJ = Compound analyzed, but not detected above estimated detection limit
WG = groundwater
WSP = groundwater seep

Table 7-6g
Groundwater and Seep Results: Dioxin/Furans

	Location ID	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-02	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-04	DSI-MW-05	DSI-MW-05
	Depth	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	5.1 – 15 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	4.6 – 14.2 ft	5.5 – 15.2 ft	5.5 – 15.2 ft
	Sample ID	DSI-MW-02-010714	DSI-MW-02-012915	DSI-MW-02-041814	DSI-MW-02-070714	DSI-MW-04-011014	DSI-MW-04-012915	DSI-MW-04-041514	DSI-MW-04-070914	DSI-MW-05-010814	DSI-MW-05-012815
	Sample Date	1/7/2014	1/29/2015	4/18/2014	7/7/2014	1/10/2014	1/29/2015	4/15/2014	7/9/2014	1/8/2014	1/28/2015
	Sample Type	N	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267537.85	1267537.85	1267537.85	1267537.85	1267894.98	1267894.98	1267894.98	1267894.98	1267969.75	1267969.75
	Y	204619.49	204619.49	204619.49	204619.49	204416.16	204416.16	204416.16	204416.16	204575.21	204575.21
	Screening Level										
Dioxin Furans (ng/L)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.01	0.0005 U	**0.00128 J**	**0.00136 J**	0.00036 U	0.00134 U	0.00194 U	0.0013 U	0.00024 U	0.0003 U	0.00144 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		0.00062 U	0.00034 U	0.00052 U	0.00036 U	0.00078 U	0.0016 U	0.00042 U	0.00028 U	0.00036 U	0.00096 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		0.00066 U	0.0003 U	0.00052 U	0.0004 U	0.0008 U	**0.00102 J**	0.0005 U	0.00026 U	0.00034 U	**0.00226 J**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		0.00066 U	0.00032 U	0.0005 U	0.00042 U	0.00082 U	**0.00168 J**	0.0005 UJ	0.00028 U	0.00034 U	**0.00258 J**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		0.0007 U	0.00032 U	0.00052 U	0.00042 U	0.00086 U	0.00238 U	0.00052 UJ	0.00028 U	**0.00034 J**	**0.00454 J**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		**0.00244 J**	0.00616 U	**0.00566 J**	0.00189 U	**0.00134 J**	0.0044 U	**0.00048 J**	0.00104 U	0.0033 U	**0.00908 J**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		0.0103 U	0.0491 U	**0.029**	0.00478 U	0.0051 U	0.0428 U	0.00706 U	0.0101 U	0.00866 U	**0.0813**
Total Tetrachlorodibenzo-p-dioxin (TCDD)		0.0005 U	**0.00128 J**	**0.00135 J**	0.00036 U	0.00134 U	**0.00195 J**	**0.00153 J**	0.00024 U	0.0003 U	**0.00143 J**
Total Pentachlorodibenzo-p-dioxin (PeCDD)		0.00062 U	0.00034 U	0.00052 U	0.00036 U	0.00078 U	**0.00217 J**	**0.000886 J**	**0.00112 J**	**0.000542 J**	**0.00228 J**
Total Hexachlorodibenzo-p-dioxin (HxCDD)		0.000542 U	**0.000448 J**	**0.00174 J**	**0.000438 J**	0.0015 U	**0.00601 J**	**0.00136 J**	**0.00222 J**	0.00247 U	**0.0108 J**
Total Heptachlorodibenzo-p-dioxin (HpCDD)		**0.00338 J**	**0.011 J**	**0.0106 J**	**0.0025 J**	0.00135 U	**0.00836 J**	**0.00168 J**	**0.00282 J**	0.00527 U	**0.0136 J**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		0.00052 U	0.0003 U	0.00048 U	0.00062 U	0.00046 U	0.00038 U	0.00018 U	0.0003 U	0.0003 U	0.00034 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		0.00066 U	0.00028 U	0.00044 U	0.00034 U	0.00054 U	**0.00111 J**	0.00026 U	**0.00024 J**	0.00042 U	**0.00196 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		0.00072 U	0.0003 U	0.00044 U	**0.00026 J**	0.00056 U	**0.00074 J**	0.0003 U	0.00024 U	0.00042 U	0.00128 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		0.0005 U	**0.00048 J**	0.00026 U	0.00034 U	0.00038 U	**0.00122 J**	0.00036 U	0.00018 U	0.0003 U	0.00214 UJ
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		0.0005 U	0.00026 U	0.00024 U	0.00032 U	0.00036 U	0.0014 U	0.00032 U	0.00018 U	0.00028 U	0.00242 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		0.00074 U	0.00034 U	0.0003 UJ	0.00038 UJ	0.0005 U	0.00234 UJ	0.00044 UJ	0.00024 UJ	0.00038 U	0.00286 UJ
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		0.00056 U	0.00028 U	0.00026 U	0.00034 U	0.00042 U	**0.00158 J**	0.00038 U	0.0002 U	0.0003 U	**0.00224 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		0.00048 U	0.00151 U	**0.00094 J**	0.00028 U	0.00042 U	0.00314 U	**0.00046 J**	**0.0004 J**	0.00026 U	**0.0057 J**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		0.00086 U	0.000324 U	0.00048 U	0.0004 U	0.00062 U	0.00256 U	0.00044 U	0.00024 U	0.00042 U	**0.00418 J**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		0.0026 U	0.00312 U	**0.0016 J**	0.0007 U	0.00136 U	0.00834 U	0.00108 U	**0.00108 J**	0.00086 U	**0.0211**
Total Tetrachlorodibenzofuran (TCDF)		0.00052 U	**0.000242 J**	0.00048 U	0.00062 U	0.000468 U	0.00038 U	0.00018 U	0.0003 U	0.0003 U	**0.000492 J**
Total Pentachlorodibenzofuran (PeCDF)		0.00072 U	0.0003 U	0.00044 U	**0.00025 J**	0.00056 U	**0.00185**	0.0003 U	**0.000237 J**	0.00042 U	**0.00324 J**
Total Hexachlorodibenzofuran (HxCDF)		0.00074 U	**0.00254 J**	**0.000862 J**	0.00038 UJ	0.0005 U	**0.00721 J**	0.00044 UJ	0.00024 UJ	0.00038 U	**0.0115 J**
Total Heptachlorodibenzofuran (HpCDF)		**0.00146**	**0.005 J**	**0.00263 J**	**0.00137**	0.00062 U	**0.00666 J**	**0.00045 J**	**0.0004 J**	0.000886 U	**0.0114 J**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	0.01	**0.0000244 J**	**0.001328 J**	**0.00143518 J**	**0.000078 J**	**0.0000134 J**	**0.0008053 J**	**0.0000094 J**	**0.000011524 J**	**0.000034 J**	**0.00144112 J**

Table 7-6g
Groundwater and Seep Results: Dioxin/Furans

	Location ID	DSI-MW-05	DSI-MW-05	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-06	DSI-MW-07	DSI-MW-07	DSI-MW-07	DSI-MW-07
	Depth	5.5 – 15.2 ft	5.5 – 15.2 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft	30.4 – 40 ft
	Sample ID	DSI-MW-05-041514	DSI-MW-05-071014	DSI-MW-06-010714	DSI-MW-06-012915	DSI-MW-06-041414	DSI-MW-06-070814	DSI-MW-07-010614	DSI-MW-07-012915	DSI-MW-07-041514	DSI-MW-07-070814
	Sample Date	4/15/2014	7/10/2014	1/7/2014	1/29/2015	4/14/2014	7/8/2014	1/6/2014	1/29/2015	4/15/2014	7/8/2014
	Sample Type	N	N	N	N	N	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267969.75	1267969.75	1267953.29	1267953.29	1267953.29	1267953.29	1267953.32	1267953.32	1267953.32	1267953.32
	Y	204575.21	204575.21	204456.31	204456.31	204456.31	204456.31	204463.39	204463.39	204463.39	204463.39
	Screening Level										
Dioxin Furans (ng/L)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.01	0.00022 U	0.00028 U	0.00116 U	0.00036 U	0.00108 U	0.00048 U	0.0004 U	0.00034 U	0.00112 U	0.00056 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		0.00036 U	0.00026 U	0.00064 U	**0.000964 J**	0.0003 U	0.00028 U	0.00058 U	**0.00068 J**	0.00022 U	**0.00042 J**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		0.00048 U	0.00024 U	0.00074 U	0.000846 U	0.00052 U	0.00022 U	0.00072 U	0.0006 U	0.00032 U	0.00022 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		0.00048 UJ	0.00024 U	0.00076 U	**0.00127 J**	0.00052 UJ	0.00024 U	0.0007 U	**0.00118 J**	0.00032 UJ	0.00022 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		0.0005 UJ	0.00024 U	0.0008 U	**0.00166 J**	0.00054 UJ	0.00024 U	0.00076 U	**0.00074 J**	0.00034 UJ	**0.00042 J**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		**0.00154 J**	0.00172 U	0.00136 U	0.00318 U	**0.00074 J**	0.00054 U	0.00086 U	0.00488 U	**0.00258 J**	0.00878 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		0.00568 U	0.0118 U	0.00688 U	0.031 U	0.00408 U	0.0042 U	0.0181 U	0.0525 U	**0.0237**	0.0822 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)		0.00022 U	0.00028 U	0.00116 U	0.00036 U	**0.00154 J**	0.00048 U	0.0004 U	0.00034 U	**0.00112 J**	0.00056 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)		0.00036 U	0.00026 U	0.00064 U	**0.000964**	**0.00022**	0.00028 U	0.00058 U	**0.000688 J**	0.00022 U	**0.000412 J**
Total Hexachlorodibenzo-p-dioxin (HxCDD)		0.0005 UJ	**0.000822 J**	0.0008 U	**0.00378 J**	**0.00056 J**	**0.000584 J**	0.00076 U	**0.00351 J**	0.00034 UJ	**0.00327 J**
Total Heptachlorodibenzo-p-dioxin (HpCDD)		**0.00154 J**	**0.00275 J**	0.00136 U	**0.00637 J**	**0.000748**	**0.00121 J**	0.00232 U	**0.0108 J**	**0.00502 J**	**0.0221 J**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		0.00018 U	0.00036 U	0.00048 U	0.00036 U	**0.00022 J**	0.0004 U	0.00042 U	0.00032 U	0.00014 U	0.00118 UJ
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		0.00042 U	**0.0003 J**	0.0006 U	**0.000914 J**	**0.00034 J**	**0.00026 J**	0.00042 U	**0.00058 J**	0.00028 U	**0.0004 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		0.00042 U	0.00022 U	0.00064 U	**0.00038 J**	0.00032 U	0.00028 U	0.00046 U	0.0003 U	0.0003 U	0.00034 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		0.00026 U	0.00016 U	0.0005 U	**0.000904 J**	0.00016 U	0.00018 U	0.0004 U	**0.00064 J**	0.00016 U	0.00022 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		0.00024 U	0.00016 U	0.00048 U	**0.00104 J**	0.00014 U	0.00018 U	0.0004 U	**0.0008 J**	0.00016 U	0.0002 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		0.0003 UJ	0.0002 UJ	0.00068 U	0.00202 UJ	0.00018 UJ	0.00022 UJ	0.00058 U	0.0017 UJ	0.0002 UJ	0.00022 UJ
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		0.00026 U	0.00016 U	0.00052 U	**0.000788 J**	0.00016 U	0.0002 U	0.00046 U	**0.000838 J**	0.00018 U	0.0002 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		0.00018 U	0.00018 U	0.00078 U	0.00192 U	0.00028 U	0.00022 U	**0.00086 J**	0.00178 U	**0.0006 J**	0.00196 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		0.00026 U	0.00026 U	0.00132 U	0.000542 U	0.0004 U	0.00028 U	0.00064 U	0.00062 U	0.0004 U	0.00022 U
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		0.00096 U	0.0011 U	0.0032 U	0.0046 U	0.00068 U	0.00044 U	0.00176 U	0.00576 U	**0.00114 J**	0.0048 U
Total Tetrachlorodibenzofuran (TCDF)		**0.000158 J**	0.00036 U	0.00048 U	0.00036 U	**0.000226 J**	0.0004 U	0.00042 U	0.00032 U	**0.00012 J**	0.00118 UJ
Total Pentachlorodibenzofuran (PeCDF)		0.00042 U	**0.000293 J**	0.00064 U	**0.0013 J**	**0.000346 J**	**0.000269**	0.00046 U	**0.000578 J**	0.0003 U	**0.00124 J**
Total Hexachlorodibenzofuran (HxCDF)		0.0003 UJ	0.0002 UJ	0.00068 U	**0.00476 J**	0.00018 UJ	0.00022 UJ	**0.00041 J**	**0.00464 J**	**0.000316 J**	**0.00184 J**
Total Heptachlorodibenzofuran (HpCDF)		**0.000548**	**0.000692 J**	0.00132 U	**0.00284 J**	0.0004 U	**0.000472 J**	**0.000868 J**	**0.00296 J**	**0.0017 J**	**0.00488 J**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	0.01	**0.0000154 J**	**0.000009 J**	0.00116 U	**0.00167162 J**	**0.0000396 J**	**0.0000078 J**	**0.0000086 J**	**0.0011172 J**	**0.000039252 J**	**0.000474 J**

Table 7-6g
Groundwater and Seep Results: Dioxin/Furans

	Location ID	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-08	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-09	DSI-MW-10
	Depth	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.4 – 15.1 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	5.5 – 15.3 ft	30.9 – 40.7 ft
	Sample ID	DSI-MW-08-010914	DSI-MW-08-012915	DSI-MW-08-041714	DSI-MW-08-070814	DSI-MW-58-070814	DSI-MW-09-010914	DSI-MW-09-012915	DSI-MW-09-04142014	DSI-MW-09-070914	DSI-MW-10-010914
	Sample Date	1/9/2014	1/29/2015	4/17/2014	7/8/2014	7/8/2014	1/9/2014	1/29/2015	4/14/2014	7/9/2014	1/9/2014
	Sample Type	N	N	N	N	FD	N	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267967.62	1267967.62	1267967.62	1267967.62	1267967.62	1267963.77	1267963.77	1267963.77	1267963.77	1267964.60
	Y	204366.34	204366.34	204366.34	204366.34	204366.34	204267.40	204267.40	204267.40	204267.40	204275.46
	Screening Level										
Dioxin Furans (ng/L)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.01	0.00074 U	0.00118 U	0.00038 U	0.00048 U	0.00056 U	0.00036 U	**0.00196 J**	0.0013 U	0.00054 U	**0.0012 J**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		0.00046 U	0.00036 U	0.0004 U	0.0003 U	0.0003 U	0.00116 U	**0.0015 J**	**0.00072 J**	0.00036 U	0.00048 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		0.0004 U	0.00036 U	0.00048 U	0.0003 U	0.00036 U	0.00066 U	0.0016 U	**0.00184 J**	0.00044 U	0.00052 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		0.0004 U	**0.000238 J**	0.00048 U	0.0003 U	0.00036 U	**0.00108 J**	**0.00186 J**	**0.00176 J**	0.00046 U	0.00052 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		0.00044 U	0.00038 U	0.00048 U	0.00032 U	**0.00054 J**	**0.00064 J**	**0.00274 J**	**0.0009 J**	0.00046 U	0.00056 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		0.00064 U	0.0016 U	**0.0009 J**	0.00098 U	0.00356 U	**0.0452**	**0.00976 J**	**0.0716**	0.000682 U	**0.0048 J**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		0.0073 U	0.013 U	0.00831 U	0.00854 U	0.0503 U	**0.388**	0.0753 U	**0.682**	0.00856 U	**0.0677**
Total Tetrachlorodibenzo-p-dioxin (TCDD)		0.00074 U	**0.00117 J**	0.00038 U	0.00048 U	0.00056 U	**0.00156 J**	**0.00196 J**	**0.00245 J**	0.00054 U	**0.0012 J**
Total Pentachlorodibenzo-p-dioxin (PeCDD)		0.00046 U	0.00036 U	**0.000672**	0.0003 U	**0.000862 J**	**0.0318**	**0.00231**	**0.0218 J**	**0.00196 J**	0.00048 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)		0.000808 U	**0.00167 J**	**0.00305 J**	**0.0017 J**	**0.00454 J**	**0.0976 J**	**0.0133 J**	**0.0738 J**	**0.00034 J**	0.00056 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)		0.00171 U	**0.00344 J**	**0.00231 J**	**0.00209 J**	**0.00739 J**	**0.147**	**0.0216**	**0.227**	**0.00247 J**	0.00866 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		0.00018 U	0.00068 U	0.00056 U	0.0007 U	0.00122 UJ	0.00022 U	0.00028 U	0.00016 U	0.00058 U	0.0002 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		0.00038 U	**0.00068 J**	0.00046 U	0.00036 U	0.00036 U	0.00046 U	**0.00182 J**	**0.00076 J**	0.00042 U	0.00048 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		0.00038 U	0.00032 U	0.00046 U	0.00036 U	0.00036 U	0.00048 U	**0.000842 J**	0.0003 U	0.00042 U	0.0005 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		0.00036 U	0.00022 U	0.0003 U	0.00022 U	0.00024 U	**0.0005 J**	**0.00182 J**	**0.00088 J**	**0.00016 J**	**0.000922 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		0.00034 U	0.0002 U	0.00028 U	0.00022 U	**0.00018 J**	**0.0007 J**	**0.0023 J**	**0.00168 J**	0.00024 U	0.00046 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		0.00046 U	0.0007 UJ	0.00034 UJ	0.00028 UJ	0.00026 UJ	0.00066 U	0.00292 UJ	0.00036 UJ	0.0003 UJ	0.00064 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		0.00038 U	0.00022 U	0.0003 U	0.00022 U	0.00022 U	**0.00159 J**	**0.00153 J**	**0.0025 J**	0.00026 U	0.00054 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		0.00028 U	0.00034 U	0.00036 U	0.0002 U	0.00042 U	0.00048 U	**0.00344 J**	**0.0014 J**	0.000386 U	0.00186 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		0.00044 U	0.00028 U	0.0005 U	0.0003 U	0.00038 U	0.00082 U	0.00127 U	**0.00054 J**	**0.00022 J**	0.00074 U
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		0.00124 U	0.00142 U	0.00098 U	0.00088 U	0.0008 U	0.00152 U	0.00585 U	**0.00186 J**	0.000516 U	**0.00572 J**
Total Tetrachlorodibenzofuran (TCDF)		0.00018 U	**0.00057 J**	0.00056 U	0.0007 U	0.00122 UJ	0.00022 U	0.00028 U	**0.000328 J**	0.00058 U	0.0002 U
Total Pentachlorodibenzofuran (PeCDF)		0.00038 U	**0.00101 J**	0.00046 U	0.00036 U	0.00036 U	**0.00119**	**0.00316 J**	**0.00543 J**	0.00042 U	0.0005 U
Total Hexachlorodibenzofuran (HxCDF)		0.00046 U	**0.000706 J**	0.00034 UJ	0.00028 UJ	**0.00018 J**	**0.00643 J**	**0.00957 J**	**0.00994 J**	**0.000486 J**	**0.00408 J**
Total Heptachlorodibenzofuran (HpCDF)		0.00044 U	**0.000726 J**	0.0005 U	**0.000346 J**	**0.000596 J**	0.00139 U	**0.00735 J**	**0.00385 J**	**0.00145 J**	**0.00666 J**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	0.01	**0.00000219**	**0.0000442 J**	**0.000009 J**	0.00048 UJ	**0.000072 J**	**0.0010194 J**	**0.0049242 J**	**0.002639358 J**	**0.0000182 J**	**0.001380826 J**

Table 7-6g
Groundwater and Seep Results: Dioxin/Furans

	Location ID	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSI-MW-10	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311	DSIP2-08_1311
	Depth	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	30.9 – 40.7 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft	18 – 28 ft
	Sample ID	DSI-MW-10-012915	DSI-MW-10-041614	DSI-MW-10-071114	DSI-MW-60-041614	DSIP2-08-MW-010814	DSIP2-08-MW-012815	DSIP2-08-MW-041614	DSIP2-08-MW-071014	DSIP2-58-MW-010814
	Sample Date	1/29/2015	4/16/2014	7/11/2014	4/16/2014	1/8/2014	1/28/2015	4/16/2014	7/10/2014	1/8/2014
	Sample Type	N	N	N	FD	N	N	N	N	FD
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267964.60	1267964.60	1267964.60	1267964.60	1267991.80	1267991.80	1267991.80	1267991.80	1267991.80
	Y	204275.46	204275.46	204275.46	204275.46	204592.40	204592.40	204592.40	204592.40	204592.40
	Screening Level									
Dioxin Furans (ng/L)										
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.01	0.00054 U	0.00028 U	**0.00124 J**	0.00028 U	0.00046 U	0.00154 U	0.00072 U	0.00068 U	0.0004 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		0.0011 U	0.00038 U	0.00028 U	0.0004 U	**0.00102 J**	0.00118 U	0.00072 U	0.00052 U	0.00064 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**0.0009 J**	0.00048 U	0.00032 U	0.00064 U	0.00072 U	**0.00126 J**	0.00088 U	0.00068 U	0.00078 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**0.00133 J**	0.00048 U	0.00034 U	0.00062 U	0.00072 U	**0.00176 J**	0.0009 U	0.00072 U	0.00078 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		0.00145 U	0.0005 U	0.00034 U	0.00064 U	0.00078 U	0.00294 U	0.00092 U	0.00074 U	0.00084 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		**0.0195**	**0.00279 J**	0.00184 U	**0.00184 J**	**0.00748 J**	0.00602 U	**0.00291 J**	0.00506 U	**0.0113 J**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		**0.394**	**0.027**	0.026 U	0.0215 U	**0.0707**	**0.0733**	0.0225 U	0.0485 U	**0.439**
Total Tetrachlorodibenzo-p-dioxin (TCDD)		0.00054 U	0.00028 U	**0.00161 J**	0.00028 U	**0.00293 J**	**0.00195 J**	0.00072 U	0.00068 U	**0.00552 J**
Total Pentachlorodibenzo-p-dioxin (PeCDD)		**0.0011 J**	0.00038 U	0.00028 U	0.0004 U	**0.00524 J**	**0.00118 J**	0.00072 U	0.00052 U	**0.00306 J**
Total Hexachlorodibenzo-p-dioxin (HxCDD)		**0.00869 J**	0.0005 U	0.00034 U	0.00064 U	0.00263 U	**0.00595 J**	**0.000698 J**	**0.000372**	0.00344 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)		**0.0385**	**0.00476 J**	**0.00349 J**	**0.00184 J**	**0.0173 J**	**0.0105 J**	**0.0067**	**0.00979 J**	**0.0219 J**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		0.00084 U	0.00034 U	0.00032 U	0.00028 U	**0.00236 J**	0.00078 U	0.00102 U	0.00078 U	**0.00163 J**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		**0.000972 J**	**0.00024 J**	0.0004 U	**0.00026 J**	**0.00178 J**	**0.00216 J**	0.00084 U	0.00062 U	**0.00148 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		0.00036 U	0.00044 U	0.00024 U	0.0004 U	**0.00222 J**	0.00154 U	0.00084 U	0.00072 U	**0.00228 J**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		**0.00144 J**	0.00034 U	**0.00034 J**	0.00028 U	**0.00191 J**	0.0025 UJ	0.0005 U	**0.0006 J**	**0.00194 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		0.00096 U	0.00034 U	0.00022 U	0.00028 U	**0.00187 J**	0.00252 U	0.00048 U	**0.0005 J**	**0.00174 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		0.00128 UJ	0.00042 UJ	**0.00026 J**	0.00036 UJ	**0.00104 J**	0.00286 UJ	0.00064 UJ	0.0005 UJ	0.0013 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		**0.00062 J**	0.00036 U	0.00022 U	0.0003 U	**0.00212 J**	**0.00216 J**	0.00054 U	**0.0004 J**	**0.00216 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		**0.0049 J**	**0.00064 J**	0.0008 U	**0.00078 J**	**0.00625 J**	**0.00494 J**	**0.00146 J**	0.00171 U	**0.007 J**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		0.00108 U	0.00062 U	0.00024 U	0.00042 U	**0.00082 J**	0.00274 U	0.00072 U	0.00078 U	0.00086 U
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		0.0103 U	**0.00315 J**	0.00146 U	**0.00206 J**	**0.0056 J**	**0.015 J**	0.00176 U	0.00283 U	**0.00797 J**
Total Tetrachlorodibenzofuran (TCDF)		0.00084 U	0.00034 U	0.00032 U	0.00028 U	**0.0582 J**	**0.0189 J**	**0.00194 J**	**0.0112 J**	**0.0521 J**
Total Pentachlorodibenzofuran (PeCDF)		**0.00293 J**	**0.000249 J**	**0.000407 J**	**0.000255 J**	**0.0282 J**	**0.0164 J**	**0.000918 J**	**0.00217 J**	**0.0327 J**
Total Hexachlorodibenzofuran (HxCDF)		**0.0108 J**	**0.000584 J**	**0.00136 J**	0.00036 UJ	**0.0195 J**	**0.0166 J**	**0.00273 J**	**0.00448 J**	**0.0203 J**
Total Heptachlorodibenzofuran (HpCDF)		**0.0133 J**	**0.00329 J**	**0.00177 J**	**0.00261 J**	**0.0129 J**	**0.01 J**	**0.00262 J**	**0.00318 J**	**0.0145 J**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	0.01	**0.00082036 J**	**0.000050545 J**	**0.001274 J**	**0.000034618 J**	**0.00283779 J**	**0.00065869 J**	**0.0000437 J**	**0.00015 J**	**0.001792491 J**

Table 7-6g
Groundwater and Seep Results: Dioxin/Furans

	Location ID	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-28_1312	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311	DSIP2-29_1311
	Depth	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	17.5 – 27.5 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft	4 – 14.7 ft
	Sample ID	DSIP2-28-MW-010914	DSIP2-28-MW-012915	DSIP2-28-MW-041714	DSIP2-28-MW-070914	DSIP2-78-MW-070914	DSIP2-29-MW-010614	DSIP2-29-MW-012815	DSIP2-29-MW-041614	DSIP2-29-MW-071114
	Sample Date	1/9/2014	1/29/2015	4/17/2014	7/9/2014	7/9/2014	1/6/2014	1/28/2015	4/16/2014	7/11/2014
	Sample Type	N	N	N	N	FD	N	N	N	N
	Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
	X	1267985.36	1267985.36	1267985.36	1267985.36	1267985.36	1267967.58	1267967.58	1267967.58	1267967.58
	Y	204392.42	204392.42	204392.42	204392.42	204392.42	204223.52	204223.52	204223.52	204223.52
	Screening Level									
Dioxin Furans (ng/L)										
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.01	0.00036 U	0.0013 U	0.00034 U	0.00038 U	0.00042 U	0.00042 U	0.0015 U	0.00034 U	0.0004 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		0.00044 U	0.00126 U	0.00038 U	0.00032 U	0.00038 U	0.00096 U	0.00082 U	0.00064 U	0.00032 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		0.00058 U	**0.00108 J**	0.00046 U	0.00032 U	0.00046 U	0.0006 U	0.0004 U	**0.0007 J**	**0.00026 J**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		0.0006 U	**0.00102 J**	0.00048 U	0.00034 U	0.00048 U	0.0006 U	**0.00118 J**	**0.0029 J**	**0.00206 J**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		0.00064 U	0.0012 U	0.00048 U	0.00034 U	0.00048 U	0.00064 U	0.00042 U	**0.0008 J**	**0.00078 J**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		0.00062 U	0.00142 U	0.0006 U	0.00131 U	0.000942 U	**0.0118 J**	**0.0131**	**0.0611**	**0.0334**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		0.00924 U	0.0138 U	0.00894 U	0.0124 U	0.00863 U	**0.0977**	**0.0843**	**0.624**	**0.39**
Total Tetrachlorodibenzo-p-dioxin (TCDD)		0.00036 U	**0.0013 J**	0.00034 U	0.00038 U	0.00042 U	0.00042 U	**0.00151 J**	0.00034 U	0.0004 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)		0.00044 U	**0.00126 J**	0.00038 U	0.00032 U	0.00038 U	**0.0112 J**	**0.00687 J**	**0.0238 J**	0.00032 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)		0.00064 U	**0.00391 J**	**0.00116 J**	**0.00105 J**	**0.0013 J**	**0.028 J**	**0.0219 J**	**0.083 J**	**0.00641 J**
Total Heptachlorodibenzo-p-dioxin (HpCDD)		0.00162 U	**0.00362 J**	**0.00102 J**	**0.00255 J**	**0.00191 J**	**0.031 J**	**0.027**	**0.131**	**0.0571**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		0.00032 U	0.0007 U	0.00048 U	0.00044 U	0.00042 U	0.00038 U	0.00072 U	0.00036 U	0.00036 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		**0.000674 J**	**0.0014 J**	0.00038 U	0.00032 U	0.00034 U	0.00052 U	**0.00154 J**	0.00052 U	0.00028 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		**0.00042 J**	**0.00108 J**	0.00038 U	0.00034 U	0.00036 U	**0.00062 J**	0.00158 U	**0.00102 J**	**0.0015 J**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		**0.00037 J**	**0.00076 J**	0.00026 U	0.00024 U	0.00024 U	**0.00194 J**	**0.00418 J**	**0.0109**	**0.00768 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		0.00034 U	0.000672 U	0.00024 U	0.00024 U	0.00024 U	0.0005 U	0.00136 U	**0.00142 J**	**0.00134 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		0.00046 U	0.00183 UJ	0.00032 UJ	0.0003 UJ	0.0003 UJ	0.00074 U	0.00148 UJ	**0.00164 J**	**0.00034 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		0.00038 U	**0.0013 J**	0.00028 U	0.00024 U	0.00026 U	0.00054 U	0.0006 U	**0.00092 J**	**0.00202 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		0.00034 U	0.00178 U	**0.0003 J**	**0.00034 J**	0.00026 U	**0.0029 J**	**0.00612 J**	**0.0245**	**0.0164**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		0.00052 U	0.00127 U	0.00044 U	0.00036 U	0.0004 U	0.00112 U	0.002 U	**0.00459 J**	**0.00354 J**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		0.0013 U	0.0046 U	0.00112 U	0.00066 U	0.00088 U	**0.00368 J**	0.0072 U	**0.0402**	**0.0356**
Total Tetrachlorodibenzofuran (TCDF)		0.00032 U	0.0007 U	0.00048 U	0.00044 U	0.00042 U	0.000592 U	**0.000476 J**	**0.00059 J**	0.00036 U
Total Pentachlorodibenzofuran (PeCDF)		**0.00137 J**	**0.00247 J**	0.00038 U	0.00034 U	0.00036 U	**0.0093 J**	**0.0115 J**	**0.0165 J**	**0.0129 J**
Total Hexachlorodibenzofuran (HxCDF)		**0.00037 J**	**0.0053 J**	0.00032 UJ	0.0003 UJ	0.0003 UJ	**0.0117 J**	**0.0261 J**	**0.0691 J**	**0.0445 J**
Total Heptachlorodibenzofuran (HpCDF)		0.00052 U	**0.00305 J**	**0.000296 J**	**0.000348 J**	0.0004 U	**0.0114 J**	**0.0213**	**0.0961**	**0.0668 J**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	0.01	**0.000185992 J**	**0.000782 J**	**0.000003 J**	**0.0000034 J**	0.00042 UJ	**0.000557414 J**	**0.00079969 J**	**0.00333516 J**	**0.00252508 J**

Table 7-6g
Groundwater and Seep Results: Dioxin/Furans

	Location ID	DSIP2-29_1311	DSI-PZ-01_1401	DSI-PZ-01_1401	DSI-PZ-01_1401	DSI-PZ-01_1401	DSIP2-SP-01	DSIP2-SP-02	DSIP2-SP-02	DSIP2-SP-03
	Depth	4 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	5 – 14.7 ft	--	--	--	--
	Sample ID	DSIP2-79-MW-012815	DSI-P2-01-070714	DSI-PZ-01-010814	DSI-PZ-01-013015	DSI-PZ-01-041414	DSIP2-SP-01-072213	DSIP2-SP-02-072213	DSIP2-SP-52-072213	DSIP2-SP-03-072213
	Sample Date	1/28/2015	7/7/2014	1/8/2014	1/30/2015	4/14/2014	7/22/2013	7/22/2013	7/22/2013	7/22/2013
	Sample Type	FD	N	N	N	N	N	N	FD	N
	Matrix	WG	WG	WG	WG	WG	WSP	WSP	WSP	WSP
	X	1267967.58	1267724.47	1267724.47	1267724.47	1267724.47	1268019.71	1268017.92	1268017.92	1268058.01
	Y	204223.52	204468.59	204468.59	204468.59	204468.59	204592.17	204545.54	204545.54	204445.78
	Screening Level									
Dioxin Furans (ng/L)										
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.01	0.00132 U	0.00058 U	**0.00192 J**	0.00036 U	0.0002 U	0.00168 U	0.0016 U	0.00032 U	0.00194 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		0.00074 U	**0.00046 J**	0.00048 U	0.00054 U	0.00048 U	**0.00142 J**	**0.00096 J**	**0.00042 J**	**0.0006 J**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**0.00102 J**	0.00032 U	**0.0007 J**	0.00036 U	0.00032 U	0.00094 U	0.0006 U	0.00044 U	0.00042 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**0.00174 J**	0.00034 U	0.00044 U	**0.000418 J**	0.00032 UJ	0.000724 UJ	0.00078 UJ	0.00044 UJ	0.00044 UJ
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		0.0014 U	0.00034 U	**0.00068 J**	0.00142 U	0.00032 UJ	0.00104 U	0.00062 U	0.00046 U	0.00044 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		**0.0122 J**	0.0044 U	0.00232 U	0.00355 U	**0.00204 J**	0.00286 U	0.00329 U	0.00239 U	0.00808 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		**0.104**	0.0487 U	0.0166 U	0.02 U	0.00994 U	0.0131 U	0.0222 U	0.0177 U	0.0541 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)		**0.00133 J**	0.00058 U	**0.00234 J**	0.00036 U	0.0002 U	0.00227 U	0.00159 U	0.000866 U	0.00814 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)		**0.00662 J**	**0.00413 J**	**0.00884 J**	**0.00476 J**	**0.00861**	0.00142 U	0.000956 U	0.000416 U	**0.00496 J**
Total Hexachlorodibenzo-p-dioxin (HxCDD)		**0.0189 J**	**0.00678 J**	**0.0149 J**	**0.00799 J**	**0.0124 J**	0.00271 UJ	0.000778 UJ	0.00046 UJ	0.0055 UJ
Total Heptachlorodibenzo-p-dioxin (HpCDD)		**0.0251 J**	**0.00998 J**	0.00728 U	**0.00733 J**	**0.00654 J**	0.00539 U	0.00723 U	0.00566 U	0.0183 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		0.00024 U	**0.00078 J**	**0.00052 J**	0.00038 U	0.00018 U	0.00054 U	0.000372 U	0.00026 U	0.0003 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		**0.0013 J**	**0.00066 J**	**0.000754 J**	**0.000544 J**	**0.00058 J**	0.00155 U	0.001 U	0.0008 U	0.000682 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		0.00122 U	**0.00044 J**	0.0004 U	0.00034 U	0.00028 U	**0.00108 J**	0.00046 U	0.00064 U	0.00058 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		**0.00358 J**	**0.00044 J**	0.00036 U	**0.00054 J**	0.00024 U	0.00058 U	0.00022 U	0.00026 U	0.00046 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		0.00182 U	**0.00024 J**	**0.0003 J**	0.000506 U	0.00024 U	**0.00072 J**	**0.0004 J**	0.00024 U	**0.00034 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		0.00236 UJ	**0.00044 J**	0.00052 U	0.00132 UJ	0.0003 UJ	**0.00112 J**	**0.00034 J**	0.00032 U	0.00052 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		0.00122 U	**0.00042 J**	**0.00044 J**	0.00024 U	0.00026 U	**0.00096 J**	**0.00042 J**	0.00028 U	0.00046 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		**0.00602 J**	0.0007 U	0.00046 U	0.0013 U	0.00024 U	**0.0007 J**	0.0008 U	0.0006 U	0.00234 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		**0.00306 J**	**0.00034 J**	0.00078 U	0.00048 U	0.00036 U	0.00074 U	0.0005 U	0.00044 U	0.00038 U
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		**0.0152 J**	0.0036 U	**0.0029 J**	0.00388 U	**0.00076 J**	0.00072 U	0.00094 U	0.00094 U	**0.00408 J**
Total Tetrachlorodibenzofuran (TCDF)		**0.00184 J**	**0.00253 J**	**0.00101 J**	0.00038 U	**0.000148 J**	0.000532 U	0.000372 U	0.000224 U	0.00077 U
Total Pentachlorodibenzofuran (PeCDF)		**0.0111 J**	**0.00132 J**	**0.00102 J**	**0.000544**	**0.000579 J**	0.00263 U	0.001 U	0.000797 U	**0.00517 J**
Total Hexachlorodibenzofuran (HxCDF)		**0.0236 J**	**0.00197 J**	**0.000722 J**	**0.00235 J**	**0.000318 J**	**0.00336 J**	0.00118 U	0.00032 U	**0.0042 J**
Total Heptachlorodibenzofuran (HpCDF)		**0.0194 J**	**0.00216 J**	0.00078 U	**0.00276 J**	**0.000214 J**	0.00145 U	0.00173 U	0.0016 U	**0.00774**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	0.01	**0.00092156 J**	**0.0008472 J**	**0.00220749 J**	**0.00011212 J**	**0.000038028 J**	**0.002031 J**	**0.001076 J**	**0.00042 J**	**0.000635224 J**

Table 7-6g
Groundwater and Seep Results: Dioxin/Furans

Notes:
Detected concentration is greater than the groundwater screening level
Non-detected concentration is above the groundwater screening level
Bold = Detected result
FD = field duplicate
ft = foot
J = estimated value
N = normal sample
ng/L = nanograms per liter
TEQ = Toxics Equivalents Quotient
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit
WG = groundwater
WSP = groundwater seep

Table 7-7a
Surface Sediment Results: Conventionals and Grain Size

	Location ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-03	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-53	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11
	Sample Date	3/7/2011	3/8/2011	3/8/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/7/2011
	Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N
	X	1268047.45	1268218.05	1268169.29	1268169.29	1268145.51	1268079.89	1268018.54	1267971.91	1268289.07	1268219.38	1268127.37	1268039.92
	Y	204251.47	204112.84	204300.63	204300.63	204406.68	204648.06	204759.26	204896.59	204317.51	204563.02	204817.33	205062.39
	Screening Level												
Conventional Parameters (pct)													
Moisture (water) content		123.2	128.7	126.6	126.7	119.7	112.2	118.3	102.8	116.2	97.2	109.4	120.1
Total organic carbon		2.54	2.63	2.09	2.66	2.73	2.45	2.52	2.28	1.39	2.12	1.65	2.58
Total solids		45.4	44.2	45.3	44.4	47.2	48.3	46.7	50.2	47.3	50.5	50.9	45.7
Total volatile solids		9.36	9.55	9.62	9.37	9.17	9.28	8.98	7.84	8.62	8.57	7.79	8.86
Grain Size (pct)													
Percent retained 1.3 micron sieve		9.4	7	7.9	6.5	7.7	9.1	10	6.7	9.5	10.4	7.8	10.4
Percent retained 3.2 micron sieve		13.2	14.9	14.2	15.5	14.6	14.3	12.5	15	11.3	11.2	12.1	11.2
Percent retained 7 micron sieve		14.8	12.5	11	13.1	8.5	7.5	11.7	11.7	13.8	13.8	8.5	12.7
Percent retained 9 micron sieve		7.8	9.4	8.7	8.2	8.5	7.5	7.5	9.2	6.1	7.8	7.1	6
Percent retained 13 micron sieve		11.7	11.7	12.6	12.2	12.3	9.8	11.7	12.5	12.1	10.4	11.4	11.2
Percent retained 22 micron sieve		10.9	10.2	8.7	10.6	10	9.8	10	10	9.5	8.6	7.1	9.7
Percent retained 32 micron sieve		12.3	14.6	18.9	16	17.5	15.3	11.6	9	16.5	17.2	11.3	15.5
Percent retained 75 micron sieve (#200)		2.7	3.7	3.2	3.5	5	6.3	4.5	3.1	6.7	5	4.5	4.2
Percent retained 150 micron sieve (#100)		0.7	0.2	0.4	0.4	0.8	2.8	2.4	2.1	0.4	1.4	1.6	1.1
Percent retained 250 micron sieve (#60)		0.7	0.2	0.2	0.3	0.5	2.3	1.6	3	0.2	0.9	2.4	1.4
Percent retained 425 micron sieve (#40)		0.9	0.5	0.5	0.5	1	1.4	0.7	1.8	0.4	0.7	1.9	1.2
Percent retained 850 micron sieve (#20)		0.8	1	1.2	1	1.3	1.3	0.4	1.2	0.5	0.5	1.5	0.5
Percent retained 2000 micron sieve (#10)		0.1 U	0.1 U	0.1 U	0.1 U	0.1	0.4	0.1	1.2	0.1 U	0.1 U	1.5	0.1 U
Percent retained 4750 micron sieve (#4)		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1	0.4	0.1 U	0.1 U	2.4	0.1 U
Percent retained 9500 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1.2	0.1 U	0.1 U	1.1	0.1 U
Percent retained 12500 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2	0.1 U	0.1 U	1.2	0.1 U
Percent retained 19000 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.8	0.1 U
Percent retained 25K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 37.5K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 50K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 75K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent passing < 1.3 micron sieve		14	14.1	12.6	12.2	12.3	12.1	15	11.7	13	12.1	13.5	14.9

Table 7-7a
Surface Sediment Results: Conventionals and Grain Size

	Location ID	DSIP2-SS-01_1312	DSIP2-SS-02_1312	DSIP2-SS-03_1312	DSIP2-SS-04_1312	DSIP2-SS-04_1312	DSIP2-SS-05_1312	DSIP2-SS-06_1312	DSIP2-SS-07_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-01-0-10	DSIP2-SS-02-0-10	DSIP2-SS-03-0-10	DSIP2-SS-04-0-10	DSIP2-SS-54-0-10	DSIP2-SS-05-0-10	DSIP2-SS-06-0-10	DSIP2-SS-07-0-10
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013
	Sample Type	N	N	N	N	FD	N	N	N
	X	1268348.20	1268378.77	1268354.38	1268312.28	1268312.28	1268267.50	1268219.24	1268163.93
	Y	204088.52	204254.04	204330.89	204455.57	204455.57	204586.39	204713.69	204828.18
	Screening Level								
Conventional Parameters (pct)									
Moisture (water) content		118.34	93.86	87.1	97.72	98.91	92.13	99.19	95.44
Total organic carbon		2.81 J	2.66 J	2.36 J	2.1 J	2.33 J	1.94 J	1.93 J	1.34 J
Total solids		46.55	53.05	55.61	51.38	52.03	53.46	50.67	52.76
Total volatile solids		8.99	7.17	7.02	7.38	7.46	6.97	7.12	6.79
Grain Size (pct)									
Percent retained 1.3 micron sieve		7.2	5.7	5.6	7.2	6.3	7.7	5.2	6.2
Percent retained 3.2 micron sieve		11.2	8.2	9.6	8.8	9.5	10	7.4	7.8
Percent retained 7 micron sieve		8	4.9	6.4	4	5.5	6.1	4.4	6.2
Percent retained 9 micron sieve		4.8	4.9	3.2	6.4	3.9	4.6	4.4	3.9
Percent retained 13 micron sieve		19.2	18	17.6	17.5	17.3	15.3	17.7	16.4
Percent retained 22 micron sieve		12.8	8.2	9.6	9.6	12.6	10.7	11.8	7.8
Percent retained 32 micron sieve		18.1	19.8	19.8	18.2	14.6	17.9	17.2	17.1
Percent retained 75 micron sieve (#200)		5.6	13.5	11.7	11.8	11.4	11.6	12.6	9.4
Percent retained 150 micron sieve (#100)		1.3	3.7	2.9	3.4	3.4	3.2	4.6	4.2
Percent retained 250 micron sieve (#60)		1.3	2.2	1.9	2.3	2.2	1.9	3.2	4.7
Percent retained 425 micron sieve (#40)		1.5	1.3	1.3	1.7	1.6	1.1	2.2	3.7
Percent retained 850 micron sieve (#20)		1.1	0.8	0.7	1	1	0.5	1.3	1.6
Percent retained 2000 micron sieve (#10)		0.1 U	0.2	0.2	0.3	0.4	0.1 U	0.4	0.7
Percent retained 4750 micron sieve (#4)		0.1 U	0.2	0.1	0.1 U	1.5	0.1 U	0.1	1.8
Percent retained 9500 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 12500 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 19000 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 25K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 37.5K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 50K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 75K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent passing < 1.3 micron sieve		8	8.2	9.6	8	8.7	9.2	7.4	8.6

Table 7-7a
Surface Sediment Results: Conventionals and Grain Size

		Location ID	DSIP2-SS-08_1312	DSIP2-SS-09_1312	DSIP2-SS-10_1312	DSIP2-SS-11_1312	DSIP2-SS-12_1312	DSIP2-SS-14_1312	DSIMR-01	DSIMR-02	DSIMR-03
		Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
		Sample ID	DSIP2-SS-08-0-10	DSIP2-SS-09-0-10	DSIP2-SS-10-0-10	DSIP2-SS-11-0-10	DSIP2-SS-12-0-10	DSIP2-SS-14-0-10	DSIMR-SS-01	DSIMR-SS-02	DSIMR-SS-03
		Sample Date	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	7/23/2013	7/23/2013	7/23/2013
		Sample Type	N	N	N	N	N	N	N	N	N
		X	1268133.42	1268061.44	1268035.46	1267989.00	1268085.53	1268107.09	1268066.22	1268066.94	1268069.67
		Y	204930.87	205005.25	205118.19	205014.02	204799.56	204301.38	204393.09	204421.57	204454.65
	Screening Level										
Conventional Parameters (pct)											
Moisture (water) content		98.1	95.64	78.06	87.75	98.03	122.02	21.15	17.91	50.62
Total organic carbon		2.4	2.21	2.36	2.44	2.46	2.98	0.743	1.5	3.09
Total solids		51.44	52.59	55.53	54.51	50.51	46.73	82.57	84.41	66.5
Total volatile solids		6.8	7.02	6.57	6.22	7.61	8.82	0.61	1.61	4.53
Grain Size (pct)											
Percent retained 1.3 micron sieve		3.5	6.2	7.7	5.4	6.9	7.5	0.4	0.3	4.1
Percent retained 3.2 micron sieve		7	10.1	10.3	9	9.9	9.4	0.1 U	0.7	4.1
Percent retained 7 micron sieve		5.3	5.5	6	8.1	7.6	9.4	0.1 U	0.3	4.7
Percent retained 9 micron sieve		11.4	4.7	13.8	4.5	3.8	8.5	0.1 U	0.1 U	3.6
Percent retained 13 micron sieve		10.6	17.1	6.9	15.3	18.3	17.9	1.3	0.3	2.4
Percent retained 22 micron sieve		7.9	8.6	9.5	8.1	8.4	11.3	0.9	2	2.4
Percent retained 32 micron sieve		18.1	18.9	12.7	11.9	19.6	22.4	2.5	0.7	2.7
Percent retained 75 micron sieve (#200)		8.9	6.1	4.5	5.6	6.5	4.4	7.8	5.5	7.1
Percent retained 150 micron sieve (#100)		4.7	4.2	2.7	5.3	3.9	1.1	13.8	12.7	10.8
Percent retained 250 micron sieve (#60)		5.4	5.4	4.9	8.5	3.6	0.8	24.2	21.6	22.1
Percent retained 425 micron sieve (#40)		3.7	3.3	5.4	6.2	1.5	0.6	33.1	21.2	22.9
Percent retained 850 micron sieve (#20)		1.6	1.3	2.6	2.6	0.8	0.1	13.4	12.4	7.8
Percent retained 2000 micron sieve (#10)		1.2	0.9	2.1	2	0.3	0.1	1.6	5	1.4
Percent retained 4750 micron sieve (#4)		0.8	0.7	3	1.1	1.9	0.1 U	0.2	4.2	0.2
Percent retained 9500 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.4	0.1 U
Percent retained 12500 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	9.2	0.1 U
Percent retained 19000 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 25K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 37.5K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 50K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 75K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent passing < 1.3 micron sieve		9.7	7	7.7	6.3	6.9	6.6	0.9	1.6	3.6

Table 7-7a
Surface Sediment Results: Conventionals and Grain Size

	Location ID	DSIMR-04	DSIMR-04	DSIMR-05
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIMR-SS-04	DSIMR-SS-54	DSIMR-SS-05
	Sample Date	7/23/2013	7/23/2013	7/23/2013
	Sample Type	N	FD	N
	X	1268030.81	1268030.81	1268029.81
	Y	204557.81	204557.81	204601.34
	Screening Level			
Conventional Parameters (pct)				
Moisture (water) content		**33.77**	**39.78**	**42.96**
Total organic carbon		**1.82**	**1.5**	**2.51**
Total solids		**68**	**68**	**57.62**
Total volatile solids		**3.12**	**3.25**	**3.18**
Grain Size (pct)				
Percent retained 1.3 micron sieve		**1.2**	**1**	**1**
Percent retained 3.2 micron sieve		**1.2**	**1.4**	**2.9**
Percent retained 7 micron sieve		0.1 U	0.1 U	**4.8**
Percent retained 9 micron sieve		**1.6**	**1.9**	**1**
Percent retained 13 micron sieve		**2**	**1.4**	**2.9**
Percent retained 22 micron sieve		**0.8**	**1.9**	**1.9**
Percent retained 32 micron sieve		**4.5**	**2.6**	**1.6**
Percent retained 75 micron sieve (#200)		**9.7**	**10.5**	**6.4**
Percent retained 150 micron sieve (#100)		**11.6**	**11.8**	**11**
Percent retained 250 micron sieve (#60)		**17.3**	**17**	**18.8**
Percent retained 425 micron sieve (#40)		**13.9**	**14.5**	**15.8**
Percent retained 850 micron sieve (#20)		**7.8**	**8.3**	**7.8**
Percent retained 2000 micron sieve (#10)		**5.2**	**6.2**	**6.1**
Percent retained 4750 micron sieve (#4)		**5.3**	**7**	**8.5**
Percent retained 9500 micron sieve		**8.6**	**5.7**	**6.2**
Percent retained 12500 micron sieve		**6.4**	**1.6**	**1.7**
Percent retained 19000 micron sieve		0.1 U	**4.2**	0.1 U
Percent retained 25K micron sieve		0.1 U	0.1 U	0.1 U
Percent retained 37.5K micron sieve		0.1 U	0.1 U	0.1 U
Percent retained 50K micron sieve		0.1 U	0.1 U	0.1 U
Percent retained 75K micron sieve		0.1 U	0.1 U	0.1 U
Percent passing < 1.3 micron sieve		**2.8**	**2.9**	**1.9**

Table 7-7a
Surface Sediment Results: Conventionals and Grain Size

Notes:
Bold = Detected result
cm = centimeter
FD = field duplicate
J = Estimated value
N = normal sample
pct = percent
U = Compound analyzed, but not detected above detection limit

Table 7-7b
Surface Sediment Results: Metals and TBT

	Location ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-03	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-53	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01-0-10
	Sample Date	3/7/2011	3/8/2011	3/8/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/7/2011	12/17/2013
	Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N
	X	1268047.45	1268218.05	1268169.29	1268169.29	1268145.51	1268079.89	1268018.54	1267971.91	1268289.07	1268219.38	1268127.37	1268039.92	1268348.20
	Y	204251.47	204112.84	204300.63	204300.63	204406.68	204648.06	204759.26	204896.59	204317.51	204563.02	204817.33	205062.39	204088.52
	Screening Level													
Metals (mg/kg)														
Antimony		0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	--
Arsenic	7	**24.2**	**12.4**	**14.8**	**14.7**	**16.4**	**24**	**18.4**	**30.1**	**11**	**13.3**	**18.9**	**27.8**	**12.8**
Beryllium		**0.5**	**0.4**	**0.5**	**0.5**	**0.4**	**0.4**	**0.4**	**0.4**	**0.4**	**0.4**	**0.4**	**0.4**	--
Cadmium	5.1	**0.6**	**0.5**	**0.5**	**0.5**	**0.6**	**0.5**	**0.6**	**1.2**	0.4 U	**0.6**	**0.5**	**0.5**	**0.4**
Chromium	260	**36 J**	**27 J**	**30 J**	**31 J**	**32 J**	**32 J**	**34 J**	**35 J**	**27 J**	**33 J**	**33 J**	**28 J**	**31**
Chromium VI		**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
Copper	390	**93.3**	**47.3**	**58.8**	**60**	**67.1**	**87.7**	**112**	**107**	**42.1**	**65.1**	**82.8**	**59**	**68**
Lead	450	**34**	**15**	**22**	**23**	**27**	**39**	**36**	**48**	**13**	**26**	**49**	**20**	**32.7**
Mercury	0.41	**0.19**	**0.12**	**0.18**	**0.18**	**0.19**	**0.14**	**0.21**	**0.23**	**0.1**	**0.2**	**0.16**	**0.13**	**0.2**
Nickel		**28**	**23**	**25**	**26**	**25**	**25**	**25**	**27**	**23**	**27**	**25**	**23**	--
Selenium		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Silver	6.1	0.7 U	0.6 U	0.7 U	0.7 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U	0.6 U	0.7 U	0.5 UJ
Thallium		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	--
Zinc	410	**160**	**90**	**106**	**111**	**131**	**154**	**155**	**188**	**82**	**118**	**255**	**102**	**135**
Organometallic Compounds (µg/kg)														
Tributyltin (ion)	73	**30**	**7.2**	**15**	**14**	**29**	**180**	**74**	**170**	3.6 U	**7.2**	**87**	**32**	**69 J**

Table 7-7b
Surface Sediment Results: Metals and TBT

	Location ID	DSIP2-SS-02_1312	DSIP2-SS-03_1312	DSIP2-SS-04_1312	DSIP2-SS-04_1312	DSIP2-SS-05_1312	DSIP2-SS-06_1312	DSIP2-SS-07_1312	DSIP2-SS-08_1312	DSIP2-SS-09_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-02-0-10	DSIP2-SS-03-0-10	DSIP2-SS-04-0-10	DSIP2-SS-54-0-10	DSIP2-SS-05-0-10	DSIP2-SS-06-0-10	DSIP2-SS-07-0-10	DSIP2-SS-08-0-10	DSIP2-SS-09-0-10
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	FD	N	N	N	N	N
	X	1268378.77	1268354.38	1268312.28	1268312.28	1268267.50	1268219.24	1268163.93	1268133.42	1268061.44
	Y	204254.04	204330.89	204455.57	204455.57	204586.39	204713.69	204828.18	204930.87	205005.25
	Screening Level									
Metals (mg/kg)										
Antimony		--	--	--	--	--	--	--	--	--
Arsenic	7	**11.5**	**10.5**	**10.7**	**10.8**	**12.4**	**13.3**	**14.2**	**23.4**	**19.2**
Beryllium		--	--	--	--	--	--	--	--	--
Cadmium	5.1	**0.4**	**0.3**	**0.3**	**0.3**	**0.4**	**0.4**	**0.4**	**0.4**	**0.5**
Chromium	260	**26.7**	**25.6**	**22.3**	**26**	**26.3**	**28**	**26**	**28.5**	**28**
Chromium VI		**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
Copper	390	**65.2**	**56.7**	**50.8**	**52**	**62.8**	**74**	**82**	**94.6 J**	**96 J**
Lead	450	**31.2**	**37.1**	**23.5**	**25.1**	**28.2**	**40**	**37.7**	**50.3 J**	**46.5 J**
Mercury	0.41	**0.18**	**0.21**	**0.13**	**0.16**	**0.15**	**0.21**	**0.17**	**0.21**	**0.34**
Nickel		--	--	--	--	--	--	--	--	--
Selenium		--	--	--	--	--	--	--	--	--
Silver	6.1	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	**0.4 J**
Thallium		--	--	--	--	--	--	--	--	--
Zinc	410	**129**	**121**	**100**	**112**	**128**	**137**	**151**	**164**	**185**
Organometallic Compounds (µg/kg)										
Tributyltin (ion)	73	**34**	**36**	**27**	**29**	**44**	**110**	**54**	**160**	**100**

Table 7-7b
Surface Sediment Results: Metals and TBT

	Location ID	DSIP2-SS-10_1312	DSIP2-SS-11_1312	DSIP2-SS-12_1312	DSIP2-SS-14_1312	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-04	DSIMR-04	DSIMR-05
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-10-0-10	DSIP2-SS-11-0-10	DSIP2-SS-12-0-10	DSIP2-SS-14-0-10	DSIMR-SS-01	DSIMR-SS-02	DSIMR-SS-03	DSIMR-SS-04	DSIMR-SS-54	DSIMR-SS-05
	Sample Date	12/18/2013	12/18/2013	12/18/2013	12/18/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N
	X	1268035.46	1267989.00	1268085.53	1268107.09	1268066.22	1268066.94	1268069.67	1268030.81	1268030.81	1268029.81
	Y	205118.19	205014.02	204799.56	204301.38	204393.09	204421.57	204454.65	204557.81	204557.81	204601.34
	Screening Level										
Metals (mg/kg)											
Antimony		--	--	--	--	--	--	--	--	--	--
Arsenic	7	**18.6**	**58.5**	**18.2**	**19.4**	**5490**	**1870**	**470**	**630**	**580**	**750**
Beryllium		--	--	--	--	--	--	--	--	--	--
Cadmium	5.1	**0.4**	**0.9**	**0.4**	**0.4**	**10**	**4**	**1**	**1.8**	**1.5**	**2**
Chromium	260	**28.1**	**36.9**	**29**	**31**	**177 J**	**124 J**	**70 J**	**79 J**	**67 J**	**131 J**
Chromium VI		**-- R**	**-- R**	**-- R**	**-- R**	0.477 U	0.474 U	0.587 U	0.579 U	0.586 U	0.683 U
Copper	390	**88.8 J**	**188 J**	**89 J**	**82 J**	**3060**	**2170**	**844**	**880**	**3640**	**1030**
Lead	450	**44.4 J**	**118 J**	**46.1 J**	**36.3 J**	**3660**	**1400**	**591**	**609**	**522**	**570**
Mercury	0.41	**0.2**	**0.28**	**0.22**	**0.2**	**5.4**	**4.1**	**2.67**	**0.99**	**1.15**	**0.56**
Nickel		--	--	--	--	--	--	--	--	--	--
Selenium		--	--	--	--	--	--	--	--	--	--
Silver	6.1	0.4 UJ	**0.6 J**	0.4 UJ	0.4 UJ	**5**	**2**	1 U	1 U	1 U	2 U
Thallium		--	--	--	--	--	--	--	--	--	--
Zinc	410	**157**	**288**	**144**	**153**	**13000**	**4880**	**1440**	**2040**	**1710**	**2340**
Organometallic Compounds (µg/kg)											
Tributyltin (ion)	73	**56**	**390**	**47**	**63**	**4200**	**3600**	**1100**	**320**	**1500**	**1200**

Table 7-7b
Surface Sediment Results: Metals and TBT

Notes:

Detected concentration is greater than the sediment screening level

Non-detected concentration is above the sediment screening level

Bold = Detected result

-- = not analyzed

µg/kg = micrograms per kilogram

cm = centimeter

FD = field duplicate

J = estimated value

mg/kg = milligrams per kilogram

N = normal sample

R = rejected

U = compound analyzed, but not detected above detection limit

UJ = compound analyzed, but not detected above estimated detection limit

Table 7-7c
Surface Sediment Results: PAHs

	Location ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-03	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-53	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01-0-10
	Sample Date	3/7/2011	3/8/2011	3/8/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/7/2011	12/17/2013
	Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N
	X	1268047.45	1268218.05	1268169.29	1268169.29	1268145.51	1268079.89	1268018.54	1267971.91	1268289.07	1268219.38	1268127.37	1268039.92	1268348.20
	Y	204251.47	204112.84	204300.63	204300.63	204406.68	204648.06	204759.26	204896.59	204317.51	204563.02	204817.33	205062.39	204088.52
Screening Level														
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)														
1-Methylnaphthalene		**2.598**	**0.989**	0.909 U	0.714 U	**0.348 J**	**0.449 J**	**0.437 J**	0.877 U	1.367 U	**0.991**	**0.97 J**	**0.426 J**	**1.068**
2-Methylnaphthalene	38	**0.827**	0.76 U	0.909 U	0.714 U	**0.623 J**	**1.143**	**0.595 J**	**0.526 J**	1.367 U	**0.566 J**	**0.667 J**	**0.62 J**	**1.352**
Acenaphthene	16	**0.984**	0.76 U	**0.622 J**	**0.526 J**	**1.172**	**2.122**	**1.468**	**0.877**	1.367 U	**0.519 J**	**1.091 J**	**0.62 J**	**1.068**
Acenaphthylene	66	0.748 U	0.76 U	0.909 U	0.714 U	**0.44 J**	**0.571 J**	**0.635 J**	0.877 U	1.367 U	0.896 U	1.152 U	0.736 U	**0.534**
Anthracene	220	**2.008**	**0.3726 J**	**1.34**	**0.94**	**2.308**	**25.714**	**2.937**	**2.061**	**1.655**	**1.887**	**3.333**	**1.163**	**3.31**
Benzo(a)anthracene	110	**5.118**	**1.217**	**4.498**	**3.496**	**6.96**	**13.469**	**10.714**	**7.456**	**1.511**	**6.132**	**9.697**	**3.372**	**7.829**
Benzo(a)pyrene	99	**3.78**	**1.141**	**2.871**	**2.331**	**5.128**	**11.02**	**9.524**	**7.018 J**	**1.511**	**5.66**	**7.879**	**3.178**	**8.541**
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--	--	--	--	--	**7.473**
Benzo(b,j,k)fluoranthenes		**9.449**	**2.814**	**7.177**	**5.639**	**13.187**	**24.898**	**21.429**	**15.789**	**3.741**	**13.208**	**16.97**	**6.977**	--
Benzo(g,h,i)perylene	31	**2.48**	**0.798**	**1.818**	**1.504**	**2.894**	**5.714**	**4.762**	**4.386**	**1.223 J**	**3.774**	**4.97**	**2.287**	**5.694**
Benzo(k)fluoranthene		--	--	--	--	--	--	--	--	--	--	--	--	**3.523**
Carbazole		--	--	--	--	--	--	--	--	--	--	--	--	**1.53**
Chrysene	110	**7.874**	**1.749**	**6.22**	**5.263**	**10.623**	**18.367**	**12.698**	**10.526 J**	**3.453**	**8.962**	**12.727**	**4.651**	**12.1**
Dibenzo(a,h)anthracene	12	**0.748**	0.76 U	**0.67 J**	**0.526 J**	**1.062**	**2.041**	**1.587**	**1.93**	1.367 U	**1.179**	**1.333**	**0.736**	**2.883 J**
Dibenzofuran	15	**1.063**	0.76 U	**0.4641 J**	**0.451 J**	**1.099**	**2.245**	**1.27**	**0.702 J**	1.367 U	**0.708 J**	**0.909 J**	**0.698 J**	**1.495**
Fluoranthene	160	**11.811**	**2.662**	**10.048**	**7.519**	**20.513**	**31.02**	**21.032**	**15.351 J**	**3.741**	**11.321**	**23.03**	**8.527**	**16.37**
Fluorene	23	**2.008**	**0.418 J**	**0.813 J**	**0.602 J**	**1.209**	**3.878**	**1.667**	**1.096**	1.367 U	**0.755 J**	**1.273**	**0.736**	**1.637**
Indeno(1,2,3-c,d)pyrene	34	**2.205**	**0.684 J**	**1.722**	**1.316**	**2.674**	**5.714**	**4.365**	**3.947**	**1.079 J**	**3.396**	**4.545**	**2.016**	**5.338**
Naphthalene	99	**1.496**	0.76 U	0.909 U	**0.3571 J**	**1.026**	**1.714**	**1.111**	**0.746 J**	1.367 U	**1.085**	**1.212**	**1.047**	**1.566**
Phenanthrene	100	**5.906**	**1.635**	**5.263**	**3.759**	**5.861**	**18.367**	**9.524**	**6.579**	**2.23**	**4.717**	**12.727**	**4.651**	**6.406**
Pyrene	1000	**9.843**	**2.7**	**8.612**	**6.391**	**15.385**	**26.122**	**17.857**	**19.737 J**	**3.453**	**11.321**	**21.818**	**7.752**	**15.302**
Total Benzofluoranthenes (b,j,k) (U = 0)	230	**9.449**	**2.814**	**7.177**	**5.639**	**13.187**	**24.898**	**21.429**	**15.789**	**3.741**	**13.208**	**16.97**	**6.977**	**10.996**
Total HPAH (SMS) (U = 0)	960	**53.307**	**13.764 J**	**43.636 J**	**33.985 J**	**78.425**	**138.367**	**103.968**	**86.14 J**	**19.712 J**	**64.953**	**102.97**	**39.496**	**85.053 J**
Total LPAH (SMS) (U = 0)	370	**12.402**	**2.4259 J**	**8.038 J**	**6.1842 J**	**12.015 J**	**52.367 J**	**17.341 J**	**11.36 J**	**3.885**	**8.962 J**	**19.636 J**	**8.217 J**	**14.52**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		**5.61024**	**1.62966 J**	**4.33971 J**	**3.4812 J**	**7.62271**	**15.81633**	**13.46032**	**10.03509 J**	**2.17842 J**	**8.14151**	**11.26061**	**4.53488**	**11.36655 J**
Polycyclic Aromatic Hydrocarbons (µg/kg)														
1-Methylnaphthalene		**66**	**26**	19 U	19 U	**9.5 J**	**11 J**	**11 J**	20 U	19 U	**21**	**16 J**	**11 J**	**30**
2-Methylnaphthalene		**21**	20 U	19 U	19 U	**17 J**	**28**	**15 J**	**12 J**	19 U	**12 J**	**11 J**	**16 J**	**38**
Acenaphthene		**25**	20 U	**13 J**	**14 J**	**32**	**52**	**37**	**20**	19 U	**11 J**	**18 J**	**16 J**	**30**
Acenaphthylene		19 U	20 U	19 U	19 U	**12 J**	**14 J**	**16 J**	20 U	19 U	19 U	19 U	19 U	**15**
Anthracene		**51**	**9.8 J**	**28**	**25**	**63**	**630**	**74**	**47**	**23**	**40**	**55**	**30**	**93**
Benzo(a)anthracene		**130**	**32**	**94**	**93**	**190**	**330**	**270**	**170**	**21**	**130**	**160**	**87**	**220**
Benzo(a)pyrene		**96**	**30**	**60**	**62**	**140**	**270**	**240**	**160 J**	**21**	**120**	**130**	**82**	**240**
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--	--	--	--	--	**210**
Benzo(b,j,k)fluoranthenes		**240**	**74**	**150**	**150**	**360**	**610**	**540**	**360**	**52**	**280**	**280**	**180**	--
Benzo(g,h,i)perylene		**63**	**21**	**38**	**40**	**79**	**140**	**120**	**100**	**17 J**	**80**	**82**	**59**	**160**
Benzo(k)fluoranthene		--	--	--	--	--	--	--	--	--	--	--	--	**99**
Carbazole		--	--	--	--	--	--	--	--	--	--	--	--	**43**
Chrysene		**200**	**46**	**130**	**140**	**290**	**450**	**320**	**240 J**	**48**	**190**	**210**	**120**	**340**
Dibenzo(a,h)anthracene		**19**	20 U	**14 J**	**14 J**	**29**	**50**	**40**	**44**	19 U	**25**	**22**	**19**	**81 J**

Table 7-7c
Surface Sediment Results: PAHs

	Location ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-03	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-53	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01-0-10
	Sample Date	3/7/2011	3/8/2011	3/8/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/7/2011	12/17/2013
	Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N
	X	1268047.45	1268218.05	1268169.29	1268169.29	1268145.51	1268079.89	1268018.54	1267971.91	1268289.07	1268219.38	1268127.37	1268039.92	1268348.20
	Y	204251.47	204112.84	204300.63	204300.63	204406.68	204648.06	204759.26	204896.59	204317.51	204563.02	204817.33	205062.39	204088.52
	Screening Level													
Dibenzofuran		27	20 U	9.7 J	12 J	30	55	32	16 J	19 U	15 J	15 J	18 J	42
Fluoranthene		300	70	210	200	560	760	530	350 J	52	240	380	220	460
Fluorene		51	11 J	17 J	16 J	33	95	42	25	19 U	16 J	21	19	46
Indeno(1,2,3-c,d)pyrene		56	18 J	36	35	73	140	110	90	15 J	72	75	52	150
Naphthalene		38	20 U	19 U	9.5 J	28	42	28	17 J	19 U	23	20	27	44
Phenanthrene		150	43	110	100	160	450	240	150	31	100	210	120	180
Pyrene		250	71	180	170	420	640	450	450 J	48	240	360	200	430
Total Benzofluoranthenes (b,j,k) (U = 0)		240	74	150	150	360	610	540	360	52	280	280	180	309
Total HPAH (SMS) (U = 0)		1354	362 J	912 J	904 J	2141	3390	2620	1964 J	274 J	1377	1699	1019	2390 J
Total LPAH (SMS) (U = 0)		315	63.8 J	168 J	164.5 J	328 J	1283 J	437 J	259 J	54	190 J	324 J	212 J	408
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	142.5	42.86 J	90.7 J	92.6 J	208.1	387.5	339.2	228.8 J	30.28 J	172.6	185.8	117	319.4 J

Table 7-7c
Surface Sediment Results: PAHs

	Location ID	DSIP2-SS-02_1312	DSIP2-SS-03_1312	DSIP2-SS-04_1312	DSIP2-SS-04_1312	DSIP2-SS-05_1312	DSIP2-SS-06_1312	DSIP2-SS-07_1312	DSIP2-SS-08_1312	DSIP2-SS-09_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-02-0-10	DSIP2-SS-03-0-10	DSIP2-SS-04-0-10	DSIP2-SS-54-0-10	DSIP2-SS-05-0-10	DSIP2-SS-06-0-10	DSIP2-SS-07-0-10	DSIP2-SS-08-0-10	DSIP2-SS-09-0-10
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	FD	N	N	N	N	N
	X	1268378.77	1268354.38	1268312.28	1268312.28	1268267.50	1268219.24	1268163.93	1268133.42	1268061.44
	Y	204254.04	204330.89	204455.57	204455.57	204586.39	204713.69	204828.18	204930.87	205005.25
	Screening Level									
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)										
1-Methylnaphthalene		1.09	0.763 J	0.476	0.73 J	0.876 J	0.933 J	1.194 J	0.708 J	0.905
2-Methylnaphthalene	38	1.541	0.932	0.714	0.901	1.134	1.192	1.567	1	1.267
Acenaphthene	16	1.842	1.017	0.619	1.116	1.082	2.124	2.015	1.125	1.81
Acenaphthylene	66	0.94	0.593 J	0.524	0.687 J	0.979	1.295	0.97 J	1.042	1.176
Anthracene	220	7.143	4.025	4.048	3.605	3.814	6.218	6.716	4	6.335
Benzo(a)anthracene	110	11.654	7.203	10.476	9.871	11.34	19.171	15.672	12.5	16.742
Benzo(a)pyrene	99	11.654	7.627	10	9.871	11.856	16.062	16.418	15	18.1
Benzo(b)fluoranthene		10.902	4.661	8.095	4.721	8.763	10.881	17.164	10.833	14.48
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	31	6.391	4.237	6.19	5.15	5.155 J	7.254	8.209	5	6.335
Benzo(k)fluoranthene		4.887	2.119	3.524	2.318	4.227	5.181	7.463	4.583	7.24
Carbazole		2.068	1.059	2.81 U	1.288	1.443	2.746	2.239	1.5	2.127
Chrysene	110	16.917	10.593	13.81	12.446	16.495	26.943	20.896	17.083	21.719
Dibenzo(a,h)anthracene	12	2.97 J	1.78	2.857 J	2.618 J	2.784 J	3.316 J	4.328 J	2.958 J	3.032 J
Dibenzofuran	15	2.105	1.229	1.524 J	1.116	1.443	2.332	2.463	1.375	1.9
Fluoranthene	160	32.707	16.102	21.429	21.888	22.68	40.415	35.821	24.167	35.294
Fluorene	23	2.406	1.271	0.952	1.502	1.649	2.953	2.687	1.667	2.624
Indeno(1,2,3-c,d)pyrene	34	6.015	3.898	5.238	4.721	5.103	6.736	7.463	5.417	6.787
Naphthalene	99	2.782	1.356	1.048	1.116	1.443	1.813	2.687	1.667	1.946
Phenanthrene	100	13.158	6.356	8.571	9.442	9.278	18.135	13.433	10	12.67
Pyrene	1000	27.444	15.254	20.476	20.601	23.711	35.751	35.821	23.75	43.439
Total Benzofluoranthenes (b,j,k) (U = 0)	230	15.789	6.78	11.619	7.039	12.99	16.062	24.627	15.417	21.719
Total HPAH (SMS) (U = 0)	960	131.541 J	73.475	102.095 J	94.206 J	112.113 J	171.71 J	169.254 J	121.292 J	173.167 J
Total LPAH (SMS) (U = 0)	370	28.271	14.619 J	15.762	17.468 J	18.247	32.539	28.507 J	19.5	26.561
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		15.46617 J	9.69915	13.15714 J	12.4206 J	15.24227 J	20.8601 J	21.83582 J	18.8 J	23.1448 J
Polycyclic Aromatic Hydrocarbons (µg/kg)										
1-Methylnaphthalene		29	18 J	10	17 J	17 J	18 J	16 J	17 J	20
2-Methylnaphthalene		41	22	15	21	22	23	21	24	28
Acenaphthene		49	24	13	26	21	41	27	27	40
Acenaphthylene		25	14 J	11	16 J	19	25	13 J	25	26
Anthracene		190	95	85	84	74	120	90	96	140
Benzo(a)anthracene		310	170	220	230	220	370	210	300	370
Benzo(a)pyrene		310	180	210	230	230	310	220	360	400
Benzo(b)fluoranthene		290	110	170	110	170	210	230	260	320
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene		170	100	130	120	100 J	140	110	120	140
Benzo(k)fluoranthene		130	50	74	54	82	100	100	110	160
Carbazole		55	25	59 U	30	28	53	30	36	47
Chrysene		450	250	290	290	320	520	280	410	480
Dibenzo(a,h)anthracene		79 J	42	60 J	61 J	54 J	64 J	58 J	71 J	67 J

Table 7-7c
Surface Sediment Results: PAHs

	Location ID	DSIP2-SS-02_1312	DSIP2-SS-03_1312	DSIP2-SS-04_1312	DSIP2-SS-04_1312	DSIP2-SS-05_1312	DSIP2-SS-06_1312	DSIP2-SS-07_1312	DSIP2-SS-08_1312	DSIP2-SS-09_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-02-0-10	DSIP2-SS-03-0-10	DSIP2-SS-04-0-10	DSIP2-SS-54-0-10	DSIP2-SS-05-0-10	DSIP2-SS-06-0-10	DSIP2-SS-07-0-10	DSIP2-SS-08-0-10	DSIP2-SS-09-0-10
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	FD	N	N	N	N	N
	X	1268378.77	1268354.38	1268312.28	1268312.28	1268267.50	1268219.24	1268163.93	1268133.42	1268061.44
	Y	204254.04	204330.89	204455.57	204455.57	204586.39	204713.69	204828.18	204930.87	205005.25
	Screening Level									
Dibenzofuran		56	29	32 J	26	28	45	33	33	42
Fluoranthene		870	380	450	510	440	780	480	580	780
Fluorene		64	30	20	35	32	57	36	40	58
Indeno(1,2,3-c,d)pyrene		160	92	110	110	99	130	100	130	150
Naphthalene		74	32	22	26	28	35	36	40	43
Phenanthrene		350	150	180	220	180	350	180	240	280
Pyrene		730	360	430	480	460	690	480	570	960
Total Benzofluoranthenes (b,j,k) (U = 0)		420	160	244	164	252	310	330	370	480
Total HPAH (SMS) (U = 0)		3499 J	1734	2144 J	2195 J	2175 J	3314 J	2268 J	2911 J	3827 J
Total LPAH (SMS) (U = 0)		752	345 J	331	407 J	354	628	382 J	468	587
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	411.4 J	228.9	276.3 J	289.4 J	295.7 J	402.6 J	292.6 J	451.2 J	511.5 J

Table 7-7c
Surface Sediment Results: PAHs

	Location ID	DSIP2-SS-10_1312	DSIP2-SS-11_1312	DSIP2-SS-12_1312	DSIP2-SS-14_1312	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-04	DSIMR-04	DSIMR-05
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-10-0-10	DSIP2-SS-11-0-10	DSIP2-SS-12-0-10	DSIP2-SS-14-0-10	DSIMR-SS-01	DSIMR-SS-02	DSIMR-SS-03	DSIMR-SS-04	DSIMR-SS-54	DSIMR-SS-05
	Sample Date	12/18/2013	12/18/2013	12/18/2013	12/18/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N
	X	1268035.46	1267989.00	1268085.53	1268107.09	1268066.22	1268066.94	1268069.67	1268030.81	1268030.81	1268029.81
	Y	205118.19	205014.02	204799.56	204301.38	204393.09	204421.57	204454.65	204557.81	204557.81	204601.34
	Screening Level										
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
1-Methylnaphthalene		0.551 J	0.902	0.813	0.839	14.805 J	3.6	15.534	3.022	2.333	1.594
2-Methylnaphthalene	38	1.059	1.475	1.22	1.376	11.844 J	5.733	32.362	4.67	3.067	1.514
Acenaphthene	16	1.61	2.787	1.667	1.544	119.785	27.333	23.948	8.242	6.467	7.57
Acenaphthylene	66	0.636	1.639	1.301	1.208	21.534	5.2	3.56	6.593	6.333	1.912
Anthracene	220	4.661	10.246	5.691	8.054	349.933	100	9.709	29.67	22	23.108
Benzo(a)anthracene	110	11.864	23.77	14.228	14.765	1480.485	200	35.599	142.857	100	39.841
Benzo(a)pyrene	99	13.559	30.328	14.634	13.423	1305.518	160	26.861	120.879	100	31.076
Benzo(b)fluoranthene		9.322	13.115	14.634	10.067	1157.47	60	25.566	120.879	100	30.279
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	31	4.661	9.426	6.098	4.698	888.291	93.333	16.505	65.934	54.667	14.343
Benzo(k)fluoranthene		4.237	6.557	6.504	4.698	699.865	35.333	12.298	65.934	55.333	15.139
Carbazole		1.907	3.32	1.87	2.483	255.72	40 J	6.472 J	19.231 J	24 J	9.96 J
Chrysene	110	16.102	30.328	20.325	20.805	1615.074	226.667	48.544	203.297	160	51.793
Dibenzo(a,h)anthracene	12	3.008	4.918 J	2.398 J	2.248 J	255.72	33.333	4.531	13.736	15.333	--
Dibenzofuran	15	1.483	2.5	1.992	2.114	71.332	18	12.298	5	4.333	5.179
Fluoranthene	160	29.661	53.279	39.024	33.557	3903.096	466.667	84.142	445.055	253.333	111.554
Fluorene	23	1.78	3.975	2.439	2.785	148.048	34.667	7.12	9.89	6.467	9.163
Indeno(1,2,3-c,d)pyrene	34	5.932	9.836	5.691	4.362	820.996	93.333	14.239	65.934	51.333	14.343
Naphthalene	99	1.61	2.623	1.87	1.678	51.144	10	7.767	5.165	3.933	4.382
Phenanthrene	100	9.322	20.492	12.602	11.074	1615.074	373.333	51.78	76.923	64	37.45
Pyrene	1000	34.322	65.574	32.114	30.201	2691.79	460	67.961	296.703	166.667	71.713
Total Benzofluoranthenes (b,j,k) (U = 0)	230	13.559	19.672	21.138	14.765	1857.335	95.333	37.864	186.813	155.333	45.418
Total HPAH (SMS) (U = 0)	960	132.669	247.131 J	155.65 J	138.826 J	14818.304	1828.667	336.246	1541.209	1056.667	380.08
Total LPAH (SMS) (U = 0)	370	19.619	41.762	25.569	26.342	2305.518	550.533	103.883	136.484	109.2	83.586
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		17.15678	36.45082 J	19.18293 J	17.24497 J	1763.12248	204.46667	36.56958	163.84615	133.8	41.55378
Polycyclic Aromatic Hydrocarbons (µg/kg)											
1-Methylnaphthalene		13 J	22	20	25	110 J	54	480	55	35	40
2-Methylnaphthalene		25	36	30	41	88 J	86	1000	85	46	38
Acenaphthene		38	68	41	46	890	410	740	150	97	190
Acenaphthylene		15	40	32	36	160	78	110	120	95	48
Anthracene		110	250	140	240	2600	1500	300	540	330	580
Benzo(a)anthracene		280	580	350	440	11000	3000	1100	2600	1500	1000
Benzo(a)pyrene		320	740	360	400	9700	2400	830	2200	1500	780
Benzo(b)fluoranthene		220	320	360	300	8600	900	790	2200	1500	760
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene		110	230	150	140	6600	1400	510	1200	820	360
Benzo(k)fluoranthene		100	160	160	140	5200	530	380	1200	830	380
Carbazole		45	81	46	74	1900	600 J	200 J	350 J	360 J	250 J
Chrysene		380	740	500	620	12000	3400	1500	3700	2400	1300
Dibenzo(a,h)anthracene		71	120 J	59 J	67 J	1900	500	140	250	230	--

Table 7-7c
Surface Sediment Results: PAHs

		Location ID	DSIP2-SS-10_1312	DSIP2-SS-11_1312	DSIP2-SS-12_1312	DSIP2-SS-14_1312	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-04	DSIMR-04	DSIMR-05
		Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
		Sample ID	DSIP2-SS-10-0-10	DSIP2-SS-11-0-10	DSIP2-SS-12-0-10	DSIP2-SS-14-0-10	DSIMR-SS-01	DSIMR-SS-02	DSIMR-SS-03	DSIMR-SS-04	DSIMR-SS-54	DSIMR-SS-05
		Sample Date	12/18/2013	12/18/2013	12/18/2013	12/18/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
		Sample Type	N	N	N	N	N	N	N	N	FD	N
		X	1268035.46	1267989.00	1268085.53	1268107.09	1268066.22	1268066.94	1268069.67	1268030.81	1268030.81	1268029.81
		Y	205118.19	205014.02	204799.56	204301.38	204393.09	204421.57	204454.65	204557.81	204557.81	204601.34
	Screening Level											
Dibenzofuran			35	61	49	63	530	270	380	91	65	130
Fluoranthene			700	1300	960	1000	29000	7000	2600	8100	3800	2800
Fluorene			42	97	60	83	1100	520	220	180	97	230
Indeno(1,2,3-c,d)pyrene			140	240	140	130	6100	1400	440	1200	770	360
Naphthalene			38	64	46	50	380	150	240	94	59	110
Phenanthrene			220	500	310	330	12000	5600	1600	1400	960	940
Pyrene			810	1600	790	900	20000	6900	2100	5400	2500	1800
Total Benzofluoranthenes (b,j,k) (U = 0)			320	480	520	440	13800	1430	1170	3400	2330	1140
Total HPAH (SMS) (U = 0)			3131	6030 J	3829 J	4137 J	110100	27430	10390	28050	15850	9540
Total LPAH (SMS) (U = 0)			463	1019	629	785	17130	8258	3210	2484	1638	2098
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150		404.9	889.4 J	471.9 J	513.9 J	13100	3067	1130	2982	2007	1043

Table 7-7c
Surface Sediment Results: PAHs

Notes
Detected concentration is greater than the sediment screening level
Non-detected concentration is above the sediment screening level
Bold = Detected result
-- = not analyzed
µg/kg = micrograms per kilogram
cm = centimeter
cPAH = carcinogenic polycyclic aromatic hydrocarbon
FD = field duplicate
HPAH = high molecular weight polycyclic aromatic hydrocarbon
J = estimated value
LPAH = low molecular weight polycyclic aromatic hydrocarbon
mg/kg-OC = milligrams per kilogram organic carbon normalized
N = normal sample
SMS = Sediment Management Standards
TEQ = Toxic Equivalents Quotient
U = compound analyzed, but not detected above detection limit

Table 7-7d
Surface Sediment Results: SVOCs

	Location ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-03	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-53	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01-0-10
	Sample Date	3/7/2011	3/8/2011	3/8/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/7/2011	12/17/2013
	Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N
	X	1268047.45	1268218.05	1268169.29	1268169.29	1268145.51	1268079.89	1268018.54	1267971.91	1268289.07	1268219.38	1268127.37	1268039.92	1268348.20
	Y	204251.47	204112.84	204300.63	204300.63	204406.68	204648.06	204759.26	204896.59	204317.51	204563.02	204817.33	205062.39	204088.52
	Screening Level													
Semivolatile Organics (mg/kg-OC)														
1,2,4-Trichlorobenzene	0.81	0.185 U	0.1863 U	0.2297 U	0.1805 U	0.1758 U	0.1959 U	0.1905 U	0.2149 UJ	0.3453 U	0.2217 U	0.2848 U	0.186 U	**0.391**
1,2-Dichlorobenzene	2.3	0.0709 U	0.0684 U	0.0909 U	0.0639 UJ	0.0659 U	0.0694 U	0.0714 U	0.0746 U	0.1223 U	0.0755 U	0.103 U	0.0736 U	**0.427**
1,3-Dichlorobenzene		0.748 U	0.76 U	0.909 U	0.714 U	0.696 U	0.776 U	0.754 U	0.877 UJ	1.367 U	0.896 U	1.152 U	0.736 U	**0.391**
1,4-Dichlorobenzene	3.1	0.0709 U	0.0684 U	0.0909 U	0.0639 UJ	0.0659 U	0.0694 U	0.0714 U	**0.1184 J**	0.1223 U	0.0755 U	0.103 U	0.0736 U	**0.498**
2,2'-Oxybis (1-chloropropane)		--	--	--	--	--	--	--	--	--	--	--	--	0.712 U
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	--	--	--	--	--	**0.534 J**
2,4,5-Trichlorophenol		--	--	--	--	--	--	--	--	--	--	--	--	**1.352 J**
2,4,6-Trichlorophenol		--	--	--	--	--	--	--	--	--	--	--	--	**1.423 J**
2,4-Dichlorophenol		--	--	--	--	--	--	--	--	--	--	--	--	3.488 U
2,4-Dimethylphenol		0.748 U	0.76 UJ	0.909 UJ	0.714 UJ	0.696 U	0.776 U	0.754 U	0.877 UJ	1.367 U	0.896 U	1.152 U	0.736 U	**1.21**
2,4-Dinitrophenol		--	--	--	--	--	--	--	--	--	--	--	--	7.117 U
2,4-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--	--	--	3.488 U
2,6-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--	--	--	3.488 U
2-Chloronaphthalene		--	--	--	--	--	--	--	--	--	--	--	--	0.712 U
2-Chlorophenol		--	--	--	--	--	--	--	--	--	--	--	--	0.712 U
2-Methylphenol (o-Cresol)		0.748 U	0.76 U	0.909 U	0.714 U	0.696 U	0.776 U	0.754 U	0.877 U	1.367 U	0.896 U	1.152 U	0.736 U	**0.605**
2-Nitroaniline		--	--	--	--	--	--	--	--	--	--	--	--	3.488 U
2-Nitrophenol		--	--	--	--	--	--	--	--	--	--	--	--	0.712 U
3,3'-Dichlorobenzidine		--	--	--	--	--	--	--	--	--	--	--	--	3.488 UJ
3-Nitroaniline		--	--	--	--	--	--	--	--	--	--	--	--	3.488 U
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	--	--	--	--	--	0.712 U
4-Chloro-3-methylphenol		--	--	--	--	--	--	--	--	--	--	--	--	3.488 U
4-Chloroaniline		--	--	--	--	--	--	--	--	--	--	--	--	3.488 UJ
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	--	--	--	--	--	0.712 U
4-Methylphenol (p-Cresol)		**16.535**	**0.494 J**	**0.67 J**	**0.677 J**	**13.553**	**14.694**	**11.111**	**0.789 J**	**15.827**	**8.491**	**9.697**	**6.977**	**1.673**
4-Nitroaniline		--	--	--	--	--	--	--	--	--	--	--	--	3.488 U
4-Nitrophenol		--	--	--	--	--	--	--	--	--	--	--	--	3.488 U
Benzoic acid		**23.622**	**7.985**	**4.785 J**	**5.263 J**	**16.85**	**13.061**	**15.079**	**5.263 J**	**17.266**	**16.981**	**23.636**	**26.744**	**14.591**
Benzyl alcohol		**12.598**	**6.084**	**3.493**	**3.759**	**10.623**	**10.204**	**9.524**	**2.851**	**10.072**	**8.491**	**13.939**	**15.116**	**9.253 J**
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	--	--	--	--	--	0.712 U
bis(2-Chloroethyl)ether		--	--	--	--	--	--	--	--	--	--	--	--	0.712 U
bis(2-Ethylhexyl)phthalate	47	**3.937**	**17.871**	**4.163**	**8.271**	**3.187**	**2.98**	**2.937**	**17.105 J**	**6.403**	**6.604**	**5.939**	**4.651**	**16.726**
Butylbenzyl phthalate	4.9	**0.591 J**	0.76 UJ	**0.4641 J**	0.714 UJ	**0.44 J**	0.776 U	0.754 U	**0.702 J**	**0.6906 J**	**0.66 J**	**0.909 J**	**0.504 J**	**2.74 J**
Diethyl phthalate	61	0.2008 U	0.2928 U	0.3158 U	0.2519 U	0.1905 U	0.2082 U	0.2063 U	0.2939 U	0.3741 U	0.2406 U	0.3091 U	0.2132 U	**0.996**
Dimethyl phthalate	53	0.748 U	0.76 U	0.909 U	0.714 U	0.696 U	0.776 U	0.754 U	0.877 U	1.367 U	0.896 U	1.152 U	0.736 U	**0.925**
Di-n-butyl phthalate	220	0.748 U	0.76 U	**0.574 J**	0.714 U	0.696 U	**0.571 J**	0.754 U	0.877 U	1.367 U	0.896 U	1.152 U	0.736 U	**0.925**
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	--	--	--	--	--	**2.598 J**
Di-n-octyl phthalate	58	0.748 U	0.76 UJ	0.909 UJ	0.714 UJ	0.696 U	0.776 U	0.754 U	0.877 UJ	1.367 U	0.896 U	1.152 U	0.736 U	**1.246**
Hexachlorobenzene	0.38	0.03858 U	**0.1141**	0.0478 U	0.03684 U	0.0359 U	0.04 U	0.03889 U	0.04342 U	0.0705 U	0.04623 U	0.05879 U	0.03837 U	**0.534**
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.03858 U	0.03726 U	0.0478 U	0.03684 U	0.0359 U	0.04 U	0.03889 U	0.04342 U	0.0705 U	0.04623 U	0.05879 U	0.03837 U	**0.391**

Table 7-7d
Surface Sediment Results: SVOCs

		Location ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-03	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01_1312
		Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
		Sample ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-53	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01-0-10
		Sample Date	3/7/2011	3/8/2011	3/8/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/7/2011	12/17/2013
		Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N
		X	1268047.45	1268218.05	1268169.29	1268169.29	1268145.51	1268079.89	1268018.54	1267971.91	1268289.07	1268219.38	1268127.37	1268039.92	1268348.20
		Y	204251.47	204112.84	204300.63	204300.63	204406.68	204648.06	204759.26	204896.59	204317.51	204563.02	204817.33	205062.39	204088.52
	Screening Level														
Hexachlorocyclopentadiene		--	--	--	--	--	--	--	--	--	--	--	--	--	3.488 U
Hexachloroethane		0.748 U	0.76 U	0.909 U	0.714 U	0.696 U	0.776 U	0.754 U	0.877 U	1.367 U	0.896 U	1.152 U	0.736 U	0.712 U	
Isophorone		--	--	--	--	--	--	--	--	--	--	--	--	**0.498 J**	
Nitrobenzene		--	--	--	--	--	--	--	--	--	--	--	--	0.712 U	
n-Nitrosodi-n-propylamine		--	--	--	--	--	--	--	--	--	--	--	--	0.712 U	
n-Nitrosodiphenylamine	11	**0.3504**	0.1863 UJ	0.2297 UJ	0.1805 UJ	0.1758 U	0.1959 U	0.1905 U	0.2149 UJ	0.3453 U	0.2217 U	0.2848 U	0.186 U	0.1744 U	
Pentachlorophenol		0.551 U	0.494 U	0.622 U	0.489 U	0.476 U	0.98 UJ	0.675 U	0.789 U	0.935 U	0.566 U	0.727 U	0.504 U	**2.491**	
Phenol		**6.693**	**0.684 J**	**0.861 J**	**1.09**	**2.381**	**8.163**	**3.929**	**1.667**	**5.54**	**4.717**	**3.515**	**2.442**	**2.527 J**	
Semivolatile Organics (µg/kg)															
1,2,4-Trichlorobenzene		4.7 U	4.9 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.9 UJ	4.8 U	4.7 U	4.7 U	4.8 U	**11**	
1,2-Dichlorobenzene		--	--	--	--	--	--	--	--	--	--	--	--	**12**	
1,3-Dichlorobenzene		19 U	20 U	19 U	19 U	19 U	19 U	19 U	20 UJ	19 U	19 U	19 U	19 U	**11**	
1,4-Dichlorobenzene		--	--	--	--	--	--	--	**2.7 J**	--	--	--	--	**14**	
2,2'-Oxybis (1-chloropropane)		--	--	--	--	--	--	--	--	--	--	--	--	20 U	
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	--	--	--	--	--	**15 J**	
2,4,5-Trichlorophenol		--	--	--	--	--	--	--	--	--	--	--	--	**38 J**	
2,4,6-Trichlorophenol		--	--	--	--	--	--	--	--	--	--	--	--	**40 J**	
2,4-Dichlorophenol		--	--	--	--	--	--	--	--	--	--	--	--	98 U	
2,4-Dimethylphenol	29	19 U	20 UJ	19 UJ	19 UJ	19 U	19 U	19 U	20 UJ	19 U	19 U	19 U	19 U	**34**	
2,4-Dinitrophenol		--	--	--	--	--	--	--	--	--	--	--	--	200 U	
2,4-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--	--	--	98 U	
2,6-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--	--	--	98 U	
2-Chloronaphthalene		--	--	--	--	--	--	--	--	--	--	--	--	20 U	
2-Chlorophenol		--	--	--	--	--	--	--	--	--	--	--	--	20 U	
2-Methylphenol (o-Cresol)	63	19 U	20 U	19 U	19 U	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	**17**	
2-Nitroaniline		--	--	--	--	--	--	--	--	--	--	--	--	98 U	
2-Nitrophenol		--	--	--	--	--	--	--	--	--	--	--	--	20 U	
3,3'-Dichlorobenzidine		--	--	--	--	--	--	--	--	--	--	--	--	98 UJ	
3-Nitroaniline		--	--	--	--	--	--	--	--	--	--	--	--	98 U	
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	--	--	--	--	--	20 U	
4-Chloro-3-methylphenol		--	--	--	--	--	--	--	--	--	--	--	--	98 U	
4-Chloroaniline		--	--	--	--	--	--	--	--	--	--	--	--	98 UJ	
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	--	--	--	--	--	20 U	
4-Methylphenol (p-Cresol)	270	**420**	**13 J**	**14 J**	**18 J**	**370**	**360**	**280**	**18 J**	**220**	**180**	**160**	**180**	**47**	
4-Nitroaniline		--	--	--	--	--	--	--	--	--	--	--	--	98 U	
4-Nitrophenol		--	--	--	--	--	--	--	--	--	--	--	--	98 U	
Benzoic acid	650	**600**	**210**	**100 J**	**140 J**	**460**	**320**	**380**	**120 J**	**240**	**360**	**390**	**690**	**410**	
Benzyl alcohol	57	**320**	**160**	**73**	**100**	**290**	**250**	**240**	**65**	**140**	**180**	**230**	**390**	**260 J**	
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	--	--	--	--	--	20 U	
bis(2-Chloroethyl)ether		--	--	--	--	--	--	--	--	--	--	--	--	20 U	
bis(2-Ethylhexyl)phthalate		**100**	**470**	**87**	**220**	**87**	**73**	**74**	**390 J**	**89**	**140**	**98**	**120**	**470**	

Table 7-7d
Surface Sediment Results: SVOCs

	Location ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-03	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-53	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01-0-10
	Sample Date	3/7/2011	3/8/2011	3/8/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/7/2011	12/17/2013
	Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N
	X	1268047.45	1268218.05	1268169.29	1268169.29	1268145.51	1268079.89	1268018.54	1267971.91	1268289.07	1268219.38	1268127.37	1268039.92	1268348.20
	Y	204251.47	204112.84	204300.63	204300.63	204406.68	204648.06	204759.26	204896.59	204317.51	204563.02	204817.33	205062.39	204088.52
	Screening Level													
Butylbenzyl phthalate		**15 J**	20 UJ	**9.7 J**	19 UJ	**12 J**	19 U	19 U	**16 J**	**9.6 J**	**14 J**	**15 J**	**13 J**	**77 J**
Diethyl phthalate		5.1 U	7.7 U	6.6 U	6.7 U	5.2 U	5.1 U	5.2 U	6.7 U	5.2 U	5.1 U	5.1 U	5.5 U	**28**
Dimethyl phthalate		19 U	20 U	19 U	19 U	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	**26**
Di-n-butyl phthalate		19 U	20 U	**12 J**	19 U	19 U	**14 J**	19 U	20 U	19 U	19 U	19 U	19 U	**26**
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	--	--	--	--	--	**73 J**
Di-n-octyl phthalate		19 U	20 UJ	19 UJ	19 UJ	19 U	19 U	19 U	20 UJ	19 U	19 U	19 U	19 U	**35**
Hexachlorobenzene		--	--	--	--	--	--	--	--	--	--	--	--	**15**
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene		--	--	--	--	--	--	--	--	--	--	--	--	98 U
Hexachloroethane		19 U	20 U	19 U	19 U	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U
Isophorone		--	--	--	--	--	--	--	--	--	--	--	--	**14 J**
Nitrobenzene		--	--	--	--	--	--	--	--	--	--	--	--	20 U
n-Nitrosodi-n-propylamine		--	--	--	--	--	--	--	--	--	--	--	--	20 U
n-Nitrosodiphenylamine		**8.9**	4.9 UJ	4.8 UJ	4.8 UJ	4.8 U	4.8 U	4.8 U	4.9 UJ	4.8 U	4.7 U	4.7 U	4.8 U	4.9 U
Pentachlorophenol	360	14 U	13 U	13 U	13 U	13 U	24 UJ	17 U	18 U	13 U	12 U	12 U	13 U	**70**
Phenol	420	**170**	**18 J**	**18 J**	**29**	**65**	**200**	**99**	**38**	**77**	**100**	**58**	**63**	**71 J**

Table 7-7d
Surface Sediment Results: SVOCs

	Location ID	DSIP2-SS-02_1312	DSIP2-SS-03_1312	DSIP2-SS-04_1312	DSIP2-SS-04_1312	DSIP2-SS-05_1312	DSIP2-SS-06_1312	DSIP2-SS-07_1312	DSIP2-SS-08_1312	DSIP2-SS-09_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-02-0-10	DSIP2-SS-03-0-10	DSIP2-SS-04-0-10	DSIP2-SS-54-0-10	DSIP2-SS-05-0-10	DSIP2-SS-06-0-10	DSIP2-SS-07-0-10	DSIP2-SS-08-0-10	DSIP2-SS-09-0-10
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	FD	N	N	N	N	N
	X	1268378.77	1268354.38	1268312.28	1268312.28	1268267.50	1268219.24	1268163.93	1268133.42	1268061.44
	Y	204254.04	204330.89	204455.57	204455.57	204586.39	204713.69	204828.18	204930.87	205005.25
	Screening Level									
Semivolatile Organics (mg/kg-OC)										
1,2,4-Trichlorobenzene	0.81	0.1767 U	0.1949 U	0.4667 U	0.1974 U	0.2423 U	0.2487 U	0.3582 U	0.2 U	0.2127 U
1,2-Dichlorobenzene	2.3	0.0639 U	0.072 U	0.0952 U	0.0773 U	0.0928 U	0.0984 U	0.1493 U	0.075 UJ	0.086 U
1,3-Dichlorobenzene		0.0639 U	0.072 U	0.0952 U	0.0773 U	0.0928 U	0.0984 U	0.1493 U	0.075 UJ	0.086 U
1,4-Dichlorobenzene	3.1	**0.1241 J**	**0.1229 J**	0.0952 U	**0.133 J**	**0.1495 J**	**0.1606 J**	**0.3284 J**	**0.2**	**0.1765 J**
2,2'-Oxybis (1-chloropropane)		0.714 U	0.763 U	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	0.792 U	0.86 U
2,3,4,6-Tetrachlorophenol		0.714 U	0.763 U	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	0.792 U	0.86 U
2,4,5-Trichlorophenol		3.534 U	3.898 U	13.81 U	3.906 U	4.845 U	4.922 U	7.164 U	4 U	4.253 U
2,4,6-Trichlorophenol		3.534 U	3.898 U	13.81 U	3.906 U	4.845 U	4.922 U	7.164 U	4 U	4.253 U
2,4-Dichlorophenol		3.534 U	3.898 U	13.81 U	3.906 U	4.845 U	4.922 U	7.164 U	4 U	4.253 U
2,4-Dimethylphenol		0.902 U	0.975 U	3.476 U	0.987 U	1.237 U	1.244 U	1.791 U	1 U	1.086 U
2,4-Dinitrophenol		7.143 U	7.627 U	28.095 U	7.725 U	9.794 UJ	9.845 U	14.179 U	7.917 U	8.597 U
2,4-Dinitrotoluene		3.534 U	3.898 U	13.81 U	3.906 U	4.845 U	4.922 U	7.164 U	4 U	4.253 U
2,6-Dinitrotoluene		3.534 U	3.898 U	13.81 U	3.906 U	4.845 U	4.922 U	7.164 U	4 U	4.253 U
2-Chloronaphthalene		0.714 U	0.763 U	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	0.792 U	0.86 U
2-Chlorophenol		0.714 U	0.763 U	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	0.792 U	0.86 U
2-Methylphenol (o-Cresol)		**0.2105**	**0.1907 J**	**0.3619 J**	**0.1974**	**0.2526**	**0.2539**	**0.5299**	**0.275**	0.2127 U
2-Nitroaniline		3.534 U	3.898 U	13.81 U	3.906 U	4.845 U	4.922 U	7.164 U	4 U	4.253 U
2-Nitrophenol		0.714 U	0.763 U	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	0.792 U	0.86 U
3,3'-Dichlorobenzidine		3.534 UJ	3.898 UJ	13.81 UJ	3.906 UJ	**-- R**	4.922 UJ	7.164 UJ	4 UJ	4.253 UJ
3-Nitroaniline		3.534 U	3.898 U	13.81 U	3.906 U	**-- R**	4.922 U	7.164 U	4 U	4.253 U
4-Bromophenyl-phenyl ether		0.714 U	0.763 U	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	0.792 U	0.86 U
4-Chloro-3-methylphenol		3.534 U	3.898 U	13.81 U	3.906 U	4.845 U	4.922 U	7.164 U	4 U	4.253 U
4-Chloroaniline		3.534 UJ	3.898 UJ	13.81 UJ	3.906 UJ	**-- R**	4.922 UJ	7.164 UJ	4 UJ	4.253 UJ
4-Chlorophenyl phenyl ether		0.714 U	0.763 U	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	0.792 U	0.86 U
4-Methylphenol (p-Cresol)		**0.865**	**0.932**	**1.143**	**1.159**	**1.237**	**1.503**	**2.239**	**0.833**	**1.176**
4-Nitroaniline		3.534 U	3.898 U	13.81 U	3.906 U	4.845 UJ	4.922 U	7.164 U	4 U	4.253 U
4-Nitrophenol		3.534 U	3.898 U	13.81 U	3.906 U	4.845 U	4.922 U	7.164 U	4 U	4.253 U
Benzoic acid		**8.271**	**9.322**	**9.524 J**	**7.725**	**10.825**	**9.326 J**	**17.91**	**6.667 J**	**6.335 J**
Benzyl alcohol		**5.263 J**	**7.203 J**	**7.143 J**	**5.579 J**	**8.763 J**	**7.254 J**	**15.672 J**	**4.583 J**	**11.765 J**
bis(2-Chloroethoxy)methane		0.714 U	0.763 U	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	0.792 U	0.86 U
bis(2-Chloroethyl)ether		0.714 U	0.763 U	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	0.792 U	0.86 U
bis(2-Ethylhexyl)phthalate	47	**16.917**	**22.881**	**19.048**	**15.451**	**17.01**	**26.425**	**32.836**	**20**	**26.244**
Butylbenzyl phthalate	4.9	**1.429 J**	**1.78 J**	**2.667 J**	**1.288 J**	**1.598 J**	**1.606 J**	**2.015 J**	**3.583 J**	**1.629 J**
Diethyl phthalate	61	0.714 U	**0.763**	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	**1.583**	**1.357**
Dimethyl phthalate	53	**0.451**	**0.3941**	0.714 U	**0.2103**	**0.3196**	**0.3264**	**0.3657**	**0.458**	**0.2579**
Di-n-butyl phthalate	220	**0.639 J**	**1.186**	2.81 U	**1.03**	**1.34**	**1.503**	**2.463**	**0.917**	**1.267**
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		7.143 U	7.627 U	28.095 U	7.725 U	9.794 UJ	9.845 U	14.179 U	7.917 U	8.597 U
Di-n-octyl phthalate	58	**0.639 J**	0.763 U	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	**0.458 J**	0.86 U
Hexachlorobenzene	0.38	0.03609 UJ	0.1144 UJ	0.2048 UJ	0.0944 UJ	0.1546 UJ	0.05078 UJ	0.1791 UJ	0.0667 UJ	0.04389 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.03609 U	0.04153 U	0.04714 U	0.04249 U	0.04948 U	0.05078 U	0.07313 U	0.04083 U	0.04389 U

Table 7-7d
Surface Sediment Results: SVOCs

	Location ID	DSIP2-SS-02_1312	DSIP2-SS-03_1312	DSIP2-SS-04_1312	DSIP2-SS-04_1312	DSIP2-SS-05_1312	DSIP2-SS-06_1312	DSIP2-SS-07_1312	DSIP2-SS-08_1312	DSIP2-SS-09_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-02-0-10	DSIP2-SS-03-0-10	DSIP2-SS-04-0-10	DSIP2-SS-54-0-10	DSIP2-SS-05-0-10	DSIP2-SS-06-0-10	DSIP2-SS-07-0-10	DSIP2-SS-08-0-10	DSIP2-SS-09-0-10
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	FD	N	N	N	N	N
	X	1268378.77	1268354.38	1268312.28	1268312.28	1268267.50	1268219.24	1268163.93	1268133.42	1268061.44
	Y	204254.04	204330.89	204455.57	204455.57	204586.39	204713.69	204828.18	204930.87	205005.25
	Screening Level									
Hexachlorocyclopentadiene		3.534 U	3.898 U	13.81 U	3.906 U	**-- R**	4.922 U	7.164 U	4 U	4.253 U
Hexachloroethane		0.714 U	0.763 U	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	0.792 U	0.86 U
Isophorone		0.714 U	0.763 U	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	0.792 U	0.86 U
Nitrobenzene		0.714 U	0.763 U	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	0.792 U	0.86 U
n-Nitrosodi-n-propylamine		0.714 U	0.763 U	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	0.792 U	0.86 U
n-Nitrosodiphenylamine	11	0.1767 U	0.1949 U	0.714 U	0.1974 U	0.2423 U	0.2487 U	0.3582 U	0.2 U	0.2127 U
Pentachlorophenol		0.714 U	0.763 U	2.81 U	0.773 U	0.979 U	0.984 U	1.418 U	**5**	0.86 U
Phenol		**2.03 J**	**1.186**	**1.524 J**	**1.202**	**1.443**	**1.503**	**3.657 J**	**1**	**1.357**
Semivolatile Organics (µg/kg)										
1,2,4-Trichlorobenzene		4.7 U	4.6 U	--	4.6 U	4.7 U	4.8 U	4.8 U	4.8 U	4.7 U
1,2-Dichlorobenzene		--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 UJ	1.9 U
1,4-Dichlorobenzene		**3.3 J**	**2.9 J**	--	**3.1 J**	**2.9 J**	**3.1 J**	**4.4 J**	**4.8**	**3.9 J**
2,2'-Oxybis (1-chloropropane)		19 U	18 U	59 U	18 U	19 U	19 U	19 U	19 U	19 U
2,3,4,6-Tetrachlorophenol		19 U	18 U	59 U	18 U	19 U	19 U	19 U	19 U	19 U
2,4,5-Trichlorophenol		94 U	92 U	290 U	91 U	94 U	95 U	96 U	96 U	94 U
2,4,6-Trichlorophenol		94 U	92 U	290 U	91 U	94 U	95 U	96 U	96 U	94 U
2,4-Dichlorophenol		94 U	92 U	290 U	91 U	94 U	95 U	96 U	96 U	94 U
2,4-Dimethylphenol	29	24 U	23 U	73 U	23 U	24 U	24 U	24 U	24 U	24 U
2,4-Dinitrophenol		190 U	180 U	590 U	180 U	190 UJ	190 U	190 U	190 U	190 U
2,4-Dinitrotoluene		94 U	92 U	290 U	91 U	94 U	95 U	96 U	96 U	94 U
2,6-Dinitrotoluene		94 U	92 U	290 U	91 U	94 U	95 U	96 U	96 U	94 U
2-Chloronaphthalene		19 U	18 U	59 U	18 U	19 U	19 U	19 U	19 U	19 U
2-Chlorophenol		19 U	18 U	59 U	18 U	19 U	19 U	19 U	19 U	19 U
2-Methylphenol (o-Cresol)	63	**5.6**	**4.5 J**	**7.6 J**	**4.6**	**4.9**	**4.9**	**7.1**	**6.6**	4.7 U
2-Nitroaniline		94 U	92 U	290 U	91 U	94 U	95 U	96 U	96 U	94 U
2-Nitrophenol		19 U	18 U	59 U	18 U	19 U	19 U	19 U	19 U	19 U
3,3'-Dichlorobenzidine		94 UJ	92 UJ	290 UJ	91 UJ	**-- R**	95 UJ	96 UJ	96 UJ	94 UJ
3-Nitroaniline		94 U	92 U	290 U	91 U	**-- R**	95 U	96 U	96 U	94 U
4-Bromophenyl-phenyl ether		19 U	18 U	59 U	18 U	19 U	19 U	19 U	19 U	19 U
4-Chloro-3-methylphenol		94 U	92 U	290 U	91 U	94 U	95 U	96 U	96 U	94 U
4-Chloroaniline		94 UJ	92 UJ	290 UJ	91 UJ	**-- R**	95 UJ	96 UJ	96 UJ	94 UJ
4-Chlorophenyl phenyl ether		19 U	18 U	59 U	18 U	19 U	19 U	19 U	19 U	19 U
4-Methylphenol (p-Cresol)	270	**23**	**22**	**24**	**27**	**24**	**29**	**30**	**20**	**26**
4-Nitroaniline		94 U	92 U	290 U	91 U	94 UJ	95 U	96 U	96 U	94 U
4-Nitrophenol		94 U	92 U	290 U	91 U	94 U	95 U	96 U	96 U	94 U
Benzoic acid	650	**220**	**220**	**200 J**	**180**	**210**	**180 J**	**240**	**160 J**	**140 J**
Benzyl alcohol	57	**140 J**	**170 J**	**150 J**	**130 J**	**170 J**	**140 J**	**210 J**	**110 J**	**260 J**
bis(2-Chloroethoxy)methane		19 U	18 U	59 U	18 U	19 U	19 U	19 U	19 U	19 U
bis(2-Chloroethyl)ether		19 U	18 U	59 U	18 U	19 U	19 U	19 U	19 U	19 U
bis(2-Ethylhexyl)phthalate		**450**	**540**	**400**	**360**	**330**	**510**	**440**	**480**	**580**

Table 7-7d
Surface Sediment Results: SVOCs

	Location ID	DSIP2-SS-02_1312	DSIP2-SS-03_1312	DSIP2-SS-04_1312	DSIP2-SS-04_1312	DSIP2-SS-05_1312	DSIP2-SS-06_1312	DSIP2-SS-07_1312	DSIP2-SS-08_1312	DSIP2-SS-09_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-02-0-10	DSIP2-SS-03-0-10	DSIP2-SS-04-0-10	DSIP2-SS-54-0-10	DSIP2-SS-05-0-10	DSIP2-SS-06-0-10	DSIP2-SS-07-0-10	DSIP2-SS-08-0-10	DSIP2-SS-09-0-10
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	FD	N	N	N	N	N
	X	1268378.77	1268354.38	1268312.28	1268312.28	1268267.50	1268219.24	1268163.93	1268133.42	1268061.44
	Y	204254.04	204330.89	204455.57	204455.57	204586.39	204713.69	204828.18	204930.87	205005.25
	Screening Level									
Butylbenzyl phthalate		**38 J**	**42 J**	**56 J**	**30 J**	**31 J**	**31 J**	**27 J**	**86 J**	**36 J**
Diethyl phthalate		19 U	**18**	59 U	18 U	19 U	19 U	19 U	**38**	**30**
Dimethyl phthalate		**12**	**9.3**	15 U	**4.9**	**6.2**	**6.3**	**4.9**	**11**	**5.7**
Di-n-butyl phthalate		**17 J**	**28**	59 U	**24**	**26**	**29**	**33**	**22**	**28**
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		190 U	180 U	590 U	180 U	190 UJ	190 U	190 U	190 U	190 U
Di-n-octyl phthalate		**17 J**	18 U	59 U	18 U	19 U	19 U	19 U	**11 J**	19 U
Hexachlorobenzene		--	--	--	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene		94 U	92 U	290 U	91 U	**-- R**	95 U	96 U	96 U	94 U
Hexachloroethane		19 U	18 U	59 U	18 U	19 U	19 U	19 U	19 U	19 U
Isophorone		19 U	18 U	59 U	18 U	19 U	19 U	19 U	19 U	19 U
Nitrobenzene		19 U	18 U	59 U	18 U	19 U	19 U	19 U	19 U	19 U
n-Nitrosodi-n-propylamine		19 U	18 U	59 U	18 U	19 U	19 U	19 U	19 U	19 U
n-Nitrosodiphenylamine		4.7 U	4.6 U	15 U	4.6 U	4.7 U	4.8 U	4.8 U	4.8 U	4.7 U
Pentachlorophenol	360	19 U	18 U	59 U	18 U	19 U	19 U	19 U	**120**	19 U
Phenol	420	**54 J**	**28**	**32 J**	**28**	**28**	**29**	**49 J**	**24**	**30**

Table 7-7d
Surface Sediment Results: SVOCs

	Location ID	DSIP2-SS-10_1312	DSIP2-SS-11_1312	DSIP2-SS-12_1312	DSIP2-SS-14_1312	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-04	DSIMR-04	DSIMR-05
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-10-0-10	DSIP2-SS-11-0-10	DSIP2-SS-12-0-10	DSIP2-SS-14-0-10	DSIMR-SS-01	DSIMR-SS-02	DSIMR-SS-03	DSIMR-SS-04	DSIMR-SS-54	DSIMR-SS-05
	Sample Date	12/18/2013	12/18/2013	12/18/2013	12/18/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N
	X	1268035.46	1267989.00	1268085.53	1268107.09	1268066.22	1268066.94	1268069.67	1268030.81	1268030.81	1268029.81
	Y	205118.19	205014.02	204799.56	204301.38	204393.09	204421.57	204454.65	204557.81	204557.81	204601.34
	Screening Level										
Semivolatile Organics (mg/kg-OC)											
1,2,4-Trichlorobenzene	0.81	0.2034 U	0.1926 U	0.1951 U	0.1577 U	1.884 U	0.3333 U	0.1521 U	0.2747 U	0.3133 U	0.1952 U
1,2-Dichlorobenzene	2.3	0.072 U	**0.123 J**	0.0772 U	0.0738 U	1.884 U	0.3333 U	0.1521 U	0.2747 U	0.3133 U	**0.1315 J**
1,3-Dichlorobenzene		0.072 U	0.0697 U	0.0772 U	0.0738 U	1.884 U	0.3333 U	0.1521 U	0.2747 U	0.3133 U	0.1952 U
1,4-Dichlorobenzene	3.1	**0.1695 J**	**0.1844 J**	**0.1829 J**	**0.1409 J**	1.884 U	0.3333 U	0.1521 U	0.2747 U	0.3133 U	0.1952 U
2,2'-Oxybis (1-chloropropane)		0.805 U	0.779 U	0.772 U	0.638 U	7.806 U	1.333 U	0.615 U	1.099 U	1.267 U	0.797 U
2,3,4,6-Tetrachlorophenol		0.805 U	0.779 U	0.772 U	0.638 U	**6.191 J**	1.333 U	0.615 U	1.099 U	1.267 U	0.797 U
2,4,5-Trichlorophenol		4.025 U	3.811 U	3.902 U	3.188 U	39.031 U	6.667 U	3.074 U	5.44 U	6.2 U	3.904 U
2,4,6-Trichlorophenol		4.025 U	3.811 U	3.902 U	3.188 U	39.031 U	6.667 U	3.074 U	5.44 U	6.2 U	3.904 U
2,4-Dichlorophenol		4.025 U	3.811 U	3.902 U	3.188 U	39.031 U	6.667 U	3.074 U	5.44 U	6.2 U	3.904 U
2,4-Dimethylphenol		1.017 U	0.943 U	0.976 U	0.805 U	9.69 UJ	1.667 UJ	0.777 UJ	1.374 UJ	1.533 UJ	0.956 UJ
2,4-Dinitrophenol		8.051 U	7.787 U	7.724 U	6.376 U	78.062 UJ	13.333 U	6.149 U	10.989 U	12.667 U	7.968 U
2,4-Dinitrotoluene		4.025 U	3.811 U	3.902 U	3.188 U	39.031 U	6.667 U	3.074 U	5.44 U	6.2 U	3.904 U
2,6-Dinitrotoluene		4.025 U	3.811 U	3.902 U	3.188 U	39.031 U	6.667 U	3.074 U	5.44 U	6.2 U	3.904 U
2-Chloronaphthalene		0.805 U	0.779 U	0.772 U	0.638 U	7.806 U	1.333 U	0.615 U	1.099 U	1.267 U	0.797 U
2-Chlorophenol		0.805 U	0.779 U	0.772 U	0.638 U	7.806 U	1.333 U	0.615 U	1.099 U	1.267 U	0.797 U
2-Methylphenol (o-Cresol)		**0.3475**	**0.291**	**0.2642**	**0.3289**	1.884 UJ	0.3333 U	0.1521 U	**0.2033 J**	**0.667 J**	**0.1793 J**
2-Nitroaniline		4.025 U	3.811 U	3.902 U	3.188 U	39.031 U	6.667 U	3.074 U	5.44 U	6.2 U	3.904 U
2-Nitrophenol		0.805 U	0.779 U	0.772 U	0.638 U	7.806 U	1.333 U	0.615 U	1.099 U	1.267 U	0.797 U
3,3'-Dichlorobenzidine		4.025 UJ	3.811 UJ	3.902 UJ	3.188 UJ	39.031 UJ	6.667 UJ	3.074 UJ	5.44 UJ	6.2 UJ	3.904 UJ
3-Nitroaniline		4.025 U	3.811 U	3.902 U	3.188 U	39.031 UJ	6.667 U	3.074 U	5.44 U	6.2 U	3.904 U
4-Bromophenyl-phenyl ether		0.805 U	0.779 U	0.772 U	0.638 U	7.806 U	1.333 U	0.615 U	1.099 U	1.267 U	0.797 U
4-Chloro-3-methylphenol		4.025 U	3.811 U	3.902 U	3.188 U	39.031 U	6.667 U	3.074 U	5.44 U	6.2 U	3.904 U
4-Chloroaniline		4.025 UJ	3.811 UJ	3.902 UJ	3.188 UJ	39.031 UJ	6.667 UJ	3.074 UJ	5.44 UJ	6.2 UJ	3.904 UJ
4-Chlorophenyl phenyl ether		0.805 U	0.779 U	0.772 U	0.638 U	7.806 U	1.333 U	0.615 U	1.099 U	1.267 U	0.797 U
4-Methylphenol (p-Cresol)		**1.441**	**1.721**	**0.976**	**1.544**	**4.711**	**0.933**	**1.586**	**1.484**	**1.867**	**0.797**
4-Nitroaniline		4.025 U	3.811 U	3.902 U	3.188 U	39.031 U	6.667 U	3.074 U	5.44 U	6.2 U	3.904 U
4-Nitrophenol		4.025 U	3.811 U	3.902 U	3.188 U	39.031 U	6.667 U	3.074 U	5.44 U	6.2 U	3.904 U
Benzoic acid		**11.017**	**4.918 J**	**6.098 J**	**9.732**	**61.911 J**	**9.333 J**	**14.563**	**13.736**	**12 J**	**5.578 J**
Benzyl alcohol		**9.746 J**	**2.787 J**	**5.285 J**	**8.054 J**	7.806 UJ	1.333 U	**12.945**	**2.692**	**2.267**	**1.873**
bis(2-Chloroethoxy)methane		0.805 U	0.779 U	0.772 U	0.638 U	7.806 U	1.333 U	0.615 U	1.099 U	1.267 U	0.797 U
bis(2-Chloroethyl)ether		0.805 U	0.779 U	0.772 U	0.638 U	7.806 U	1.333 U	0.615 U	1.099 U	1.267 U	0.797 U
bis(2-Ethylhexyl)phthalate	47	**14.407**	**27.049**	**17.48**	**14.765**	**47.106**	**29.333**	**21.359**	**98.901**	**29.333**	**13.546**
Butylbenzyl phthalate	4.9	**4.237 J**	**1.885 J**	**2.033 J**	**2.483 J**	1.884 U	**0.733 J**	**0.712 J**	**1.209 J**	**1.533 J**	**0.717 J**
Diethyl phthalate	61	0.805 U	**0.82**	**2.398**	**2.617**	7.806 U	1.333 U	0.939 U	1.648 U	1.267 U	0.876 U
Dimethyl phthalate	53	**0.2966**	**0.2623**	**0.3293**	**0.369**	1.884 U	0.3333 U	**0.0906 J**	**0.879 J**	**0.667 J**	**0.2789**
Di-n-butyl phthalate	220	0.805 U	**1.475**	**3.78**	**1.107**	7.806 U	**8**	**38.835**	**4.67**	**11.333**	**3.386**
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		8.051 U	7.787 U	7.724 U	6.376 U	78.062 U	13.333 U	6.149 U	10.989 U	12.667 U	7.968 U
Di-n-octyl phthalate	58	0.805 U	0.779 U	0.772 U	0.638 U	7.806 U	1.333 U	0.615 U	1.099 U	1.267 U	0.797 U
Hexachlorobenzene	0.38	0.1229 UJ	0.0984 UJ	0.04024 UJ	0.03289 UJ	0.6595 U	0.3333 U	0.1521 U	0.2637 U	0.3133 U	0.1912 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.04153 U	0.03934 U	0.04024 U	0.03289 U	1.884 U	0.3333 U	0.1521 U	0.2747 U	0.3133 U	0.1952 U

Table 7-7d
Surface Sediment Results: SVOCs

	Location ID	DSIP2-SS-10_1312	DSIP2-SS-11_1312	DSIP2-SS-12_1312	DSIP2-SS-14_1312	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-04	DSIMR-04	DSIMR-05
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-10-0-10	DSIP2-SS-11-0-10	DSIP2-SS-12-0-10	DSIP2-SS-14-0-10	DSIMR-SS-01	DSIMR-SS-02	DSIMR-SS-03	DSIMR-SS-04	DSIMR-SS-54	DSIMR-SS-05
	Sample Date	12/18/2013	12/18/2013	12/18/2013	12/18/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N
	X	1268035.46	1267989.00	1268085.53	1268107.09	1268066.22	1268066.94	1268069.67	1268030.81	1268030.81	1268029.81
	Y	205118.19	205014.02	204799.56	204301.38	204393.09	204421.57	204454.65	204557.81	204557.81	204601.34
	Screening Level										
Hexachlorocyclopentadiene		4.025 U	3.811 U	3.902 U	3.188 U	39.031 UJ	6.667 UJ	3.074 UJ	5.44 UJ	6.2 UJ	3.904 UJ
Hexachloroethane		0.805 U	0.779 U	0.772 U	0.638 U	7.806 U	1.333 U	0.615 U	1.099 U	1.267 U	0.797 U
Isophorone		0.805 U	0.779 U	0.772 U	0.638 U	7.806 U	1.333 U	0.615 U	1.099 U	1.267 U	0.797 U
Nitrobenzene		0.805 U	0.779 U	0.772 U	0.638 U	7.806 U	1.333 U	0.615 U	1.099 U	1.267 U	0.797 U
n-Nitrosodi-n-propylamine		0.805 U	0.779 U	0.772 U	0.638 U	7.806 U	1.333 U	0.615 U	1.099 U	1.267 U	0.797 U
n-Nitrosodiphenylamine	11	0.2034 U	0.1926 U	0.1951 U	0.1577 U	**3.365**	0.3333 U	0.1521 U	0.2747 U	0.3133 U	0.1952 U
Pentachlorophenol		**0.593 J**	**1.189**	0.772 U	0.638 U	**161.507 J**	**5.6**	**2.136 J**	**1.758**	**3.533**	**1.076**
Phenol		**3.305 J**	**2.787 J**	**2.114 J**	**3.121 J**	**20.188 J**	2.6 U	**4.207**	**17.033**	**16**	**2.629**
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene		4.8 U	4.7 U	4.8 U	4.7 U	14 U	5 U	4.7 U	5 U	4.7 U	4.9 U
1,2-Dichlorobenzene		--	**3 J**	--	--	14 U	5 U	4.7 U	5 U	4.7 U	**3.3 J**
1,3-Dichlorobenzene		1.7 U	1.7 U	1.9 U	2.2 U	14 U	5 U	4.7 U	5 U	4.7 U	4.9 U
1,4-Dichlorobenzene		**4 J**	**4.5 J**	**4.5 J**	**4.2 J**	14 U	5 U	4.7 U	5 U	4.7 U	4.9 U
2,2'-Oxybis (1-chloropropane)		19 U	19 U	19 U	19 U	58 U	20 U	19 U	20 U	19 U	20 U
2,3,4,6-Tetrachlorophenol		19 U	19 U	19 U	19 U	**46 J**	20 U	19 U	20 U	19 U	20 U
2,4,5-Trichlorophenol		95 U	93 U	96 U	95 U	290 U	100 U	95 U	99 U	93 U	98 U
2,4,6-Trichlorophenol		95 U	93 U	96 U	95 U	290 U	100 U	95 U	99 U	93 U	98 U
2,4-Dichlorophenol		95 U	93 U	96 U	95 U	290 U	100 U	95 U	99 U	93 U	98 U
2,4-Dimethylphenol	29	24 U	23 U	24 U	24 U	72 UJ	25 UJ	24 UJ	25 UJ	23 UJ	24 UJ
2,4-Dinitrophenol		190 U	190 U	190 U	190 U	580 UJ	200 U	190 U	200 U	190 U	200 U
2,4-Dinitrotoluene		95 U	93 U	96 U	95 U	290 U	100 U	95 U	99 U	93 U	98 U
2,6-Dinitrotoluene		95 U	93 U	96 U	95 U	290 U	100 U	95 U	99 U	93 U	98 U
2-Chloronaphthalene		19 U	19 U	19 U	19 U	58 U	20 U	19 U	20 U	19 U	20 U
2-Chlorophenol		19 U	19 U	19 U	19 U	58 U	20 U	19 U	20 U	19 U	20 U
2-Methylphenol (o-Cresol)	63	**8.2**	**7.1**	**6.5**	**9.8**	14 UJ	5 U	4.7 U	**3.7 J**	**10 J**	**4.5 J**
2-Nitroaniline		95 U	93 U	96 U	95 U	290 U	100 U	95 U	99 U	93 U	98 U
2-Nitrophenol		19 U	19 U	19 U	19 U	58 U	20 U	19 U	20 U	19 U	20 U
3,3'-Dichlorobenzidine		95 UJ	93 UJ	96 UJ	95 UJ	290 UJ	100 UJ	95 UJ	99 UJ	93 UJ	98 UJ
3-Nitroaniline		95 U	93 U	96 U	95 U	290 UJ	100 U	95 U	99 U	93 U	98 U
4-Bromophenyl-phenyl ether		19 U	19 U	19 U	19 U	58 U	20 U	19 U	20 U	19 U	20 U
4-Chloro-3-methylphenol		95 U	93 U	96 U	95 U	290 U	100 U	95 U	99 U	93 U	98 U
4-Chloroaniline		95 UJ	93 UJ	96 UJ	95 UJ	290 UJ	100 UJ	95 UJ	99 UJ	93 UJ	98 UJ
4-Chlorophenyl phenyl ether		19 U	19 U	19 U	19 U	58 U	20 U	19 U	20 U	19 U	20 U
4-Methylphenol (p-Cresol)	270	**34**	**42**	**24**	**46**	**35**	**14**	**49**	**27**	**28**	**20**
4-Nitroaniline		95 U	93 U	96 U	95 U	290 U	100 U	95 U	99 U	93 U	98 U
4-Nitrophenol		95 U	93 U	96 U	95 U	290 U	100 U	95 U	99 U	93 U	98 U
Benzoic acid	650	**260**	**120 J**	**150 J**	**290**	**460 J**	**140 J**	**450**	**250**	**180 J**	**140 J**
Benzyl alcohol	57	**230 J**	**68 J**	**130 J**	**240 J**	58 UJ	20 U	**400**	**49**	**34**	**47**
bis(2-Chloroethoxy)methane		19 U	19 U	19 U	19 U	58 U	20 U	19 U	20 U	19 U	20 U
bis(2-Chloroethyl)ether		19 U	19 U	19 U	19 U	58 U	20 U	19 U	20 U	19 U	20 U
bis(2-Ethylhexyl)phthalate		**340**	**660**	**430**	**440**	**350**	**440**	**660**	**1800**	**440**	**340**

Table 7-7d
Surface Sediment Results: SVOCs

	Location ID	DSIP2-SS-10_1312	DSIP2-SS-11_1312	DSIP2-SS-12_1312	DSIP2-SS-14_1312	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-04	DSIMR-04	DSIMR-05
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-10-0-10	DSIP2-SS-11-0-10	DSIP2-SS-12-0-10	DSIP2-SS-14-0-10	DSIMR-SS-01	DSIMR-SS-02	DSIMR-SS-03	DSIMR-SS-04	DSIMR-SS-54	DSIMR-SS-05
	Sample Date	12/18/2013	12/18/2013	12/18/2013	12/18/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N
	X	1268035.46	1267989.00	1268085.53	1268107.09	1268066.22	1268066.94	1268069.67	1268030.81	1268030.81	1268029.81
	Y	205118.19	205014.02	204799.56	204301.38	204393.09	204421.57	204454.65	204557.81	204557.81	204601.34
	Screening Level										
Butylbenzyl phthalate		**100 J**	**46 J**	**50 J**	**74 J**	14 U	**11 J**	**22 J**	**22 J**	**23 J**	**18 J**
Diethyl phthalate		19 U	**20**	**59**	**78**	58 U	20 U	29 U	30 U	19 U	22 U
Dimethyl phthalate		**7**	**6.4**	**8.1**	**11**	14 U	5 U	**2.8 J**	**16 J**	**10 J**	**7**
Di-n-butyl phthalate		19 U	**36**	**93**	**33**	58 U	**120**	**1200**	**85**	**170**	**85**
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		190 U	190 U	190 U	190 U	580 U	200 U	190 U	200 U	190 U	200 U
Di-n-octyl phthalate		19 U	19 U	19 U	19 U	58 U	20 U	19 U	20 U	19 U	20 U
Hexachlorobenzene		--	--	--	--	--	5 U	4.7 U	--	4.7 U	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene		95 U	93 U	96 U	95 U	290 UJ	100 UJ	95 UJ	99 UJ	93 UJ	98 UJ
Hexachloroethane		19 U	19 U	19 U	19 U	58 U	20 U	19 U	20 U	19 U	20 U
Isophorone		19 U	19 U	19 U	19 U	58 U	20 U	19 U	20 U	19 U	20 U
Nitrobenzene		19 U	19 U	19 U	19 U	58 U	20 U	19 U	20 U	19 U	20 U
n-Nitrosodi-n-propylamine		19 U	19 U	19 U	19 U	58 U	20 U	19 U	20 U	19 U	20 U
n-Nitrosodiphenylamine		4.8 U	4.7 U	4.8 U	4.7 U	**25**	5 U	4.7 U	5 U	4.7 U	4.9 U
Pentachlorophenol	360	**14 J**	**29**	19 U	19 U	**1200 J**	**84**	**66 J**	**32**	**53**	**27**
Phenol	420	**78 J**	**68 J**	**52 J**	**93 J**	**150 J**	39 U	**130**	**310**	**240**	**66**

Table 7-7d
Surface Sediment Results: SVOCs

Notes:
Detected concentration is greater than the sediment screening level
Non-detected concentration is above the sediment screening level
Bold = Detected result
-- = not analyzed
µg/kg = micrograms per kilogram
cm = centimeter
FD = field duplicate
J = estimated value
mg/kg-OC = milligrams per kilogram organic carbon normalized
N = normal sample
R = rejected
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit

Table 7-7e
Surface Sediment Results: VOCs

	Location ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-03	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-53	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01-0-10
	Sample Date	3/7/2011	3/8/2011	3/8/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/7/2011	12/17/2013
	Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N
	X	1268047.45	1268218.05	1268169.29	1268169.29	1268145.51	1268079.89	1268018.54	1267971.91	1268289.07	1268219.38	1268127.37	1268039.92	1268348.20
	Y	204251.47	204112.84	204300.63	204300.63	204406.68	204648.06	204759.26	204896.59	204317.51	204563.02	204817.33	205062.39	204088.52
	Screening Level													
Volatile Organics (µg/kg)														
1,1,1,2-Tetrachloroethane		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
1,1,1-Trichloroethane		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
1,1,2,2-Tetrachloroethane		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		--	--	--	--	--	--	--	--	--	--	--	--	4.7 U
1,1,2-Trichloroethane		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
1,1-Dichloroethane		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
1,1-Dichloroethene		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
1,1-Dichloropropene		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
1,2,3-Trichlorobenzene		--	--	--	--	--	--	--	--	--	--	--	--	12 U
1,2,3-Trichloropropane		--	--	--	--	--	--	--	--	--	--	--	--	4.7 U
1,2,4-Trichlorobenzene		--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
1,2-Dibromo-3-chloropropane		--	--	--	--	--	--	--	--	--	--	--	--	12 U
1,2-Dichlorobenzene		1.8 U	1.8 U	1.9 U	1.7 UJ	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	--
1,2-Dichloroethane		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
1,2-Dichloroethene, cis-		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
1,2-Dichloroethene, trans-		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
1,2-Dichloropropane		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
1,3,5-Trimethylbenzene (Mesitylene)		1.8 U	1.8 U	1.9 U	1.7 UJ	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
1,3-Dichloropropane		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
1,3-Dichloropropene, cis-		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
1,3-Dichloropropene, trans-		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
1,4-Dichloro-2-butene, trans-		--	--	--	--	--	--	--	--	--	--	--	--	12 U
1,4-Dichlorobenzene		1.8 U	1.8 U	1.9 U	1.7 UJ	1.8 U	1.7 U	1.8 U	--	1.7 U	1.6 U	1.7 U	1.9 U	--
2,2-Dichloropropane		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
2-Chloroethylvinyl ether		--	--	--	--	--	--	--	--	--	--	--	--	12 U
2-Chlorotoluene		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
2-Hexanone (Methyl butyl ketone)		--	--	--	--	--	--	--	--	--	--	--	--	12 U
4-Chlorotoluene		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		--	--	--	--	--	--	--	--	--	--	--	--	12 U
Acetone		**79**	**76**	**80**	**51 J**	**57**	**43**	**80**	**68**	**58**	**80**	**65**	**140**	**53 J**
Acrolein		--	--	--	--	--	--	--	--	--	--	--	--	120 U
Acrylonitrile		--	--	--	--	--	--	--	--	--	--	--	--	12 U
Benzene		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
Bromobenzene		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Bromochloromethane		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Bromodichloromethane		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Bromoform (Tribromomethane)		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Bromomethane (Methyl bromide)		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Carbon disulfide		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U

Table 7-7e
Surface Sediment Results: VOCs

	Location ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-03	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-53	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01-0-10
	Sample Date	3/7/2011	3/8/2011	3/8/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/7/2011	12/17/2013
	Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N
	X	1268047.45	1268218.05	1268169.29	1268169.29	1268145.51	1268079.89	1268018.54	1267971.91	1268289.07	1268219.38	1268127.37	1268039.92	1268348.20
	Y	204251.47	204112.84	204300.63	204300.63	204406.68	204648.06	204759.26	204896.59	204317.51	204563.02	204817.33	205062.39	204088.52
	Screening Level													
Carbon tetrachloride (Tetrachloromethane)		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
Chlorobenzene		1.8 U	1.8 U	1.9 U	1.7 UJ	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
Chloroethane		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
Chloroform		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
Chloromethane		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
Cymene, p- (4-Isopropyltoluene)		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Dibromochloromethane		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Dibromomethane		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Dichlorodifluoromethane		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Dichloromethane (Methylene chloride)		3.6 U	3.6 U	3.8 U	3.4 U	3.5 U	3.4 U	3.6 U	3.4 U	3.5 U	3.2 U	3.4 U	3.7 U	4.7 U
Ethyl bromide (Bromoethane)		--	--	--	--	--	--	--	--	--	--	--	--	4.7 U
Ethylbenzene		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
Ethylene dibromide (1,2-Dibromoethane)		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	--	--	--	--	--	--	--	--	--	**11**
Isopropylbenzene (Cumene)		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
m,p-Xylene		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
Methyl ethyl ketone (2-Butanone)		--	--	--	--	--	--	--	--	--	--	--	--	**14**
Methyl iodide (Iodomethane)		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Methyl tert-butyl ether (MTBE)		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
n-Butylbenzene		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
n-Propylbenzene		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
o-Xylene		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	**3.3 J**
sec-Butylbenzene		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Styrene		1.8 U	1.8 U	1.9 U	1.7 UJ	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
tert-Butylbenzene		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Tetrachloroethene (PCE)		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
Toluene		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	**4.8**
Trichloroethene (TCE)		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U
Trichlorofluoromethane (Fluorotrichloromethane)		--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Vinyl acetate		--	--	--	--	--	--	--	--	--	--	--	--	12 UJ
Vinyl chloride		1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U	1.7 U	1.9 U	2.4 U

Table 7-7e
Surface Sediment Results: VOCs

	Location ID	DSIP2-SS-02_1312	DSIP2-SS-03_1312	DSIP2-SS-04_1312	DSIP2-SS-04_1312	DSIP2-SS-05_1312	DSIP2-SS-06_1312	DSIP2-SS-07_1312	DSIP2-SS-08_1312	DSIP2-SS-09_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-02-0-10	DSIP2-SS-03-0-10	DSIP2-SS-04-0-10	DSIP2-SS-54-0-10	DSIP2-SS-05-0-10	DSIP2-SS-06-0-10	DSIP2-SS-07-0-10	DSIP2-SS-08-0-10	DSIP2-SS-09-0-10
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	FD	N	N	N	N	N
	X	1268378.77	1268354.38	1268312.28	1268312.28	1268267.50	1268219.24	1268163.93	1268133.42	1268061.44
	Y	204254.04	204330.89	204455.57	204455.57	204586.39	204713.69	204828.18	204930.87	205005.25
	Screening Level									
Volatile Organics (µg/kg)										
1,1,1,2-Tetrachloroethane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 UJ	1.9 U
1,1,1-Trichloroethane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
1,1,2,2-Tetrachloroethane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		3.4 U	3.3 U	3.9 U	3.6 U	3.6 U	3.7 U	3.9 U	3.7 U	3.7 U
1,1,2-Trichloroethane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
1,1-Dichloroethane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
1,1-Dichloroethene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
1,1-Dichloropropene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
1,2,3-Trichlorobenzene		8.4 U	8.3 U	9.8 U	9.1 U	9 U	9.3 U	9.8 U	9.2 UJ	9.4 U
1,2,3-Trichloropropane		3.4 U	3.3 U	3.9 U	3.6 U	3.6 U	3.7 U	3.9 U	3.7 U	3.7 U
1,2,4-Trichlorobenzene		--	--	9.8 U	--	--	--	--	--	--
1,2,4-Trimethylbenzene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
1,2-Dibromo-3-chloropropane		8.4 U	8.3 U	9.8 U	9.1 U	9 U	9.3 U	9.8 U	9.2 UJ	9.4 U
1,2-Dichlorobenzene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 UJ	1.9 U
1,2-Dichloroethane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
1,2-Dichloroethene, cis-		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
1,2-Dichloroethene, trans-		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
1,2-Dichloropropane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
1,3,5-Trimethylbenzene (Mesitylene)		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
1,3-Dichloropropane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
1,3-Dichloropropene, cis-		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 UJ	1.9 U
1,3-Dichloropropene, trans-		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 UJ	1.9 U
1,4-Dichloro-2-butene, trans-		8.4 U	8.3 U	9.8 U	9.1 U	9 U	9.3 U	9.8 U	**-- R**	9.4 U
1,4-Dichlorobenzene		--	--	2 U	--	--	--	--	--	--
2,2-Dichloropropane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
2-Chloroethylvinyl ether		8.4 U	8.3 U	9.8 U	9.1 U	9 U	9.3 U	9.8 U	9.2 UJ	9.4 U
2-Chlorotoluene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
2-Hexanone (Methyl butyl ketone)		8.4 U	8.3 U	9.8 U	9.1 U	9 U	9.3 U	9.8 U	9.2 U	9.4 U
4-Chlorotoluene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		8.4 U	8.3 U	9.8 U	9.1 U	9 U	9.3 U	9.8 U	9.2 U	9.4 U
Acetone		**76 J**	**42 J**	**63 J**	**69 J**	**74 J**	9.3 U	**120 J**	**81 J**	**82 J**
Acrolein		84 U	83 U	98 U	91 U	90 U	93 U	98 U	**-- R**	94 U
Acrylonitrile		8.4 U	8.3 U	9.8 U	9.1 U	9 U	9.3 U	9.8 U	9.2 U	9.4 U
Benzene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Bromobenzene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Bromochloromethane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Bromodichloromethane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 UJ	1.9 U
Bromoform (Tribromomethane)		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 UJ	1.9 U
Bromomethane (Methyl bromide)		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 UJ	1.9 U
Carbon disulfide		**1.6 J**	**1.1 J**	**1.7 J**	1.8 U	**1.8 J**	1.9 U	**2**	1.8 U	**1.3 J**

Table 7-7e
Surface Sediment Results: VOCs

	Location ID	DSIP2-SS-02_1312	DSIP2-SS-03_1312	DSIP2-SS-04_1312	DSIP2-SS-04_1312	DSIP2-SS-05_1312	DSIP2-SS-06_1312	DSIP2-SS-07_1312	DSIP2-SS-08_1312	DSIP2-SS-09_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-02-0-10	DSIP2-SS-03-0-10	DSIP2-SS-04-0-10	DSIP2-SS-54-0-10	DSIP2-SS-05-0-10	DSIP2-SS-06-0-10	DSIP2-SS-07-0-10	DSIP2-SS-08-0-10	DSIP2-SS-09-0-10
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	FD	N	N	N	N	N
	X	1268378.77	1268354.38	1268312.28	1268312.28	1268267.50	1268219.24	1268163.93	1268133.42	1268061.44
	Y	204254.04	204330.89	204455.57	204455.57	204586.39	204713.69	204828.18	204930.87	205005.25
	Screening Level									
Carbon tetrachloride (Tetrachloromethane)		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Chlorobenzene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Chloroethane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Chloroform		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Chloromethane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Cymene, p- (4-Isopropyltoluene)		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Dibromochloromethane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 UJ	1.9 U
Dibromomethane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Dichlorodifluoromethane		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Dichloromethane (Methylene chloride)		3.4 U	3.3 U	3.9 U	3.6 U	3.6 U	3.7 U	3.9 U	3.7 U	3.7 U
Ethyl bromide (Bromoethane)		3.4 U	3.3 U	3.9 U	3.6 U	3.6 U	3.7 U	3.9 U	3.7 U	3.7 U
Ethylbenzene		1.7 U	**1.8 J**	**1.4 J**	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Ethylene dibromide (1,2-Dibromoethane)		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 UJ	1.9 U
m,p-Xylene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Methyl ethyl ketone (2-Butanone)		**21**	**12**	**16**	**19**	**19**	9.3 U	**30**	**22**	**23**
Methyl iodide (Iodomethane)		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 UJ	1.9 U
Methyl tert-butyl ether (MTBE)		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
n-Butylbenzene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 UJ	1.9 U
n-Propylbenzene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
o-Xylene		**2.5 J**	**5**	**3.9**	**3.2**	**2.9 J**	**4**	2 U	1.8 U	**2.6 J**
sec-Butylbenzene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Styrene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 UJ	1.9 UJ
tert-Butylbenzene		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Tetrachloroethene (PCE)		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Toluene		**4.7**	**5.7**	**4.5**	**5.4**	**5.2**	**4.8**	**4.6**	**2 J**	**2 J**
Trichloroethene (TCE)		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Trichlorofluoromethane (Fluorotrichloromethane)		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U
Vinyl acetate		8.4 UJ	8.3 UJ	9.8 UJ	9.1 UJ	9 UJ	9.3 UJ	9.8 UJ	**-- R**	9.4 U
Vinyl chloride		1.7 U	1.7 U	2 U	1.8 U	1.8 U	1.9 U	2 U	1.8 U	1.9 U

Table 7-7e
Surface Sediment Results: VOCs

	Location ID	DSIP2-SS-10_1312	DSIP2-SS-11_1312	DSIP2-SS-12_1312	DSIP2-SS-14_1312	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-04	DSIMR-04	DSIMR-05
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-10-0-10	DSIP2-SS-11-0-10	DSIP2-SS-12-0-10	DSIP2-SS-14-0-10	DSIMR-SS-01	DSIMR-SS-02	DSIMR-SS-03	DSIMR-SS-04	DSIMR-SS-54	DSIMR-SS-05
	Sample Date	12/18/2013	12/18/2013	12/18/2013	12/18/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N
	X	1268035.46	1267989.00	1268085.53	1268107.09	1268066.22	1268066.94	1268069.67	1268030.81	1268030.81	1268029.81
	Y	205118.19	205014.02	204799.56	204301.38	204393.09	204421.57	204454.65	204557.81	204557.81	204601.34
	Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,1,1-Trichloroethane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,1,2,2-Tetrachloroethane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		3.4 U	3.3 U	3.8 U	4.4 U	86 U	1.4 U	2.2 U	1.7 U	1.9 U	2.5 U
1,1,2-Trichloroethane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,1-Dichloroethane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,1-Dichloroethene		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,1-Dichloropropene		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,2,3-Trichlorobenzene		8.5 U	8.3 U	9.5 U	11 U	210 U	3.6 U	5.4 U	4.3 U	4.8 U	6.1 U
1,2,3-Trichloropropane		3.4 U	3.3 U	3.8 U	4.4 U	86 U	1.4 U	2.2 U	1.7 U	1.9 U	2.5 U
1,2,4-Trichlorobenzene		--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene		1.7 U	1.7 U	1.9 U	2.2 U	**550**	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,2-Dibromo-3-chloropropane		8.5 U	8.3 U	9.5 U	11 U	210 U	3.6 U	5.4 U	4.3 U	4.8 U	6.1 U
1,2-Dichlorobenzene		1.7 U	--	1.9 U	2.2 U	--	--	--	--	--	--
1,2-Dichloroethane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,2-Dichloroethene, cis-		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,2-Dichloroethene, trans-		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,2-Dichloropropane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,3,5-Trimethylbenzene (Mesitylene)		1.7 U	1.7 U	1.9 U	2.2 U	**390**	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,3-Dichloropropane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,3-Dichloropropene, cis-		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,3-Dichloropropene, trans-		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
1,4-Dichloro-2-butene, trans-		8.5 U	8.3 U	9.5 U	11 U	210 U	3.6 U	5.4 U	4.3 U	4.8 U	6.1 U
1,4-Dichlorobenzene		--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
2-Chloroethylvinyl ether		8.5 U	8.3 U	9.5 U	11 U	210 U	3.6 U	5.4 U	4.3 U	4.8 U	6.1 U
2-Chlorotoluene		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
2-Hexanone (Methyl butyl ketone)		8.5 U	8.3 U	9.5 U	11 U	210 U	3.6 U	5.4 U	4.3 U	4.8 U	6.1 U
4-Chlorotoluene		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		8.5 U	8.3 U	9.5 U	11 U	210 U	3.6 U	5.4 U	4.3 U	4.8 U	6.1 U
Acetone		**67 J**	**130 J**	**100 J**	**76 J**	210 U	**30**	**59**	**45**	**37**	**57**
Acrolein		85 U	83 U	95 U	110 U	2100 U	36 U	54 U	43 U	48 U	61 U
Acrylonitrile		8.5 U	8.3 U	9.5 U	11 U	210 U	3.6 U	5.4 U	4.3 U	4.8 U	6.1 U
Benzene		1.7 U	1.7 U	1.9 U	2.2 U	**0.46 J**	**0.37 J**	**1.1 J**	0.9 U	**0.58 J**	**0.96 J**
Bromobenzene		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Bromochloromethane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Bromodichloromethane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Bromoform (Tribromomethane)		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Bromomethane (Methyl bromide)		1.7 U	1.7 U	1.9 U	2.2 U	86 U	**2 J**	**2.1 J**	0.9 U	**1.1 J**	**1.5 J**
Carbon disulfide		**1.2 J**	**2.9**	**1.4 J**	**1.3 J**	43 U	**42**	**12**	**4.6**	**18**	**36**

Table 7-7e
Surface Sediment Results: VOCs

	Location ID	DSIP2-SS-10_1312	DSIP2-SS-11_1312	DSIP2-SS-12_1312	DSIP2-SS-14_1312	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-04	DSIMR-04	DSIMR-05
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-10-0-10	DSIP2-SS-11-0-10	DSIP2-SS-12-0-10	DSIP2-SS-14-0-10	DSIMR-SS-01	DSIMR-SS-02	DSIMR-SS-03	DSIMR-SS-04	DSIMR-SS-54	DSIMR-SS-05
	Sample Date	12/18/2013	12/18/2013	12/18/2013	12/18/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N
	X	1268035.46	1267989.00	1268085.53	1268107.09	1268066.22	1268066.94	1268069.67	1268030.81	1268030.81	1268029.81
	Y	205118.19	205014.02	204799.56	204301.38	204393.09	204421.57	204454.65	204557.81	204557.81	204601.34
	Screening Level										
Carbon tetrachloride (Tetrachloromethane)		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Chlorobenzene		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Chloroethane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	**0.5 J**	**0.7 J**	0.9 U	1 U	**1.1 J**
Chloroform		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Chloromethane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	**2.2 J**	**2.9 J**	0.9 U	**1.3 J**	1.2 U
Cymene, p- (4-Isopropyltoluene)		1.7 U	1.7 U	1.9 U	**73**	**64**	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Dibromochloromethane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Dibromomethane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Dichlorodifluoromethane		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Dichloromethane (Methylene chloride)		3.4 U	3.3 U	3.8 U	4.4 U	110 U	2.7 U	2.2 U	5.5 U	2.2 U	**4.1**
Ethyl bromide (Bromoethane)		3.4 U	3.3 U	3.8 U	4.4 U	86 U	1.4 U	**0.6 J**	1.7 U	1.9 U	**1.4 J**
Ethylbenzene		**5.6**	1.7 U	1.9 U	2.2 U	**29 J**	**49**	**8.5**	**1.4**	**3.6**	**7.2**
Ethylene dibromide (1,2-Dibromoethane)		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	--	14 U	5 U	4.7 U	5 U	4.7 U	4.9 U
Isopropylbenzene (Cumene)		1.7 U	1.7 U	1.9 U	2.2 U	**37 J**	0.7 U	1.1 U	0.9 U	1 U	1.2 U
m,p-Xylene		**32**	1.7 U	1.9 U	2.2 U	**140**	**250**	**51**	**7.3**	**8.2**	**20**
Methyl ethyl ketone (2-Butanone)		**15**	**34**	**23**	**21**	210 U	**3.7**	**6.9**	**4 J**	**3.8 J**	6.1 U
Methyl iodide (Iodomethane)		1.7 U	1.7 U	1.9 U	2.2 U	43 U	**3.5 J**	**4.3 J**	0.9 U	1 U	**1.8 J**
Methyl tert-butyl ether (MTBE)		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
n-Butylbenzene		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
n-Propylbenzene		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
o-Xylene		**21**	1.7 U	1.9 U	2.2 U	**150**	**310**	**55**	**8**	**11**	**24**
sec-Butylbenzene		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Styrene		1.7 UJ	1.7 UJ	1.9 UJ	2.2 UJ	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
tert-Butylbenzene		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Tetrachloroethene (PCE)		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Toluene		**21**	**2.2 J**	**2.5 J**	**2.1 J**	**14**	**36**	**22**	**19**	**19**	**23**
Trichloroethene (TCE)		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Trichlorofluoromethane (Fluorotrichloromethane)		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U
Vinyl acetate		8.5 U	8.3 U	9.5 U	11 U	210 UJ	3.6 UJ	5.4 UJ	4.3 UJ	4.8 UJ	6.1 UJ
Vinyl chloride		1.7 U	1.7 U	1.9 U	2.2 U	43 U	0.7 U	1.1 U	0.9 U	1 U	1.2 U

Table 7-7e
Surface Sediment Results: VOCs

Notes:
Detected concentration is greater than the sediment screening level
Non-detected concentration is above the sediment screening level
Bold = Detected result
-- = not analyzed
µg/kg = micrograms per kilogram
cm = centimeter
FD = field duplicate
J = estimated value
N = normal sample
R = rejected
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit

Table 7-7f
Surface Sediment Results: PCBs and Pesticides

	Location ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-03	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01_1312	DSIP2-SS-02_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSI-SS-01	DSI-SS-02	DSI-SS-03	DSI-SS-53	DSI-SS-04	DSI-SS-05	DSI-SS-06	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-10	DSI-SS-11	DSIP2-SS-01-0-10	DSIP2-SS-02-0-10
	Sample Date	3/7/2011	3/8/2011	3/8/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	3/7/2011	12/17/2013	12/17/2013
	Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
	X	1268047.45	1268218.05	1268169.29	1268169.29	1268145.51	1268079.89	1268018.54	1267971.91	1268289.07	1268219.38	1268127.37	1268039.92	1268348.20	1268378.77
	Y	204251.47	204112.84	204300.63	204300.63	204406.68	204648.06	204759.26	204896.59	204317.51	204563.02	204817.33	205062.39	204088.52	204254.04
	Screening Level														
PCB Aroclors (mg/kg-OC)															
Aroclor 1016		0.1535 U	0.327 U	0.1866 U	0.1466 U	0.1429 U	0.1633 U	0.3294 U	0.3465 U	0.2806 U	0.3774 U	0.5273 UJ	0.155 U	0.1423 U	0.1429 U
Aroclor 1221		0.1535 U	0.327 U	0.1866 U	0.1466 U	0.1429 U	0.1633 U	0.3294 U	0.3465 U	0.2806 U	0.3774 U	0.5273 UJ	0.155 U	0.1423 U	0.1429 U
Aroclor 1232		0.1535 U	0.327 U	0.1866 U	0.1466 U	0.1429 U	0.1633 U	0.3294 U	0.3465 U	0.2806 U	0.3774 U	0.5273 UJ	0.155 U	0.1423 U	0.1429 U
Aroclor 1242		0.1535 U	0.327 U	0.1866 U	0.1466 U	0.1429 U	0.1633 U	0.3294 U	0.3465 U	0.2806 U	0.3774 U	0.5273 UJ	0.155 U	0.1423 U	0.1429 U
Aroclor 1248		**1.26**	**0.798**	**1.196**	**0.789**	**1.355**	**1.388**	**2.183**	**3.114**	**1.079**	1.887 U	**4.424 J**	**1.318**	**1.886**	**2.293**
Aroclor 1254		**1.732**	**1.141**	**1.531**	**1.203**	**1.722**	**2.082**	**3.056**	**4.825**	**1.583**	**3.679**	**5.152 J**	**1.628**	**3.31**	**4.887**
Aroclor 1260		**1.024**	**0.798**	**0.861**	**1.466**	**0.952**	**1.347**	**2.421**	**3.202**	**0.935**	**2.217**	**2.364**	**0.93**	**2.206**	**2.481**
Total PCB Aroclors (SMS Marine 2013) (U = 0)		**4.0157**	**2.7376**	**3.5885**	**3.4586**	**4.0293**	**4.8163**	**7.6587**	**11.1404**	**3.5971**	**5.8962**	**11.9394 J**	**3.876**	**7.4021**	**9.6617**
PCB Aroclors (µg/kg)															
Aroclor 1016		3.9 U	8.6 U	3.9 U	3.9 U	3.9 U	4 U	8.3 U	7.9 U	3.9 U	8 U	8.7 UJ	4 U	4 U	3.8 U
Aroclor 1221		3.9 U	8.6 U	3.9 U	3.9 U	3.9 U	4 U	8.3 U	7.9 U	3.9 U	8 U	8.7 UJ	4 U	4 U	3.8 U
Aroclor 1232		3.9 U	8.6 U	3.9 U	3.9 U	3.9 U	4 U	8.3 U	7.9 U	3.9 U	8 U	8.7 UJ	4 U	4 U	3.8 U
Aroclor 1242		3.9 U	8.6 U	3.9 U	3.9 U	3.9 U	4 U	8.3 U	7.9 U	3.9 U	8 U	8.7 UJ	4 U	4 U	3.8 U
Aroclor 1248		**32**	**21**	**25**	**21**	**37**	**34**	**55**	**71**	**15**	40 U	**73 J**	**34**	**53**	**61**
Aroclor 1254		**44**	**30**	**32**	**32**	**47**	**51**	**77**	**110**	**22**	**78**	**85 J**	**42**	**93**	**130**
Aroclor 1260		**26**	**21**	**18**	**39**	**26**	**33**	**61**	**73**	**13**	**47**	**39**	**24**	**62**	**66**
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	**102**	**72**	**75**	**92**	**110**	**118**	**193**	**254**	**50**	**125**	**197 J**	**100**	**208**	**257**
Pesticides (µg/kg)															
4,4'-DDD (p,p'-DDD)		2 U	2 U	**2.8**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.99 U	0.96 U
4,4'-DDE (p,p'-DDE)		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.99 U	0.96 U
4,4'-DDT (p,p'-DDT)		2 U	2 U	2 U	2 U	**5.5**	2 U	**2.7**	**4.7**	2 U	2 U	2 U	2 U	**16 J**	0.96 U
Aldrin		0.98 U	0.98 U	1 U	0.98 U	0.98 U	0.98 U	0.98 U	0.99 U	0.98 U	0.98 U	0.97 U	0.99 U	0.5 U	1 U
Chlordane, alpha- (Chlordane, cis-)		0.98 U	0.98 U	1 U	0.98 U	0.98 U	0.98 U	0.98 U	0.99 U	0.98 U	0.98 U	0.97 U	0.99 U	0.5 U	0.48 U
Chlordane, beta- (Chlordane, trans-)		0.98 U	0.98 U	1 U	0.98 U	0.98 U	0.98 U	0.98 U	0.99 U	0.98 U	0.98 U	0.97 U	0.99 U	1.1 U	0.48 U
Dieldrin		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.99 U	0.96 U
Endosulfan sulfate		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.99 U	0.96 U
Endosulfan, alpha- (I)		0.98 U	0.98 U	1 U	0.98 U	0.98 U	0.98 U	0.98 U	0.99 U	0.98 U	0.98 U	0.97 U	0.99 U	0.5 U	0.48 U
Endosulfan, beta (II)		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.99 U	0.96 U
Endrin		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.99 U	0.96 U
Endrin aldehyde		2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.4 UJ	1.8 UJ
Endrin ketone		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.99 U	0.96 U
Heptachlor		0.98 U	0.98 U	1 U	0.98 U	5.9 U	4.3 U	0.98 U	0.99 U	2.3 U	1.7 U	0.97 U	0.99 U	0.5 U	0.48 U
Heptachlor epoxide		0.98 U	0.98 UJ	1 UJ	0.98 UJ	4.4 U	0.98 U	1.6 U	0.99 UJ	0.98 U	0.98 U	0.97 U	0.99 U	0.99 U	0.96 U
Hexachlorobenzene		0.98 U	**3**	1 U	0.98 U	0.98 U	0.98 U	0.98 U	0.99 U	0.98 U	0.98 U	0.97 U	0.99 U	--	0.96 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		0.98 U	0.98 U	1 U	0.98 U	0.98 U	0.98 U	0.98 U	0.99 U	0.98 U	0.98 U	0.97 U	0.99 U	--	0.96 U
Hexachlorocyclohexane (BHC), alpha-		0.98 U	0.98 U	1 U	0.98 U	0.98 U	0.98 U	0.98 U	0.99 U	0.98 U	0.98 U	0.97 U	0.99 U	0.5 U	0.48 U
Hexachlorocyclohexane (BHC), beta-		0.98 U	0.98 U	1 U	0.98 U	0.98 U	0.98 U	0.98 U	0.99 U	0.98 U	0.98 U	0.97 U	0.99 U	2.5 U	2.4 U
Hexachlorocyclohexane (BHC), delta-		0.98 UJ	0.98 UJ	1 UJ	0.98 UJ	0.98 UJ	0.98 UJ	0.98 UJ	0.99 UJ	0.98 UJ	0.98 UJ	0.97 UJ	0.99 UJ	2.5 U	2.3 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)		0.98 U	0.98 U	1 U	0.98 U	0.98 U	0.98 U	0.98 U	0.99 U	0.98 U	0.98 U	0.97 U	0.99 U	1.5 U	1.7 U
Methoxychlor		9.8 U	9.8 U	10 U	9.8 U	9.8 U	9.8 U	9.8 U	9.9 U	9.8 U	9.8 U	9.7 U	9.9 U	5 U	4.8 U
Toxaphene		98 U	98 U	100 U	98 U	98 U	98 U	98 U	99 U	98 U	98 U	97 U	99 U	25 U	24 U

Table 7-7f
Surface Sediment Results: PCBs and Pesticides

	Location ID	DSIP2-SS-03_1312	DSIP2-SS-04_1312	DSIP2-SS-04_1312	DSIP2-SS-05_1312	DSIP2-SS-06_1312	DSIP2-SS-07_1312	DSIP2-SS-08_1312	DSIP2-SS-09_1312	DSIP2-SS-10_1312	DSIP2-SS-11_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-03-0-10	DSIP2-SS-04-0-10	DSIP2-SS-54-0-10	DSIP2-SS-05-0-10	DSIP2-SS-06-0-10	DSIP2-SS-07-0-10	DSIP2-SS-08-0-10	DSIP2-SS-09-0-10	DSIP2-SS-10-0-10	DSIP2-SS-11-0-10
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013
	Sample Type	N	N	FD	N	N	N	N	N	N	N
	X	1268354.38	1268312.28	1268312.28	1268267.50	1268219.24	1268163.93	1268133.42	1268061.44	1268035.46	1267989.00
	Y	204330.89	204455.57	204455.57	204586.39	204713.69	204828.18	204930.87	205005.25	205118.19	205014.02
	Screening Level										
PCB Aroclors (mg/kg-OC)											
Aroclor 1016		0.161 U	0.1857 U	0.1674 U	0.1959 U	0.2021 U	0.291 U	0.1625 U	0.1765 U	0.1653 U	0.1557 U
Aroclor 1221		0.161 U	0.1857 U	0.1674 U	0.1959 U	0.2021 U	0.291 U	0.1625 U	0.1765 U	0.1653 U	0.1557 U
Aroclor 1232		0.161 U	0.1857 U	0.1674 U	0.1959 U	0.2021 U	0.291 U	0.1625 U	0.1765 U	0.1653 U	0.1557 U
Aroclor 1242		0.161 U	0.1857 U	0.1674 U	0.1959 U	0.2021 U	0.291 U	0.1625 U	0.1765 U	0.1653 U	0.1557 U
Aroclor 1248		**1.61**	**2.571**	**1.888**	**2.371**	**3.161**	**5.224**	**2.917**	**3.71**	**2.839**	**5.328**
Aroclor 1254		**2.966**	**3.905**	**3.519**	**4.691**	**5.699**	**7.463**	**5**	**6.335**	**5.085**	**11.066**
Aroclor 1260		**2.076**	**2**	**2.189**	**2.938**	**3.109**	**4.478**	**2.458**	**2.986**	**2.627**	**4.508**
Total PCB Aroclors (SMS Marine 2013) (U = 0)		**6.6525**	**8.4762**	**7.5966**	**10**	**11.9689**	**17.1642**	**10.375**	**13.0317**	**10.5508**	**20.9016**
PCB Aroclors (µg/kg)											
Aroclor 1016		3.8 U	3.9 U	3.9 U	3.8 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.8 U
Aroclor 1221		3.8 U	3.9 U	3.9 U	3.8 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.8 U
Aroclor 1232		3.8 U	3.9 U	3.9 U	3.8 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.8 U
Aroclor 1242		3.8 U	3.9 U	3.9 U	3.8 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.8 U
Aroclor 1248		**38**	**54**	**44**	**46**	**61**	**70**	**70**	**82**	**67**	**130**
Aroclor 1254		**70**	**82**	**82**	**91**	**110**	**100**	**120**	**140**	**120**	**270**
Aroclor 1260		**49**	**42**	**51**	**57**	**60**	**60**	**59**	**66**	**62**	**110**
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	**157**	**178**	**177**	**194**	**231**	**230**	**249**	**288**	**249**	**510**
Pesticides (µg/kg)											
4,4'-DDD (p,p'-DDD)		**6.5 J**	0.99 U	0.99 U	0.96 U	0.98 U	0.98 U	0.98 U	0.97 U	0.98 U	0.96 U
4,4'-DDE (p,p'-DDE)		3.1 U	0.99 UJ	0.99 UJ	0.96 UJ	0.98 UJ	0.98 UJ	0.98 UJ	5.2 UJ	0.98 UJ	6 UJ
4,4'-DDT (p,p'-DDT)		**97**	8.7 U	0.99 U	7.6 U	0.98 U	10 U	0.98 U	0.97 U	0.98 U	17 U
Aldrin		0.49 UJ	0.49 UJ	0.86 UJ	0.95 UJ	1.2 UJ	1.3 UJ	1.2 UJ	0.48 UJ	0.49 UJ	2.1 UJ
Chlordane, alpha- (Chlordane, cis-)		1.2 U	0.49 UJ	0.49 UJ	0.48 UJ	0.49 UJ	0.49 UJ	0.49 UJ	0.48 UJ	0.49 UJ	0.48 UJ
Chlordane, beta- (Chlordane, trans-)		0.49 U	1.8 UJ	0.49 UJ	0.48 UJ	0.88 UJ	0.49 UJ	0.49 UJ	2.8 UJ	2 UJ	3.4 UJ
Dieldrin		0.98 U	0.99 UJ	0.99 UJ	0.96 UJ	0.98 UJ	0.98 UJ	0.98 UJ	3.4 UJ	0.98 UJ	4.1 UJ
Endosulfan sulfate		1.6 U	0.99 UJ	0.99 UJ	0.96 UJ	0.98 UJ	1.6 UJ	0.98 UJ	0.97 UJ	0.98 UJ	0.96 UJ
Endosulfan, alpha- (I)		0.49 U	0.49 UJ	0.49 UJ	0.48 UJ	0.49 UJ	0.49 UJ	0.49 UJ	0.48 UJ	0.49 UJ	0.48 UJ
Endosulfan, beta (II)		7.7 U	0.99 U	0.99 U	0.96 U	0.98 U	0.98 U	0.98 U	0.97 U	0.98 U	0.96 U
Endrin		0.98 U	0.99 U	0.99 U	0.96 U	0.98 U	0.98 U	0.98 U	0.97 U	0.98 U	0.96 U
Endrin aldehyde		3.6 UJ	2.3 UJ	1.8 UJ	1.6 UJ	2.3 UJ	2.2 UJ	2.2 UJ	2.9 UJ	2.2 UJ	3.9 UJ
Endrin ketone		0.98 U	0.99 U	0.99 U	0.96 U	0.98 U	0.98 U	0.98 U	0.97 U	0.98 U	0.96 U
Heptachlor		0.49 UJ	0.49 UJ	0.49 UJ	0.48 UJ	0.49 UJ	0.7 UJ	0.49 UJ	0.78 UJ	0.49 UJ	0.92 UJ
Heptachlor epoxide		2.4 U	0.99 UJ	0.99 UJ	2.6 UJ	0.98 UJ	0.98 UJ	0.98 UJ	0.97 UJ	4 UJ	7.3 UJ
Hexachlorobenzene		2.7 UJ	4.3 UJ	2.2 UJ	3 UJ	0.98 UJ	2.4 UJ	1.6 UJ	0.97 UJ	2.9 UJ	2.4 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		0.98 U	0.99 U	0.99 U	0.96 U	0.98 U	0.98 U	0.98 U	0.97 U	0.98 U	0.96 U
Hexachlorocyclohexane (BHC), alpha-		0.49 UJ	5.9 U	0.49 U	0.48 U	3.5 U	0.49 U	0.49 U	0.48 U	0.49 U	0.48 U
Hexachlorocyclohexane (BHC), beta-		0.49 U	4.9 UJ	0.49 UJ	0.48 UJ	0.49 UJ	0.49 UJ	0.49 UJ	1.3 UJ	0.49 UJ	2.7 UJ
Hexachlorocyclohexane (BHC), delta-		4.4 UJ	3.1 UJ	2.5 UJ	2 UJ	2.7 UJ	2.5 UJ	3 UJ	1.2 UJ	0.79 UJ	1.1 UJ
Hexachlorocyclohexane (BHC), gamma- (Lindane)		1.9 U	2.4 U	0.49 U	1.8 U	0.49 U	1.6 U	0.49 U	1.4 U	1.3 U	0.48 U
Methoxychlor		4.9 U	4.9 U	4.9 U	4.8 U	4.9 U	4.9 U	4.9 U	4.8 U	4.9 U	4.8 U
Toxaphene		24 U	25 U	25 U	24 U	24 U	24 U	25 U	24 U	25 U	24 U

Table 7-7f
Surface Sediment Results: PCBs and Pesticides

	Location ID	DSIP2-SS-12_1312	DSIP2-SS-14_1312	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-04	DSIMR-04	DSIMR-05
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-12-0-10	DSIP2-SS-14-0-10	DSIMR-SS-01	DSIMR-SS-02	DSIMR-SS-03	DSIMR-SS-04	DSIMR-SS-54	DSIMR-SS-05
	Sample Date	12/18/2013	12/18/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
	Sample Type	N	N	N	N	N	N	FD	N
	X	1268085.53	1268107.09	1268066.22	1268066.94	1268069.67	1268030.81	1268030.81	1268029.81
	Y	204799.56	204301.38	204393.09	204421.57	204454.65	204557.81	204557.81	204601.34
	Screening Level								
PCB Aroclors (mg/kg-OC)									
Aroclor 1016		0.1626 U	0.1309 U	2.692 U	0.2667 U	0.1294 U	1.044 U	0.26 U	0.1514 U
Aroclor 1221		0.1626 U	0.1309 U	2.692 U	0.2667 U	0.1294 U	1.044 U	0.26 U	0.1514 U
Aroclor 1232		0.1626 U	0.1309 U	2.692 U	0.2667 U	0.1294 U	1.044 U	0.26 U	0.1514 U
Aroclor 1242		0.1626 U	0.1309 U	2.692 U	0.2667 U	0.1294 U	1.044 U	0.26 U	0.1514 U
Aroclor 1248		**2.846**	**2.081**	**48.452**	**4**	1.294 U	3.187 U	**2.533**	0.757 U
Aroclor 1254		**4.472**	**3.356**	**14.805**	**5.933**	**4.854**	**12.088**	**8.667**	**2.47**
Aroclor 1260		**2.927**	**2.349**	**6.999**	**1.867**	**3.139 J**	**4.615**	**4.867**	**1.355**
Total PCB Aroclors (SMS Marine 2013) (U = 0)		**10.2439**	**7.7852**	**70.256**	**11.8**	**7.9935 J**	**16.703**	**16.0667**	**3.8247**
PCB Aroclors (µg/kg)									
Aroclor 1016		4 U	3.9 U	20 U	4 U	4 U	19 U	3.9 U	3.8 U
Aroclor 1221		4 U	3.9 U	20 U	4 U	4 U	19 U	3.9 U	3.8 U
Aroclor 1232		4 U	3.9 U	20 U	4 U	4 U	19 U	3.9 U	3.8 U
Aroclor 1242		4 U	3.9 U	20 U	4 U	4 U	19 U	3.9 U	3.8 U
Aroclor 1248		**70**	**62**	**360**	**60**	40 U	58 U	**38**	19 U
Aroclor 1254		**110**	**100**	**110**	**89**	**150**	**220**	**130**	**62**
Aroclor 1260		**72**	**70**	**52**	**28**	**97 J**	**84**	**73**	**34**
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	**252**	**232**	**522**	**177**	**247 J**	**304**	**241**	**96**
Pesticides (µg/kg)									
4,4'-DDD (p,p'-DDD)		0.99 U	0.98 U	4.9 U	5 U	5 U	4.8 U	4.8 U	4.8 U
4,4'-DDE (p,p'-DDE)		0.99 UJ	0.98 UJ	4.9 U	5 U	5 U	4.8 U	4.8 U	4.8 U
4,4'-DDT (p,p'-DDT)		0.99 U	0.98 U	18 U	8.5 U	34 U	16 U	18 U	14 U
Aldrin		0.5 UJ	0.49 UJ	2.4 U	2.5 U	2.5 U	2.4 U	2.4 U	2.4 U
Chlordane, alpha- (Chlordane, cis-)		0.5 UJ	0.49 UJ	2.4 U	2.5 U	2.5 U	2.4 U	2.4 U	2.4 U
Chlordane, beta- (Chlordane, trans-)		2.4 UJ	1.3 UJ	5.8 U	2.5 U	2.5 U	2.4 U	2.4 U	2.4 U
Dieldrin		2.7 UJ	0.98 UJ	4.9 U	5 U	5 U	4.8 U	4.8 U	4.8 U
Endosulfan sulfate		0.99 UJ	1.8 UJ	4.9 U	5 U	5 U	8.8 U	4.8 U	4.8 U
Endosulfan, alpha- (I)		0.5 UJ	0.49 UJ	2.4 U	2.5 U	2.5 U	2.4 U	2.4 U	2.4 U
Endosulfan, beta (II)		0.99 U	0.98 U	4.9 U	5 U	5 U	4.8 U	4.8 U	4.8 U
Endrin		0.99 U	0.98 U	4.9 U	5 U	5 U	4.8 U	4.8 U	4.8 U
Endrin aldehyde		2.3 UJ	2.3 UJ	4.9 U	5 U	5 U	4.8 U	4.8 U	4.8 U
Endrin ketone		0.99 U	0.98 U	22 U	5 U	5 U	4.8 U	4.8 U	4.8 U
Heptachlor		0.5 UJ	0.49 UJ	2.4 U	2.5 U	2.5 U	2.4 U	2.4 U	2.4 U
Heptachlor epoxide		0.99 UJ	0.98 UJ	5.7 U	5 U	5 U	4.8 U	4.8 U	4.8 U
Hexachlorobenzene		0.99 UJ	0.98 UJ	4.9 U	--	--	4.8 U	--	4.8 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		0.99 U	0.98 U	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), alpha-		0.5 U	0.49 U	21 U	2.5 U	2.5 U	2.4 U	2.4 U	2.4 U
Hexachlorocyclohexane (BHC), beta-		1 UJ	0.49 UJ	22 U	10 U	2.5 U	2.4 U	2.4 U	2.4 U
Hexachlorocyclohexane (BHC), delta-		2 UJ	3.5 UJ	2.4 U	2.5 U	2.5 U	2.4 U	2.4 U	2.4 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)		0.68 U	0.64 U	14 U	2.5 U	2.5 U	2.4 U	2.4 U	2.4 U
Methoxychlor		5 U	4.9 U	24 U	25 U	25 U	24 U	24 U	110 U
Toxaphene		25 U	25 U	490 U	500 U	500 U	480 U	480 U	480 U

Table 7-7f
Surface Sediment Results: PCBs and Pesticides

Notes:
Detected concentration is greater than the sediment screening level
Non-detected concentration is above the sediment screening level
Bold = Detected result
-- = not analyzed
µg/kg = micrograms per kilogram
cm = centimeter
FD = field duplicate
J = estimated value
mg/kg-OC = milligrams per kilograms organic carbon normalized
N = normal sample
PCB = polychlorinated biphenyl
SMS = Sediment Management Standards
R = rejected
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit

Table 7-7g
Surface Sediment Results: Dioxin/Furans

	Location ID	DSI-SS-01	DSI-SS-02	DSI-SS-04	DSI-SS-05	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-11	DSIP2-SS-01_1312	DSIP2-SS-02_1312	DSIP2-SS-03_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSI-SS-01	DSI-SS-02	DSI-SS-04	DSI-SS-05	DSI-SS-07	DSI-SS-08	DSI-SS-09	DSI-SS-11	DSIP2-SS-01-0-10	DSIP2-SS-02-0-10	DSIP2-SS-03-0-10
	Sample Date	3/7/2011	3/8/2011	3/7/2011	3/7/2011	3/8/2011	3/7/2011	3/7/2011	3/7/2011	12/17/2013	12/17/2013	12/17/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N
	X	1268047.45	1268218.05	1268145.51	1268079.89	1267971.91	1268289.07	1268219.38	1268039.92	1268348.20	1268378.77	1268354.38
	Y	204251.47	204112.84	204406.68	204648.06	204896.59	204317.51	204563.02	205062.39	204088.52	204254.04	204330.89
	Screening Level											
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)		0.568 J	0.331 J	0.5 J	0.461 J	0.619 J	0.358 J	0.415 J	0.373 J	0.698 J	0.369 J	0.365 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		2.14	1.16 J	1.63 J	1.83	2 J	0.77 J	1.67 J	1.07	1.71	0.912 J	0.83 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		3.3	1.15 J	1.88 J	2.61	2.6	0.948 J	2.09	1.26 J	2.14	1.13 J	0.984 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		18.9	4.1	8.97	13.4	12.3	3.48	9.6	6.41	9.44	5.68	4.5
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		7.56	2.76	4.19	5.93	6.25	2.53	4.58	3.21	4.79	2.77	2.45
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		643	94.9	263	447	380	103	272	199	258	181	132
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		6250	870	2550	5090	3480	883	2310	1960	2260	1860	1580
Total Tetrachlorodibenzo-p-dioxin (TCDD)		11.5 J	8.59 J	8.71 J	8.75 J	10 J	5.3 J	8.98 J	5.91 J	8.34 J	5.86 J	3.61 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)		27.2	10.7 J	15.2 J	16.6 J	17.2 J	6.32 J	14.1 J	9.07	17 J	10.5 U	6.69 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)		151	35.9	83.7	127	105	31.3 J	79.8	45.5	89.8 J	55.9 J	40.9
Total Heptachlorodibenzo-p-dioxin (HpCDD)		1510	235 J	750 J	1460	974 J	262	695 J	423	725	545	353
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		1.39	0.672 J	1.14	1.24	1.52	0.473 J	1.25	0.745 J	1.26 J	0.676 J	0.592 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		1.51 J	0.552 J	0.898 J	1.14 J	1.25 J	0.379 U	0.863 J	0.602 J	1.04 J	0.605 J	0.464 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		3.86	0.845 J	1.67	2.32	2.57	0.622 J	1.7	1.21	2.03	1.13	0.819 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		27.1	3.13	7.5	17.9	10.6	2.07	6.39	5.29	9.17	4.76	3.1
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		5.32	1.14 J	2.08	3.86	2.78	0.958 J	1.98 J	1.48 J	2.69	1.29	1.02
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		4.26	0.708 J	1.52 J	2.81	1.98 J	0.422 U	1.32 J	0.907 J	1.98 J	0.971 J	0.68 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		9.09	1.41 J	2.89	5.98	4.05	1.21 J	2.85	2.13	2.07	0.93 J	0.682 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		205	18.7	47	71.9	67.8	19	50.7	34.3	55.1	34.1	22.8
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		17.8	1.77 J	4.87	9.37	6.84	1.68 J	4.39	4.01	6.06	3.46	2.1
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		608	56.1	173	233	254	60.5	196	116	173	133	85.4
Total Tetrachlorodibenzofuran (TCDF)		25.3 J	12.8 J	24 J	25.4 J	33.1 J	9.85 J	26.4 J	14.9 J	27.9 J	15.5 J	12.1 J
Total Pentachlorodibenzofuran (PeCDF)		58.5 J	17.1 J	35.6 J	35.2 J	47.8 J	11.9 J	35.7 J	19.6 J	40.8 J	23.1 J	17.4 J
Total Hexachlorodibenzofuran (HxCDF)		269	34.1 J	89 J	153 J	114	26 J	83.1 J	52.9 J	97.1 J	52.7 J	39 J
Total Heptachlorodibenzofuran (HpCDF)		780	65	192	290	277	62.5	207	132	220 J	138	90.2 J
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	2	22.3187 J	4.69959 J	9.64054 J	15.2738 J	13.3021 J	4.00135 J	9.64959 J	6.96316 J	10.3237 J	6.24235 J	4.92404 J

Table 7-7g
Surface Sediment Results: Dioxin/Furans

	Location ID	DSIP2-SS-04_1312	DSIP2-SS-04_1312	DSIP2-SS-05_1312	DSIP2-SS-06_1312	DSIP2-SS-07_1312	DSIP2-SS-08_1312	DSIP2-SS-09_1312	DSIP2-SS-10_1312	DSIP2-SS-11_1312
	Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
	Sample ID	DSIP2-SS-04-0-10	DSIP2-SS-54-0-10	DSIP2-SS-05-0-10	DSIP2-SS-06-0-10	DSIP2-SS-07-0-10	DSIP2-SS-08-0-10	DSIP2-SS-09-0-10	DSIP2-SS-10-0-10	DSIP2-SS-11-0-10
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013
	Sample Type	N	FD	N	N	N	N	N	N	N
	X	1268312.28	1268312.28	1268267.50	1268219.24	1268163.93	1268133.42	1268061.44	1268035.46	1267989.00
	Y	204455.57	204455.57	204586.39	204713.69	204828.18	204930.87	205005.25	205118.19	205014.02
	Screening Level									
Dioxin Furans (ng/kg)										
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)		**0.26 J**	**0.486 J**	**0.453 J**	**0.555 J**	**0.551 J**	**0.908 J**	**0.631 J**	**0.58 J**	**1.1 J**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		0.726 U	**1.01**	**1.38**	**1.7**	**1.75**	**4.44**	**2.07**	**2.01**	**3.87**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**0.998**	**1.06**	**1.91**	**2.23**	**2.84**	**3.48**	**2.77**	**2.92**	**4.65**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**4.68**	**4.18**	**7.77**	**11.4**	**15.1**	**14.5**	**14**	**13.3**	**29**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		**2.39**	**2.48**	**3.92**	**5.42**	**6.85**	**7.58**	**6.47**	**6.93**	**13.1**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		**142**	**127**	**263**	**344**	**775**	**419**	**447**	**435**	**893**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		**1230**	**1120**	**2630**	**3530**	**4660 J**	**6730 J**	**4070 J**	**4250 J**	**9120 J**
Total Tetrachlorodibenzo-p-dioxin (TCDD)		3.08 U	**6.84 J**	5.38 U	**7.93 J**	**7.42 J**	**67.7 J**	**8.86 J**	**10.3 J**	**12 J**
Total Pentachlorodibenzo-p-dioxin (PeCDD)		6.52 U	9.7 U	**13.3 J**	**14.9**	**16.3**	**64.1**	**19 J**	**23.7**	**32.5**
Total Hexachlorodibenzo-p-dioxin (HxCDD)		**49.1**	**45.8**	**93.7**	**96.2**	**138**	**153 J**	**144**	**123 J**	**213 J**
Total Heptachlorodibenzo-p-dioxin (HpCDD)		**444**	**372**	**903**	**933**	**1620**	**1080**	**1210**	**975**	**1920**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		**0.609 J**	**297**	**0.96 J**	**1.37**	**1.3**	**4.85**	**1.6**	**1.41**	**2.22**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		**0.417 J**	**48.8**	**0.752 J**	**1.37**	**1.07 J**	**4.97**	**1.61 J**	**1.24 J**	**2.17**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		**0.859 J**	**35**	**1.52**	**4.12**	**2.46**	**7.04**	**3.42**	**2.74**	**5.45**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		**3.08 J**	**13.1**	**5.8**	**19**	**9.65**	**15.2**	**13.8**	**11.1**	**28.4**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		**0.964 J**	**3.1**	**1.76 J**	**3.91**	**2.6**	**6.91**	**3.51**	**3.46**	**6.35**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		**0.607 J**	**2.2 J**	**1.08 J**	**3.52 J**	**1.76 J**	**2.99 J**	**2.56 J**	**2.09 J**	**4.96 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		**0.845 J**	**1.6 J**	**1.28 J**	**2.33**	**1.36**	**5.27**	**2.82**	**2.43**	**4.03**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		**22**	**22.5**	**39.2**	**69.8**	**61**	**79.5**	**83.7**	**84.3**	**158**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		**1.92**	**2.42**	**3.65**	**6.92**	**5.76**	**7.23**	**8.4**	**7.23**	**17**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		**82.2**	**79**	**152**	**266**	**215**	**358**	**351**	**285**	**639**
Total Tetrachlorodibenzofuran (TCDF)		**12.8 J**	**532 J**	**19.2 J**	**30.2 J**	**29.9 J**	**88.6 J**	**38 J**	**26.9 J**	**47.5 J**
Total Pentachlorodibenzofuran (PeCDF)		**16.8 J**	**149 J**	**31 J**	**57.7 J**	**43.5 J**	**99.9 J**	**63.3 J**	**53 J**	**91.8 J**
Total Hexachlorodibenzofuran (HxCDF)		**38.3 J**	**55.5 J**	**69.3 J**	**141 J**	**107 J**	**150 J**	**153 J**	**137 J**	**291 J**
Total Heptachlorodibenzofuran (HpCDF)		**87.2**	**87.9 J**	**157 J**	**290 J**	**250 J**	**315 J**	**372**	**309 J**	**703**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	2	**4.00037 J**	**47.8109 J**	**8.65266 J**	**13.7961 J**	**17.0972 J**	**20.8708 J**	**15.2456 J**	**14.439 J**	**29.5488 J**

Table 7-7g
Surface Sediment Results: Dioxin/Furans

		Location ID	DSIP2-SS-12_1312	DSIP2-SS-14_1312	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-04	DSIMR-04	DSIMR-05
		Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
		Sample ID	DSIP2-SS-12-0-10	DSIP2-SS-14-0-10	DSIMR-SS-01	DSIMR-SS-02	DSIMR-SS-03	DSIMR-SS-04	DSIMR-SS-54	DSIMR-SS-05
		Sample Date	12/18/2013	12/18/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
		Sample Type	N	N	N	N	N	N	FD	N
		X	1268085.53	1268107.09	1268066.22	1268066.94	1268069.67	1268030.81	1268030.81	1268029.81
		Y	204799.56	204301.38	204393.09	204421.57	204454.65	204557.81	204557.81	204601.34
	Screening Level									
Dioxin Furans (ng/kg)										
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)		**0.603 J**	**0.598 J**	0.786 U	0.561 U	0.545 U	0.81 U	0.83 U	0.877 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		**2.15**	**2.31**	**3.61**	**2.38**	**2.94**	**5.12**	**4.94**	**5.76**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**3.07**	**3.22**	**7.09**	**3.7**	**5.27**	**6.74**	**5.64**	**6.22**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**13.5**	**15.9**	**104 J**	**24.5 J**	**40.8 J**	**28.2 J**	**23.9 J**	**24 J**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		**6.61**	**7.47**	**20.1**	**8.09**	**11.1**	**11.9**	**10.3**	**10.6**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		**420**	**500**	**4410**	**885**	**1350**	**1170**	**863**	**835**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		**3990 J**	**5870 J**	**55700 J**	**8080 J**	**18800 J**	**13700 J**	**8990 J**	**8540 J**
Total Tetrachlorodibenzo-p-dioxin (TCDD)		**8.71 J**	**8.47 J**	**6.64 J**	**7.19 J**	**11.7 J**	**23.7 J**	**20.1 J**	**20.8 J**
Total Pentachlorodibenzo-p-dioxin (PeCDD)		**21 J**	**23.1**	**24.6 J**	**18.4**	**113**	**72.1**	**52.4**	**73.4**
Total Hexachlorodibenzo-p-dioxin (HxCDD)		**120**	**145 J**	**503 J**	**163 J**	**438 J**	**405 J**	**335 J**	**344 J**
Total Heptachlorodibenzo-p-dioxin (HpCDD)		**1050**	**1320**	**9190**	**1750**	**3370**	**5050**	**3410**	**3230**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		**1.61**	**1.62**	**1.57**	**2.17**	**2.97**	**3.92**	**4.64**	**3.18**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		**1.44 J**	**1.54 J**	**1.43**	**1.89**	**3.4**	**5.45**	**4.56**	**3.75**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		**3.14**	**3.53**	**2.51**	**5.53**	**13.2**	**12.9**	**9.76**	**8.07**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		**13.1**	**17.9**	**27**	**29.7**	**96.8**	**28.9**	**25**	**17**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		**3.46**	**4.05**	**7.62**	**6.86**	**14.7**	**14.5**	**10.8**	**8.52**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		**2.19 J**	**3.24 J**	**3.47 J**	**4.43 J**	**13.7 J**	**5.21 J**	**4.1 J**	**3.74 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		**2.33**	**2.7**	**4.89**	**4.75**	**7.42**	**15.6**	**11**	**9.36**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		**82.6**	**101**	**738**	**213**	**353**	**214**	**144**	**118**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		**8.58**	**10.6**	**45.6**	**21.1**	**36.2**	**18.5**	**14.8**	**11.8**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		**306**	**438**	**5040**	**1460**	**1130**	**911**	**667**	**544**
Total Tetrachlorodibenzofuran (TCDF)		**34.9 J**	**32 J**	**12.6 J**	**32.8 J**	**36.9 J**	**110 J**	**109 J**	**81.5 J**
Total Pentachlorodibenzofuran (PeCDF)		**57.5 J**	**64.6 J**	**46.6 J**	**62.6 J**	**184 J**	**184 J**	**136 J**	**112 J**
Total Hexachlorodibenzofuran (HxCDF)		**139 J**	**185 J**	**715 J**	**302 J**	**646 J**	**336 J**	**254 J**	**203 J**
Total Heptachlorodibenzofuran (HpCDF)		**338 J**	**446 J**	**4850 J**	**1130**	**1420 J**	**864 J**	**625**	**509 J**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	2	**14.7258 J**	**17.6316 J**	**92.1379 J**	**26.5687 J**	**49.649 J**	**39.0588 J**	**30.6579 J**	**28.9287 J**

Table 7-7g
Surface Sediment Results: Dioxin/Furans

Notes:
Detected concentration is greater than the sediment screening level
Non-detected concentration is above the sediment screening level
Bold = Detected result
cm = centimeter
FD = field duplicate
J = estimated value
N = normal sample
ng/kg = nanograms per kilogram
TEQ = Toxic Equivalents Quotient
U = compound analyzed, but not detected above detection limit

Table 7-8a
Subsurface Sediment Results: Conventionals and Grain Size

	Location ID	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-05	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-02_1312
	Depth	0 – 2 ft	0 – 2 ft	0 – 1.8 ft	0 – 2 ft	0 – 2 ft	10 – 11 ft	2 – 4 ft	4 – 6 ft	4 – 6 ft	6.5 – 8.5 ft	0 – 2 ft
	Sample ID	DSIMR-SB-01-0-2	DSIMR-SB-02-0-2	DSIMR-SB-03-0-1.8	DSIMR-SB-05-0-2	DSIP2-SB-01b-0-2	DSIP2-SB-01b-10-11	DSIP2-SB-01b-2-4	DSIP2-SB-01b-4-6	DSIP2-SB-51B-4-6	DSIP2-SB-01b-6.5-8.5	DSIP2-SB-02-0-2
	Sample Date	7/23/2013	7/24/2013	7/24/2013	7/23/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/13/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N	N
	X	1268066.22	1268066.94	1268069.67	1268029.81	1268348.79	1268348.79	1268348.79	1268348.79	1268348.79	1268348.79	1268373.50
	Y	204393.09	204421.57	204454.65	204601.34	204095.62	204095.62	204095.62	204095.62	204095.62	204095.62	204254.08
	Screening Level											
Conventional Parameters (pct)												
Moisture (water) content		**19.73**	**30.53**	**50.45**	**24.72**	**96.11**	**31.2**	**82.39**	**90.55**	**91.5**	**72.4**	**81.65**
Total organic carbon		**1.22**	**1.79 J**	**1.14 J**	**1.78**	**2.65**	**0.791**	**3.24**	**1.61**	**1.91**	**2.26**	**3.03 J**
Total solids		**84.17**	**76.63**	**67.2**	**76.22**	**53.45**	**74.85**	**55.07**	**52.79**	**53.04**	**58.74**	**55.59**
Total volatile solids		**1.14**	**1.42**	**3.68**	**1.39**	**7.54**	**2.12**	**6.75**	**7.18**	**6.8**	**6.74**	**7.35**
Grain Size (pct)												
Percent retained 1.3 micron sieve		0.1 U	**0.4**	**6**	**0.8**	**7.3**	**0.9**	**6.8**	**13.8**	--	**8.9**	**6.9**
Percent retained 3.2 micron sieve		**0.9**	**0.4**	**4.3**	**0.8**	**11.9**	**2.7**	**11.8**	**15.5**	--	**12.1**	**9.2**
Percent retained 7 micron sieve		**0.9**	**0.8**	**4.3**	**1.6**	**9.2**	**0.9**	**13.5**	**6.9**	--	**8.1**	**6.2**
Percent retained 9 micron sieve		0.1 U	**0.4**	**7.7**	**0.8**	**5.5**	**1.8**	**5.9**	**6.9**	--	**9.7**	**4.6**
Percent retained 13 micron sieve		**0.5**	**1.2**	**6.8**	0.1 U	**11**	**2.7**	**12.7**	**12.9**	--	**15.3**	**18.5**
Percent retained 22 micron sieve		**0.9**	**0.8**	**8.6**	**0.4**	**9.2**	**4**	**13.5**	**6.9**	--	**11.3**	**6.2**
Percent retained 32 micron sieve		**3.5**	**2.2**	**12.8**	**2.2**	**31.2**	**23.9**	**21.8**	**13.9**	--	**21.7**	**18.6**
Percent retained 75 micron sieve (#200)		**9.5**	**5.8**	**22.4**	**3.1**	**6.1**	**34.7**	**5**	**2.3**	--	**4.4**	**9.6**
Percent retained 150 micron sieve (#100)		**17.2**	**11.9**	**9.9**	**8.5**	**1**	**19.8**	**0.6**	**0.5**	--	**0.6**	**3.1**
Percent retained 250 micron sieve (#60)		**30.6**	**26.4**	**6.1**	**23**	**0.1**	**4.9**	**0.4**	**0.4**	--	**0.4**	**2.8**
Percent retained 425 micron sieve (#40)		**25.9**	**30.5**	**4.7**	**41.7**	**0.4**	**0.5**	**0.3**	**0.2**	--	**0.2**	**2.3**
Percent retained 850 micron sieve (#20)		**7.6**	**13.7**	**2.2**	**11.2**	**0.6**	**0.1**	**0.1**	0.1 U	--	**0.1**	**1.3**
Percent retained 2,000 micron sieve (#10)		**0.8**	**2.1**	**0.5**	**1.9**	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	**0.6**
Percent retained 4,750 micron sieve (#4)		**0.4**	**2.3**	**0.2**	**1.2**	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	**0.9**
Percent retained 9,500 micron sieve		0.1 U	**0.2**	0.1 U	**0.8**	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Percent retained 12,500 micron sieve		**0.3**	0.1 U	0.1 U	**1.2**	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Percent retained 19,000 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Percent retained 25K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Percent retained 37.5K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Percent retained 50K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Percent retained 75K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Percent passing < 1.3 micron sieve		**0.9**	**0.8**	**3.4**	**0.8**	**6.4**	**3.1**	**7.6**	**19.8**	--	**7.3**	**9.2**

Table 7-8a
Subsurface Sediment Results: Conventionals and Grain Size

	Location ID	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312
	Depth	2 – 4 ft	4 – 6 ft	6.7 – 8.7 ft	9.5 – 11.3 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9.5 – 11.5 ft	0 – 2 ft	2 – 4 ft
	Sample ID	DSIP2-SB-02-2-4	DSIP2-SB-02-4-6	DSIP2-SB-02-6.7-8.7	DSIP2-SB-02-9.5-11.3	DSIP2-SB-03-0-2	DSIP2-SB-03-2-4	DSIP2-SB-03-4-6	DSIP2-SB-03-6-8	DSIP2-SB-03-9.5-11.5	DSIP2-SB-04-0-2	DSIP2-SB-04-2-4
	Sample Date	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/14/2013	12/14/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N
	X	1268373.50	1268373.50	1268373.50	1268373.50	1268353.78	1268353.78	1268353.78	1268353.78	1268353.78	1268312.94	1268312.94
	Y	204254.08	204254.08	204254.08	204254.08	204333.70	204333.70	204333.70	204333.70	204333.70	204461.82	204461.82
	Screening Level											
Conventional Parameters (pct)												
Moisture (water) content		**76.13**	**65.68**	**50.16**	**27.3**	**79.55**	**76**	**72.71**	**66.46**	**29.84**	**85.23**	**80.3**
Total organic carbon		**1.98 J**	**2.53 J**	**2.13 J**	**0.429 J**	**2.7 J**	**1.88 J**	**2.29 J**	**2.84 J**	**0.396 J**	**2.32**	**2.13**
Total solids		**54.55**	**56.53**	**64.33**	**78.36**	**56.83**	**56.07**	**57.63**	**56.84**	**77.24**	**54.97**	**55.06**
Total volatile solids		**6.72**	**6.73**	**4.98**	**1.69**	**7.12**	**6.42**	**6.52**	**4.5**	**1.77**	**7.08**	**6.25**
Grain Size (pct)												
Percent retained 1.3 micron sieve		**8.2**	**8**	**5**	**0.5**	**6.1**	**9.4**	**6.3**	**6.2**	**1.1**	**8**	**7.9**
Percent retained 3.2 micron sieve		**13.4**	**10.1**	**7.2**	**2.2**	**10.7**	**15.7**	**10.8**	**10.8**	**1.1**	**14.3**	**14.3**
Percent retained 7 micron sieve		**7.5**	**8.7**	**5.5**	**1.6**	**7.6**	**4.7**	**5.4**	**6.2**	0.1 U	**6.4**	**4.8**
Percent retained 9 micron sieve		**6**	**4.3**	**4.4**	**1.6**	**7.6**	**7.8**	**8.1**	**9.3**	**1.1**	**6.4**	**7.9**
Percent retained 13 micron sieve		**14.9**	**15.9**	**14.4**	**5.5**	**9.2**	**12.6**	**15.3**	**13.9**	**3.2**	**15.9**	**19**
Percent retained 22 micron sieve		**7.5**	**7.2**	**7.7**	**6.6**	**13.7**	**7.8**	**11.7**	**10.8**	**9.5**	**8**	**6.3**
Percent retained 32 micron sieve		**15.1**	**18**	**22.6**	**26.8**	**20.4**	**15.8**	**20.7**	**21.8**	**17.6**	**21.4**	**20**
Percent retained 75 micron sieve (#200)		**3.9**	**6**	**16.9**	**33**	**7.6**	**4.1**	**3.7**	**6.3**	**44.7**	**5.5**	**3.7**
Percent retained 150 micron sieve (#100)		**1.2**	**2.6**	**5.7**	**14.8**	**2.2**	**1.3**	**1.7**	**1.7**	**15.7**	**1.7**	**2**
Percent retained 250 micron sieve (#60)		**1.7**	**4.5**	**1**	**2.7**	**2**	**1.8**	**3.2**	**0.6**	**2.3**	**1.9**	**4.2**
Percent retained 425 micron sieve (#40)		**1.4**	**4.2**	**0.4**	**0.3**	**1.5**	**1.5**	**2.9**	**0.4**	**0.2**	**1.7**	**2.8**
Percent retained 850 micron sieve (#20)		**0.4**	**1.2**	**0.2**	**0.1**	**0.7**	**0.4**	**1**	**0.4**	**0.1**	**0.8**	**0.6**
Percent retained 2,000 micron sieve (#10)		**0.2**	**0.5**	**0.1**	0.1 U	**0.4**	0.1 U	**0.1**	0.1 U	0.1 U	**0.2**	**0.2**
Percent retained 4,750 micron sieve (#4)		**5.4**	0.1 U	0.1 U	0.1 U	**0.3**	**0.7**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 9,500 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 12,500 micron sieve		0.1 U	0.1 U	**0.7**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 19,000 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 25K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 37.5K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 50K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 75K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent passing < 1.3 micron sieve		**13.4**	**8.7**	**8.3**	**4.4**	**9.9**	**16.5**	**9**	**11.6**	**3.7**	**8**	**6.3**

Table 7-8a
Subsurface Sediment Results: Conventionals and Grain Size

	Location ID	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-06_1312
	Depth	5 – 7 ft	7.5 – 9.5 ft	7.5 – 9.5 ft	9.5 – 11.5 ft	0 – 2 ft	0 – 2 ft	10 – 12 ft	4 – 6 ft	6.7 – 8.7 ft	0 – 2 ft
	Sample ID	DSIP2-SB-04-5-7	DSIP2-SB-04-7.5-9.5	DSIP2-SB-54-7.5-9.5	DSIP2-SB-04-9.5-11.5	DSIP2-SB-05-0-2	DSIP2-SB-05-2-4	DSIP2-SB-05-10-12	DSIP2-SB-05-4-6	DSIP2-SB-05-6.7-8.7	DSIP2-SB-06-0-2
	Sample Date	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/16/2013
	Sample Type	N	N	FD	N	N	N	N	N	N	N
	X	1268312.94	1268312.94	1268312.94	1268312.94	1268262.71	1268262.71	1268262.71	1268262.71	1268262.71	1268218.43
	Y	204461.82	204461.82	204461.82	204461.82	204583.57	204583.57	204583.57	204583.57	204583.57	204716.63
Screening Level											
Conventional Parameters (pct)											
Moisture (water) content		**60.38**	**28.06**	**28.7**	**28.62**	**72.05**	**72.08**	**31.29**	**62.25**	**37.74**	**80.87**
Total organic carbon		**1.43**	**0.214**	**0.218**	**0.373**	**2.68 J**	**2.15 J**	**0.042 J**	**1.84 J**	**0.767 J**	**2.49**
Total solids		**65.88**	**77.87**	**77**	**76.19**	**57.3**	**56.38**	**77.35**	**60.82**	**75.33**	**55.2**
Total volatile solids		**4.28**	**1.2**	**1.58**	**1.68**	**7.03**	**5.99**	**1.78**	**6.06**	**2.45**	**7.18**
Grain Size (pct)											
Percent retained 1.3 micron sieve		**5.9**	**0.9**	0.1 U	**1.1**	**6.2**	**7.1**	**1.8**	**7.9**	**2.3**	**8.5**
Percent retained 3.2 micron sieve		**8.9**	**0.9**	**1.9**	**2.2**	**12.5**	**12.6**	**2.4**	**11**	**4.5**	**12.3**
Percent retained 7 micron sieve		**4.4**	**0.9**	**1**	**2.2**	**6.2**	**6.3**	**1.2**	**9.4**	**4.5**	**6.6**
Percent retained 9 micron sieve		**5.9**	**0.9**	**1**	**2.2**	**6.2**	**6.3**	**2.4**	**7.9**	**4.5**	**7.6**
Percent retained 13 micron sieve		**10.3**	**1.7**	**1**	**3.3**	**15.6**	**14.1**	**6**	**12.6**	**5.7**	**12.3**
Percent retained 22 micron sieve		**10.3**	**1.7**	**1**	**6.7**	**9.4**	**11**	**4.8**	**11**	**7.9**	**9.5**
Percent retained 32 micron sieve		**23.8**	**12.7**	**14**	**24.6**	**20.6**	**11.9**	**25.3**	**21.1**	**24.7**	**21.3**
Percent retained 75 micron sieve (#200)		**19.1**	**37.5**	**38**	**32.9**	**7.4**	**4.4**	**24.6**	**5.9**	**26.5**	**7.1**
Percent retained 150 micron sieve (#100)		**5.9**	**32.7**	**31.3**	**16.5**	**1.9**	**2.6**	**15.7**	**1.4**	**9.3**	**2.1**
Percent retained 250 micron sieve (#60)		**1.3**	**8.3**	**8.6**	**5.9**	**1.5**	**4.7**	**7.9**	**0.6**	**1.6**	**1.8**
Percent retained 425 micron sieve (#40)		**0.6**	**1.1**	**1.2**	**1**	**1.3**	**4.2**	**2.2**	**0.6**	**0.4**	**1.2**
Percent retained 850 micron sieve (#20)		**0.4**	**0.2**	**0.2**	**0.2**	**0.7**	**1.5**	**0.7**	**0.4**	**0.1**	**0.8**
Percent retained 2,000 micron sieve (#10)		**0.1**	**0.1**	0.1 U	0.1 U	**0.2**	**0.6**	**0.2**	**0.1**	0.1 U	**0.2**
Percent retained 4,750 micron sieve (#4)		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.4**	0.1 U	0.1 U	0.1 U	**0.1**
Percent retained 9,500 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 12,500 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 19,000 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 25K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 37.5K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 50K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 75K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent passing < 1.3 micron sieve		**3**	**0.9**	**1**	**1.1**	**10.1**	**12.6**	**4.8**	**10.2**	**7.9**	**8.5**

Table 7-8a
Subsurface Sediment Results: Conventionals and Grain Size

	Location ID	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312
	Depth	2 – 4 ft	2 – 4 ft	5 – 7 ft	8 – 10 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft	9 – 11 ft	0 – 2 ft	2.5 – 4.5 ft
	Sample ID	DSIP2-SB-06-2-4	DSIP2-SB-56-2-4	DSIP2-SB-06-5-7	DSIP2-SB-06-8-10	DSIP2-SB-07-0-2	DSIP2-SB-07-2-4	DSIP2-SB-07-4.5-6.5	DSIP2-SB-07-7-9	DSIP2-SB-07-9-11	DSIP2-SB-08-0-2	DSIP2-SB-08-2.5-4.5
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	FD	N	N	N	N	N	N	N	N	N
	X	1268218.43	1268218.43	1268218.43	1268218.43	1268157.39	1268157.39	1268157.39	1268157.39	1268157.39	1268132.63	1268132.63
	Y	204716.63	204716.63	204716.63	204716.63	204828.25	204828.25	204828.25	204828.25	204828.25	204932.41	204932.41
	Screening Level											
Conventional Parameters (pct)												
Moisture (water) content		**75.89**	**87.45**	**64.6**	**30.91**	**84.35**	**71.78**	**32.54**	**21.9**	**31.71**	**86.15**	**84.48**
Total organic carbon		**1.74**	**1.89**	**1.44**	**0.477**	**2.49**	**1.94**	**0.819**	**0.24**	**0.195**	**2.49**	**1.88**
Total solids		**53.42**	**53.76**	**64.41**	**78.51**	**55.29**	**56.54**	**75.54**	**81.83**	**76.69**	**55.14**	**53.89**
Total volatile solids		**6.62**	**6.63**	**4.37**	**1.41**	**6.6**	**5.94**	**1.91**	**1.28**	**1.26**	**6.92**	**6.62**
Grain Size (pct)												
Percent retained 1.3 micron sieve		**11.2**	--	**7.9**	**1**	**7.8**	**6.9**	**3.2**	**1.5**	0.1 U	**7.8**	**12**
Percent retained 3.2 micron sieve		**15.9**	--	**7.9**	**1**	**12.6**	**13.9**	**3.2**	**2**	**1.3**	**12.4**	**15.4**
Percent retained 7 micron sieve		**8.4**	--	**6.3**	**2**	**6.3**	**7.7**	**3.2**	**2**	**1.3**	**7.8**	**6.8**
Percent retained 9 micron sieve		**5.6**	--	**4.7**	**1**	**6.3**	**7.7**	**2.1**	**1**	**0.4**	**7**	**7.7**
Percent retained 13 micron sieve		**11.2**	--	**9.5**	**1**	**15.7**	**12.3**	**5.3**	**5.1**	**1.3**	**14.8**	**14.5**
Percent retained 22 micron sieve		**9.3**	--	**9.5**	**5**	**12.6**	**10.8**	**3.7**	**7.1**	**3**	**9.3**	**7.7**
Percent retained 32 micron sieve		**15.8**	--	**18.8**	**9.7**	**23.1**	**19.5**	**8.8**	**15.1**	**10.7**	**17.4**	**14.3**
Percent retained 75 micron sieve (#200)		**4.1**	--	**14.9**	**31**	**5.5**	**4.2**	**17.9**	**26.8**	**34.8**	**6.3**	**3.9**
Percent retained 150 micron sieve (#100)		**1.3**	--	**9**	**30.8**	**1.6**	**2.4**	**28.3**	**21.9**	**35.2**	**2.2**	**1.1**
Percent retained 250 micron sieve (#60)		**1.8**	--	**2.8**	**11.2**	**1.6**	**3.4**	**16.3**	**10.1**	**8.7**	**2.5**	**1.3**
Percent retained 425 micron sieve (#40)		**1.6**	--	**0.6**	**3.4**	**1.3**	**2.6**	**4.6**	**3.1**	**0.5**	**1.6**	**0.9**
Percent retained 850 micron sieve (#20)		**0.5**	--	**0.1**	**0.6**	**0.6**	**0.8**	**1**	**0.7**	**0.1**	**0.7**	**0.3**
Percent retained 2,000 micron sieve (#10)		**0.1**	--	0.1 U	**0.1**	**0.3**	**0.2**	**0.3**	**0.2**	0.1 U	**0.4**	**0.3**
Percent retained 4,750 micron sieve (#4)		0.1 U	--	0.1 U	0.1 U	0.1 U	**0.2**	0.1 U	0.1 U	0.1 U	**0.4**	0.1 U
Percent retained 9,500 micron sieve		0.1 U	--	0.1 U	0.1 U	0.1 U	**0.6**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 12,500 micron sieve		0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**1.8**	0.1 U	0.1 U	0.1 U
Percent retained 19,000 micron sieve		0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 25K micron sieve		0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 37.5K micron sieve		0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 50K micron sieve		0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 75K micron sieve		0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent passing < 1.3 micron sieve		**13.1**	--	**7.9**	**2**	**4.7**	**6.9**	**2.1**	**1.5**	**2.6**	**9.3**	**13.7**

Table 7-8a
Subsurface Sediment Results: Conventionals and Grain Size

	Location ID	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312
	Depth	4.5 – 6.5 ft	6.5 – 8.5 ft	8.5 – 10.4 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	8.3 – 10.3 ft	0.5 – 2.5 ft	11.3 – 12.9 ft
	Sample ID	DSIP2-SB-08-4.5-6.5	DSIP2-SB-08-6.5-8.5	DSIP2-SB-08-8.5-10.4	DSIP2-SB-09-0-2	DSIP2-SB-09-2-4	DSIP2-SB-09-4-6	DSIP2-SB-09-6-8	DSIP2-SB-09-8.3-10.3	DSIP2-SB-10-0.5-2.5	DSIP2-SB-10-11.3-12.9
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/17/2013	12/17/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268132.63	1268132.63	1268132.63	1268064.60	1268064.60	1268064.60	1268064.60	1268064.60	1268039.90	1268039.90
	Y	204932.41	204932.41	204932.41	205002.51	205002.51	205002.51	205002.51	205002.51	205120.11	205120.11
	Screening Level										
Conventional Parameters (pct)											
Moisture (water) content		**76.01**	**67.21**	**46.11**	**90.13**	**84.66**	**78.33**	**74.77**	**53.22**	**78.55**	**28.72**
Total organic carbon		**2.25**	**1.62**	**1.52**	**2.34**	**1.53**	**1.49**	**2.49**	**1.52**	**1.96**	**0.419**
Total solids		**57.43**	**58.89**	**66.69**	**54.71**	**53.97**	**58.46**	**56.37**	**65.39**	**57.95**	**78.18**
Total volatile solids		**6.85**	**6.98**	**5.02**	**6.91**	**6.3**	**5.87**	**7.36**	**5.02**	**5.52**	**1.55**
Grain Size (pct)											
Percent retained 1.3 micron sieve		**8.5**	**7.3**	**6.1**	**7.5**	**6.9**	**9.2**	**6.1**	**4.5**	**5.5**	**1**
Percent retained 3.2 micron sieve		**15.3**	**11.7**	**8.3**	**10.6**	**12.1**	**13.8**	**10.8**	**10.4**	**11.9**	**1**
Percent retained 7 micron sieve		**8.5**	**8**	**7.6**	**8.3**	**7.8**	**6.1**	**6.9**	**6**	**6.3**	**0.5**
Percent retained 9 micron sieve		**11.1**	**9.5**	**5.3**	**7.5**	**7.8**	**10.7**	**8.5**	**7.5**	**7.9**	**0.5**
Percent retained 13 micron sieve		**14.5**	**12.4**	**16.6**	**14.3**	**13.9**	**16.8**	**15.4**	**16.4**	**11.9**	**0.5**
Percent retained 22 micron sieve		**6.8**	**18.3**	**9.1**	**9.1**	**7.8**	**7.7**	**13.8**	**13.4**	**11.1**	**2**
Percent retained 32 micron sieve		**10.8**	**17.7**	**28.6**	**16.7**	**17.2**	**15.9**	**23**	**29.3**	**13.1**	**13.7**
Percent retained 75 micron sieve (#200)		**3.9**	**4.2**	**8.3**	**4.5**	**6.1**	**4.3**	**3**	**3.1**	**4.7**	**45.5**
Percent retained 150 micron sieve (#100)		**1.9**	**1**	**0.5**	**2.5**	**3.2**	**1.8**	**0.8**	**0.3**	**3.6**	**27.7**
Percent retained 250 micron sieve (#60)		**2.8**	**0.6**	**0.3**	**3.3**	**3.2**	**1.5**	**0.5**	**0.1**	**7.9**	**5.3**
Percent retained 425 micron sieve (#40)		**2**	**0.4**	**0.2**	**2.4**	**1.3**	**1**	**0.3**	**0.1**	**6.5**	**0.4**
Percent retained 850 micron sieve (#20)		**1.3**	**0.2**	**0.1**	**1**	**0.4**	**0.6**	**0.1**	0.1 U	**1.2**	**0.1**
Percent retained 2,000 micron sieve (#10)		**0.6**	0.1 U	0.1 U	**0.3**	**0.1**	**0.8**	**0.1**	0.1 U	**0.4**	0.1 U
Percent retained 4,750 micron sieve (#4)		**0.2**	0.1 U	0.1 U	0.1 U	0.1 U	**0.5**	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 9,500 micron sieve		0.1 U	0.1 U	0.1 U	**2.5**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 12,500 micron sieve		0.1 U	0.1 U	0.1 U	**0.4**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 19,000 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 25K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 37.5K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 50K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 75K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent passing < 1.3 micron sieve		**11.9**	**8.8**	**9.1**	**9.1**	**12.1**	**9.2**	**10.8**	**8.9**	**7.9**	**2**

Table 7-8a
Subsurface Sediment Results: Conventionals and Grain Size

	Location ID	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312
	Depth	2.5 – 4.5 ft	6 – 8 ft	9 – 11 ft	0 – 2 ft	10 – 12 ft	2 – 4 ft	4 – 6 ft	6.3 – 8.3 ft	0 – 2 ft	2 – 4 ft
	Sample ID	DSIP2-SB-10-2.5-4.5	DSIP2-SB-10-6-8	DSIP2-SB-10-9-11	DSIP2-SB-11-0-2	DSIP2-SB-11-10-12	DSIP2-SB-11-2-4	DSIP2-SB-11-4-6	DSIP2-SB-11-6.3-8.3	DSIP2-SB-12-0-2	DSIP2-SB-12-2-4
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/17/2013	12/17/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268039.90	1268039.90	1268039.90	1267949.10	1267949.10	1267949.10	1267949.10	1267949.10	1268085.51	1268085.51
	Y	205120.11	205120.11	205120.11	205009.33	205009.33	205009.33	205009.33	205009.33	204804.91	204804.91
	Screening Level										
Conventional Parameters (pct)											
Moisture (water) content		**77.35**	**65.66**	**45.1**	**98.23**	**30.7**	**66.07**	**68.68**	**45.53**	**78.32**	**73.98**
Total organic carbon		**1.54**	**2.62**	**1.52**	**1.76**	**0.958**	**3**	**1.58**	**2.41**	**2.37**	**2.19**
Total solids		**50.53**	**58.52**	**63.18**	**53.02**	**76.04**	**59.04**	**60.51**	**63.53**	**51.05**	**53.56**
Total volatile solids		**7.01**	**7.32**	**5.25**	**6.56**	**1.73**	**6.62**	**6.1**	**5.86**	**7.51**	**6.74**
Grain Size (pct)											
Percent retained 1.3 micron sieve		**15.4**	**7.8**	**6.4**	**11.4**	0.1 U	**5.8**	**7.7**	**5.2**	**8.8**	**7.8**
Percent retained 3.2 micron sieve		**17.3**	**12.5**	**6.4**	**11.4**	**2.6**	**8.8**	**10.8**	**6.5**	**10.4**	**11.7**
Percent retained 7 micron sieve		**7.7**	**6.3**	**6.4**	**8.1**	**1.7**	**11.7**	**6.1**	**5.2**	**11.2**	**10.9**
Percent retained 9 micron sieve		**8.7**	**11**	**8**	**6.5**	**1.7**	**7.3**	**10.8**	**6.5**	**8**	**8.6**
Percent retained 13 micron sieve		**5.8**	**12.5**	**7.2**	**14.6**	**2.6**	**11.7**	**13.8**	**7.8**	**11.2**	**10.1**
Percent retained 22 micron sieve		**3.9**	**9.4**	**12**	**4.9**	**5.1**	**8.8**	**10**	**7.8**	**8.8**	**10.9**
Percent retained 32 micron sieve		**10.1**	**19.5**	**32.2**	**17.6**	**16.5**	**18.3**	**20.5**	**8.7**	**20.1**	**17.7**
Percent retained 75 micron sieve (#200)		**3.2**	**6.3**	**12.2**	**4.7**	**37**	**7.2**	**3.9**	**6**	**5.4**	**5.8**
Percent retained 150 micron sieve (#100)		**1.5**	**2.8**	**0.4**	**2.2**	**24.5**	**3.5**	**2**	**4.9**	**2.8**	**3.6**
Percent retained 250 micron sieve (#60)		**1.9**	**1.5**	**0.3**	**2.1**	**3.8**	**3**	**1.6**	**5**	**2.8**	**3.1**
Percent retained 425 micron sieve (#40)		**1.1**	**0.6**	**0.3**	**1.2**	**0.2**	**2.1**	**1.2**	**7.7**	**1.5**	**1.7**
Percent retained 850 micron sieve (#20)		**0.3**	**0.3**	**0.1**	**0.8**	0.1 U	**0.8**	**0.6**	**7.5**	**0.9**	**1**
Percent retained 2,000 micron sieve (#10)		**0.1**	**0.1**	0.1 U	**0.8**	0.1 U	**0.6**	**0.9**	**6.3**	**0.2**	**0.1**
Percent retained 4,750 micron sieve (#4)		0.1 U	0.1 U	0.1 U	**0.7**	0.1 U	**1.8**	**0.8**	**4.5**	0.1 U	**0.7**
Percent retained 9,500 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**4.9**	0.1 U	0.1 U
Percent retained 12,500 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 19,000 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 25K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 37.5K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 50K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent retained 75K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Percent passing < 1.3 micron sieve		**23.1**	**9.4**	**8**	**13**	**4.3**	**8.8**	**9.2**	**5.2**	**8**	**6.2**

Table 7-8a
Subsurface Sediment Results: Conventionals and Grain Size

	Location ID	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSI-SB-01	DSI-SB-01	DSI-SB-01
	Depth	4.5 – 6.5 ft	6.5 – 8.5 ft	6.5 – 8.5 ft	8.5 – 10.3 ft	0.3 – 2.3 ft	2.3 – 4.3 ft	5 – 7.5 ft	8 – 10 ft	1 – 2 ft	2 – 3.1 ft	3.1 – 4 ft
	Sample ID	DSIP2-SB-12-4.5-6.5	DSIP2-SB-12-6.5-8.5	DSIP2-SB-62-6.5-8.5	DSIP2-SB-12-8.5-10.3	DSIP2-SB-14-0.3-2.3	DSIP2-SB-14-2.3-4.3	DSIP2-SB-14-5-7.5	DSIP2-SB-14-8-10	DSI-SB-01-1-2	DSI-SB-01-2-3.1	DSI-SB-01-3.1-4
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	3/10/2011	3/10/2011	3/10/2011
	Sample Type	N	N	FD	N	N	N	N	N	N	N	N
	X	1268085.51	1268085.51	1268085.51	1268085.51	1268107.89	1268107.89	1268107.89	1268107.89	1268042.69	1268042.69	1268042.69
	Y	204804.91	204804.91	204804.91	204804.91	204304.40	204304.40	204304.40	204304.40	204252.04	204252.04	204252.04
	Screening Level											
Conventional Parameters (pct)												
Moisture (water) content		**62.82**	**77.76**	**75.08**	**36.21**	**81.95**	**72.71**	**29.75**	**28.26**	--	--	--
Total organic carbon		**1.7**	**1.96**	**2.18**	**0.455**	**2.63**	**2.08**	**0.175**	**0.308**	**1.7**	**1.26**	**0.498 J**
Total solids		**57.36**	**53.79**	**54.08**	**75.91**	**48.85**	**56.72**	**77.95**	**75.4**	**54.9**	**70.2**	**78.1**
Total volatile solids		**6.18**	**6.7**	**6.69**	**1.57**	**7.91**	**6.04**	**1.06**	**1.63**	--	--	--
Grain Size (pct)												
Percent retained 1.3 micron sieve		**13.2**	**6.8**	**6.4**	**1.4**	**8.2**	**8**	0.1 U	**1.3**	--	--	--
Percent retained 3.2 micron sieve		**15.1**	**12.8**	**12.7**	**1.4**	**11.5**	**10.4**	**0.4**	**2.2**	--	--	--
Percent retained 7 micron sieve		**5.7**	**7.7**	**8**	**1.8**	**9.8**	**8.8**	**0.4**	**0.9**	--	--	--
Percent retained 9 micron sieve		**11.3**	**10.3**	**6.4**	0.1 U	**8.2**	**8**	**0.9**	**2.7**	--	--	--
Percent retained 13 micron sieve		**6.6**	**15.4**	**17.5**	**2.7**	**14**	**12.7**	**0.9**	**8.1**	--	--	--
Percent retained 22 micron sieve		**4.7**	**10.3**	**8**	**2.7**	**10.7**	**8**	**2.2**	**6.3**	--	--	--
Percent retained 32 micron sieve		**10.8**	**14.5**	**18**	**11.9**	**20.7**	**13.3**	**7.5**	**24.7**	--	--	--
Percent retained 75 micron sieve (#200)		**2.5**	**6.3**	**6.8**	**34**	**3.1**	**4.5**	**33.2**	**33.8**	--	--	--
Percent retained 150 micron sieve (#100)		**1.6**	**5**	**5.5**	**30.8**	**1.1**	**4.5**	**40.8**	**13.7**	--	--	--
Percent retained 250 micron sieve (#60)		**1.4**	**2.2**	**3**	**9.2**	**1.5**	**6.7**	**11.5**	**2.6**	--	--	--
Percent retained 425 micron sieve (#40)		**2.1**	**0.9**	**1.8**	**1.2**	**0.8**	**6.5**	**0.4**	**0.1**	--	--	--
Percent retained 850 micron sieve (#20)		**3.7**	**0.9**	**0.9**	**0.2**	**1.2**	**1.9**	**0.1**	0.1 U	--	--	--
Percent retained 2,000 micron sieve (#10)		**0.3**	**0.1**	**0.1**	0.1 U	**0.6**	**0.6**	0.1 U	0.1 U	--	--	--
Percent retained 4,750 micron sieve (#4)		0.1 U	0.1 U	**0.2**	0.1 U	**1.7**	0.1 U	0.1 U	0.1 U	--	--	--
Percent retained 9,500 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	**0.3**	0.1 U	0.1 U	0.1 U	--	--	--
Percent retained 12,500 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--
Percent retained 19,000 micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--
Percent retained 25K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--
Percent retained 37.5K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--
Percent retained 50K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--
Percent retained 75K micron sieve		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--
Percent passing < 1.3 micron sieve		**20.8**	**6.8**	**4.8**	**2.7**	**6.6**	**6.4**	**1.7**	**3.6**	--	--	--

Table 7-8a
Subsurface Sediment Results: Conventionals and Grain Size

	Location ID	DSI-SB-01	DSI-SB-01	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-04
	Depth	5 – 6 ft	6 – 7 ft	1 – 2.3 ft	3.7 – 5.2 ft	5.2 – 7 ft	8.5 – 10 ft	1 – 2 ft	10.4 – 11.1 ft	11.1 – 11.6 ft	5.8 – 7 ft	9.5 – 10.4 ft	1 – 2 ft
	Sample ID	DSI-SB-01-5-6	DSI-SB-01-6-7	DSI-SB-02-1-2.3	DSI-SB-02-3.7-5.2	DSI-SB-02-5.2-7	DSI-SB-02-8.5-10	DSI-SB-03-1-2	DSI-SB-03-10.4-11.1	DSI-SB-03-11.1-11.6	DSI-SB-03-5.8-7	DSI-SB-03-9.5-10.4	DSI-SB-04-1-2
	Sample Date	3/10/2011	3/10/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/14/2011	3/14/2011	3/14/2011	3/14/2011	3/14/2011	3/9/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1268042.69	1268042.69	1268229.03	1268229.03	1268229.03	1268229.03	1268175.77	1268175.77	1268175.77	1268175.77	1268175.77	1268149.81
	Y	204252.04	204252.04	204122.15	204122.15	204122.15	204122.15	204299.56	204299.56	204299.56	204299.56	204299.56	204408.42
	Screening Level												
Conventional Parameters (pct)													
Moisture (water) content		--	--	--	--	--	--	--	--	--	--	--	--
Total organic carbon		**0.186**	**0.31 J**	**2.41**	**3.46**	**0.822 J**	**0.655**	**2.94**	**2.19**	**0.957**	**1.73**	**2.49**	**2.54**
Total solids		**79.6**	**76.9**	**48.6**	**59.8**	**74.2**	**78.1**	**49.8**	**60.4**	**78.4**	**74**	**70.2**	**50.9**
Total volatile solids		--	--	--	--	--	--	--	--	--	--	--	**8.54**
Grain Size (pct)													
Percent retained 1.3 micron sieve		--	--	**8.7**	--	--	**0.4**	**8.1**	--	--	--	--	--
Percent retained 3.2 micron sieve		--	--	**16.5**	--	--	**2.2**	**12.9**	--	--	--	--	--
Percent retained 7 micron sieve		--	--	**11.3**	--	--	**1.3**	**8.9**	--	--	--	--	--
Percent retained 9 micron sieve		--	--	**5.2**	--	--	**1.3**	**9.7**	--	--	--	--	--
Percent retained 13 micron sieve		--	--	**13.9**	--	--	**2.6**	**11.3**	--	--	--	--	--
Percent retained 22 micron sieve		--	--	**10.4**	--	--	**5.7**	**10.5**	--	--	--	--	--
Percent retained 32 micron sieve		--	--	**16.7**	--	--	**19.6**	**21.4**	--	--	--	--	--
Percent retained 75 micron sieve (#200)		--	--	**1.8**	--	--	**43.2**	**3.9**	--	--	--	--	--
Percent retained 150 micron sieve (#100)		--	--	**0.5**	--	--	**19**	**1.2**	--	--	--	--	--
Percent retained 250 micron sieve (#60)		--	--	**0.6**	--	--	**2**	**0.8**	--	--	--	--	--
Percent retained 425 micron sieve (#40)		--	--	**0.7**	--	--	**0.1**	**1**	--	--	--	--	--
Percent retained 850 micron sieve (#20)		--	--	**0.7**	--	--	0.1 U	**0.8**	--	--	--	--	--
Percent retained 2,000 micron sieve (#10)		--	--	**0.1**	--	--	0.1 U	**0.4**	--	--	--	--	--
Percent retained 4,750 micron sieve (#4)		--	--	0.1 U	--	--	0.1 U	**0.2**	--	--	--	--	--
Percent retained 9,500 micron sieve		--	--	0.1 U	--	--	0.1 U	**0.3**	--	--	--	--	--
Percent retained 12,500 micron sieve		--	--	0.1 U	--	--	0.1 U	0.1 U	--	--	--	--	--
Percent retained 19,000 micron sieve		--	--	0.1 U	--	--	0.1 U	0.1 U	--	--	--	--	--
Percent retained 25K micron sieve		--	--	0.1 U	--	--	0.1 U	0.1 U	--	--	--	--	--
Percent retained 37.5K micron sieve		--	--	0.1 U	--	--	0.1 U	0.1 U	--	--	--	--	--
Percent retained 50K micron sieve		--	--	0.1 U	--	--	0.1 U	0.1 U	--	--	--	--	--
Percent retained 75K micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent passing < 1.3 micron sieve		--	--	**13**	--	--	**2.6**	**8.9**	--	--	--	--	--

Table 7-8a
Subsurface Sediment Results: Conventionals and Grain Size

	Location ID	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-06	DSI-SB-06	DSI-SB-06
	Depth	4 – 5 ft	7 – 8.3 ft	8.3 – 9.3 ft	9.3 – 10.9 ft	1 – 2 ft	3 – 4 ft	6 – 7 ft	8 – 9.3 ft	9.3 – 11 ft	1 – 2 ft	5 – 6.5 ft	9.6 – 11 ft
	Sample ID	DSI-SB-04-4-5	DSI-SB-04-7-8.3	DSI-SB-04-8.3-9.3	DSI-SB-04-9.3-10.9	DSI-SB-05-1-2	DSI-SB-05-3-4	DSI-SB-05-6-7	DSI-SB-05-8-9.3	DSI-SB-05-9.3-11	DSI-SB-06-1-2	DSI-SB-06-5-6.5	DSI-SB-06-9.6-11
	Sample Date	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/11/2011	3/11/2011	3/11/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1268149.81	1268149.81	1268149.81	1268149.81	1268087.01	1268087.01	1268087.01	1268087.01	1268087.01	1268024.88	1268024.88	1268024.88
	Y	204408.42	204408.42	204408.42	204408.42	204645.92	204645.92	204645.92	204645.92	204645.92	204754.84	204754.84	204754.84
	Screening Level												
Conventional Parameters (pct)													
Moisture (water) content		--	--	--	--	--	--	--	--	--	--	--	--
Total organic carbon		**2.42**	**1.65**	**0.954 J**	**0.68**	**1.85**	**2.4 J**	**1.7**	**1.26**	**0.316 J**	**2.78**	**2.27**	**1.07**
Total solids		**54.6**	**69.7**	**79.2**	**75.8**	**52.7**	**61.3**	**70.7**	**74**	**72.9**	**52.1**	**59**	**76.6**
Total volatile solids		**7.24**	**3.51**	--	--	--	--	--	--	--	--	--	--
Grain Size (pct)													
Percent retained 1.3 micron sieve		--	--	**0.7**	--	--	**5**	--	--	**0.5**	--	--	--
Percent retained 3.2 micron sieve		--	--	**3.6**	--	--	**9.5**	--	--	**2**	--	--	--
Percent retained 7 micron sieve		--	--	**2.9**	--	--	**6.3**	--	--	**1.5**	--	--	--
Percent retained 9 micron sieve		--	--	**2.9**	--	--	**6.9**	--	--	**1.5**	--	--	--
Percent retained 13 micron sieve		--	--	**2.9**	--	--	**8.8**	--	--	**1**	--	--	--
Percent retained 22 micron sieve		--	--	**7.2**	--	--	**6.3**	--	--	**2**	--	--	--
Percent retained 32 micron sieve		--	--	**22.2**	--	--	**10.3**	--	--	**0.5**	--	--	--
Percent retained 75 micron sieve (#200)		--	--	**37.1**	--	--	**2.8**	--	--	**10.2**	--	--	--
Percent retained 150 micron sieve (#100)		--	--	**14.5**	--	--	**2**	--	--	**17.4**	--	--	--
Percent retained 250 micron sieve (#60)		--	--	**1.4**	--	--	**3.6**	--	--	**24.8**	--	--	--
Percent retained 425 micron sieve (#40)		--	--	**0.1**	--	--	**14.5**	--	--	**22.2**	--	--	--
Percent retained 850 micron sieve (#20)		--	--	**0.1**	--	--	**15.7**	--	--	**9.9**	--	--	--
Percent retained 2,000 micron sieve (#10)		--	--	**0.1**	--	--	**1.2**	--	--	**1.8**	--	--	--
Percent retained 4,750 micron sieve (#4)		--	--	0.1 U	--	--	**1.5**	--	--	**1.7**	--	--	--
Percent retained 9,500 micron sieve		--	--	0.1 U	--	--	0.1 U	--	--	**0.5**	--	--	--
Percent retained 12,500 micron sieve		--	--	0.1 U	--	--	0.1 U	--	--	0.1 U	--	--	--
Percent retained 19,000 micron sieve		--	--	0.1 U	--	--	0.1 U	--	--	0.1 U	--	--	--
Percent retained 25K micron sieve		--	--	0.1 U	--	--	0.1 U	--	--	0.1 U	--	--	--
Percent retained 37.5K micron sieve		--	--	0.1 U	--	--	0.1 U	--	--	0.1 U	--	--	--
Percent retained 50K micron sieve		--	--	0.1 U	--	--	0.1 U	--	--	0.1 U	--	--	--
Percent retained 75K micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent passing < 1.3 micron sieve		--	--	**4.3**	--	--	**5.7**	--	--	**2.5**	--	--	--

Table 7-8a
Subsurface Sediment Results: Conventionals and Grain Size

	Location ID	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-08	DSI-SB-08	DSI-SB-08	DSI-SB-08	DSI-SB-09	DSI-SB-09	DSI-SB-09
	Depth	1 – 2 ft	10.5 – 11.9 ft	11.9 – 12.3 ft	3.5 – 4.5 ft	6.5 – 7.5 ft	1 – 2 ft	12 – 13.3 ft	4 – 5 ft	7 – 8.7 ft	1 – 2 ft	11 – 12.1 ft	12.1 – 12.6 ft
	Sample ID	DSI-SB-07-1-2	DSI-SB-07-10.5-11.9	DSI-SB-07-11.9-12.3	DSI-SB-07-3.5-4.5	DSI-SB-07-6.5-7.5	DSI-SB-08-1-2	DSI-SB-08-12-13.3	DSI-SB-08-4-5	DSI-SB-08-7-8.7	DSI-SB-09-1-2	DSI-SB-09-11-12.1	DSI-SB-09-12.1-12.6
	Sample Date	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/10/2011	3/10/2011	3/10/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1267979.72	1267979.72	1267979.72	1267979.72	1267979.72	1268253.10	1268253.10	1268253.10	1268253.10	1268195.47	1268195.47	1268195.47
	Y	204866.56	204866.56	204866.56	204866.56	204866.56	204225.29	204225.29	204225.29	204225.29	204416.39	204416.39	204416.39
	Screening Level												
Conventional Parameters (pct)													
Moisture (water) content		--	--	--	--	--	--	--	--	--	--	--	--
Total organic carbon		**2.45**	**1.82**	**0.935**	**1.99**	**2.38**	**2.92**	**2.34**	**2.04**	**1.04**	**2.32**	**1.77**	**1.7**
Total solids		**53.5**	**54.6**	**76.9**	**48.4**	**60**	**54**	**67.2**	**53.3**	**73.2**	**50.5**	**71.5**	**70.9**
Total volatile solids		**7.5**	**7.94**	--	**11.14**	--	--	--	--	--	--	--	--
Grain Size (pct)													
Percent retained 1.3 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 3.2 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 7 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 9 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 13 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 22 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 32 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 75 micron sieve (#200)		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 150 micron sieve (#100)		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 250 micron sieve (#60)		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 425 micron sieve (#40)		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 850 micron sieve (#20)		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 2,000 micron sieve (#10)		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 4,750 micron sieve (#4)		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 9,500 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 12,500 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 19,000 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 25K micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 37.5K micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 50K micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 75K micron sieve		--	--	--	--	--	--	--	--	--	--	--	--
Percent passing < 1.3 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--

Table 7-8a
Subsurface Sediment Results: Conventionals and Grain Size

	Location ID	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-10	DSI-SB-10	DSI-SB-10	DSI-SB-10	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-12
	Depth	4.5 – 5.5 ft	8.5 – 10 ft	8.5 – 10 ft	1 – 2 ft	10 – 11 ft	5.5 – 7 ft	8.5 – 10 ft	1 – 2 ft	11 – 12.3 ft	11 – 12.3 ft	3.5 – 5 ft	8 – 8.9 ft	1 – 2 ft
	Sample ID	DSI-SB-09-4.5-5.5	DSI-SB-09-8.5-10	DSI-SB-59-8.5-10	DSI-SB-10-1-2	DSI-SB-10-10-11	DSI-SB-10-5.5-7	DSI-SB-10-8.5-10	DSI-SB-11-1-2	DSI-SB-11-11-12.3	DSI-SB-61-11-12.3	DSI-SB-11-3.5-5	DSI-SB-11-8-8.9	DSI-SB-12-1-2
	Sample Date	3/10/2011	3/10/2011	3/10/2011	3/14/2011	3/14/2011	3/14/2011	3/14/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/15/2011
	Sample Type	N	N	FD	N	N	N	N	N	N	FD	N	N	N
	X	1268195.47	1268195.47	1268195.47	1268117.63	1268117.63	1268117.63	1268117.63	1268162.52	1268162.52	1268162.52	1268162.52	1268162.52	1268029.86
	Y	204416.39	204416.39	204416.39	204532.11	204532.11	204532.11	204532.11	204544.00	204544.00	204544.00	204544.00	204544.00	204649.56
	Screening Level													
Conventional Parameters (pct)														
Moisture (water) content		--	--	--	--	--	--	--	--	--	--	--	--	--
Total organic carbon		**1.89**	**2.05**	**1.58**	**2.81**	**0.265**	**1.3**	**0.94**	**3.66**	**1.1**	**0.926**	**2.45**	**1.47**	**2.1**
Total solids		**61.7**	**59.3**	**61.2**	**48.8**	**77.6**	**71.5**	**74.9**	**51.3**	**70.6**	**71.6**	**51.5**	**65**	**75.6**
Total volatile solids		--	--	--	--	--	--	--	--	--	--	--	--	--
Grain Size (pct)														
Percent retained 1.3 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 3.2 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 7 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 9 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 13 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 22 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 32 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 75 micron sieve (#200)		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 150 micron sieve (#100)		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 250 micron sieve (#60)		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 425 micron sieve (#40)		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 850 micron sieve (#20)		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 2,000 micron sieve (#10)		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 4,750 micron sieve (#4)		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 9,500 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 12,500 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 19,000 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 25K micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 37.5K micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 50K micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent retained 75K micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent passing < 1.3 micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--

Table 7-8a
Subsurface Sediment Results: Conventionals and Grain Size

	Location ID	DSI-SB-12	DSI-SB-12	DSI-SB-12	DSI-SB-12	DSI-SB-13	DSI-SB-13	DSI-SB-13	DSI-SB-13	DSI-SB-14	DSI-SB-14	DSI-SB-15	DSI-SB-15	DSI-SB-16
	Depth	3 – 4.3 ft	4.3 – 5.8 ft	5.8 – 7.1 ft	8 – 9 ft	1 – 2 ft	3 – 4.1 ft	4.1 – 5 ft	5 – 6 ft	4 – 5 ft	9 – 10.5 ft	11.5 – 12.5 ft	4 – 5 ft	5 – 6.5 ft
	Sample ID	DSI-SB-12-3-4.3	DSI-SB-12-4.3-5.8	DSI-SB-12-5.8-7.1	DSI-SB-12-8-9	DSI-SB-13-1-2	DSI-SB-13-3-4.1	DSI-SB-13-4.1-5	DSI-SB-13-5-6	DSI-SB-14-4-5	DSI-SB-14-9-10.5	DSI-SB-15-11.5-12.5	DSI-SB-15-4-5	DSI-SB-16-5-6.5
	Sample Date	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/14/2011	3/14/2011	3/14/2011	3/14/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1268029.86	1268029.86	1268029.86	1268029.86	1267934.23	1267934.23	1267934.23	1267934.23	1268049.27	1268049.27	1268295.16	1268295.16	1268239.63
	Y	204649.56	204649.56	204649.56	204649.56	204726.81	204726.81	204726.81	204726.81	204899.27	204899.27	204244.97	204244.97	204430.38
	Screening Level													
Conventional Parameters (pct)														
Moisture (water) content		--	--	--	--	--	--	--	--	--	--	--	--	--
Total organic carbon		**1.44**	**1.17**	**1.42**	--	**2.05**	**1.95**	**0.126**	**0.111**	**2.14**	**2.05**	**2.25**	**2.22**	**2.1**
Total solids		**85**	**71.6**	**73.7**	--	**60**	**50.7**	**86.7**	**93.6**	**54.2**	**55.4**	**62.2**	**53.6**	**54.5**
Total volatile solids		--	--	--	--	--	--	--	--	--	--	--	--	--
Grain Size (pct)														
Percent retained 1.3 micron sieve		--	--	--	0.1 U	--	--	--	--	--	--	--	--	--
Percent retained 3.2 micron sieve		--	--	--	**0.9**	--	--	--	--	--	--	--	--	--
Percent retained 7 micron sieve		--	--	--	**0.9**	--	--	--	--	--	--	--	--	--
Percent retained 9 micron sieve		--	--	--	0.1 U	--	--	--	--	--	--	--	--	--
Percent retained 13 micron sieve		--	--	--	0.1 U	--	--	--	--	--	--	--	--	--
Percent retained 22 micron sieve		--	--	--	**0.9**	--	--	--	--	--	--	--	--	--
Percent retained 32 micron sieve		--	--	--	**1.2**	--	--	--	--	--	--	--	--	--
Percent retained 75 micron sieve (#200)		--	--	--	**16.3**	--	--	--	--	--	--	--	--	--
Percent retained 150 micron sieve (#100)		--	--	--	**46.9**	--	--	--	--	--	--	--	--	--
Percent retained 250 micron sieve (#60)		--	--	--	**28.5**	--	--	--	--	--	--	--	--	--
Percent retained 425 micron sieve (#40)		--	--	--	**2.3**	--	--	--	--	--	--	--	--	--
Percent retained 850 micron sieve (#20)		--	--	--	**0.2**	--	--	--	--	--	--	--	--	--
Percent retained 2,000 micron sieve (#10)		--	--	--	**0.1**	--	--	--	--	--	--	--	--	--
Percent retained 4,750 micron sieve (#4)		--	--	--	**0.1**	--	--	--	--	--	--	--	--	--
Percent retained 9,500 micron sieve		--	--	--	0.1 U	--	--	--	--	--	--	--	--	--
Percent retained 12,500 micron sieve		--	--	--	0.1 U	--	--	--	--	--	--	--	--	--
Percent retained 19,000 micron sieve		--	--	--	0.1 U	--	--	--	--	--	--	--	--	--
Percent retained 25K micron sieve		--	--	--	0.1 U	--	--	--	--	--	--	--	--	--
Percent retained 37.5K micron sieve		--	--	--	0.1 U	--	--	--	--	--	--	--	--	--
Percent retained 50K micron sieve		--	--	--	0.1 U	--	--	--	--	--	--	--	--	--
Percent retained 75K micron sieve		--	--	--	--	--	--	--	--	--	--	--	--	--
Percent passing < 1.3 micron sieve		--	--	--	**1.7**	--	--	--	--	--	--	--	--	--

Table 7-8a
Subsurface Sediment Results: Conventionals and Grain Size

	Location ID	**DSI-SB-16**	**DSI-SB-17**	**DSI-SB-17**
	Depth	**9.2 – 10.7 ft**	**5 – 6 ft**	**9.4 – 10.7 ft**
	Sample ID	**DSI-SB-16-9.2-10.7**	**DSI-SB-17-5-6**	**DSI-SB-17-9.4-10.7**
	Sample Date	**3/15/2011**	**3/16/2011**	**3/16/2011**
	Sample Type	**N**	**N**	**N**
	X	**1268239.63**	**1268158.30**	**1268158.30**
	Y	**204430.38**	**204671.15**	**204671.15**
	Screening Level			
Conventional Parameters (pct)				
Moisture (water) content		--	--	--
Total organic carbon		**1.87**	**2.07**	**2.19**
Total solids		**59.2**	**56.1**	**59.3**
Total volatile solids		--	--	--
Grain Size (pct)				
Percent retained 1.3 micron sieve		--	--	--
Percent retained 3.2 micron sieve		--	--	--
Percent retained 7 micron sieve		--	--	--
Percent retained 9 micron sieve		--	--	--
Percent retained 13 micron sieve		--	--	--
Percent retained 22 micron sieve		--	--	--
Percent retained 32 micron sieve		--	--	--
Percent retained 75 micron sieve (#200)		--	--	--
Percent retained 150 micron sieve (#100)		--	--	--
Percent retained 250 micron sieve (#60)		--	--	--
Percent retained 425 micron sieve (#40)		--	--	--
Percent retained 850 micron sieve (#20)		--	--	--
Percent retained 2,000 micron sieve (#10)		--	--	--
Percent retained 4,750 micron sieve (#4)		--	--	--
Percent retained 9,500 micron sieve		--	--	--
Percent retained 12,500 micron sieve		--	--	--
Percent retained 19,000 micron sieve		--	--	--
Percent retained 25K micron sieve		--	--	--
Percent retained 37.5K micron sieve		--	--	--
Percent retained 50K micron sieve		--	--	--
Percent retained 75K micron sieve		--	--	--
Percent passing < 1.3 micron sieve		--	--	--

Table 7-8a
Subsurface Sediment Results: Conventionals and Grain Size

Notes:
Bold = detected result
-- = not analyzed
FD = field duplicate
ft = foot
J = estimated value
N = normal sample
pct = percent
U = compound analyzed, but not detected above detection limit

Table 7-8b
Subsurface Sediment Results: Metals and TBT

	Location ID	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-05	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-02_1312
	Depth	0 – 2 ft	0 – 2 ft	0 – 1.8 ft	0 – 2 ft	0 – 2 ft	10 – 11 ft	2 – 4 ft	4 – 6 ft	4 – 6 ft	6.5 – 8.5 ft	0 – 2 ft
	Sample ID	DSIMR-SB-01-0-2	DSIMR-SB-02-0-2	DSIMR-SB-03-0-1.8	DSIMR-SB-05-0-2	DSIP2-SB-01b-0-2	DSIP2-SB-01b-10-11	DSIP2-SB-01b-2-4	DSIP2-SB-01b-4-6	DSIP2-SB-51B-4-6	DSIP2-SB-01b-6.5-8.5	DSIP2-SB-02-0-2
	Sample Date	7/23/2013	7/24/2013	7/24/2013	7/23/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/13/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N	N
	X	1268066.22	1268066.94	1268069.67	1268029.81	1268348.79	1268348.79	1268348.79	1268348.79	1268348.79	1268348.79	1268373.50
	Y	204393.09	204421.57	204454.65	204601.34	204095.62	204095.62	204095.62	204095.62	204095.62	204095.62	204254.08
	Screening Level											
Metals (mg/kg)												
Antimony		--	--	--	--	--	--	--	--	--	--	--
Arsenic	7	**1970**	**102 J**	**49.5 J**	**870**	**13.6**	**4.5**	**13.1**	**23.7**	**23.8**	**37.1**	**13.1**
Beryllium		--	--	--	--	--	--	--	--	--	--	--
Cadmium	5.1	**5**	**1.2**	**0.4**	**1.5**	**0.4**	**0.3**	**0.4**	**0.5**	**0.5**	**1**	**0.4**
Chromium	260	**111 J**	**63.4 J**	**26.4 J**	**69 J**	**30.4**	**16.5**	**30.8**	**23**	**23.3**	**37.9**	**29**
Chromium VI		0.475 U	0.518 UJ	0.584 UJ	0.517 U	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
Copper	390	**1630**	**1460**	**144**	**511**	**71.1**	**25.9**	**75.4**	**89**	**84**	**107**	**67.3**
Lead	450	**1380**	**477**	**86.8**	**694**	**31.9**	**14.2**	**40.6**	**59.5**	**55.8**	**111**	**30.4**
Mercury	0.41	**2.9**	**4.6**	**1.56**	**0.14**	**0.21**	**0.05**	**0.21**	**0.15**	**0.18**	**1.08**	**0.16 J**
Nickel		--	--	--	--	--	--	--	--	--	--	--
Selenium		--	--	--	--	--	--	--	--	--	--	--
Silver	6.1	**2**	**0.5**	0.3 U	0.9 U	0.4 UJ	**0.3 J**	**0.4 J**	**0.5 J**	**0.6 J**	**0.7 J**	**0.4 J**
Thallium		--	--	--	--	--	--	--	--	--	--	--
Zinc	410	**4930**	**1240**	**316**	**1760**	**130**	**52**	**134**	**169**	**173**	**222**	**139**
Organometallic Compounds (µg/kg)												
Tributyltin (ion)	73	**590**	**1100**	**66**	**1400**	**17**	3.5 U	**66**	**80**	**110**	**140**	**38**

Table 7-8b
Subsurface Sediment Results: Metals and TBT

		Location ID	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312
		Depth	2 – 4 ft	4 – 6 ft	6.7 – 8.7 ft	9.5 – 11.3 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9.5 – 11.5 ft	0 – 2 ft	2 – 4 ft
		Sample ID	DSIP2-SB-02-2-4	DSIP2-SB-02-4-6	DSIP2-SB-02-6.7-8.7	DSIP2-SB-02-9.5-11.3	DSIP2-SB-03-0-2	DSIP2-SB-03-2-4	DSIP2-SB-03-4-6	DSIP2-SB-03-6-8	DSIP2-SB-03-9.5-11.5	DSIP2-SB-04-0-2	DSIP2-SB-04-2-4
		Sample Date	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/14/2013	12/14/2013
		Sample Type	N	N	N	N	N	N	N	N	N	N	N
		X	1268373.50	1268373.50	1268373.50	1268373.50	1268353.78	1268353.78	1268353.78	1268353.78	1268353.78	1268312.94	1268312.94
		Y	204254.08	204254.08	204254.08	204254.08	204333.70	204333.70	204333.70	204333.70	204333.70	204461.82	204461.82
	Screening Level												
Metals (mg/kg)													
Antimony		--	--	--	--	--	--	--	--	--	--	--	
Arsenic	7	**20.2**	**17.8**	**9.3**	**2.7**	**11.8**	**27**	**19.7**	**13.7**	**2.6**	**16.3**	**17.5**	
Beryllium		--	--	--	--	--	--	--	--	--	--	--	
Cadmium	5.1	**0.6**	**0.8**	**0.8**	**0.1**	**0.4**	**0.7**	**1**	**1.2**	0.1 U	**0.5**	**0.9**	
Chromium	260	**28**	**34**	**29**	**10**	**30**	**28**	**35**	**36**	**10**	**35**	**35**	
Chromium VI		**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	
Copper	390	**95**	**77.3**	**51.3**	**15.6**	**60.4**	**109**	**82.3**	**74.8**	**17.9**	**83.3**	**74.4**	
Lead	450	**68.6**	**70.6**	**30.7**	**5.6**	**27.1**	**96.3**	**87.1**	**41.8**	**5.2**	**56 J**	**85.2 J**	
Mercury	0.41	**0.93 J**	**0.19 J**	**0.29 J**	**0.05 J**	**0.17 J**	**0.22 J**	**0.3 J**	**0.3 J**	**0.04 J**	**0.18**	**0.31**	
Nickel		--	--	--	--	--	--	--	--	--	--	--	
Selenium		--	--	--	--	--	--	--	--	--	--	--	
Silver	6.1	**0.7 J**	**0.7 J**	**0.7 J**	0.2 UJ	**0.4 J**	**0.8 J**	**0.8 J**	**0.9 J**	0.2 UJ	0.4 UJ	**0.6 J**	
Thallium		--	--	--	--	--	--	--	--	--	--	--	
Zinc	410	**161**	**151**	**93**	**30**	**120**	**208**	**169**	**123**	**30**	**238 J**	**168 J**	
Organometallic Compounds (µg/kg)													
Tributyltin (ion)	73	**190**	**79**	3.8 U	3.5 U	**19**	**190**	**66**	3.6 U	3.6 U	**93**	**61**	

Table 7-8b
Subsurface Sediment Results: Metals and TBT

	Location ID	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312
	Depth	5 – 7 ft	7.5 – 9.5 ft	7.5 – 9.5 ft	9.5 – 11.5 ft	0 – 2 ft	2 - 4 ft	10 – 12 ft	4 – 6 ft	6.7 – 8.7 ft	0 – 2 ft	2 – 4 ft
	Sample ID	DSIP2-SB-04-5-7	DSIP2-SB-04-7.5-9.5	DSIP2-SB-54-7.5-9.5	DSIP2-SB-04-9.5-11.5	DSIP2-SB-05-0-2	DSIP2-SB-05-2-4	DSIP2-SB-05-10-12	DSIP2-SB-05-4-6	DSIP2-SB-05-6.7-8.7	DSIP2-SB-06-0-2	DSIP2-SB-06-2-4
	Sample Date	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/16/2013	12/16/2013
	Sample Type	N	N	FD	N	N	N	N	N	N	N	N
	X	1268312.94	1268312.94	1268312.94	1268312.94	1268262.71	1268262.71	1268262.71	1268262.71	1268262.71	1268218.43	1268218.43
	Y	204461.82	204461.82	204461.82	204461.82	204583.57	204583.57	204583.57	204583.57	204583.57	204716.63	204716.63
	Screening Level											
Metals (mg/kg)												
Antimony		--	--	--	--	--	--	--	--	--	--	--
Arsenic	7	**8.9**	**1.6**	**1.5**	**2.3**	**17.5**	**21.5**	**2.7**	**15.2**	**4.5**	**14.9 J**	**13.2 J**
Beryllium		--	--	--	--	--	--	--	--	--	--	--
Cadmium	5.1	**0.9**	**0.1**	**0.2**	0.1 U	**0.5**	**0.9**	0.1 U	**1.3**	**0.3**	**0.3**	**0.6**
Chromium	260	**29.2**	**8**	**7.8**	**10.5**	**32**	**33**	**12**	**33**	**13**	**26.2**	**23.8**
Chromium VI		**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
Copper	390	**56.2**	**11**	**9.7**	**16.9**	**91.6**	**91**	**19.7**	**64.7**	**27.3**	**76.2**	**69.9**
Lead	450	**37.9 J**	**3.1 J**	**3.5 J**	**2.1 J**	**56.8**	**89**	**5.2**	**49.8**	**10.8**	**30**	**56.4**
Mercury	0.41	**0.26**	0.03 U	0.03 U	0.03 U	**0.22 J**	**0.3 J**	**0.02 J**	**0.31 J**	**0.04 J**	**0.17**	**0.17**
Nickel		--	--	--	--	--	--	--	--	--	--	--
Selenium		--	--	--	--	--	--	--	--	--	--	--
Silver	6.1	**0.7 J**	0.2 UJ	0.3 UJ	0.3 UJ	**0.5 J**	**0.8 J**	0.2 UJ	**0.9 J**	0.3 UJ	0.3 UJ	**0.5 J**
Thallium		--	--	--	--	--	--	--	--	--	--	--
Zinc	410	**99 J**	**23 J**	**20 J**	**26 J**	**155**	**178**	**34**	**134**	**45**	**134 J**	**129 J**
Organometallic Compounds (µg/kg)												
Tributyltin (ion)	73	3.6 U	3.6 U	3.5 U	3.6 U	**140**	**200**	3.6 U	3.6 U	3.7 U	**62**	**130**

Table 7-8b
Subsurface Sediment Results: Metals and TBT

	Location ID	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312
	Depth	2 – 4 ft	5 – 7 ft	8 – 10 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft	9 – 11 ft	0 – 2 ft	2.5 – 4.5 ft	4.5 – 6.5 ft
	Sample ID	DSIP2-SB-56-2-4	DSIP2-SB-06-5-7	DSIP2-SB-06-8-10	DSIP2-SB-07-0-2	DSIP2-SB-07-2-4	DSIP2-SB-07-4.5-6.5	DSIP2-SB-07-7-9	DSIP2-SB-07-9-11	DSIP2-SB-08-0-2	DSIP2-SB-08-2.5-4.5	DSIP2-SB-08-4.5-6.5
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	FD	N	N	N	N	N	N	N	N	N	N
	X	1268218.43	1268218.43	1268218.43	1268157.39	1268157.39	1268157.39	1268157.39	1268157.39	1268132.63	1268132.63	1268132.63
	Y	204716.63	204716.63	204716.63	204828.25	204828.25	204828.25	204828.25	204828.25	204932.41	204932.41	204932.41
	Screening Level											
Metals (mg/kg)												
Antimony		--	--	--	--	--	--	--	--	--	--	--
Arsenic	7	**14.2 J**	**7.8 J**	**2.2 J**	**12.4**	**25.3**	**3.2**	**1.7**	**1.3**	**13.9**	**16.2**	**33.3**
Beryllium		--	--	--	--	--	--	--	--	--	--	--
Cadmium	5.1	**0.6**	**0.7**	**0.2**	**0.5**	**0.9**	**0.2**	**0.2**	**0.1**	**0.4**	**0.6**	**1**
Chromium	260	**25.8**	**27.2**	**8.5**	**34**	**37**	**11.7**	**9.5**	**8.1**	**29.1**	**30**	**36.5**
Chromium VI		**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
Copper	390	**76.8**	**47.2**	**11.8**	**83.2**	**100**	**15.1**	**12.1**	**11.6**	**68.1**	**101**	**94.4**
Lead	450	**62.4**	**34.1**	**2.8**	**41.1 J**	**108 J**	**8.1 J**	**2 J**	**1.1**	**35**	**80.9**	**97.9**
Mercury	0.41	**0.17**	**0.21**	**0.06**	**0.26**	**0.29**	**0.16**	0.03 U	0.03 U	**0.17**	**0.21**	**0.39**
Nickel		--	--	--	--	--	--	--	--	--	--	--
Selenium		--	--	--	--	--	--	--	--	--	--	--
Silver	6.1	**0.5 J**	**0.6 J**	0.3 UJ	0.4 UJ	**0.7 J**	0.3 UJ	0.2 UJ	0.3 U	0.3 U	**0.6**	**0.7**
Thallium		--	--	--	--	--	--	--	--	--	--	--
Zinc	410	**138 J**	**85 J**	**21 J**	**146 J**	**218 J**	**36 J**	**25 J**	**17**	**129**	**193**	**200**
Organometallic Compounds (µg/kg)												
Tributyltin (ion)	73	**270**	**1.5 J**	3.6 U	**61**	**150**	3.7 U	3.4 U	3.7 U	**66**	**160**	**160**

Table 7-8b
Subsurface Sediment Results: Metals and TBT

	Location ID	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312
	Depth	6.5 – 8.5 ft	8.5 – 10.4 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	8.3 – 10.3 ft	0.5 – 2.5 ft	11.3 – 12.9 ft	2.5 – 4.5 ft	6 – 8 ft
	Sample ID	DSIP2-SB-08-6.5-8.5	DSIP2-SB-08-8.5-10.4	DSIP2-SB-09-0-2	DSIP2-SB-09-2-4	DSIP2-SB-09-4-6	DSIP2-SB-09-6-8	DSIP2-SB-09-8.3-10.3	DSIP2-SB-10-0.5-2.5	DSIP2-SB-10-11.3-12.9	DSIP2-SB-10-2.5-4.5	DSIP2-SB-10-6-8
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	N
	X	1268132.63	1268132.63	1268064.60	1268064.60	1268064.60	1268064.60	1268064.60	1268039.90	1268039.90	1268039.90	1268039.90
	Y	204932.41	204932.41	205002.51	205002.51	205002.51	205002.51	205002.51	205120.11	205120.11	205120.11	205120.11
	Screening Level											
Metals (mg/kg)												
Antimony		--	--	--	--	--	--	--	--	--	--	--
Arsenic	7	**14.3**	**7.7**	**20.7**	**21.7**	**40.2**	**15.6**	**8.2**	**22.3 J**	**1.8 J**	**14.8 J**	**17.6 J**
Beryllium		--	--	--	--	--	--	--	--	--	--	--
Cadmium	5.1	**1.4**	**0.2**	**0.5**	**0.7**	**1**	**1.6**	**0.2**	**0.8**	0.1 U	**0.5**	**2**
Chromium	260	**43.1**	**25**	**34**	**32**	**42.4**	**46**	**26**	**29.5**	**9**	**24**	**46.1**
Chromium VI		**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
Copper	390	**67.5**	**36.8**	**97.1**	**106**	**122**	**67.3**	**38**	**109**	**11.8**	**71**	**79.2**
Lead	450	**63.1**	**17.4**	**59.4**	**75.6**	**113**	**93.5**	**15.6**	**91.9**	**1.6**	**46.6**	**82.9**
Mercury	0.41	**0.45**	**0.14**	**0.2**	**0.21**	**0.47**	**0.42**	**0.13**	**0.21**	0.03 U	**0.22**	**0.54**
Nickel		--	--	--	--	--	--	--	--	--	--	--
Selenium		--	--	--	--	--	--	--	--	--	--	--
Silver	6.1	**0.9**	0.3 U	0.4 U	**0.5**	**0.8**	**1**	0.3 U	**0.5 J**	0.2 UJ	**0.5 J**	**1.2 J**
Thallium		--	--	--	--	--	--	--	--	--	--	--
Zinc	410	**149**	**68**	**188**	**195**	**230**	**163**	**72**	**191 J**	**20 J**	**122 J**	**164 J**
Organometallic Compounds (µg/kg)												
Tributyltin (ion)	73	3.6 U	3.6 U	**210**	**200**	**480**	3.7 U	3.7 U	**160**	3.5 U	**130**	3.6 U

Table 7-8b
Subsurface Sediment Results: Metals and TBT

	Location ID	DSIP2-SB-10_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312
	Depth	9 – 11 ft	0 – 2 ft	10 – 12 ft	2 – 4 ft	4 – 6 ft	6.3 – 8.3 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	6.5 – 8.5 ft	6.5 – 8.5 ft
	Sample ID	DSIP2-SB-10-9-11	DSIP2-SB-11-0-2	DSIP2-SB-11-10-12	DSIP2-SB-11-2-4	DSIP2-SB-11-4-6	DSIP2-SB-11-6.3-8.3	DSIP2-SB-12-0-2	DSIP2-SB-12-2-4	DSIP2-SB-12-4.5-6.5	DSIP2-SB-12-6.5-8.5	DSIP2-SB-62-6.5-8.5
	Sample Date	12/17/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N	FD
	X	1268039.90	1267949.10	1267949.10	1267949.10	1267949.10	1267949.10	1268085.51	1268085.51	1268085.51	1268085.51	1268085.51
	Y	205120.11	205009.33	205009.33	205009.33	205009.33	205009.33	204804.91	204804.91	204804.91	204804.91	204804.91
	Screening Level											
Metals (mg/kg)												
Antimony		--	--	--	--	--	--	--	--	--	--	--
Arsenic	7	**7 J**	**97.4**	**2**	**45.4**	**13.3**	**9.6**	**15.3 J**	**109 J**	**255 J**	**199 J**	**232 J**
Beryllium		--	--	--	--	--	--	--	--	--	--	--
Cadmium	5.1	**0.2**	**1**	0.1 U	**1.8**	**1.1**	**0.9**	**0.5**	**0.7**	**1.1**	**1.4**	**1.4**
Chromium	260	**21.1**	**45**	**10**	**57.4**	**43**	**34.2**	**31**	**44.2**	**30.9**	**53.7**	**52.7**
Chromium VI		**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
Copper	390	**36.2**	**284**	**14**	**152**	**81.8**	**56.9**	**96**	**261**	**355**	**344**	**328**
Lead	450	**10.3**	**193**	**1.7**	**245**	**51.8**	**42.7**	**48.5**	**152**	**206**	**391**	**338**
Mercury	0.41	**0.2**	**0.55**	0.02 U	**0.65**	**0.53**	**0.59**	**0.21**	**0.37**	**0.39**	**0.91**	**1.53**
Nickel		--	--	--	--	--	--	--	--	--	--	--
Selenium		--	--	--	--	--	--	--	--	--	--	--
Silver	6.1	0.3 UJ	**1**	0.3 U	**1.5**	**1.2**	**1.1**	0.4 UJ	**0.7 J**	**0.8 J**	**1.1 J**	**1.1 J**
Thallium		--	--	--	--	--	--	--	--	--	--	--
Zinc	410	**60 J**	**412**	**24**	**305**	**131**	**110**	**168 J**	**512 J**	**478 J**	**780 J**	**750 J**
Organometallic Compounds (µg/kg)												
Tributyltin (ion)	73	3.7 U	**1300**	3.6 U	**160**	3.5 U	3.8 U	**80**	**600**	**650**	**1000**	**1300**

Table 7-8b
Subsurface Sediment Results: Metals and TBT

	Location ID	DSIP2-SB-12_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSI-SB-01	DSI-SB-01	DSI-SB-01	DSI-SB-01	DSI-SB-01	DSI-SB-02	DSI-SB-02
	Depth	8.5 – 10.3 ft	0.3 – 2.3 ft	2.3 – 4.3 ft	5 – 7.5 ft	8 – 10 ft	1 – 2 ft	2 – 3.1 ft	3.1 – 4 ft	5 – 6 ft	6 – 7 ft	1 – 2.3 ft	3.7 – 5.2 ft
	Sample ID	DSIP2-SB-12-8.5-10.3	DSIP2-SB-14-0.3-2.3	DSIP2-SB-14-2.3-4.3	DSIP2-SB-14-5-7.5	DSIP2-SB-14-8-10	DSI-SB-01-1-2	DSI-SB-01-2-3.1	DSI-SB-01-3.1-4	DSI-SB-01-5-6	DSI-SB-01-6-7	DSI-SB-02-1-2.3	DSI-SB-02-3.7-5.2
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/11/2011	3/11/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1268085.51	1268107.89	1268107.89	1268107.89	1268107.89	1268042.69	1268042.69	1268042.69	1268042.69	1268042.69	1268229.03	1268229.03
	Y	204804.91	204304.40	204304.40	204304.40	204304.40	204252.04	204252.04	204252.04	204252.04	204252.04	204122.15	204122.15
	Screening Level												
Metals (mg/kg)													
Antimony		--	--	--	--	--	0.3 UJ	**0.5 J**	**0.4 J**	0.2 UJ	--	0.4 UJ	**2.4 J**
Arsenic	7	**10.6 J**	**17.7 J**	**47.8 J**	**3.7 J**	**2.2 J**	**36**	**95.3**	**13.9**	**6.3**	--	**16**	**330**
Beryllium		--	--	--	--	--	**0.5**	**0.4**	**0.1**	0.1 U	--	**0.4**	**0.5**
Cadmium	5.1	**0.2**	**0.4**	**0.5**	0.1 U	**0.2**	0.8 U	**0.9**	0.2 U	0.2 U	--	**0.7**	**1.6**
Chromium	260	**12.6**	**32**	**41.3**	**7.1**	**9.8**	**47**	**101**	**14.2**	**10.6**	--	**36**	**48.3**
Chromium VI		**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	--	**-- R**	--	**-- R**	**-- R**
Copper	390	**32.6**	**124**	**643**	**11.5**	**17.8**	**499**	**691**	**39.3**	**18.8**	--	**86.9 J**	**361 J**
Lead	450	**20.3**	**45.6**	**94.9**	**1.3**	**1.9**	**93**	**133**	**13**	**11**	--	**39**	**270**
Mercury	0.41	**0.06**	**0.23**	**0.27**	0.02 U	0.03 U	**0.16**	**0.33**	**-- R**	0.02 U	--	**0.18**	**0.91**
Nickel		--	--	--	--	--	**35**	**39**	**9**	**8**	--	**27**	**29**
Selenium		--	--	--	--	--	0.8 U	0.7 U	0.6 U	0.6 U	--	1 U	0.8 U
Silver	6.1	0.3 UJ	0.4 UJ	**0.6 J**	0.2 UJ	0.2 UJ	1 U	1 U	0.4 U	0.4 U	--	0.6 U	**0.8**
Thallium		--	--	--	--	--	0.3 U	0.3 U	0.2 U	0.2 U	--	0.4 U	**0.4**
Zinc	410	**45 J**	**178 J**	**398 J**	**18 J**	**24 J**	**354 J**	**1510 J**	**69**	**45 J**	--	**145 J**	**891 J**
Organometallic Compounds (µg/kg)													
Tributyltin (ion)	73	**5.2**	**87**	**2000**	**3.8**	**1.6 J**	**52**	**120**	**15**	**58 J**	3.5 U	**31**	**740**

Table 7-8b
Subsurface Sediment Results: Metals and TBT

	Location ID	DSI-SB-02	DSI-SB-02	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-05
	Depth	5.2 – 7 ft	8.5 – 10 ft	1 – 2 ft	10.4 – 11.1 ft	11.1 – 11.6 ft	5.8 – 7 ft	9.5 – 10.4 ft	1 – 2 ft	4 – 5 ft	7 – 8.3 ft	8.3 – 9.3 ft	9.3 – 10.9 ft	1 – 2 ft
	Sample ID	DSI-SB-02-5.2-7	DSI-SB-02-8.5-10	DSI-SB-03-1-2	DSI-SB-03-10.4-11.1	DSI-SB-03-11.1-11.6	DSI-SB-03-5.8-7	DSI-SB-03-9.5-10.4	DSI-SB-04-1-2	DSI-SB-04-4-5	DSI-SB-04-7-8.3	DSI-SB-04-8.3-9.3	DSI-SB-04-9.3-10.9	DSI-SB-05-1-2
	Sample Date	3/11/2011	3/11/2011	3/14/2011	3/14/2011	3/14/2011	3/14/2011	3/14/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/10/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
	X	1268229.03	1268229.03	1268175.77	1268175.77	1268175.77	1268175.77	1268175.77	1268149.81	1268149.81	1268149.81	1268149.81	1268149.81	1268087.01
	Y	204122.15	204122.15	204299.56	204299.56	204299.56	204299.56	204299.56	204408.42	204408.42	204408.42	204408.42	204408.42	204645.92
	Screening Level													
Metals (mg/kg)														
Antimony		0.3 UJ	0.2 UJ	0.4 UJ	**0.6 J**	**2.9 J**	**4.5 J**	**3.1 J**	0.4 UJ	0.3 UJ	**5 J**	**10 J**	0.3 UJ	**0.5 J**
Arsenic	7	**11.3**	**1.3**	**20.8**	**205**	**41.1 J**	**147**	**191**	**30.2**	**59.5**	**550**	**802**	**22.1 J**	**53.4**
Beryllium		**0.1**	0.1 U	**0.4**	**0.5**	0.1 U	**0.3**	**0.2**	**0.4**	**0.5**	**0.9**	**0.4**	0.1 U	**0.4**
Cadmium	5.1	**0.8**	0.2 U	**0.8**	**1.3**	0.2 U	**1.1**	**0.9**	**0.9**	**1.1**	**4**	**2.5**	0.3 U	**0.8**
Chromium	260	**24**	**8**	**40**	**49 J**	**10.5 J**	**67.9**	**64.5**	**44**	**67**	**223**	**98**	**12.9 J**	**45.2**
Chromium VI		--	**-- R**	**5.92**	--	--	0.538 U	0.563 U	**-- R**	**-- R**	**-- R**	--	--	**-- R**
Copper	390	**58.7**	**13.7 J**	**134**	**375 J**	**23.4 J**	**381**	**474**	**242**	**578**	**1740**	**1090**	**14.5 J**	**212**
Lead	450	**36**	2 U	**58**	**261 J**	**10 J**	**286**	**243**	**80**	**223**	**1340**	**740**	3 UJ	**79**
Mercury	0.41	**0.09 J**	0.02 U	**0.36 J**	**1.39 J**	**-- R**	**0.25 J**	**0.22 J**	**0.3**	**0.31**	**2.7**	**1.4 J**	**-- R**	**0.39**
Nickel		**11**	**5**	**27**	**25**	**7**	**28**	**17**	**29**	**37**	**69**	**44**	**10**	**29**
Selenium		0.6 U	0.6 U	1 U	0.8 UJ	0.6 U	0.6 U	0.7 U	1 U	0.9 U	0.7 U	**0.6**	0.6 U	0.9 U
Silver	6.1	**0.6**	0.4 U	0.6 U	1 U	0.4 U	**0.6**	**0.8**	0.6 U	1 U	**2**	**1.5**	0.4 U	0.6 U
Thallium		0.3 U	0.2 U	0.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.4 U	0.3 U	**0.3**	**0.5**	0.3 U	0.4 U
Zinc	410	**86**	**16 J**	**202**	**609 J**	**42 J**	**924**	**701**	**309 J**	**896 J**	**4110 J**	**2140**	**23 J**	**293 J**
Organometallic Compounds (µg/kg)														
Tributyltin (ion)	73	**3.5**	**22 J**	**62**	**3900**	**94 J**	**150**	**620**	**69**	**380**	**1500**	**710**	3.5 U	**50**

Table 7-8b
Subsurface Sediment Results: Metals and TBT

	Location ID	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-06	DSI-SB-06	DSI-SB-06	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-07
	Depth	3 – 4 ft	6 – 7 ft	8 – 9.3 ft	9.3 – 11 ft	1 – 2 ft	5 – 6.5 ft	9.6 – 11 ft	1 – 2 ft	10.5 – 11.9 ft	11.9 – 12.3 ft	3.5 – 4.5 ft	6.5 – 7.5 ft
	Sample ID	DSI-SB-05-3-4	DSI-SB-05-6-7	DSI-SB-05-8-9.3	DSI-SB-05-9.3-11	DSI-SB-06-1-2	DSI-SB-06-5-6.5	DSI-SB-06-9.6-11	DSI-SB-07-1-2	DSI-SB-07-10.5-11.9	DSI-SB-07-11.9-12.3	DSI-SB-07-3.5-4.5	DSI-SB-07-6.5-7.5
	Sample Date	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/11/2011	3/11/2011	3/11/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1268087.01	1268087.01	1268087.01	1268087.01	1268024.88	1268024.88	1268024.88	1267979.72	1267979.72	1267979.72	1267979.72	1267979.72
	Y	204645.92	204645.92	204645.92	204645.92	204754.84	204754.84	204754.84	204866.56	204866.56	204866.56	204866.56	204866.56
	Screening Level												
Metals (mg/kg)													
Antimony		**0.3 J**	0.3 UJ	**5.9 J**	0.3 UJ	0.4 UJ	**0.5 J**	0.3 UJ	0.4 UJ	0.3 UJ	0.2 UJ	**3.4 J**	0.3 UJ
Arsenic	7	**61.4**	**58**	**1290**	**18**	**43.3**	**36.3**	**6.2**	**25.6**	**12.9**	**3.3**	**346**	**19.9**
Beryllium		**0.5**	**0.7**	**0.7**	**0.1**	**0.4**	**0.4**	**0.1**	**0.5**	**0.4**	0.1 U	**0.5**	**0.4**
Cadmium	5.1	**0.8**	**2**	**4**	0.3 U	**1**	**1.7**	**0.4**	**0.8**	**1.3**	0.2 U	**2.1**	**2**
Chromium	260	**46**	**78**	**120**	**13.3**	**47 J**	**63.8**	**18.3**	**41.3**	**46**	**13.3 J**	**132**	**58.6 J**
Chromium VI		**--**	**-- R**	**-- R**	**--**	**--**	**-- R**	**-- R**	**-- R**	**-- R**	**--**	**-- R**	**--**
Copper	390	**783**	**1970**	**1460**	**19**	**292 J**	**250 J**	**32 J**	**190**	**72.6**	**36.1 J**	**487**	**191 J**
Lead	450	**77**	**150**	**1090**	**3**	**152 J**	**240**	**17**	**77**	**44**	**27 J**	**974**	**107 J**
Mercury	0.41	**0.24 J**	**0.21**	**3.3**	**-- R**	**0.37 J**	**1.07**	**0.15**	**0.31**	**0.69**	**0.35 J**	**1.32**	**1.15 J**
Nickel		**31**	**29**	**66**	**9**	**31**	**28**	**10**	**30**	**26**	**8**	**32**	**26**
Selenium		0.8 U	0.7 U	3 U	0.6 U	1 UJ	0.8 U	0.6 U	0.9 U	0.9 U	0.6 UJ	1 U	0.8 UJ
Silver	6.1	1 U	2 U	**2.7**	0.4 U	0.5 U	**1.4**	0.4 U	0.5 U	**1.2**	0.4 U	**1.4**	**3.7**
Thallium		0.3 U	0.3 U	**0.7**	0.3 U	0.4 U	0.3 U	0.3 U	0.4 U	0.3 U	0.2 U	0.4 U	0.3 U
Zinc	410	**396**	**1070 J**	**3590 J**	**29**	**499 J**	**337 J**	**46 J**	**249 J**	**118 J**	**41 J**	**857 J**	**213 J**
Organometallic Compounds (µg/kg)													
Tributyltin (ion)	73	**380**	**2400**	**1400**	**3.8**	**580**	**7.3**	3.4 U	**37**	3.5 U	3.4 U	**240**	3.6 U

Table 7-8b
Subsurface Sediment Results: Metals and TBT

	Location ID	DSI-SB-08	DSI-SB-08	DSI-SB-08	DSI-SB-08	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-10	DSI-SB-10	DSI-SB-10
	Depth	1 – 2 ft	12 – 13.3 ft	4 – 5 ft	7 – 8.7 ft	1 – 2 ft	11 – 12.1 ft	12.1 – 12.6 ft	4.5 – 5.5 ft	8.5 – 10 ft	8.5 – 10 ft	1 – 2 ft	10 – 11 ft	5.5 – 7 ft
	Sample ID	DSI-SB-08-1-2	DSI-SB-08-12-13.3	DSI-SB-08-4-5	DSI-SB-08-7-8.7	DSI-SB-09-1-2	DSI-SB-09-11-12.1	DSI-SB-09-12.1-12.6	DSI-SB-09-4.5-5.5	DSI-SB-09-8.5-10	DSI-SB-59-8.5-10	DSI-SB-10-1-2	DSI-SB-10-10-11	DSI-SB-10-5.5-7
	Sample Date	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/14/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N
	X	1268253.10	1268253.10	1268253.10	1268253.10	1268195.47	1268195.47	1268195.47	1268195.47	1268195.47	1268195.47	1268117.63	1268117.63	1268117.63
	Y	204225.29	204225.29	204225.29	204225.29	204416.39	204416.39	204416.39	204416.39	204416.39	204416.39	204532.11	204532.11	204532.11
	Screening Level													
Metals (mg/kg)														
Antimony		**0.4 J**	**1.8 J**	0.4 UJ	**2.2 J**	0.4 UJ	**5 J**	0.3 UJ	**1.6 J**	**4 J**	**2.4 J**	0.4 UJ	0.3 UJ	**157 J**
Arsenic	7	**53.1**	**342**	**28.7**	**454**	**16.3**	**791**	**15.8**	**566**	**965**	**760**	**36.7**	**11.9**	**919**
Beryllium		**0.4**	**0.6**	**0.5**	**0.8**	**0.4**	**0.7**	**0.2**	**0.7**	**0.5**	**0.4**	**0.4**	0.1 U	**0.5**
Cadmium	5.1	**0.9**	**2.2**	**0.9**	**2**	**0.8**	**3**	**1**	**3.2**	**3.9**	**4.1**	**0.9**	0.2 U	**3.1**
Chromium	260	**40.2**	**75**	**40 J**	**79**	**41**	**97**	**52.5 J**	**78**	**142 J**	**112 J**	**49**	**10.8**	**223**
Chromium VI		**-- R**	**-- R**	**--**	**-- R**	**-- R**	**-- R**	**--**	**-- R**	**--**	**--**	0.807 U	0.511 U	0.553 U
Copper	390	**172 J**	**1470 J**	**227 J**	**2040 J**	**147**	**1810**	**507 J**	**1630**	**1380 J**	**1610 J**	**318**	**13.1**	**1270**
Lead	450	**83**	**966**	**72 J**	**600**	**62**	**900**	**217 J**	**473**	**811 J**	**945 J**	**93**	2 U	**857**
Mercury	0.41	**0.27**	**0.49**	**0.24 J**	**1.58**	**0.3**	**0.83**	**2.39 J**	**0.23**	**1.33 J**	**1.26 J**	**0.44 J**	0.03 UJ	**0.84 J**
Nickel		**27**	**38**	**29**	**39**	**26**	**47**	**28**	**29**	**54**	**50**	**28**	**7**	**80**
Selenium		0.9 U	0.8 U	0.9 UJ	0.7 U	1 U	**0.8**	0.6 UJ	**0.8**	**1.5 J**	**0.8 J**	1 U	0.6 U	**1**
Silver	6.1	0.5 U	**1**	**0.6**	**3**	0.6 U	**2**	**0.6**	**1**	**2**	**2**	0.6 U	0.4 U	**2**
Thallium		0.4 U	**0.5**	0.4 U	**0.3**	0.4 U	**1.1**	0.3 U	**0.4**	**0.4**	0.3 U	0.4 U	0.3 U	**0.5**
Zinc	410	**320 J**	**1350 J**	**240 J**	**2230 J**	**396 J**	**2650 J**	**356 J**	**3080 J**	**1980 J**	**2200 J**	**326**	**20**	**2800**
Organometallic Compounds (µg/kg)														
Tributyltin (ion)	73	**94**	**990**	**230**	**4200**	**45**	**1100**	**1100**	**3200**	**6500**	**3800**	**180**	3.2 U	**4400**

Table 7-8b
Subsurface Sediment Results: Metals and TBT

	Location ID	DSI-SB-10	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-12	DSI-SB-12	DSI-SB-12	DSI-SB-12	DSI-SB-12	DSI-SB-13	DSI-SB-13	DSI-SB-13
	Depth	8.5 – 10 ft	1 – 2 ft	11 – 12.3 ft	11 – 12.3 ft	3.5 – 5 ft	8 – 8.9 ft	1 – 2 ft	3 – 4.3 ft	4.3 – 5.8 ft	5.8 – 7.1 ft	8 – 9 ft	1 – 2 ft	3 – 4.1 ft	4.1 – 5 ft
	Sample ID	DSI-SB-10-8.5-10	DSI-SB-11-1-2	DSI-SB-11-11-12.3	DSI-SB-61-11-12.3	DSI-SB-11-3.5-5	DSI-SB-11-8-8.9	DSI-SB-12-1-2	DSI-SB-12-3-4.3	DSI-SB-12-4.3-5.8	DSI-SB-12-5.8-7.1	DSI-SB-12-8-9	DSI-SB-13-1-2	DSI-SB-13-3-4.1	DSI-SB-13-4.1-5
	Sample Date	3/14/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/14/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
	X	1268117.63	1268162.52	1268162.52	1268162.52	1268162.52	1268162.52	1268029.86	1268029.86	1268029.86	1268029.86	1268029.86	1267934.23	1267934.23	1267934.23
	Y	204532.11	204544.00	204544.00	204544.00	204544.00	204544.00	204649.56	204649.56	204649.56	204649.56	204649.56	204726.81	204726.81	204726.81
	Screening Level														
Metals (mg/kg)															
Antimony		**2.3 J**	0.4 UJ	0.3 UJ	0.3 UJ	0.4 UJ	**3.7 J**	**3 J**	**1.1 J**	0.3 UJ	0.3 UJ	--	**3.6 J**	**0.8 J**	0.2 UJ
Arsenic	7	**303**	**16.5**	**10.1**	**10.3**	**22.1**	**888**	**184 J**	**45.2 J**	**16.7**	**27.4 J**	--	**596**	**104**	**11.1**
Beryllium		**0.3**	**0.4**	**0.2**	**0.2**	**0.4**	**0.5**	0.3 U	0.1 U	**0.1**	0.1 U	--	**0.8**	**0.6**	0.1 U
Cadmium	5.1	**1.1**	**0.8**	**0.6**	**0.6**	**0.7**	**4.2**	**1.4**	**0.5**	0.3 U	0.3 U	--	**2.8**	**1**	0.2 U
Chromium	260	**66.9 J**	**38**	**24.5**	**28.6**	**36.5 J**	**198**	**95 J**	**36.2 J**	**16.2 J**	**17.5 J**	--	**89**	**51**	**9.2 J**
Chromium VI		--	**-- R**	**-- R**	**-- R**	--	**-- R**	0.513 U	0.469 U	--	0.534 U	--	0.656 U	0.767 U	--
Copper	390	**595 J**	**112 J**	**82.3 J**	**114 J**	**161 J**	**1530 J**	**1200 J**	**189 J**	**26.3 J**	**40.3 J**	--	**1270**	**240**	**18.3 J**
Lead	450	**433 J**	**47**	**40**	**45**	**46 J**	**1000**	**588 J**	**273 J**	**11 J**	**38 J**	--	**749**	**201**	**7 J**
Mercury	0.41	**0.65 J**	**0.22**	**0.31**	**0.28**	**0.24 J**	**1.13**	**2.78 J**	**0.7 J**	**0.24 J**	**0.09 J**	--	**0.72 J**	**0.74 J**	**-- R**
Nickel		**25**	**27**	**15**	**15**	**29**	**114**	**56 J**	**22 J**	**9**	**10 J**	--	**35**	**23**	**7**
Selenium		0.7 UJ	0.9 U	0.7 U	0.7 U	1 UJ	**1**	0.6 U	0.6 U	0.7 UJ	0.7 U	--	0.8 U	1 U	0.5 UJ
Silver	6.1	**0.6**	0.6 U	0.4 U	0.4 U	0.5 U	**2**	0.9 U	0.4 U	0.4 U	0.4 U	--	**1**	1 U	0.3 U
Thallium		0.3 U	0.4 U	0.3 U	0.3 U	0.4 U	**0.3**	0.3 U	0.2 U	0.3 U	0.3 U	--	**0.4**	0.4 U	0.2 U
Zinc	410	**1050 J**	**258 J**	**87 J**	**98 J**	**171 J**	**2490 J**	**1100 J**	**298 J**	**38 J**	**50 J**	--	**3380**	**344**	**30 J**
Organometallic Compounds (µg/kg)															
Tributyltin (ion)	73	**2400**	**64**	**970**	**190**	**120**	**15000**	**230**	**3.4**	--	**3.6**	--	**3600**	**950**	**19**

Table 7-8b
Subsurface Sediment Results: Metals and TBT

	Location ID	DSI-SB-13	DSI-SB-14	DSI-SB-14	DSI-SB-15	DSI-SB-15	DSI-SB-16	DSI-SB-16	DSI-SB-17	DSI-SB-17
	Depth	5 – 6 ft	4 – 5 ft	9 – 10.5 ft	11.5 – 12.5 ft	4 – 5 ft	5 – 6.5 ft	9.2 – 10.7 ft	5 – 6 ft	9.4 – 10.7 ft
	Sample ID	DSI-SB-13-5-6	DSI-SB-14-4-5	DSI-SB-14-9-10.5	DSI-SB-15-11.5-12.5	DSI-SB-15-4-5	DSI-SB-16-5-6.5	DSI-SB-16-9.2-10.7	DSI-SB-17-5-6	DSI-SB-17-9.4-10.7
	Sample Date	3/14/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/16/2011	3/16/2011
	Sample Type	N	N	N	N	N	N	N	N	N
	X	1267934.23	1268049.27	1268049.27	1268295.16	1268295.16	1268239.63	1268239.63	1268158.30	1268158.30
	Y	204726.81	204899.27	204899.27	204244.97	204244.97	204430.38	204430.38	204671.15	204671.15
	Screening Level									
Metals (mg/kg)										
Antimony		--	0.4 UJ	0.3 UJ	0.3 UJ	0.4 UJ	**0.5 J**	0.3 UJ	0.3 UJ	0.3 UJ
Arsenic	7	--	**12**	**62.3**	**11.7**	**20.1**	**194**	**64.6**	**118**	**21.4**
Beryllium		--	**0.4**	**0.5**	**0.4**	**0.4**	**0.5**	**0.4**	**0.5**	**0.4**
Cadmium	5.1	--	**0.6**	**1**	**1.3**	**0.9**	**1.2**	**1.5**	**1.5**	**1.4**
Chromium	260	--	**35.3 J**	**35 J**	**35.4 J**	**36.1 J**	**39.5 J**	**39.6 J**	**43 J**	**39.9 J**
Chromium VI		--	--	--	--	--	--	--	--	--
Copper	390	--	**81.6 J**	**219 J**	**63.6 J**	**105 J**	**247 J**	**179 J**	**241 J**	**82 J**
Lead	450	--	**33 J**	**131 J**	**50 J**	**69 J**	**191 J**	**163 J**	**208 J**	**70 J**
Mercury	0.41	--	**0.18 J**	**0.44 J**	**0.31 J**	**0.29 J**	**0.4 J**	**0.5 J**	**0.5 J**	**0.39 J**
Nickel		--	**29**	**22**	**21**	**28**	**39**	**25**	**29**	**24**
Selenium		--	0.9 UJ	0.9 UJ	0.7 UJ	0.9 UJ	0.8 UJ	0.8 UJ	0.8 UJ	0.9 UJ
Silver	6.1	--	0.5 U	**0.6**	**0.7**	0.5 U	**0.8**	**0.8**	1 U	**0.9**
Thallium		--	0.4 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.3 U	0.3 U
Zinc	410	--	**130 J**	**300 J**	**111 J**	**174 J**	**490 J**	**280 J**	**445 J**	**131 J**
Organometallic Compounds (µg/kg)										
Tributyltin (ion)	73	--	**29**	**630**	3.8 U	**140**	**570**	**28**	**480**	**12**

Table 7-8b
Subsurface Sediment Results: Metals and TBT

Detected concentration is greater than the sediment screening level
Bold = detected result
µg/kg = micrograms pe rkilogram
FD = field duplicate
ft = foot
J = Estimated value
mg/kg = milligrams per kilogram
N = normal sample
R = rejected
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-05	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312
	Depth	0 – 2 ft	0 – 2 ft	0 – 1.8 ft	0 – 2 ft	0 – 2 ft	10 – 11 ft	2 – 4 ft	4 – 6 ft
	Sample ID	DSIMR-SB-01-0-2	DSIMR-SB-02-0-2	DSIMR-SB-03-0-1.8	DSIMR-SB-05-0-2	DSIP2-SB-01b-0-2	DSIP2-SB-01b-10-11	DSIP2-SB-01b-2-4	DSIP2-SB-01b-4-6
	Sample Date	7/23/2013	7/24/2013	7/24/2013	7/23/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	N	N	N	N	N
	X	1268066.22	1268066.94	1268069.67	1268029.81	1268348.79	1268348.79	1268348.79	1268348.79
	Y	204393.09	204421.57	204454.65	204601.34	204095.62	204095.62	204095.62	204095.62
	Screening Level								
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)									
1-Methylnaphthalene		2.213	1.229	6.754	0.4157 J	0.566 J	0.6574	0.401 J	0.621
2-Methylnaphthalene	38	3.934	1.453	5.526	0.4326 J	0.717	0.9735	0.586	0.87
Acenaphthene	16	11.475	4.916	28.947	1.798	0.528 J	0.5563 J	0.494 J	0.683 J
Acenaphthylene	66	7.951	1.732	8.596	0.787 U	0.717	0.3413 J	0.586	0.5342
Anthracene	220	27.049	9.497	15.789	2.584	3.019	1.896	2.16	2.236
Benzo(a)anthracene	110	98.361	55.866	28.947	18.539	7.547	3.413	5.556	5.776
Benzo(a)pyrene	99	98.361	55.307	21.93	12.921	8.302	3.919	8.025	9.317
Benzo(b)fluoranthene		45.082	43.575	14.912	11.236	4.528	3.666	5.247	8.075
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	31	39.344	34.637	8.509	6.18	2.415	2.276	2.531	4.099
Benzo(k)fluoranthene		24.59	18.994 J	7.193	6.18	2.113	2.149	2.407	3.975
Carbazole		17.213 J	11.173 J	8.772 J	2.921 J	1.057	2.402 U	0.895	0.932 J
Chrysene	110	106.557	49.721	38.596	17.978	10.566	6.068	8.333	7.453
Dibenzo(a,h)anthracene	12	18.033	8.939	--	1.91	1.094 J	0.6195	1.019 J	1.242 J
Dibenzofuran	15	4.59	2.514	4.211	1.011	0.792	0.6827	0.556 J	0.745 J
Fluoranthene	160	221.311	122.905	78.947	47.753	13.208	4.804	10.802	12.422
Fluorene	23	8.197	4.358	10.526	1.292	0.981	1.1125	0.741	0.87 J
Indeno(1,2,3-c,d)pyrene	34	43.443	25.14	7.281	5.618	2.415 J	1.896	2.377 J	3.602
Naphthalene	99	6.721	2.626	45.614	1.517	1.019	2.276 J	0.772	0.87 J
Phenanthrene	100	90.164	41.899	28.947	12.36	5.283	3.54	5.556	5.963
Pyrene	1000	204.918	100.559	71.053	37.64	18.113	12.516	15.432	24.845
Total Benzofluoranthenes (b,j,k) (U = 0)	230	69.672	62.57 J	22.105	17.416	6.642	5.815	7.654	12.05
Total HPAH (SMS) (U = 0)	960	900	515.642 J	277.368	165.955	70.302 J	41.3274	61.728 J	80.807 J
Total LPAH (SMS) (U = 0)	370	151.557	65.028	138.421	19.551	11.547 J	9.7219 J	10.309 J	11.1553 J
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		122.37705	71.05587 J	28.14912	17.44944	10.17736 J	5.154235	9.76852 J	11.65839 J
Polycyclic Aromatic Hydrocarbons (µg/kg)									
1-Methylnaphthalene		27	22	77	7.4 J	15 J	5.2	13 J	10
2-Methylnaphthalene		48	26	63	7.7 J	19	7.7	19	14
Acenaphthene		140	88	330	32	14 J	4.4 J	16 J	11 J
Acenaphthylene		97	31	98	14 U	19	2.7 J	19	8.6
Anthracene		330	170	180	46	80	15	70	36
Benzo(a)anthracene		1200	1000	330	330	200	27	180	93
Benzo(a)pyrene		1200	990	250	230	220	31	260	150
Benzo(b)fluoranthene		550	780	170	200	120	29	170	130
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--	--

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-05	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312
	Depth	0 – 2 ft	0 – 2 ft	0 – 1.8 ft	0 – 2 ft	0 – 2 ft	10 – 11 ft	2 – 4 ft	4 – 6 ft
	Sample ID	DSIMR-SB-01-0-2	DSIMR-SB-02-0-2	DSIMR-SB-03-0-1.8	DSIMR-SB-05-0-2	DSIP2-SB-01b-0-2	DSIP2-SB-01b-10-11	DSIP2-SB-01b-2-4	DSIP2-SB-01b-4-6
	Sample Date	7/23/2013	7/24/2013	7/24/2013	7/23/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	N	N	N	N	N
	X	1268066.22	1268066.94	1268069.67	1268029.81	1268348.79	1268348.79	1268348.79	1268348.79
	Y	204393.09	204421.57	204454.65	204601.34	204095.62	204095.62	204095.62	204095.62
	Screening Level								
Benzo(g,h,i)perylene		480	620	97	110	64	18	82	66
Benzo(k)fluoranthene		300	340 J	82	110	56	17	78	64
Carbazole		210 J	200 J	100 J	52 J	28	19 U	29	15 J
Chrysene		1300	890	440	320	280	48	270	120
Dibenzo(a,h)anthracene		220	160	--	34	29 J	4.9	33 J	20 J
Dibenzofuran		56	45	48	18	21	5.4	18 J	12 J
Fluoranthene		2700	2200	900	850	350	38	350	200
Fluorene		100	78	120	23	26	8.8	24	14 J
Indeno(1,2,3-c,d)pyrene		530	450	83	100	64 J	15	77 J	58
Naphthalene		82	47	520	27	27	18 J	25	14 J
Phenanthrene		1100	750	330	220	140	28	180	96
Pyrene		2500	1800	810	670	480	99	500	400
Total Benzofluoranthenes (b,j,k) (U = 0)		850	1120 J	252	310	176	46	248	194
Total HPAH (SMS) (U = 0)		10980	9230 J	3162	2954	1863 J	326.9	2000 J	1301 J
Total LPAH (SMS) (U = 0)		1849	1164	1578	348	306 J	76.9 J	334 J	179.6 J
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	1493	1271.9 J	320.9	310.6	269.7 J	40.77	316.5 J	187.7 J

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312
	Depth	4 – 6 ft	6.5 – 8.5 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6.7 – 8.7 ft	9.5 – 11.3 ft
	Sample ID	DSIP2-SB-51B-4-6	DSIP2-SB-01b-6.5-8.5	DSIP2-SB-02-0-2	DSIP2-SB-02-2-4	DSIP2-SB-02-4-6	DSIP2-SB-02-6.7-8.7	DSIP2-SB-02-9.5-11.3
	Sample Date	12/18/2013	12/18/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013
	Sample Type	FD	N	N	N	N	N	N
	X	1268348.79	1268348.79	1268373.50	1268373.50	1268373.50	1268373.50	1268373.50
	Y	204095.62	204095.62	204254.08	204254.08	204254.08	204254.08	204254.08
	Screening Level							
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)								
1-Methylnaphthalene		**0.785**	**0.752 J**	**0.495 J**	**0.859 J**	**0.672 J**	**0.657 J**	**1.0956 J**
2-Methylnaphthalene	38	**1.152**	**1.46**	**0.726**	**1.01**	**0.988**	**0.939**	**1.3753 J**
Acenaphthene	16	**0.942**	**1.018**	**0.693**	**1.111**	**1.383**	**0.563 J**	1.1422 UJ
Acenaphthylene	66	**0.576**	**0.752**	**0.2937 J**	**0.3687 J**	**0.435 J**	**0.3991 J**	**0.7925 J**
Anthracene	220	**2.513**	**4.292**	**2.541**	**3.232**	**2.648**	**1.878**	**3.497 J**
Benzo(a)anthracene	110	**6.283**	**10.177**	**5.941**	**9.091**	**5.929**	**2.911**	**4.196 J**
Benzo(a)pyrene	99	**9.424**	**9.735**	**5.941**	**11.616**	**5.534**	**3.005**	**2.797 J**
Benzo(b)fluoranthene		**8.901**	**9.735**	**4.62**	**7.576**	**5.534**	**3.192**	**2.2378**
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--
Benzo(g,h,i)perylene	31	**4.764**	**4.867**	**4.29**	**8.081**	**3.557**	**2.16**	**1.4918**
Benzo(k)fluoranthene		**4.66**	**4.867**	**2.145**	**3.737**	**2.53**	**1.502**	**0.9557 J**
Carbazole		**0.995**	**1.416**	**0.825**	**1.313**	**0.949**	0.939 U	4.662 U
Chrysene	110	**7.853**	**12.832**	**8.911**	**11.111**	**6.324**	**3.474**	**10.956**
Dibenzo(a,h)anthracene	12	**1.204**	**1.239**	**1.815**	**3.434**	**1.581**	**0.798**	**0.8625 J**
Dibenzofuran	15	**0.681**	**1.106**	**0.726**	**1.01**	**1.028**	**0.845 J**	**0.9091 J**
Fluoranthene	160	**14.66**	**25.664**	**13.861**	**20.202**	**14.229**	**5.634**	**4.196**
Fluorene	23	**0.89**	**1.814**	**0.891**	**1.111**	**1.7**	**0.986 J**	**0.8159 J**
Indeno(1,2,3-c,d)pyrene	34	**4.084**	**4.248**	**3.96**	**7.576**	**3.123**	**1.643**	**0.9557 J**
Naphthalene	99	**1.257**	**1.327**	**0.924**	**1.465**	**1.067**	**1.315**	**2.2844 J**
Phenanthrene	100	**7.33**	**9.735**	**5.281**	**9.091**	**6.324**	**3.709**	**6.993**
Pyrene	1000	**23.037**	**26.991**	**13.531**	**27.778**	**15.81**	**10.329**	**7.925**
Total Benzofluoranthenes (b,j,k) (U = 0)	230	**13.56**	**14.602**	**6.766**	**11.313**	**8.063**	**4.695**	**3.1935 J**
Total HPAH (SMS) (U = 0)	960	**84.869**	**110.354**	**65.017**	**110.202**	**64.15**	**34.648**	**36.5734 J**
Total LPAH (SMS) (U = 0)	370	**13.508**	**18.938**	**10.6238 J**	**16.3788 J**	**13.557 J**	**8.8498 J**	**14.3823 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		**12.01571**	**12.88938**	**7.87789**	**14.86869**	**7.4664**	**4.04413**	**3.827506 J**
Polycyclic Aromatic Hydrocarbons (µg/kg)								
1-Methylnaphthalene		**15**	**17 J**	**15 J**	**17 J**	**17 J**	**14 J**	**4.7 J**
2-Methylnaphthalene		**22**	**33**	**22**	**20**	**25**	**20**	**5.9 J**
Acenaphthene		**18**	**23**	**21**	**22**	**35**	**12 J**	4.9 UJ
Acenaphthylene		**11**	**17**	**8.9 J**	**7.3 J**	**11 J**	**8.5 J**	**3.4 J**
Anthracene		**48**	**97**	**77**	**64**	**67**	**40**	**15 J**
Benzo(a)anthracene		**120**	**230**	**180**	**180**	**150**	**62**	**18 J**
Benzo(a)pyrene		**180**	**220**	**180**	**230**	**140**	**64**	**12 J**
Benzo(b)fluoranthene		**170**	**220**	**140**	**150**	**140**	**68**	**9.6**
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312
	Depth	4 – 6 ft	6.5 – 8.5 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6.7 – 8.7 ft	9.5 – 11.3 ft
	Sample ID	DSIP2-SB-51B-4-6	DSIP2-SB-01b-6.5-8.5	DSIP2-SB-02-0-2	DSIP2-SB-02-2-4	DSIP2-SB-02-4-6	DSIP2-SB-02-6.7-8.7	DSIP2-SB-02-9.5-11.3
	Sample Date	12/18/2013	12/18/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013
	Sample Type	FD	N	N	N	N	N	N
	X	1268348.79	1268348.79	1268373.50	1268373.50	1268373.50	1268373.50	1268373.50
	Y	204095.62	204095.62	204254.08	204254.08	204254.08	204254.08	204254.08
	Screening Level							
Benzo(g,h,i)perylene		91	110	130	160	90	46	6.4
Benzo(k)fluoranthene		89	110	65	74	64	32	4.1 J
Carbazole		19	32	25	26	24	20 U	20 U
Chrysene		150	290	270	220	160	74	47
Dibenzo(a,h)anthracene		23	28	55	68	40	17	3.7 J
Dibenzofuran		13	25	22	20	26	18 J	3.9 J
Fluoranthene		280	580	420	400	360	120	18
Fluorene		17	41	27	22	43	21 J	3.5 J
Indeno(1,2,3-c,d)pyrene		78	96	120	150	79	35	4.1 J
Naphthalene		24	30	28	29	27	28	9.8 J
Phenanthrene		140	220	160	180	160	79	30
Pyrene		440	610	410	550	400	220	34
Total Benzofluoranthenes (b,j,k) (U = 0)		259	330	205	224	204	100	13.7 J
Total HPAH (SMS) (U = 0)		1621	2494	1970	2182	1623	738	156.9 J
Total LPAH (SMS) (U = 0)		258	428	321.9 J	324.3 J	343 J	188.5 J	61.7 J
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	229.5	291.3	238.7	294.4	188.9	86.14	16.42 J

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312
	Depth	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9.5 – 11.5 ft	0 – 2 ft	2 – 4 ft
	Sample ID	DSIP2-SB-03-0-2	DSIP2-SB-03-2-4	DSIP2-SB-03-4-6	DSIP2-SB-03-6-8	DSIP2-SB-03-9.5-11.5	DSIP2-SB-04-0-2	DSIP2-SB-04-2-4
	Sample Date	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/14/2013	12/14/2013
	Sample Type	N	N	N	N	N	N	N
	X	1268353.78	1268353.78	1268353.78	1268353.78	1268353.78	1268312.94	1268312.94
	Y	204333.70	204333.70	204333.70	204333.70	204333.70	204461.82	204461.82
	Screening Level							
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)								
1-Methylnaphthalene		0.444 J	0.638 J	0.655 J	1.021	1.1364 J	0.56 J	0.657 J
2-Methylnaphthalene	38	0.593 J	1.011	0.961	1.444	1.5657 J	0.819	1.08
Acenaphthene	16	0.444 J	0.745 J	0.742 J	1.725	0.6566 J	0.603	0.798 J
Acenaphthylene	66	0.37 J	0.4681 J	0.3406 J	0.387 J	0.9848 J	0.647 J	0.657 J
Anthracene	220	1.778	2.181	2.533	2.007	2.1717	2.716	3.333
Benzo(a)anthracene	110	4.074	6.383	6.114	3.169	2.1717	7.328	7.981
Benzo(a)pyrene	99	4.815	9.574	5.24	3.275	3.03	10.776	8.92
Benzo(b)fluoranthene		5.556	10.106	4.803	1.761	3.283	7.759	4.413
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--
Benzo(g,h,i)perylene	31	3.519	5.851	3.1	2.042	2.3485	3.534	2.629 J
Benzo(k)fluoranthene		2.444	5.053	2.227	0.775	1.4899	3.75	2.394
Carbazole		0.667 J	1.223	0.786 J	0.528 J	4.798 U	1.034	1.08
Chrysene	110	7.037	7.979	6.55	3.521	3.283	9.483	9.39
Dibenzo(a,h)anthracene	12	1.519	2.766	1.485	0.915	0.6818 J	2.284 J	1.174 J
Dibenzofuran	15	0.593 J	0.851 J	0.961	1.408	1.0859 J	0.733 J	0.939
Fluoranthene	160	9.63	14.362	13.974	6.338	6.818	15.517	20.188
Fluorene	23	0.741 J	0.745 J	1.179	1.408	1.2626 J	0.733 J	1.127
Indeno(1,2,3-c,d)pyrene	34	3.222	5.319	2.882	1.725	1.6919	3.147 J	2.488 J
Naphthalene	99	0.741	1.33	1.048	1.514	3.283 J	1.034	1.221
Phenanthrene	100	3.704	6.383	5.677	4.577	5.303	6.897	7.981
Pyrene	1000	10.741	25.532	13.974	10.211	12.121	21.552	25.352
Total Benzofluoranthenes (b,j,k) (U = 0)	230	8	15.16	7.031	2.535	4.7727	11.509	6.808
Total HPAH (SMS) (U = 0)	960	52.556	92.926	60.349	33.732	36.9192 J	85.129 J	84.93 J
Total LPAH (SMS) (U = 0)	370	7.778 J	11.8511 J	11.5197 J	11.62 J	13.6616 J	12.629 J	15.117 J
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		6.56667	12.61702	7.05677	4.14437	3.994949 J	13.29741 J	10.85915 J
Polycyclic Aromatic Hydrocarbons (µg/kg)								
1-Methylnaphthalene		12 J	12 J	15 J	29	4.5 J	13 J	14 J
2-Methylnaphthalene		16 J	19	22	41	6.2 J	19	23
Acenaphthene		12 J	14 J	17 J	49	2.6 J	14	17 J
Acenaphthylene		10 J	8.8 J	7.8 J	11 J	3.9 J	15 J	14 J
Anthracene		48	41	58	57	8.6	63	71
Benzo(a)anthracene		110	120	140	90	8.6	170	170
Benzo(a)pyrene		130	180	120	93	12	250	190
Benzo(b)fluoranthene		150	190	110	50	13	180	94
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312
	Depth	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9.5 – 11.5 ft	0 – 2 ft	2 – 4 ft
	Sample ID	DSIP2-SB-03-0-2	DSIP2-SB-03-2-4	DSIP2-SB-03-4-6	DSIP2-SB-03-6-8	DSIP2-SB-03-9.5-11.5	DSIP2-SB-04-0-2	DSIP2-SB-04-2-4
	Sample Date	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/14/2013	12/14/2013
	Sample Type	N	N	N	N	N	N	N
	X	1268353.78	1268353.78	1268353.78	1268353.78	1268353.78	1268312.94	1268312.94
	Y	204333.70	204333.70	204333.70	204333.70	204333.70	204461.82	204461.82
	Screening Level							
Benzo(g,h,i)perylene		95	110	71	58	9.3	82	56 J
Benzo(k)fluoranthene		66	95	51	22	5.9	87	51
Carbazole		18 J	23	18 J	15 J	19 U	24	23
Chrysene		190	150	150	100	13	220	200
Dibenzo(a,h)anthracene		41	52	34	26	2.7 J	53 J	25 J
Dibenzofuran		16 J	16 J	22	40	4.3 J	17 J	20
Fluoranthene		260	270	320	180	27	360	430
Fluorene		20 J	14 J	27	40	5 J	17 J	24
Indeno(1,2,3-c,d)pyrene		87	100	66	49	6.7	73 J	53 J
Naphthalene		20	25	24	43	13 J	24	26
Phenanthrene		100	120	130	130	21	160	170
Pyrene		290	480	320	290	48	500	540
Total Benzofluoranthenes (b,j,k) (U = 0)		216	285	161	72	18.9	267	145
Total HPAH (SMS) (U = 0)		1419	1747	1382	958	146.2 J	1975 J	1809 J
Total LPAH (SMS) (U = 0)		210 J	222.8 J	263.8 J	330 J	54.1 J	293 J	322 J
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	177.3	237.2	161.6	117.7	15.82 J	308.5 J	231.3 J

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312
	Depth	5 – 7 ft	7.5 – 9.5 ft	7.5 – 9.5 ft	9.5 – 11.5 ft	0 – 2 ft	0 – 2 ft	10 – 12 ft
	Sample ID	DSIP2-SB-04-5-7	DSIP2-SB-04-7.5-9.5	DSIP2-SB-54-7.5-9.5	DSIP2-SB-04-9.5-11.5	DSIP2-SB-05-0-2	DSIP2-SB-05-2-4	DSIP2-SB-05-10-12
	Sample Date	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/13/2013	12/13/2013	12/13/2013
	Sample Type	N	N	FD	N	N	N	N
	X	1268312.94	1268312.94	1268312.94	1268312.94	1268262.71	1268262.71	1268262.71
	Y	204461.82	204461.82	204461.82	204461.82	204583.57	204583.57	204583.57
	Screening Level							
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)								
1-Methylnaphthalene		**0.909 J**	**1.215 J**	**1.2844 J**	**0.9383 J**	**0.522 J**	**0.837 J**	11.9048 UJ
2-Methylnaphthalene	38	**1.329 J**	**1.6822 J**	**1.6055 J**	**1.0724 J**	**0.672 J**	**1.209**	**6.6667 J**
Acenaphthene	16	**0.909 J**	2.243 U	2.156 U	**0.6971 J**	**0.56 J**	**0.744 J**	11.9048 UJ
Acenaphthylene	66	**0.839 J**	2.243 U	2.156 U	1.2869 U	**0.3694 J**	**0.558 J**	11.9048 UJ
Anthracene	220	**3.636**	**2.0093 J**	**1.6514 J**	**0.9651 J**	**2.052**	**2.326**	**7.1429 J**
Benzo(a)anthracene	110	**8.392**	**2.1963 J**	**1.8807 J**	**1.5013**	**5.597**	**6.512**	**11.4286 J**
Benzo(a)pyrene	99	**6.713**	**2.4299**	**1.7431 J**	**1.0724 J**	**7.836**	**6.977**	11.9048 U
Benzo(b)fluoranthene		**3.357**	**2.4766**	**2.2936**	**1.1796 J**	**6.343**	**6.512**	**9.7619 J**
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--
Benzo(g,h,i)perylene	31	**1.748**	**1.8224 J**	**1.6514 J**	**0.8311 J**	**4.478**	**3.349**	**7.619 J**
Benzo(k)fluoranthene		**1.538**	**1.4019 J**	**1.2385 J**	**0.8311 J**	**2.91**	**3.163**	11.9048 U
Carbazole		1.399 U	9.346 U	9.174 U	5.362 U	**0.896**	**0.884 J**	47.619 U
Chrysene	110	**9.79**	**3.6916**	**2.844**	**2.6542 J**	**7.463**	**6.512**	**12.8571**
Dibenzo(a,h)anthracene	12	**0.769 J**	2.243 U	2.156 U	1.2869 U	**2.127**	**1.721**	11.9048 U
Dibenzofuran	15	**1.748**	2.243 U	**1.1009 J**	**0.9383 J**	**0.672 J**	**0.884 J**	11.9048 UJ
Fluoranthene	160	**11.189**	**4.673 J**	**5.046 J**	**2.681**	**11.94**	**12.093**	**26.19**
Fluorene	23	**1.678**	2.243 U	2.156 U	**0.8847 J**	**0.672 J**	**1.116**	11.9048 UJ
Indeno(1,2,3-c,d)pyrene	34	**1.608 J**	**1.4953 J**	2.156 U	**0.8579 J**	**4.478**	**3.209**	11.9048 U
Naphthalene	99	**2.168**	**2.5234**	**1.6055 J**	**1.1796 J**	**0.896**	**1.349**	**8.5714 J**
Phenanthrene	100	**6.434**	**3.3645**	**3.6697**	**2.0912**	**5.224**	**5.581**	**20**
Pyrene	1000	**21.678**	**10.748**	**8.716 J**	**3.753 J**	**16.418**	**19.535**	**38.095**
Total Benzofluoranthenes (b,j,k) (U = 0)	230	**4.895**	**3.8785 J**	**3.5321 J**	**2.0107 J**	**9.254**	**9.674**	**9.7619 J**
Total HPAH (SMS) (U = 0)	960	**66.783 J**	**30.9346 J**	**25.4128 J**	**15.3619 J**	**69.59**	**69.581**	**105.9524 J**
Total LPAH (SMS) (U = 0)	370	**15.664 J**	**7.8972 J**	**6.9266 J**	**5.8177 J**	**9.7724 J**	**11.674 J**	**35.7143 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		**8.37762 J**	**3.223832 J**	**2.312844 J**	**1.535925 J**	**10.05597**	**9.15349**	**2.247619 J**
Polycyclic Aromatic Hydrocarbons (µg/kg)								
1-Methylnaphthalene		**13 J**	**2.6 J**	**2.8 J**	**3.5 J**	**14 J**	**18 J**	5 UJ
2-Methylnaphthalene		**19 J**	**3.6 J**	**3.5 J**	**4 J**	**18 J**	**26**	**2.8 J**
Acenaphthene		**13 J**	4.8 U	4.7 U	**2.6 J**	**15 J**	**16 J**	5 UJ
Acenaphthylene		**12 J**	4.8 U	4.7 U	4.8 U	**9.9 J**	**12 J**	5 UJ
Anthracene		**52**	**4.3 J**	**3.6 J**	**3.6 J**	**55**	**50**	**3 J**
Benzo(a)anthracene		**120**	**4.7 J**	**4.1 J**	**5.6**	**150**	**140**	**4.8 J**
Benzo(a)pyrene		**96**	**5.2**	**3.8 J**	**4 J**	**210**	**150**	5 U
Benzo(b)fluoranthene		**48**	**5.3**	**5**	**4.4 J**	**170**	**140**	**4.1 J**
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312
	Depth	5 – 7 ft	7.5 – 9.5 ft	7.5 – 9.5 ft	9.5 – 11.5 ft	0 – 2 ft	0 – 2 ft	10 – 12 ft
	Sample ID	DSIP2-SB-04-5-7	DSIP2-SB-04-7.5-9.5	DSIP2-SB-54-7.5-9.5	DSIP2-SB-04-9.5-11.5	DSIP2-SB-05-0-2	DSIP2-SB-05-2-4	DSIP2-SB-05-10-12
	Sample Date	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/13/2013	12/13/2013	12/13/2013
	Sample Type	N	N	FD	N	N	N	N
	X	1268312.94	1268312.94	1268312.94	1268312.94	1268262.71	1268262.71	1268262.71
	Y	204461.82	204461.82	204461.82	204461.82	204583.57	204583.57	204583.57
	Screening Level							
Benzo(g,h,i)perylene		**25**	**3.9 J**	**3.6 J**	**3.1 J**	**120**	**72**	**3.2 J**
Benzo(k)fluoranthene		**22**	**3 J**	**2.7 J**	**3.1 J**	**78**	**68**	5 U
Carbazole		20 U	20 U	20 U	20 U	**24**	**19 J**	20 U
Chrysene		**140**	**7.9**	**6.2**	**9.9 J**	**200**	**140**	**5.4**
Dibenzo(a,h)anthracene		**11 J**	4.8 U	4.7 U	4.8 U	**57**	**37**	5 U
Dibenzofuran		**25**	4.8 U	**2.4 J**	**3.5 J**	**18 J**	**19 J**	5 UJ
Fluoranthene		**160**	**10 J**	**11 J**	**10**	**320**	**260**	**11**
Fluorene		**24**	4.8 U	4.7 U	**3.3 J**	**18 J**	**24**	5 UJ
Indeno(1,2,3-c,d)pyrene		**23 J**	**3.2 J**	4.7 U	**3.2 J**	**120**	**69**	5 U
Naphthalene		**31**	**5.4**	**3.5 J**	**4.4 J**	**24**	**29**	**3.6 J**
Phenanthrene		**92**	**7.2**	**8**	**7.8**	**140**	**120**	**8.4**
Pyrene		**310**	**23**	**19 J**	**14 J**	**440**	**420**	**16**
Total Benzofluoranthenes (b,j,k) (U = 0)		**70**	**8.3 J**	**7.7 J**	**7.5 J**	**248**	**208**	**4.1 J**
Total HPAH (SMS) (U = 0)		**955 J**	**66.2 J**	**55.4 J**	**57.3 J**	**1865**	**1496**	**44.5 J**
Total LPAH (SMS) (U = 0)		**224 J**	**16.9 J**	**15.1 J**	**21.7 J**	**261.9 J**	**251 J**	**15 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	**119.8 J**	**6.899 J**	**5.042 J**	**5.729 J**	**269.5**	**196.8**	**0.944 J**

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312
	Depth	4 – 6 ft	6.7 – 8.7 ft	0 – 2 ft	2 – 4 ft	2 – 4 ft	5 – 7 ft	8 – 10 ft
	Sample ID	DSIP2-SB-05-4-6	DSIP2-SB-05-6.7-8.7	DSIP2-SB-06-0-2	DSIP2-SB-06-2-4	DSIP2-SB-56-2-4	DSIP2-SB-06-5-7	DSIP2-SB-06-8-10
	Sample Date	12/13/2013	12/13/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	FD	N	N
	X	1268262.71	1268262.71	1268218.43	1268218.43	1268218.43	1268218.43	1268218.43
	Y	204583.57	204583.57	204716.63	204716.63	204716.63	204716.63	204716.63
	Screening Level							
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)								
1-Methylnaphthalene		**1.196**	**0.8605 J**	**0.442**	**0.92 J**	**0.899**	**1.042 J**	**0.8805 J**
2-Methylnaphthalene	38	**1.63**	**1.0691 J**	**0.843**	**2.184**	**5.079**	**1.181 J**	**0.9015 J**
Acenaphthene	16	**0.978 J**	**0.5737 J**	**0.442 J**	**0.805 J**	**0.688**	**0.764 J**	1.0482 U
Acenaphthylene	66	**0.815 J**	**0.5997 J**	**0.3855**	**0.5172**	**0.455**	**0.4167**	1.0482 U
Anthracene	220	**2.935**	**1.565**	**1.968**	**2.529**	**3.016**	**1.875**	**0.9853 J**
Benzo(a)anthracene	110	**4.348**	**1.565**	**5.221**	**7.471**	**5.291**	**3.542**	**1.5094**
Benzo(a)pyrene	99	**4.293**	**1.956**	**6.024**	**10.345**	**7.937**	**4.583**	**1.1321**
Benzo(b)fluoranthene		**4.348**	**1.956**	**5.622**	**8.046**	**8.466**	**3.125**	**1.3417**
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--
Benzo(g,h,i)perylene	31	**2.446**	**1.434**	**3.454**	**5.287**	**3.862**	**2.431**	**0.9015 J**
Benzo(k)fluoranthene		**1.957**	**0.9257**	**2.691**	**4.253**	**3.915**	**1.458**	**0.6918 J**
Carbazole		1.087 U	2.477 U	**0.763 J**	**1.149**	**0.952 J**	1.319 U	4.193 U
Chrysene	110	**5.054**	**2.347**	**8.434**	**9.195**	**6.878**	**4.444**	**1.7191**
Dibenzo(a,h)anthracene	12	**0.978**	**0.339 J**	**1.566**	**2.414**	**1.799**	**1.111**	1.0482 U
Dibenzofuran	15	**1.522**	**0.7301 J**	**0.763 J**	**0.92 J**	**0.847**	**1.042 J**	**0.7547 J**
Fluoranthene	160	**9.239**	**4.042**	**10.442**	**14.943**	**17.989**	**5.972**	**3.774**
Fluorene	23	**1.413**	**0.9387 J**	**0.683 J**	**1.149**	**1.005**	**1.042 J**	**0.6918 J**
Indeno(1,2,3-c,d)pyrene	34	**1.902**	**1.0039**	**3.253**	**5**	**3.757**	**2.292**	1.0482 U
Naphthalene	99	**2.5**	**1.565 J**	**1.847**	**1.207**	**1.323**	**1.875**	**0.9853 J**
Phenanthrene	100	**5.435**	**4.433**	**4.418**	**8.046**	**8.466**	**4.444**	**2.725**
Pyrene	1000	**15.761**	**8.083**	**14.458**	**23.563**	**19.048**	**13.194**	**5.66**
Total Benzofluoranthenes (b,j,k) (U = 0)	230	**6.304**	**2.8814**	**8.313**	**12.299**	**12.381**	**4.583**	**2.0335 J**
Total HPAH (SMS) (U = 0)	960	**50.326**	**23.6506 J**	**61.165**	**90.517**	**78.942**	**42.153**	**16.7296 J**
Total LPAH (SMS) (U = 0)	370	**14.076 J**	**9.6741 J**	**9.743 J**	**14.2529 J**	**14.9524**	**10.4167 J**	**5.3878 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		**5.69728**	**2.558018 J**	**7.94378**	**13.15517**	**10.32804**	**5.78056**	**1.503564 J**
Polycyclic Aromatic Hydrocarbons (µg/kg)								
1-Methylnaphthalene		**22**	**6.6 J**	**11**	**16 J**	**17**	**15 J**	**4.2 J**
2-Methylnaphthalene		**30**	**8.2 J**	**21**	**38**	**96**	**17 J**	**4.3 J**
Acenaphthene		**18 J**	**4.4 J**	**11 J**	**14 J**	**13**	**11 J**	5 U
Acenaphthylene		**15 J**	**4.6 J**	**9.6**	**9**	**8.6**	**6**	5 U
Anthracene		**54**	**12**	**49**	**44**	**57**	**27**	**4.7 J**
Benzo(a)anthracene		**80**	**12**	**130**	**130**	**100**	**51**	**7.2**
Benzo(a)pyrene		**79**	**15**	**150**	**180**	**150**	**66**	**5.4**
Benzo(b)fluoranthene		**80**	**15**	**140**	**140**	**160**	**45**	**6.4**
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312
	Depth	4 – 6 ft	6.7 – 8.7 ft	0 – 2 ft	2 – 4 ft	2 – 4 ft	5 – 7 ft	8 – 10 ft
	Sample ID	DSIP2-SB-05-4-6	DSIP2-SB-05-6.7-8.7	DSIP2-SB-06-0-2	DSIP2-SB-06-2-4	DSIP2-SB-56-2-4	DSIP2-SB-06-5-7	DSIP2-SB-06-8-10
	Sample Date	12/13/2013	12/13/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	FD	N	N
	X	1268262.71	1268262.71	1268218.43	1268218.43	1268218.43	1268218.43	1268218.43
	Y	204583.57	204583.57	204716.63	204716.63	204716.63	204716.63	204716.63
	Screening Level							
Benzo(g,h,i)perylene		**45**	**11**	**86**	**92**	**73**	**35**	**4.3 J**
Benzo(k)fluoranthene		**36**	**7.1**	**67**	**74**	**74**	**21**	**3.3 J**
Carbazole		20 U	19 U	**19 J**	**20**	**18 J**	19 U	20 U
Chrysene		**93**	**18**	**210**	**160**	**130**	**64**	**8.2**
Dibenzo(a,h)anthracene		**18**	**2.6 J**	**39**	**42**	**34**	**16**	5 U
Dibenzofuran		**28**	**5.6 J**	**19 J**	**16 J**	**16**	**15 J**	**3.6 J**
Fluoranthene		**170**	**31**	**260**	**260**	**340**	**86**	**18**
Fluorene		**26**	**7.2 J**	**17 J**	**20**	**19**	**15 J**	**3.3 J**
Indeno(1,2,3-c,d)pyrene		**35**	**7.7**	**81**	**87**	**71**	**33**	5 U
Naphthalene		**46**	**12 J**	**46**	**21**	**25**	**27**	**4.7 J**
Phenanthrene		**100**	**34**	**110**	**140**	**160**	**64**	**13**
Pyrene		**290**	**62**	**360**	**410**	**360**	**190**	**27**
Total Benzofluoranthenes (b,j,k) (U = 0)		**116**	**22.1**	**207**	**214**	**234**	**66**	**9.7 J**
Total HPAH (SMS) (U = 0)		**926**	**181.4 J**	**1523**	**1575**	**1492**	**607**	**79.8 J**
Total LPAH (SMS) (U = 0)		**259 J**	**74.2 J**	**242.6 J**	**248 J**	**282.6**	**150 J**	**25.7 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	**104.83**	**19.62 J**	**197.8**	**228.9**	**195.2**	**83.24**	**7.172 J**

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312
	Depth	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft	9 – 11 ft	0 – 2 ft	2.5 – 4.5 ft
	Sample ID	DSIP2-SB-07-0-2	DSIP2-SB-07-2-4	DSIP2-SB-07-4.5-6.5	DSIP2-SB-07-7-9	DSIP2-SB-07-9-11	DSIP2-SB-08-0-2	DSIP2-SB-08-2.5-4.5
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N
	X	1268157.39	1268157.39	1268157.39	1268157.39	1268157.39	1268132.63	1268132.63
	Y	204828.25	204828.25	204828.25	204828.25	204828.25	204932.41	204932.41
	Screening Level							
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)								
1-Methylnaphthalene		**0.803**	**0.722 J**	**1.1477 J**	**1.0417 J**	2.4615 U	**0.643 J**	**0.904 J**
2-Methylnaphthalene	38	**2.249**	**1.082**	**1.343 J**	**1.375 J**	2.4615 U	**0.924**	**0.957 J**
Acenaphthene	16	**0.723**	**1.134**	0.5861 U	1.9583 U	2.4615 U	**0.643 J**	**1.33**
Acenaphthylene	66	**0.884**	**0.722 J**	0.5861 U	1.9583 U	2.4615 U	**0.3896**	**0.957 J**
Anthracene	220	**3.414**	**3.093**	**1.343 J**	**1 J**	2.4615 U	**2.45**	**3.404**
Benzo(a)anthracene	110	**8.434**	**8.247**	**2.32**	**1.3333 J**	2.4615 U	**6.426**	**10.106**
Benzo(a)pyrene	99	**11.647**	**12.371**	**3.175**	**0.9583 J**	2.4615 U	**8.835**	**15.957**
Benzo(b)fluoranthene		**12.851**	**8.247**	**3.053**	**1.2917 J**	2.4615 U	**7.229**	**7.447**
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--
Benzo(g,h,i)perylene	31	**6.426**	**4.021**	**2.076**	1.9583 U	2.4615 U	**5.221**	**7.979**
Benzo(k)fluoranthene		**6.426**	**4.227**	**1.587**	1.9583 U	2.4615 U	**3.414**	**3.457**
Carbazole		**1.124**	**1.392**	2.32 U	7.917 U	9.744 U	**1.044**	**1.809**
Chrysene	110	**13.253**	**8.763**	**3.053**	**1.5 J**	2.4615 U	**10.442**	**15.957**
Dibenzo(a,h)anthracene	12	**1.486**	**1.649 J**	**0.5739 J**	1.9583 U	2.4615 U	**1.285**	**2.447**
Dibenzofuran	15	**0.924**	**1.031**	**1.465 J**	1.9583 U	2.4615 U	**0.924**	**1.223**
Fluoranthene	160	**16.064**	**16.495**	**3.663**	**3.8333**	2.4615 U	**11.647**	**18.085**
Fluorene	23	**1.165**	**1.031**	**1.465 J**	1.9583 U	2.4615 U	**0.843**	**1.436**
Indeno(1,2,3-c,d)pyrene	34	**5.622**	**3.505**	**1.709**	1.9583 U	2.4615 U	**4.418**	**7.447**
Naphthalene	99	**1.566**	**1.443**	**2.076 J**	**1.0833 J**	2.4615 U	**1.044**	**1.436**
Phenanthrene	100	**8.032**	**7.216**	**4.64**	**2.625**	**1.2308 J**	**6.426**	**11.17**
Pyrene	1000	**24.9**	**37.113**	**12.21**	**5.417 J**	2.4615 U	**20.482**	**35.638**
Total Benzofluoranthenes (b,j,k) (U = 0)	230	**19.277**	**12.474**	**4.64**	**1.2917 J**	2.4615 U	**10.643**	**10.904**
Total HPAH (SMS) (U = 0)	960	**107.108**	**104.639 J**	**33.4188 J**	**14.3333 J**	2.4615 U	**79.398**	**124.521**
Total LPAH (SMS) (U = 0)	370	**15.783**	**14.639 J**	**9.5238 J**	**4.7083 J**	**1.2308 J**	**11.7952 J**	**19.734 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		**15.26104**	**15.04639 J**	**4.129426 J**	**1.235833 J**	2.461538 U	**11.21687**	**19.20745**
Polycyclic Aromatic Hydrocarbons (µg/kg)								
1-Methylnaphthalene		**20**	**14 J**	**9.4 J**	**2.5 J**	4.8 U	**16 J**	**17 J**
2-Methylnaphthalene		**56**	**21**	**11 J**	**3.3 J**	4.8 U	**23**	**18 J**
Acenaphthene		**18**	**22**	4.8 U	4.7 U	4.8 U	**16 J**	**25**
Acenaphthylene		**22**	**14 J**	4.8 U	4.7 U	4.8 U	**9.7**	**18 J**
Anthracene		**85**	**60**	**11 J**	**2.4 J**	4.8 U	**61**	**64**
Benzo(a)anthracene		**210**	**160**	**19**	**3.2 J**	4.8 U	**160**	**190**
Benzo(a)pyrene		**290**	**240**	**26**	**2.3 J**	4.8 U	**220**	**300**
Benzo(b)fluoranthene		**320**	**160**	**25**	**3.1 J**	4.8 U	**180**	**140**
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312
	Depth	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft	9 – 11 ft	0 – 2 ft	2.5 – 4.5 ft
	Sample ID	DSIP2-SB-07-0-2	DSIP2-SB-07-2-4	DSIP2-SB-07-4.5-6.5	DSIP2-SB-07-7-9	DSIP2-SB-07-9-11	DSIP2-SB-08-0-2	DSIP2-SB-08-2.5-4.5
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N
	X	1268157.39	1268157.39	1268157.39	1268157.39	1268157.39	1268132.63	1268132.63
	Y	204828.25	204828.25	204828.25	204828.25	204828.25	204932.41	204932.41
	Screening Level							
Benzo(g,h,i)perylene		**160**	**78**	**17**	4.7 U	4.8 U	**130**	**150**
Benzo(k)fluoranthene		**160**	**82**	**13**	4.7 U	4.8 U	**85**	**65**
Carbazole		**28**	**27**	19 U	19 U	19 U	**26**	**34**
Chrysene		**330**	**170**	**25**	**3.6 J**	4.8 U	**260**	**300**
Dibenzo(a,h)anthracene		**37**	**32 J**	**4.7 J**	4.7 U	4.8 U	**32**	**46**
Dibenzofuran		**23**	**20**	**12 J**	4.7 U	4.8 U	**23**	**23**
Fluoranthene		**400**	**320**	**30**	**9.2**	4.8 U	**290**	**340**
Fluorene		**29**	**20**	**12 J**	4.7 U	4.8 U	**21**	**27**
Indeno(1,2,3-c,d)pyrene		**140**	**68**	**14**	4.7 U	4.8 U	**110**	**140**
Naphthalene		**39**	**28**	**17 J**	**2.6 J**	4.8 U	**26**	**27**
Phenanthrene		**200**	**140**	**38**	**6.3**	**2.4 J**	**160**	**210**
Pyrene		**620**	**720**	**100**	**13 J**	4.8 U	**510**	**670**
Total Benzofluoranthenes (b,j,k) (U = 0)		**480**	**242**	**38**	**3.1 J**	4.8 U	**265**	**205**
Total HPAH (SMS) (U = 0)		**2667**	**2030 J**	**273.7 J**	**34.4 J**	4.8 U	**1977**	**2341**
Total LPAH (SMS) (U = 0)		**393**	**284 J**	**78 J**	**11.3 J**	**2.4 J**	**293.7 J**	**371 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	**380**	**291.9 J**	**33.82 J**	**2.966 J**	4.8 U	**279.3**	**361.1**

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312
	Depth	4.5 – 6.5 ft	6.5 – 8.5 ft	8.5 – 10.4 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft
	Sample ID	DSIP2-SB-08-4.5-6.5	DSIP2-SB-08-6.5-8.5	DSIP2-SB-08-8.5-10.4	DSIP2-SB-09-0-2	DSIP2-SB-09-2-4	DSIP2-SB-09-4-6	DSIP2-SB-09-6-8
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N
	X	1268132.63	1268132.63	1268132.63	1268064.60	1268064.60	1268064.60	1268064.60
	Y	204932.41	204932.41	204932.41	205002.51	205002.51	205002.51	205002.51
	Screening Level							
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)								
1-Methylnaphthalene		**0.889**	**2.16**	**1.053 J**	**0.769 J**	**1.438**	**1.409**	**1.647**
2-Methylnaphthalene	38	**1.6**	**3.519**	**1.382**	**1.111**	**1.765**	**2.081**	**2.651**
Acenaphthene	16	**1.644**	**3.086**	**1.053 J**	**1.538**	**2.353**	**2.886**	**3.012**
Acenaphthylene	66	**0.667 J**	**2.16**	**0.4145 J**	**0.769 J**	**1.569**	**1.074 J**	**1.647**
Anthracene	220	**4.889**	**6.173**	**2.368**	**3.205**	**6.536**	**6.711**	**5.622**
Benzo(a)anthracene	110	**13.333**	**9.259**	**2.961**	**10.256**	**18.301**	**20.134**	**6.827**
Benzo(a)pyrene	99	**9.778**	**11.111**	**2.171**	**11.966**	**28.105**	**22.148**	**8.434**
Benzo(b)fluoranthene		**7.111**	**6.79**	**1.645 J**	**8.12**	**18.954**	**11.409**	**5.221**
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--
Benzo(g,h,i)perylene	31	**3.911**	**4.506**	**1.382**	**5.983**	**11.111**	**6.711**	**2.811**
Benzo(k)fluoranthene		**3.289**	**2.901**	**0.789 J**	**3.932**	**9.804**	**5.57**	**2.57**
Carbazole		**1.511**	**1.235**	1.25 U	**1.624**	**3.203**	**3.221**	**0.924**
Chrysene	110	**14.667**	**11.728**	**3.421**	**14.103**	**26.797**	**24.161**	**8.032**
Dibenzo(a,h)anthracene	12	**1.378**	**1.235**	**0.2697 J**	**2.094**	**3.203**	**2.617**	**0.723 J**
Dibenzofuran	15	**1.333**	**3.21**	**1.711**	**1.795**	**1.83**	**2.416**	**3.052**
Fluoranthene	160	**30.667**	**20.988**	**9.211**	**21.368**	**28.758**	**43.624**	**12.45**
Fluorene	23	**2.178**	**3.21**	**1.645**	**1.88**	**2.418**	**2.685**	**3.293**
Indeno(1,2,3-c,d)pyrene	34	**4**	**4.198**	**0.987 J**	**6.41**	**9.804**	**7.383**	**2.169**
Naphthalene	99	**1.911**	**6.79**	**2.303**	**2.607**	**2.353**	**3.221**	**6.426**
Phenanthrene	100	**12.889**	**14.815**	**5.592**	**11.111**	**20.261**	**18.121**	**11.245**
Pyrene	1000	**28.444**	**41.975**	**9.211**	**36.325**	**60.131**	**67.114**	**29.719**
Total Benzofluoranthenes (b,j,k) (U = 0)	230	**10.4**	**9.691**	**2.434 J**	**12.051**	**28.758**	**16.98**	**7.791**
Total HPAH (SMS) (U = 0)	960	**116.578**	**114.691**	**32.0461 J**	**120.556**	**214.967**	**210.872**	**78.956 J**
Total LPAH (SMS) (U = 0)	370	**24.178 J**	**36.235**	**13.375 J**	**21.111 J**	**35.49**	**34.698 J**	**31.245**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		**12.83556**	**13.66667**	**2.870395 J**	**15.18803**	**34.37908**	**27.10067**	**10.26506 J**
Polycyclic Aromatic Hydrocarbons (µg/kg)								
1-Methylnaphthalene		**20**	**35**	**16 J**	**18 J**	**22**	**21**	**41**
2-Methylnaphthalene		**36**	**57**	**21**	**26**	**27**	**31**	**66**
Acenaphthene		**37**	**50**	**16 J**	**36**	**36**	**43**	**75**
Acenaphthylene		**15 J**	**35**	**6.3 J**	**18 J**	**24**	**16 J**	**41**
Anthracene		**110**	**100**	**36**	**75**	**100**	**100**	**140**
Benzo(a)anthracene		**300**	**150**	**45**	**240**	**280**	**300**	**170**
Benzo(a)pyrene		**220**	**180**	**33**	**280**	**430**	**330**	**210**
Benzo(b)fluoranthene		**160**	**110**	**25 J**	**190**	**290**	**170**	**130**
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312
	Depth	4.5 – 6.5 ft	6.5 – 8.5 ft	8.5 – 10.4 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft
	Sample ID	DSIP2-SB-08-4.5-6.5	DSIP2-SB-08-6.5-8.5	DSIP2-SB-08-8.5-10.4	DSIP2-SB-09-0-2	DSIP2-SB-09-2-4	DSIP2-SB-09-4-6	DSIP2-SB-09-6-8
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N
	X	1268132.63	1268132.63	1268132.63	1268064.60	1268064.60	1268064.60	1268064.60
	Y	204932.41	204932.41	204932.41	205002.51	205002.51	205002.51	205002.51
	Screening Level							
Benzo(g,h,i)perylene		88	73	21	140	170	100	70
Benzo(k)fluoranthene		74	47	12 J	92	150	83	64
Carbazole		34	20	19 U	38	49	48	23
Chrysene		330	190	52	330	410	360	200
Dibenzo(a,h)anthracene		31	20	4.1 J	49	49	39	18 J
Dibenzofuran		30	52	26	42	28	36	76
Fluoranthene		690	340	140	500	440	650	310
Fluorene		49	52	25	44	37	40	82
Indeno(1,2,3-c,d)pyrene		90	68	15 J	150	150	110	54
Naphthalene		43	110	35	61	36	48	160
Phenanthrene		290	240	85	260	310	270	280
Pyrene		640	680	140	850	920	1000	740
Total Benzofluoranthenes (b,j,k) (U = 0)		234	157	37 J	282	440	253	194
Total HPAH (SMS) (U = 0)		2623	1858	487.1 J	2821	3289	3142	1966 J
Total LPAH (SMS) (U = 0)		544 J	587	203.3 J	494 J	543	517 J	778
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	288.8	221.4	43.63 J	355.4	526	403.8	255.6 J

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-09_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-11_1312
	Depth	8.3 – 10.3 ft	0.5 – 2.5 ft	11.3 – 12.9 ft	2.5 – 4.5 ft	6 – 8 ft	9 – 11 ft	0 – 2 ft
	Sample ID	DSIP2-SB-09-8.3-10.3	DSIP2-SB-10-0.5-2.5	DSIP2-SB-10-11.3-12.9	DSIP2-SB-10-2.5-4.5	DSIP2-SB-10-6-8	DSIP2-SB-10-9-11	DSIP2-SB-11-0-2
	Sample Date	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N
	X	1268064.60	1268039.90	1268039.90	1268039.90	1268039.90	1268039.90	1267949.10
	Y	205002.51	205120.11	205120.11	205120.11	205120.11	205120.11	205009.33
	Screening Level							
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)								
1-Methylnaphthalene		**1.118 J**	**1.02**	**0.7637 J**	**0.3961**	**1.985**	**1.184**	**1.477**
2-Methylnaphthalene	38	**1.316**	**9.184**	**0.6444 J**	**45.455**	**4.962**	**1.382**	**2.159**
Acenaphthene	16	**0.921 J**	**0.765 J**	1.1456 U	**0.974 J**	**2.786**	**0.921 J**	**10.795**
Acenaphthylene	66	**0.2829 J**	**0.816**	1.1456 U	**0.4545**	**1.603**	**0.4605**	**0.5398**
Anthracene	220	**1.842**	**3.776**	1.1456 U	**2.987**	**4.962**	**2.237**	**14.773**
Benzo(a)anthracene	110	**1.974**	**9.184**	**0.5728 J**	**6.234**	**6.107**	**2.961**	**62.5**
Benzo(a)pyrene	99	**1.382**	**12.245**	1.1456 U	**6.494**	**6.489**	**1.25**	**68.182 J**
Benzo(b)fluoranthene		**1.184**	**13.265**	**0.6205 J**	**7.792**	**6.107**	**1.711**	**22.159**
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--
Benzo(g,h,i)perylene	31	**0.789**	**8.673 J**	1.1456 U	**3.636**	**4.58 J**	**1.711 J**	**18.75 J**
Benzo(k)fluoranthene		**0.5329**	**6.122**	1.1456 U	**3.701**	**2.977**	**0.789**	**10.795**
Carbazole		1.25 U	**1.276**	4.773 U	**1.104 J**	**1.298**	1.25 U	**7.955**
Chrysene	110	**2.566**	**11.735**	**0.7399 J**	**7.792**	**7.252**	**3.224**	**73.864**
Dibenzo(a,h)anthracene	12	0.3158 U	**3.827 J**	1.1456 U	**1.494**	**1.794 J**	**0.4737 J**	**6.25 J**
Dibenzofuran	15	**1.645**	**0.867 J**	1.1456 U	**0.909 J**	**3.588**	**1.513**	**5.682**
Fluoranthene	160	**7.895**	**18.878**	**1.0263 J**	**18.831**	**14.504**	**7.895**	**176.136**
Fluorene	23	**1.645**	**1.122**	1.1456 U	**1.299**	**3.435**	**1.513**	**7.955**
Indeno(1,2,3-c,d)pyrene	34	**0.6053**	**8.163 J**	1.1456 U	**3.182**	**3.626 J**	**1.053 J**	**20.455 J**
Naphthalene	99	**2.237**	**1.786**	**0.7876 J**	**1.169 J**	**14.504**	**1.908**	**4.091**
Phenanthrene	100	**4.474**	**9.184**	**1.3126**	**8.442**	**9.924**	**4.474**	**62.5**
Pyrene	1000	**5.987**	**27.551**	**1.9809**	**18.831**	**22.901**	**7.237**	**193.182**
Total Benzofluoranthenes (b,j,k) (U = 0)	230	**1.7171**	**19.388**	**0.6205 J**	**11.494**	**9.084**	**2.5**	**32.955**
Total HPAH (SMS) (U = 0)	960	**22.9145**	**119.643 J**	**4.9403 J**	**77.987**	**76.336 J**	**28.3026 J**	**652.273 J**
Total LPAH (SMS) (U = 0)	370	**11.4013 J**	**17.449 J**	**2.1002 J**	**15.3247 J**	**37.214**	**11.5132 J**	**100.6534**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		**1.836842**	**16.41837 J**	**0.12673 J**	**8.81169**	**8.62214 J**	**1.980921 J**	**81.13636 J**
Polycyclic Aromatic Hydrocarbons (µg/kg)								
1-Methylnaphthalene		**17 J**	**20**	**3.2 J**	**6.1**	**52**	**18**	**26**
2-Methylnaphthalene		**20**	**180**	**2.7 J**	**700**	**130**	**21**	**38**
Acenaphthene		**14 J**	**15 J**	4.8 U	**15 J**	**73**	**14 J**	**190**
Acenaphthylene		**4.3 J**	**16**	4.8 U	**7**	**42**	**7**	**9.5**
Anthracene		**28**	**74**	4.8 U	**46**	**130**	**34**	**260**
Benzo(a)anthracene		**30**	**180**	**2.4 J**	**96**	**160**	**45**	**1100**
Benzo(a)pyrene		**21**	**240**	4.8 U	**100**	**170**	**19**	**1200 J**
Benzo(b)fluoranthene		**18**	**260**	**2.6 J**	**120**	**160**	**26**	**390**
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-09_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-11_1312
	Depth	8.3 – 10.3 ft	0.5 – 2.5 ft	11.3 – 12.9 ft	2.5 – 4.5 ft	6 – 8 ft	9 – 11 ft	0 – 2 ft
	Sample ID	DSIP2-SB-09-8.3-10.3	DSIP2-SB-10-0.5-2.5	DSIP2-SB-10-11.3-12.9	DSIP2-SB-10-2.5-4.5	DSIP2-SB-10-6-8	DSIP2-SB-10-9-11	DSIP2-SB-11-0-2
	Sample Date	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N
	X	1268064.60	1268039.90	1268039.90	1268039.90	1268039.90	1268039.90	1267949.10
	Y	205002.51	205120.11	205120.11	205120.11	205120.11	205120.11	205009.33
	Screening Level							
Benzo(g,h,i)perylene		**12**	**170 J**	4.8 U	**56**	**120 J**	**26 J**	**330 J**
Benzo(k)fluoranthene		**8.1**	**120**	4.8 U	**57**	**78**	**12**	**190**
Carbazole		19 U	**25**	20 U	**17 J**	**34**	19 U	**140**
Chrysene		**39**	**230**	**3.1 J**	**120**	**190**	**49**	**1300**
Dibenzo(a,h)anthracene		4.8 U	**75 J**	4.8 U	**23**	**47 J**	**7.2 J**	**110 J**
Dibenzofuran		**25**	**17 J**	4.8 U	**14 J**	**94**	**23**	**100**
Fluoranthene		**120**	**370**	**4.3 J**	**290**	**380**	**120**	**3100**
Fluorene		**25**	**22**	4.8 U	**20**	**90**	**23**	**140**
Indeno(1,2,3-c,d)pyrene		**9.2**	**160 J**	4.8 U	**49**	**95 J**	**16 J**	**360 J**
Naphthalene		**34**	**35**	**3.3 J**	**18 J**	**380**	**29**	**72**
Phenanthrene		**68**	**180**	**5.5**	**130**	**260**	**68**	**1100**
Pyrene		**91**	**540**	**8.3**	**290**	**600**	**110**	**3400**
Total Benzofluoranthenes (b,j,k) (U = 0)		**26.1**	**380**	**2.6 J**	**177**	**238**	**38**	**580**
Total HPAH (SMS) (U = 0)		**348.3**	**2345 J**	**20.7 J**	**1201**	**2000 J**	**430.2 J**	**11480 J**
Total LPAH (SMS) (U = 0)		**173.3 J**	**342 J**	**8.8 J**	**236 J**	**975**	**175 J**	**1771.5**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	**27.92**	**321.8 J**	**0.531 J**	**135.7**	**225.9 J**	**30.11 J**	**1428 J**

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312
	Depth	10 – 12 ft	2 – 4 ft	4 – 6 ft	6.3 – 8.3 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft
	Sample ID	DSIP2-SB-11-10-12	DSIP2-SB-11-2-4	DSIP2-SB-11-4-6	DSIP2-SB-11-6.3-8.3	DSIP2-SB-12-0-2	DSIP2-SB-12-2-4	DSIP2-SB-12-4.5-6.5
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/17/2013	12/17/2013	12/17/2013
	Sample Type	N	N	N	N	N	N	N
	X	1267949.10	1267949.10	1267949.10	1267949.10	1268085.51	1268085.51	1268085.51
	Y	205009.33	205009.33	205009.33	205009.33	204804.91	204804.91	204804.91
	Screening Level							
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)								
1-Methylnaphthalene		**0.3758 J**	**18**	**1.646**	**53.942**	**0.844**	**2.968**	**1.294**
2-Methylnaphthalene	38	**0.3653 J**	**15.667**	**2.595**	**107.884**	**1.097**	**5.479**	**2.118**
Acenaphthene	16	0.4906 U	**8.667**	**2.278**	**107.884**	**0.97**	**3.653**	**4.412**
Acenaphthylene	66	0.4906 U	**2.733**	**1.519**	**2.988 J**	**0.844**	**1.507**	**0.706 J**
Anthracene	220	0.4906 U	**13.667**	**9.494**	**45.643**	**3.797**	**7.306**	**8.235**
Benzo(a)anthracene	110	0.4906 U	**22**	**14.557**	**25.311**	**10.97**	**25.571**	**27.059**
Benzo(a)pyrene	99	0.4906 U	**17.667**	**12.025**	**14.108**	**13.924**	**29.224**	**26.471**
Benzo(b)fluoranthene		0.4906 U	**13.667**	**8.228**	**5.394**	**13.08**	**21.918**	**17.647**
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--
Benzo(g,h,i)perylene	31	0.4906 U	**5.667**	**4.177**	**4.564**	**9.705 J**	**17.352 J**	**14.118 J**
Benzo(k)fluoranthene		0.4906 U	**6.667**	**3.924**	**2.531**	**5.907**	**13.699**	**8.235**
Carbazole		1.983 U	**7**	**1.772**	**24.066**	**1.435**	**3.973**	**5.235**
Chrysene	110	0.4906 U	**26**	**17.722**	**31.535**	**16.034**	**31.507**	**28.235**
Dibenzo(a,h)anthracene	12	0.4906 U	**1.967**	**1.139**	**1.577**	**4.219 J**	**8.219 J**	**7.059 J**
Dibenzofuran	15	0.4906 U	**9**	**2.468**	**74.689**	**1.224**	**3.014**	**2.118**
Fluoranthene	160	**0.261 J**	**66.667**	**50.633**	**107.884**	**19.831**	**73.059**	**70.588**
Fluorene	23	0.4906 U	**17.667**	**3.797**	**95.436**	**1.392**	**3.836**	**3.176**
Indeno(1,2,3-c,d)pyrene	34	0.4906 U	**5.333**	**3.481**	**4.149**	**8.439 J**	**17.352 J**	**14.118 J**
Naphthalene	99	**0.3758 J**	**56.667**	**8.861**	**124.481**	**1.646**	**17.352**	**2**
Phenanthrene	100	**0.5846**	**36.667**	**22.152**	**265.56**	**9.283**	**23.288**	**31.765**
Pyrene	1000	**0.2714 J**	**76.667**	**60.127**	**82.988**	**27.848**	**73.059**	**70.588**
Total Benzofluoranthenes (b,j,k) (U = 0)	230	0.4906 U	**20.333**	**12.152**	**7.925**	**18.987**	**35.616**	**25.882**
Total HPAH (SMS) (U = 0)	960	**0.5324 J**	**242.3**	**176.013**	**280.041**	**129.958 J**	**310.959 J**	**284.118 J**
Total LPAH (SMS) (U = 0)	370	**0.9603 J**	**136.067**	**48.101**	**641.992 J**	**17.932**	**56.941**	**50.294 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		0.490605 U	**22.89**	**15.33544**	**18.3195**	**18.34599 J**	**38.21461 J**	**34.16471 J**
Polycyclic Aromatic Hydrocarbons (µg/kg)								
1-Methylnaphthalene		**3.6 J**	**540**	**26**	**1300**	**20**	**65**	**22**
2-Methylnaphthalene		**3.5 J**	**470**	**41**	**2600**	**26**	**120**	**36**
Acenaphthene		4.7 U	**260**	**36**	**2600**	**23**	**80**	**75**
Acenaphthylene		4.7 U	**82**	**24**	**72 J**	**20**	**33**	**12 J**
Anthracene		4.7 U	**410**	**150**	**1100**	**90**	**160**	**140**
Benzo(a)anthracene		4.7 U	**660**	**230**	**610**	**260**	**560**	**460**
Benzo(a)pyrene		4.7 U	**530**	**190**	**340**	**330**	**640**	**450**
Benzo(b)fluoranthene		4.7 U	**410**	**130**	**130**	**310**	**480**	**300**
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--

Table 7-8c
Subsurface Sediment Results: PAHs

		Location ID	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312
		Depth	10 – 12 ft	2 – 4 ft	4 – 6 ft	6.3 – 8.3 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft
		Sample ID	DSIP2-SB-11-10-12	DSIP2-SB-11-2-4	DSIP2-SB-11-4-6	DSIP2-SB-11-6.3-8.3	DSIP2-SB-12-0-2	DSIP2-SB-12-2-4	DSIP2-SB-12-4.5-6.5
		Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/17/2013	12/17/2013	12/17/2013
		Sample Type	N	N	N	N	N	N	N
		X	1267949.10	1267949.10	1267949.10	1267949.10	1268085.51	1268085.51	1268085.51
		Y	205009.33	205009.33	205009.33	205009.33	204804.91	204804.91	204804.91
	Screening Level								
Benzo(g,h,i)perylene		4.7 U	170	66	110	230 J	380 J	240 J
Benzo(k)fluoranthene		4.7 U	200	62	61	140	300	140
Carbazole		19 U	210	28	580	34	87	89
Chrysene		4.7 U	780	280	760	380	690	480
Dibenzo(a,h)anthracene		4.7 U	59	18	38	100 J	180 J	120 J
Dibenzofuran		4.7 U	270	39	1800	29	66	36
Fluoranthene		2.5 J	2000	800	2600	470	1600	1200
Fluorene		4.7 U	530	60	2300	33	84	54
Indeno(1,2,3-c,d)pyrene		4.7 U	160	55	100	200 J	380 J	240 J
Naphthalene		3.6 J	1700	140	3000	39	380	34
Phenanthrene		5.6	1100	350	6400	220	510	540
Pyrene		2.6 J	2300	950	2000	660	1600	1200
Total Benzofluoranthenes (b,j,k) (U = 0)		4.7 U	610	192	191	450	780	440
Total HPAH (SMS) (U = 0)		5.1 J	7269	2781	6749	3080 J	6810 J	4830 J
Total LPAH (SMS) (U = 0)		9.2 J	4082	760	15472 J	425	1247	855 J
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	4.7 U	686.7	242.3	441.5	434.8 J	836.9 J	580.8 J

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSI-SB-01
	Depth	6.5 – 8.5 ft	6.5 – 8.5 ft	8.5 – 10.3 ft	0.3 – 2.3 ft	2.3 – 4.3 ft	5 – 7.5 ft	8 – 10 ft	1 – 2 ft
	Sample ID	DSIP2-SB-12-6.5-8.5	DSIP2-SB-62-6.5-8.5	DSIP2-SB-12-8.5-10.3	DSIP2-SB-14-0.3-2.3	DSIP2-SB-14-2.3-4.3	DSIP2-SB-14-5-7.5	DSIP2-SB-14-8-10	DSI-SB-01-1-2
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	3/10/2011
	Sample Type	N	FD	N	N	N	N	N	N
	X	1268085.51	1268085.51	1268085.51	1268107.89	1268107.89	1268107.89	1268107.89	1268042.69
	Y	204804.91	204804.91	204804.91	204304.40	204304.40	204304.40	204304.40	204252.04
	Screening Level								
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)									
1-Methylnaphthalene		**2.653**	**2.89**	**0.8791 J**	**0.456**	**2.067**	2.8 U	1.526 U	**0.5765 J**
2-Methylnaphthalene	38	**3.929**	**6.422**	**0.9231 J**	**0.646**	**1.971 J**	2.8 U	**0.9091 J**	**1 J**
Acenaphthene	16	**4.643**	**6.881**	**0.7692 J**	**0.38**	**6.25**	2.8 U	1.526 U	**0.941 J**
Acenaphthylene	66	**1.327**	**1.514**	**0.7033 J**	**0.722**	**1.587**	2.8 U	1.526 U	**1.765**
Anthracene	220	**11.735**	**17.431**	**2.857 J**	**2.662**	**25.481**	2.8 U	1.526 U	**4**
Benzo(a)anthracene	110	**37.755**	**45.872**	**7.033**	**7.224**	**47.115**	**7.429 J**	1.526 U	**12.941**
Benzo(a)pyrene	99	**34.184**	**44.495**	**7.253**	**9.125**	**46.154**	2.8 U	1.526 U	**17.647**
Benzo(b)fluoranthene		**22.959**	**30.734**	**6.593**	**9.506**	**39.904**	**1.4286 J**	1.526 U	--
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--	**49.412**
Benzo(g,h,i)perylene	31	**17.857 J**	**22.018 J**	**4.396**	**5.323 J**	**21.635**	2.8 U	1.526 U	**9.412**
Benzo(k)fluoranthene		**13.776**	**16.514**	**3.736**	**4.563**	**23.077**	2.8 U	1.526 U	--
Carbazole		**7.143**	**8.257**	4.176 U	2.205 U	**6.731**	11.429 U	6.169 U	--
Chrysene	110	**39.796**	**50.459**	**6.813**	**10.646**	**57.692**	**1.6 J**	1.526 U	**24.706**
Dibenzo(a,h)anthracene	12	**9.694 J**	**11.009 J**	**1.3187**	**2.548 J**	**10.577 J**	2.8 U	1.526 U	**3.941**
Dibenzofuran	15	**5.612**	**6.422**	**0.8571 J**	**0.646**	**3.51**	2.8 U	1.526 U	**1.176**
Fluoranthene	160	**96.939**	**119.266**	**13.187**	**15.209**	**125**	**4.8**	1.526 U	**17.647**
Fluorene	23	**7.143**	**9.174**	**0.8571 J**	**0.684**	**7.212**	2.8 U	1.526 U	**1.471**
Indeno(1,2,3-c,d)pyrene	34	**18.367 J**	**22.477 J**	**3.516**	**4.943 J**	**21.635**	2.8 U	1.526 U	**9.412**
Naphthalene	99	**4.592**	**5.963**	**3.297 J**	**1.217 J**	**4.663**	2.8 U	1.526 U	**1.529**
Phenanthrene	100	**34.694**	**50.459**	**7.912**	**5.703**	**76.923**	**2.3429 J**	**1.2013 J**	**8.235**
Pyrene	1000	**91.837**	**110.092**	**26.374**	**24.335**	**149.038**	**4.5143**	**0.8766 J**	**45.294**
Total Benzofluoranthenes (b,j,k) (U = 0)	230	**36.735**	**47.248**	**10.33**	**14.068**	**62.981**	**1.4286 J**	1.526 U	**49.412**
Total HPAH (SMS) (U = 0)	960	**383.163 J**	**472.936 J**	**80.2198**	**93.422 J**	**541.827 J**	**19.7714 J**	**0.8766 J**	**190.412**
Total LPAH (SMS) (U = 0)	370	**64.133**	**91.422**	**16.3956 J**	**11.369 J**	**122.115**	**2.3429 J**	**1.2013 J**	**17.941 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		**44.83673 J**	**57.66055 J**	**9.540659**	**12.11027 J**	**60.96154 J**	**0.901714 J**	1.525974 U	**25.46471**
Polycyclic Aromatic Hydrocarbons (µg/kg)									
1-Methylnaphthalene		**52**	**63**	**4 J**	**12**	**43**	4.9 U	4.7 U	**9.8 J**
2-Methylnaphthalene		**77**	**140**	**4.2 J**	**17**	**41 J**	4.9 U	**2.8 J**	**17 J**
Acenaphthene		**91**	**150**	**3.5 J**	**10**	**130**	4.9 U	4.7 U	**16 J**
Acenaphthylene		**26**	**33**	**3.2 J**	**19**	**33**	4.9 U	4.7 U	**30**
Anthracene		**230**	**380**	**13 J**	**70**	**530**	4.9 U	4.7 U	**68**
Benzo(a)anthracene		**740**	**1000**	**32**	**190**	**980**	**13 J**	4.7 U	**220**
Benzo(a)pyrene		**670**	**970**	**33**	**240**	**960**	4.9 U	4.7 U	**300**
Benzo(b)fluoranthene		**450**	**670**	**30**	**250**	**830**	**2.5 J**	4.7 U	--
Benzo(b,j,k)fluoranthenes		--	--	--	--	--	--	--	**840**

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSI-SB-01
	Depth	6.5 – 8.5 ft	6.5 – 8.5 ft	8.5 – 10.3 ft	0.3 – 2.3 ft	2.3 – 4.3 ft	5 – 7.5 ft	8 – 10 ft	1 – 2 ft
	Sample ID	DSIP2-SB-12-6.5-8.5	DSIP2-SB-62-6.5-8.5	DSIP2-SB-12-8.5-10.3	DSIP2-SB-14-0.3-2.3	DSIP2-SB-14-2.3-4.3	DSIP2-SB-14-5-7.5	DSIP2-SB-14-8-10	DSI-SB-01-1-2
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	3/10/2011
	Sample Type	N	FD	N	N	N	N	N	N
	X	1268085.51	1268085.51	1268085.51	1268107.89	1268107.89	1268107.89	1268107.89	1268042.69
	Y	204804.91	204804.91	204804.91	204304.40	204304.40	204304.40	204304.40	204252.04
	Screening Level								
Benzo(g,h,i)perylene		**350 J**	**480 J**	**20**	**140 J**	**450**	4.9 U	4.7 U	**160**
Benzo(k)fluoranthene		**270**	**360**	**17**	**120**	**480**	4.9 U	4.7 U	--
Carbazole		**140**	**180**	19 U	58 U	**140**	20 U	19 U	--
Chrysene		**780**	**1100**	**31**	**280**	**1200**	**2.8 J**	4.7 U	**420**
Dibenzo(a,h)anthracene		**190 J**	**240 J**	**6**	**67 J**	**220 J**	4.9 U	4.7 U	**67**
Dibenzofuran		**110**	**140**	**3.9 J**	**17**	**73**	4.9 U	4.7 U	**20**
Fluoranthene		**1900**	**2600**	**60**	**400**	**2600**	**8.4**	4.7 U	**300**
Fluorene		**140**	**200**	**3.9 J**	**18**	**150**	4.9 U	4.7 U	**25**
Indeno(1,2,3-c,d)pyrene		**360 J**	**490 J**	**16**	**130 J**	**450**	4.9 U	4.7 U	**160**
Naphthalene		**90**	**130**	**15 J**	**32 J**	**97**	4.9 U	4.7 U	**26**
Phenanthrene		**680**	**1100**	**36**	**150**	**1600**	**4.1 J**	**3.7 J**	**140**
Pyrene		**1800**	**2400**	**120**	**640**	**3100**	**7.9**	**2.7 J**	**770**
Total Benzofluoranthenes (b,j,k) (U = 0)		**720**	**1030**	**47**	**370**	**1310**	**2.5 J**	4.7 U	**840**
Total HPAH (SMS) (U = 0)		**7510 J**	**10310 J**	**365**	**2457 J**	**11270 J**	**34.6 J**	**2.7 J**	**3237**
Total LPAH (SMS) (U = 0)		**1257**	**1993**	**74.6 J**	**299 J**	**2540**	**4.1 J**	**3.7 J**	**305 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	**878.8 J**	**1257 J**	**43.41**	**318.5 J**	**1268 J**	**1.578 J**	4.7 U	**432.9**

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSI-SB-01	DSI-SB-01	DSI-SB-01	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-03	DSI-SB-03
	Depth	2 – 3.1 ft	3.1 – 4 ft	5 – 6 ft	1 – 2.3 ft	3.7 – 5.2 ft	5.2 – 7 ft	8.5 – 10 ft	1 – 2 ft	10.4 – 11.1 ft
	Sample ID	DSI-SB-01-2-3.1	DSI-SB-01-3.1-4	DSI-SB-01-5-6	DSI-SB-02-1-2.3	DSI-SB-02-3.7-5.2	DSI-SB-02-5.2-7	DSI-SB-02-8.5-10	DSI-SB-03-1-2	DSI-SB-03-10.4-11.1
	Sample Date	3/10/2011	3/10/2011	3/10/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N	N	N	N	N	N	N
	X	1268042.69	1268042.69	1268042.69	1268229.03	1268229.03	1268229.03	1268229.03	1268175.77	1268175.77
	Y	204252.04	204252.04	204252.04	204122.15	204122.15	204122.15	204122.15	204299.56	204299.56
	Screening Level									
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)										
1-Methylnaphthalene		**1.111 J**	**3.213 J**	9.677 U	0.788 U	**0.809**	2.19 U	2.901 U	**0.34 J**	**3.653 J**
2-Methylnaphthalene	38	**1.905**	3.815 U	9.677 U	0.788 U	**1.04**	2.19 U	2.901 U	**0.544 J**	**3.425 J**
Acenaphthene	16	**2.46**	3.815 U	9.677 U	0.788 U	**2.225**	2.19 U	2.901 U	**0.612 J**	**17.352**
Acenaphthylene	66	**1.111 J**	3.815 U	9.677 U	0.788 U	0.636 U	2.19 U	2.901 U	0.646 U	**3.425 J**
Anthracene	220	**7.222**	3.815 U	9.677 U	**1.452**	**6.069**	**1.338 J**	2.901 U	**2.211**	**25.114**
Benzo(a)anthracene	110	**24.603**	**6.024**	9.677 U	**4.564**	**19.653**	**3.893**	2.901 U	**7.483**	**82.192**
Benzo(a)pyrene	99	**24.603**	**4.418**	9.677 U	**4.564**	**15.607**	**3.893**	2.901 U	**8.844**	**63.927**
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--	--
Benzo(b,j,k)fluoranthenes		**53.968**	**12.651**	9.677 U	**11.618**	**34.682**	**10.584**	2.901 U	**22.789**	**141.553**
Benzo(g,h,i)perylene	31	**11.905**	**3.414 J**	9.677 U	**3.154**	**9.538**	**3.285**	2.901 U	**5.442**	**38.356**
Benzo(k)fluoranthene		--	--	--	--	--	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--	--
Chrysene	110	**34.127 J**	**12.651**	9.677 U	**6.224**	**23.699**	**4.866**	2.901 U	**12.245**	**95.89**
Dibenzo(a,h)anthracene	12	**3.889**	3.815 U	9.677 U	**0.788**	**3.179**	2.19 U	2.901 U	**2.075**	**11.872**
Dibenzofuran	15	**1.746**	**4.016**	9.677 U	0.788 U	**1.763**	2.19 U	2.901 U	**0.714**	**8.219**
Fluoranthene	160	**70.635**	**12.851**	9.677 U	**10.373**	**54.913**	**7.299**	2.901 U	**11.565**	**223.744**
Fluorene	23	**3.016**	3.815 U	9.677 U	**0.996**	**2.052**	2.19 U	2.901 U	**0.85**	**13.699**
Indeno(1,2,3-c,d)pyrene	34	**12.698**	**2.209 J**	9.677 U	**2.822**	**8.671**	**2.92**	2.901 U	**5.102**	**37.9**
Naphthalene	99	**1.27 J**	3.815 U	9.677 U	**1.577**	**1.763**	**1.582 J**	2.901 U	**0.986**	**11.416**
Phenanthrene	100	**28.571**	**34.137 J**	9.677 U	**4.564**	**17.052**	**4.258**	2.901 U	**6.463**	**95.89**
Pyrene	1000	**74.603**	**30.12**	9.677 U	**10.788**	**46.243**	**15.815**	2.901 U	**27.211**	**187.215**
Total Benzofluoranthenes (b,j,k) (U = 0)	230	**53.968**	**12.651**	9.677 U	**11.618**	**34.682**	**10.584**	2.901 U	**22.789**	**141.553**
Total HPAH (SMS) (U = 0)	960	**311.032 J**	**84.337 J**	9.677 U	**54.896**	**216.185**	**52.555**	2.901 U	**102.755**	**882.648**
Total LPAH (SMS) (U = 0)	370	**43.651 J**	**34.137 J**	9.677 U	**8.589**	**29.162**	**7.178 J**	2.901 U	**11.122 J**	**166.895 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		**34.46032 J**	**6.63253 J**	9.67742 U	**6.60581**	**22.46243**	**5.68127**	2.90076 U	**12.71088**	**92.23744**
Polycyclic Aromatic Hydrocarbons (µg/kg)										
1-Methylnaphthalene		**14 J**	**16 J**	18 U	19 U	**28**	18 U	19 U	**10 J**	**80 J**
2-Methylnaphthalene		**24**	19 U	18 U	19 U	**36**	18 U	19 U	**16 J**	**75 J**
Acenaphthene		**31**	19 U	18 U	19 U	**77**	18 U	19 U	**18 J**	**380**
Acenaphthylene		**14 J**	19 U	18 U	19 U	22 U	18 U	19 U	19 U	**75 J**
Anthracene		**91**	19 U	18 U	**35**	**210**	**11 J**	19 U	**65**	**550**
Benzo(a)anthracene		**310**	**30**	18 U	**110**	**680**	**32**	19 U	**220**	**1800**
Benzo(a)pyrene		**310**	**22**	18 U	**110**	**540**	**32**	19 U	**260**	**1400**
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--	--
Benzo(b,j,k)fluoranthenes		**680**	**63**	18 U	**280**	**1200**	**87**	19 U	**670**	**3100**

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSI-SB-01	DSI-SB-01	DSI-SB-01	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-03	DSI-SB-03
	Depth	2 – 3.1 ft	3.1 – 4 ft	5 – 6 ft	1 – 2.3 ft	3.7 – 5.2 ft	5.2 – 7 ft	8.5 – 10 ft	1 – 2 ft	10.4 – 11.1 ft
	Sample ID	DSI-SB-01-2-3.1	DSI-SB-01-3.1-4	DSI-SB-01-5-6	DSI-SB-02-1-2.3	DSI-SB-02-3.7-5.2	DSI-SB-02-5.2-7	DSI-SB-02-8.5-10	DSI-SB-03-1-2	DSI-SB-03-10.4-11.1
	Sample Date	3/10/2011	3/10/2011	3/10/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N	N	N	N	N	N	N
	X	1268042.69	1268042.69	1268042.69	1268229.03	1268229.03	1268229.03	1268229.03	1268175.77	1268175.77
	Y	204252.04	204252.04	204252.04	204122.15	204122.15	204122.15	204122.15	204299.56	204299.56
	Screening Level									
Benzo(g,h,i)perylene		**150**	**17 J**	18 U	**76**	**330**	**27**	19 U	**160**	**840**
Benzo(k)fluoranthene		--	--	--	--	--	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--	--
Chrysene		**430 J**	**63**	18 U	**150**	**820**	**40**	19 U	**360**	**2100**
Dibenzo(a,h)anthracene		**49**	19 U	18 U	**19**	**110**	18 U	19 U	**61**	**260**
Dibenzofuran		**22**	**20**	18 U	19 U	**61**	18 U	19 U	**21**	**180**
Fluoranthene		**890**	**64**	18 U	**250**	**1900**	**60**	19 U	**340**	**4900**
Fluorene		**38**	19 U	18 U	**24**	**71**	18 U	19 U	**25**	**300**
Indeno(1,2,3-c,d)pyrene		**160**	**11 J**	18 U	**68**	**300**	**24**	19 U	**150**	**830**
Naphthalene		**16 J**	19 U	18 U	**38**	**61**	**13 J**	19 U	**29**	**250**
Phenanthrene		**360**	**170 J**	18 U	**110**	**590**	**35**	19 U	**190**	**2100**
Pyrene		**940**	**150**	18 U	**260**	**1600**	**130**	19 U	**800**	**4100**
Total Benzofluoranthenes (b,j,k) (U = 0)		**680**	**63**	18 U	**280**	**1200**	**87**	19 U	**670**	**3100**
Total HPAH (SMS) (U = 0)		**3919 J**	**420 J**	18 U	**1323**	**7480**	**432**	19 U	**3021**	**19330**
Total LPAH (SMS) (U = 0)		**550 J**	**170 J**	18 U	**207**	**1009**	**59 J**	19 U	**327 J**	**3655 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	**434.2 J**	**33.03 J**	18 U	**159.2**	**777.2**	**46.7**	19 U	**373.7**	**2020**

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-05
	Depth	11.1 – 11.6 ft	5.8 – 7 ft	9.5 – 10.4 ft	1 – 2 ft	4 – 5 ft	7 – 8.3 ft	8.3 – 9.3 ft	9.3 – 10.9 ft	1 – 2 ft
	Sample ID	DSI-SB-03-11.1-11.6	DSI-SB-03-5.8-7	DSI-SB-03-9.5-10.4	DSI-SB-04-1-2	DSI-SB-04-4-5	DSI-SB-04-7-8.3	DSI-SB-04-8.3-9.3	DSI-SB-04-9.3-10.9	DSI-SB-05-1-2
	Sample Date	3/14/2011	3/14/2011	3/14/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/10/2011
	Sample Type	N	N	N	N	N	N	N	N	N
	X	1268175.77	1268175.77	1268175.77	1268149.81	1268149.81	1268149.81	1268149.81	1268149.81	1268087.01
	Y	204299.56	204299.56	204299.56	204408.42	204408.42	204408.42	204408.42	204408.42	204645.92
	Screening Level									
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)										
1-Methylnaphthalene		2.09 U	**2.139**	**1.807**	**1.024**	**0.62 J**	**19.394**	5.975 U	2.647 U	**0.703 J**
2-Methylnaphthalene	38	2.09 U	**2.775**	**2.329**	**1.575**	**1.033**	**6.667**	5.975 U	2.647 U	**1.081**
Acenaphthene	16	2.09 U	**18.497**	**5.221**	**5.906**	**1.24**	**115.152**	**26.205**	**10.735**	**1.676**
Acenaphthylene	66	2.09 U	**0.636 J**	**1.124**	**1.26**	**1.074**	**4.424**	5.975 U	2.647 U	**1.838**
Anthracene	220	2.09 U	**10.405**	**6.426**	**13.78**	**5.372**	**60.606**	**23.061**	2.647 U	**14.595**
Benzo(a)anthracene	110	**3.448**	**26.012**	**18.474**	**29.921**	**15.702**	**157.576 J**	**78.616**	2.647 U	**32.432**
Benzo(a)pyrene	99	**2.299**	**16.763**	**13.655**	**25.984**	**18.182**	**96.97 J**	**47.17**	2.647 U	**34.595**
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--	--
Benzo(b,j,k)fluoranthenes		**5.434**	**35.26**	**29.719**	**55.118**	**40.909**	**193.939 J**	**115.304**	2.647 U	**81.081**
Benzo(g,h,i)perylene	31	**1.672 J**	**9.249**	**8.032**	**15.354**	**9.504**	**43.636**	**35.639**	2.647 U	**14.054**
Benzo(k)fluoranthene		--	--	--	--	--	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--	--
Chrysene	110	**3.866**	**30.058**	**22.088**	**43.307**	**21.488**	**145.455**	**87.002**	2.647 U	**49.189**
Dibenzo(a,h)anthracene	12	2.09 U	**3.873**	**3.012**	**5.118**	**3.306**	**18.788**	**11.53**	2.647 U	**5.946**
Dibenzofuran	15	2.09 U	**10.405**	**2.972**	**4.331**	**1.074**	**15.152**	**12.579**	2.647 U	**1.622**
Fluoranthene	160	**11.494**	**92.486**	**48.193**	**66.929**	**24.793**	--	**230.608**	**2.353 J**	**43.784**
Fluorene	23	2.09 U	**14.451**	**4.819**	**7.48**	**1.529**	**25.455**	**10.482**	2.647 U	**2.973**
Indeno(1,2,3-c,d)pyrene	34	**1.358 J**	**9.249**	**7.631**	**14.961**	**9.091**	**47.273**	**32.495**	2.647 U	**14.595**
Naphthalene	99	2.09 U	**6.358**	**8.434**	**3.622**	**1.612**	**47.879 J**	**12.579**	**2.647**	**2.486**
Phenanthrene	100	**2.926**	**52.023**	**28.112**	**59.055**	**11.157**	**181.818**	**136.268**	**6.912**	**19.459**
Pyrene	1000	**9.404**	**98.266**	**52.209**	**70.866**	**57.851**	**466.667**	**199.161**	**2.206 J**	**59.459**
Total Benzofluoranthenes (b,j,k) (U = 0)	230	**5.434**	**35.26**	**29.719**	**55.118**	**40.909**	**193.939 J**	**115.304**	2.647 U	**81.081**
Total HPAH (SMS) (U = 0)	960	**38.976 J**	**321.214**	**203.012**	**327.559**	**200.826**	**1170.303 J**	**837.526**	**4.559 J**	**335.135**
Total LPAH (SMS) (U = 0)	370	**2.926**	**102.37 J**	**54.137**	**91.102**	**21.983**	**435.333 J**	**208.595**	**20.294**	**43.027**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		**3.36155 J**	**24.50289**	**19.75904**	**36.92913**	**25.29752**	**140.18182 J**	**71.83438**	2.64706 U	**48.49189**
Polycyclic Aromatic Hydrocarbons (µg/kg)										
1-Methylnaphthalene		20 U	**37**	**45**	**26**	**15 J**	**320**	57 U	18 U	**13 J**
2-Methylnaphthalene		20 U	**48**	**58**	**40**	**25**	**110**	57 U	18 U	**20**
Acenaphthene		20 U	**320**	**130**	**150**	**30**	**1900**	**250**	**73**	**31**
Acenaphthylene		20 U	**11 J**	**28**	**32**	**26**	**73**	57 U	18 U	**34**
Anthracene		20 U	**180**	**160**	**350**	**130**	**1000**	**220**	18 U	**270**
Benzo(a)anthracene		**33**	**450**	**460**	**760**	**380**	**2600 J**	**750**	18 U	**600**
Benzo(a)pyrene		**22**	**290**	**340**	**660**	**440**	**1600 J**	**450**	18 U	**640**
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--	--
Benzo(b,j,k)fluoranthenes		**52**	**610**	**740**	**1400**	**990**	**3200 J**	**1100**	18 U	**1500**

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-05
	Depth	11.1 – 11.6 ft	5.8 – 7 ft	9.5 – 10.4 ft	1 – 2 ft	4 – 5 ft	7 – 8.3 ft	8.3 – 9.3 ft	9.3 – 10.9 ft	1 – 2 ft
	Sample ID	DSI-SB-03-11.1-11.6	DSI-SB-03-5.8-7	DSI-SB-03-9.5-10.4	DSI-SB-04-1-2	DSI-SB-04-4-5	DSI-SB-04-7-8.3	DSI-SB-04-8.3-9.3	DSI-SB-04-9.3-10.9	DSI-SB-05-1-2
	Sample Date	3/14/2011	3/14/2011	3/14/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/10/2011
	Sample Type	N	N	N	N	N	N	N	N	N
	X	1268175.77	1268175.77	1268175.77	1268149.81	1268149.81	1268149.81	1268149.81	1268149.81	1268087.01
	Y	204299.56	204299.56	204299.56	204408.42	204408.42	204408.42	204408.42	204408.42	204645.92
	Screening Level									
Benzo(g,h,i)perylene		16 J	160	200	390	230	720	340	18 U	260
Benzo(k)fluoranthene		--	--	--	--	--	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--	--
Chrysene		37	520	550	1100	520	2400	830	18 U	910
Dibenzo(a,h)anthracene		20 U	67	75	130	80	310	110	18 U	110
Dibenzofuran		20 U	180	74	110	26	250	120	18 U	30
Fluoranthene		110	1600	1200	1700	600	--	2200	16 J	810
Fluorene		20 U	250	120	190	37	420	100	18 U	55
Indeno(1,2,3-c,d)pyrene		13 J	160	190	380	220	780	310	18 U	270
Naphthalene		20 U	110	210	92	39	790 J	120	18	46
Phenanthrene		28	900	700	1500	270	3000	1300	47	360
Pyrene		90	1700	1300	1800	1400	7700	1900	15 J	1100
Total Benzofluoranthenes (b,j,k) (U = 0)		52	610	740	1400	990	3200 J	1100	18 U	1500
Total HPAH (SMS) (U = 0)		373 J	5557	5055	8320	4860	19310 J	7990	31 J	6200
Total LPAH (SMS) (U = 0)		28	1771 J	1348	2314	532	7183 J	1990	138	796
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	32.17 J	423.9	492	938	612.2	2313 J	685.3	18 U	897.1

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-06	DSI-SB-06	DSI-SB-06	DSI-SB-07	DSI-SB-07
	Depth	3 – 4 ft	6 – 7 ft	8 – 9.3 ft	9.3 – 11 ft	1 – 2 ft	5 – 6.5 ft	9.6 – 11 ft	1 – 2 ft	10.5 – 11.9 ft
	Sample ID	DSI-SB-05-3-4	DSI-SB-05-6-7	DSI-SB-05-8-9.3	DSI-SB-05-9.3-11	DSI-SB-06-1-2	DSI-SB-06-5-6.5	DSI-SB-06-9.6-11	DSI-SB-07-1-2	DSI-SB-07-10.5-11.9
	Sample Date	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/11/2011	3/11/2011	3/11/2011	3/9/2011	3/9/2011
	Sample Type	N	N	N	N	N	N	N	N	N
	X	1268087.01	1268087.01	1268087.01	1268087.01	1268024.88	1268024.88	1268024.88	1267979.72	1267979.72
	Y	204645.92	204645.92	204645.92	204645.92	204754.84	204754.84	204754.84	204866.56	204866.56
	Screening Level									
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)										
1-Methylnaphthalene		**0.5 J**	**1.235**	**3.254**	5.696 U	**0.396 J**	**1.189**	1.682 U	**0.449 J**	**93.407**
2-Methylnaphthalene	38	**0.917**	**1.412**	**4.048**	5.696 U	**0.612 J**	**2.203**	1.682 U	**0.816**	**142.857**
Acenaphthene	16	**2**	**10.588**	**16.667**	5.696 U	**1.043**	**2.026**	**2.523**	**1.347**	**148.352**
Acenaphthylene	66	0.75 U	**1.412**	**1.825**	5.696 U	**0.827**	1.233 U	1.682 U	**0.776 J**	**2.637**
Anthracene	220	**5.417**	**15.882**	**45.238**	5.696 U	**3.309**	**6.167**	**3.738 J**	**3.878**	**54.396**
Benzo(a)anthracene	110	**14.167**	**58.235**	**134.921**	5.696 U	**12.23**	**14.537**	**9.159 J**	**12.653**	**50.549**
Benzo(a)pyrene	99	**17.917**	**49.412**	**87.302**	5.696 U	**14.029**	**17.621**	**9.159 J**	**15.51**	**31.319**
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--	--
Benzo(b,j,k)fluoranthenes		**50**	**100**	**174.603**	5.696 U	**34.173**	**37.445**	**17.757 J**	**33.469**	**60.44**
Benzo(g,h,i)perylene	31	**12.083**	**21.176**	**38.889**	5.696 U	**8.633**	**7.048**	**5.421 J**	**6.939**	**13.187**
Benzo(k)fluoranthene		--	--	--	--	--	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--	--
Chrysene	110	**22.5**	**70.588**	**142.857**	5.696 U	**25.18**	**20.264**	**11.215 J**	**16.327**	**54.945**
Dibenzo(a,h)anthracene	12	**3.875**	**8.235**	**16.667**	5.696 U	**3.237**	**2.159**	**2.056**	**2.531**	**5.055**
Dibenzofuran	15	**1.333**	**2.941**	**10.317**	5.696 U	**0.935**	**2.379**	**2.056**	**1.143**	**104.396**
Fluoranthene	160	**32.5**	**141.176**	**563.492**	**2.9114 J**	**21.223**	**57.269**	**15.888 J**	**22.449**	**186.813**
Fluorene	23	**1.667**	**4.529**	**15.873**	5.696 U	**1.187**	**3.304**	**2.71**	**1.469**	**142.857**
Indeno(1,2,3-c,d)pyrene	34	**11.667**	**21.765**	**41.27**	5.696 U	**7.914**	**7.048**	**5.047 J**	**6.939**	**14.286**
Naphthalene	99	**2.792**	**2.294**	**13.492**	5.696 U	**1.259**	**4.405**	**9.346**	**2.082**	**478.022**
Phenanthrene	100	**17.5**	**37.647**	**190.476**	5.696 U	**9.712**	**14.537**	**9.346**	**10.612**	**384.615**
Pyrene	1000	**54.167**	**164.706**	**468.254**	5.696 U	**33.094**	**39.648**	**46.729 J**	**57.143**	**148.352**
Total Benzofluoranthenes (b,j,k) (U = 0)	230	**50**	**100**	**174.603**	5.696 U	**34.173**	**37.445**	**17.757 J**	**33.469**	**60.44**
Total HPAH (SMS) (U = 0)	960	**218.875**	**635.294**	**1668.254**	**2.9114 J**	**159.712**	**203.04**	**122.43 J**	**173.959**	**564.945**
Total LPAH (SMS) (U = 0)	370	**29.375**	**72.353**	**283.571**	5.696 U	**17.338**	**30.441**	**27.664 J**	**20.163 J**	**1210.879**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		**26.1125**	**68.94118**	**125.47619**	5.6962 U	**20.03597**	**23.94273**	**12.6729 J**	**21.23265**	**44.9011**
Polycyclic Aromatic Hydrocarbons (µg/kg)										
1-Methylnaphthalene		**12 J**	**21**	**41**	18 U	**11 J**	**27**	18 U	**11 J**	**1700**
2-Methylnaphthalene		**22**	**24**	**51**	18 U	**17 J**	**50**	18 U	**20**	**2600**
Acenaphthene		**48**	**180**	**210**	18 U	**29**	**46**	**27**	**33**	**2700**
Acenaphthylene		18 U	**24**	**23**	18 U	**23**	28 U	18 U	**19 J**	**48**
Anthracene		**130**	**270**	**570**	18 U	**92**	**140**	**40 J**	**95**	**990**
Benzo(a)anthracene		**340**	**990**	**1700**	18 U	**340**	**330**	**98 J**	**310**	**920**
Benzo(a)pyrene		**430**	**840**	**1100**	18 U	**390**	**400**	**98 J**	**380**	**570**
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--	--
Benzo(b,j,k)fluoranthenes		**1200**	**1700**	**2200**	18 U	**950**	**850**	**190 J**	**820**	**1100**

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-06	DSI-SB-06	DSI-SB-06	DSI-SB-07	DSI-SB-07
	Depth	3 – 4 ft	6 – 7 ft	8 – 9.3 ft	9.3 – 11 ft	1 – 2 ft	5 – 6.5 ft	9.6 – 11 ft	1 – 2 ft	10.5 – 11.9 ft
	Sample ID	DSI-SB-05-3-4	DSI-SB-05-6-7	DSI-SB-05-8-9.3	DSI-SB-05-9.3-11	DSI-SB-06-1-2	DSI-SB-06-5-6.5	DSI-SB-06-9.6-11	DSI-SB-07-1-2	DSI-SB-07-10.5-11.9
	Sample Date	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/11/2011	3/11/2011	3/11/2011	3/9/2011	3/9/2011
	Sample Type	N	N	N	N	N	N	N	N	N
	X	1268087.01	1268087.01	1268087.01	1268087.01	1268024.88	1268024.88	1268024.88	1267979.72	1267979.72
	Y	204645.92	204645.92	204645.92	204645.92	204754.84	204754.84	204754.84	204866.56	204866.56
	Screening Level									
Benzo(g,h,i)perylene		290	360	490	18 U	240	160	58 J	170	240
Benzo(k)fluoranthene		--	--	--	--	--	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--	--
Chrysene		540	1200	1800	18 U	700	460	120 J	400	1000
Dibenzo(a,h)anthracene		93	140	210	18 U	90	49	22	62	92
Dibenzofuran		32	50	130	18 U	26	54	22	28	1900
Fluoranthene		780	2400	7100	9.2 J	590	1300	170 J	550	3400
Fluorene		40	77	200	18 U	33	75	29	36	2600
Indeno(1,2,3-c,d)pyrene		280	370	520	18 U	220	160	54 J	170	260
Naphthalene		67	39	170	18 U	35	100	100	51	8700
Phenanthrene		420	640	2400	18 U	270	330	100	260	7000
Pyrene		1300	2800	5900	18 U	920	900	500 J	1400	2700
Total Benzofluoranthenes (b,j,k) (U = 0)		1200	1700	2200	18 U	950	850	190 J	820	1100
Total HPAH (SMS) (U = 0)		5253	10800	21020	9.2 J	4440	4609	1310 J	4262	10282
Total LPAH (SMS) (U = 0)		705	1230	3573	18 U	482	691	296 J	494 J	22038
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	626.7	1172	1581	18 U	557	543.5	135.6 J	520.2	817.2

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-08	DSI-SB-08	DSI-SB-08	DSI-SB-08	DSI-SB-09
	Depth	11.9 – 12.3 ft	3.5 – 4.5 ft	6.5 – 7.5 ft	1 – 2 ft	12 – 13.3 ft	4 – 5 ft	7 – 8.7 ft	1 – 2 ft
	Sample ID	DSI-SB-07-11.9-12.3	DSI-SB-07-3.5-4.5	DSI-SB-07-6.5-7.5	DSI-SB-08-1-2	DSI-SB-08-12-13.3	DSI-SB-08-4-5	DSI-SB-08-7-8.7	DSI-SB-09-1-2
	Sample Date	3/9/2011	3/9/2011	3/9/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/10/2011
	Sample Type	N	N	N	N	N	N	N	N
	X	1267979.72	1267979.72	1267979.72	1268253.10	1268253.10	1268253.10	1268253.10	1268195.47
	Y	204866.56	204866.56	204866.56	204225.29	204225.29	204225.29	204225.29	204416.39
	Screening Level								
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)									
1-Methylnaphthalene		7.38	2.261	1.303	0.651 U	3.632	0.588 J	2.788	0.862
2-Methylnaphthalene	38	9.519	4.824	1.933	0.651 U	2.607	0.784 J	2.885	1.466
Acenaphthene	16	32.086	11.558	3.277	0.651 U	17.949	0.882 J	13.462	1.164
Acenaphthylene	66	2.032	1.457	1.008	0.651 U	1.282 U	0.98 U	2.885 U	1.379
Anthracene	220	9.626	22.111	6.303	4.11	28.205	2.059	40.385	4.741
Benzo(a)anthracene	110	56.684 J	55.276	10.924	8.219	59.829	7.843	105.769	13.362
Benzo(a)pyrene	99	49.198	37.688	8.824	6.507	41.88	10.784	68.269	16.81
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--
Benzo(b,j,k)fluoranthenes		100.535 J	90.452	20.168	16.781	81.197	25.98	144.231	41.81
Benzo(g,h,i)perylene	31	25.668	18.09	5.462	4.11	23.077	7.353	38.462	10.776
Benzo(k)fluoranthene		--	--	--	--	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--
Chrysene	110	66.31 J	70.352	13.445	11.986	59.829	10.784	115.385	19.828
Dibenzo(a,h)anthracene	12	9.84	8.04	2.605	1.575	7.692	2.255	12.5	3.147
Dibenzofuran	15	4.385	11.055	2.605	0.651 U	10.256	0.882 J	4.615	1.638
Fluoranthene	160	101.604	145.729	30.672	16.096	141.026	15.686	317.308	21.552
Fluorene	23	6.417	30.151	5.882	1.027	14.103	0.882 J	11.538	1.638
Indeno(1,2,3-c,d)pyrene	34	23.529	19.095	4.622	3.767	23.504	6.863	38.462	9.483
Naphthalene	99	60.963	5.025	5.042	0.719	55.556	1.324	4.135	3.103
Phenanthrene	100	18.182	120.603	23.95	6.164	85.47	7.353	125	10.776
Pyrene	1000	128.342	130.653	34.034	17.808	123.932	31.863	269.231	37.069
Total Benzofluoranthenes (b,j,k) (U = 0)	230	100.535 J	90.452	20.168	16.781	81.197	25.98	144.231	41.81
Total HPAH (SMS) (U = 0)	960	561.711 J	575.377	130.756	86.849	561.966	119.412	1109.615	173.836
Total LPAH (SMS) (U = 0)	370	129.305	190.905	45.462	12.021	201.282	12.5 J	194.519	22.802
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		68.91979 J	55.67839	12.78992	9.66096	59.70085	15.18627	99.51923	23.78879
Polycyclic Aromatic Hydrocarbons (µg/kg)									
1-Methylnaphthalene		69	45	31	19 U	85	12 J	29	20
2-Methylnaphthalene		89	96	46	19 U	61	16 J	30	34
Acenaphthene		300	230	78	19 U	420	18 J	140	27
Acenaphthylene		19	29	24	19 U	30 U	20 U	30 U	32
Anthracene		90	440	150	120	660	42	420	110
Benzo(a)anthracene		530 J	1100	260	240	1400	160	1100	310
Benzo(a)pyrene		460	750	210	190	980	220	710	390
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--
Benzo(b,j,k)fluoranthenes		940 J	1800	480	490	1900	530	1500	970

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-08	DSI-SB-08	DSI-SB-08	DSI-SB-08	DSI-SB-09
	Depth	11.9 – 12.3 ft	3.5 – 4.5 ft	6.5 – 7.5 ft	1 – 2 ft	12 – 13.3 ft	4 – 5 ft	7 – 8.7 ft	1 – 2 ft
	Sample ID	DSI-SB-07-11.9-12.3	DSI-SB-07-3.5-4.5	DSI-SB-07-6.5-7.5	DSI-SB-08-1-2	DSI-SB-08-12-13.3	DSI-SB-08-4-5	DSI-SB-08-7-8.7	DSI-SB-09-1-2
	Sample Date	3/9/2011	3/9/2011	3/9/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/10/2011
	Sample Type	N	N	N	N	N	N	N	N
	X	1267979.72	1267979.72	1267979.72	1268253.10	1268253.10	1268253.10	1268253.10	1268195.47
	Y	204866.56	204866.56	204866.56	204225.29	204225.29	204225.29	204225.29	204416.39
	Screening Level								
Benzo(g,h,i)perylene		240	360	130	120	540	150	400	250
Benzo(k)fluoranthene		--	--	--	--	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--
Chrysene		620 J	1400	320	350	1400	220	1200	460
Dibenzo(a,h)anthracene		92	160	62	46	180	46	130	73
Dibenzofuran		41	220	62	19 U	240	18 J	48	38
Fluoranthene		950	2900	730	470	3300	320	3300	500
Fluorene		60	600	140	30	330	18 J	120	38
Indeno(1,2,3-c,d)pyrene		220	380	110	110	550	140	400	220
Naphthalene		570	100	120	21	1300	27	43	72
Phenanthrene		170	2400	570	180	2000	150	1300	250
Pyrene		1200	2600	810	520	2900	650	2800	860
Total Benzofluoranthenes (b,j,k) (U = 0)		940 J	1800	480	490	1900	530	1500	970
Total HPAH (SMS) (U = 0)		5252 J	11450	3112	2536	13150	2436	11540	4033
Total LPAH (SMS) (U = 0)		1209	3799	1082	351	4710	255 J	2023	529
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	644.4 J	1108	304.4	282.1	1397	309.8	1035	551.9

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-10	DSI-SB-10	DSI-SB-10
	Depth	11 – 12.1 ft	12.1 – 12.6 ft	4.5 – 5.5 ft	8.5 – 10 ft	8.5 – 10 ft	1 – 2 ft	10 – 11 ft	5.5 – 7 ft
	Sample ID	DSI-SB-09-11-12.1	DSI-SB-09-12.1-12.6	DSI-SB-09-4.5-5.5	DSI-SB-09-8.5-10	DSI-SB-59-8.5-10	DSI-SB-10-1-2	DSI-SB-10-10-11	DSI-SB-10-5.5-7
	Sample Date	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/14/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N	N	FD	N	N	N
	X	1268195.47	1268195.47	1268195.47	1268195.47	1268195.47	1268117.63	1268117.63	1268117.63
	Y	204416.39	204416.39	204416.39	204416.39	204416.39	204532.11	204532.11	204532.11
	Screening Level								
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)									
1-Methylnaphthalene		**7.345**	5.647 U	**10.582**	**5.366**	**5.127 J**	**0.463 J**	7.17 U	**6.077**
2-Methylnaphthalene	38	**7.345**	**3.118 J**	**14.286**	**4.585**	**4.241 J**	**0.854**	7.17 U	**3.077**
Acenaphthene	16	**56.497**	**7.647**	**25.397**	**22.927**	**30.38**	**2.42**	**9.811**	**246.154**
Acenaphthylene	66	**3.277**	5.647 U	**2.381**	**2.732 J**	6.076 U	**1.103**	7.17 U	1.462 U
Anthracene	220	**152.542**	**18.824**	**52.381**	**40.488**	**49.367**	**7.117**	7.17 U	**66.154**
Benzo(a)anthracene	110	**209.04**	**64.706**	**148.148**	**92.683**	**113.924**	**22.776**	7.17 U	**115.385**
Benzo(a)pyrene	99	**163.842**	**52.941**	**121.693**	**63.415**	**88.608**	**17.794**	7.17 U	**76.154**
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--
Benzo(b,j,k)fluoranthenes		**276.836**	**100**	**206.349**	**131.707**	**170.886**	**49.822**	7.17 U	**153.846**
Benzo(g,h,i)perylene	31	**73.446**	**28.824**	**58.201**	**33.171**	**50.633**	**8.897**	7.17 U	**36.154**
Benzo(k)fluoranthene		--	--	--	--	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--
Chrysene	110	**192.09**	**70.588**	**158.73**	**107.317**	**132.911**	**31.317**	7.17 U	**123.077**
Dibenzo(a,h)anthracene	12	**28.814**	**12.353**	**25.397**	**12.683**	**20.253**	**3.559**	7.17 U	**14.615**
Dibenzofuran	15	**45.198**	**4.529 J**	**17.989**	**8.78**	**9.494**	**2.384**	7.17 U	**60**
Fluoranthene	160	**536.723**	**188.235**	**333.333**	**307.317**	**329.114**	**46.263**	7.17 U	**453.846**
Fluorene	23	**84.746**	**8.824**	**26.984**	**15.122**	**18.354**	**2.989**	7.17 U	**35.385**
Indeno(1,2,3-c,d)pyrene	34	**84.746**	**28.235**	**63.492**	**32.683**	**48.101**	**9.253**	7.17 U	**35.385**
Naphthalene	99	**18.644**	**5.647**	**7.407**	**13.171**	**10.759**	**1.673**	**7.547**	**25.385**
Phenanthrene	100	**508.475**	**49.412**	**216.931**	**180.488**	**215.19**	**19.217**	7.17 U	**546.154**
Pyrene	1000	**401.13**	**164.706**	**296.296**	**239.024**	**284.81**	--	7.17 U	--
Total Benzofluoranthenes (b,j,k) (U = 0)	230	**276.836**	**100**	**206.349**	**131.707**	**170.886**	**49.822**	7.17 U	**153.846**
Total HPAH (SMS) (U = 0)	960	**1966.667**	**710.588**	**1411.64**	**1020**	**1239.241**	**189.68**	7.17 U	**1008.462**
Total LPAH (SMS) (U = 0)	370	**824.181**	**90.353**	**331.481**	**274.927 J**	**324.051**	**34.52**	**17.358**	**919.231**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		**225.70621**	**74.17647**	**167.61905**	**91.46341**	**125.25316**	**26.64769**	7.16981 U	**109.30769**
Polycyclic Aromatic Hydrocarbons (µg/kg)									
1-Methylnaphthalene		**130**	96 U	**200**	**110**	**81 J**	**13 J**	19 U	**79**
2-Methylnaphthalene		**130**	**53 J**	**270**	**94**	**67 J**	**24**	19 U	**40**
Acenaphthene		**1000**	**130**	**480**	**470**	**480**	**68**	**26**	**3200**
Acenaphthylene		**58**	96 U	**45**	**56 J**	96 U	**31**	19 U	19 U
Anthracene		**2700**	**320**	**990**	**830**	**780**	**200**	19 U	**860**
Benzo(a)anthracene		**3700**	**1100**	**2800**	**1900**	**1800**	**640**	19 U	**1500**
Benzo(a)pyrene		**2900**	**900**	**2300**	**1300**	**1400**	**500**	19 U	**990**
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--
Benzo(b,j,k)fluoranthenes		**4900**	**1700**	**3900**	**2700**	**2700**	**1400**	19 U	**2000**

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-10	DSI-SB-10	DSI-SB-10
	Depth	11 – 12.1 ft	12.1 – 12.6 ft	4.5 – 5.5 ft	8.5 – 10 ft	8.5 – 10 ft	1 – 2 ft	10 – 11 ft	5.5 – 7 ft
	Sample ID	DSI-SB-09-11-12.1	DSI-SB-09-12.1-12.6	DSI-SB-09-4.5-5.5	DSI-SB-09-8.5-10	DSI-SB-59-8.5-10	DSI-SB-10-1-2	DSI-SB-10-10-11	DSI-SB-10-5.5-7
	Sample Date	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/14/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N	N	FD	N	N	N
	X	1268195.47	1268195.47	1268195.47	1268195.47	1268195.47	1268117.63	1268117.63	1268117.63
	Y	204416.39	204416.39	204416.39	204416.39	204416.39	204532.11	204532.11	204532.11
	Screening Level								
Benzo(g,h,i)perylene		1300	490	1100	680	800	250	19 U	470
Benzo(k)fluoranthene		--	--	--	--	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--
Chrysene		3400	1200	3000	2200	2100	880	19 U	1600
Dibenzo(a,h)anthracene		510	210	480	260	320	100	19 U	190
Dibenzofuran		800	77 J	340	180	150	67	19 U	780
Fluoranthene		9500	3200	6300	6300	5200	1300	19 U	5900
Fluorene		1500	150	510	310	290	84	19 U	460
Indeno(1,2,3-c,d)pyrene		1500	480	1200	670	760	260	19 U	460
Naphthalene		330	96	140	270	170	47	20	330
Phenanthrene		9000	840	4100	3700	3400	540	19 U	7100
Pyrene		7100	2800	5600	4900	4500	--	19 U	--
Total Benzofluoranthenes (b,j,k) (U = 0)		4900	1700	3900	2700	2700	1400	19 U	2000
Total HPAH (SMS) (U = 0)		34810	12080	26680	20910	19580	5330	19 U	13110
Total LPAH (SMS) (U = 0)		14588	1536	6265	5636 J	5120	970	46	11950
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	3995	1261	3168	1875	1979	748.8	19 U	1421

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSI-SB-10	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-12	DSI-SB-12	DSI-SB-12
	Depth	8.5 – 10 ft	1 – 2 ft	11 – 12.3 ft	11 – 12.3 ft	3.5 – 5 ft	8 – 8.9 ft	1 – 2 ft	3 – 4.3 ft	5.8 – 7.1 ft
	Sample ID	DSI-SB-10-8.5-10	DSI-SB-11-1-2	DSI-SB-11-11-12.3	DSI-SB-61-11-12.3	DSI-SB-11-3.5-5	DSI-SB-11-8-8.9	DSI-SB-12-1-2	DSI-SB-12-3-4.3	DSI-SB-12-5.8-7.1
	Sample Date	3/14/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/15/2011	3/15/2011	3/15/2011
	Sample Type	N	N	N	FD	N	N	N	N	N
	X	1268117.63	1268162.52	1268162.52	1268162.52	1268162.52	1268162.52	1268029.86	1268029.86	1268029.86
	Y	204532.11	204544.00	204544.00	204544.00	204544.00	204544.00	204649.56	204649.56	204649.56
	Screening Level									
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)										
1-Methylnaphthalene		10.426 U	0.519 U	1.727 U	1.944 U	**0.531 J**	**4.83**	**3.238**	**0.903 J**	**1.408**
2-Methylnaphthalene	38	10.426 U	**0.71**	1.727 U	1.944 U	**0.735 J**	**4.422**	**4.667**	**1.389**	**1.901**
Acenaphthene	16	**51.064**	**0.519**	**2.091**	1.944 U	**0.735 J**	**28.571**	**14.286**	**2.153**	**1.268 J**
Acenaphthylene	66	10.426 U	**0.519**	1.727 U	1.944 U	0.776 U	2.517 U	**2.476**	**1.389**	**0.775 J**
Anthracene	220	**61.702**	**2.65**	**4.545**	**4.104**	**2.122**	**74.83**	**28.571**	**5.417**	**2.535**
Benzo(a)anthracene	110	**138.298**	**6.284**	**11.818**	**10.583**	**7.347**	**190.476**	**90.476**	**13.194**	**5.704**
Benzo(a)pyrene	99	**102.128**	**6.831**	**11.818**	**11.879**	**8.98**	**129.252**	**85.714**	**18.75**	**9.155**
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--	--
Benzo(b,j,k)fluoranthenes		**212.766**	**16.94**	**26.364**	**25.918**	**22.857**	**244.898**	**171.429**	**39.583**	**20.423**
Benzo(g,h,i)perylene	31	**54.255**	**4.372**	**6.727**	**6.156**	**4.49**	**61.905**	**45.238**	**9.722**	**5.493**
Benzo(k)fluoranthene		--	--	--	--	--	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--	--
Chrysene	110	**148.936**	**10.929**	**13.636**	**12.959**	**12.653**	**210.884**	**95.238**	**19.444**	**7.746**
Dibenzo(a,h)anthracene	12	**21.277**	**1.311**	**2.091**	1.944 U	**1.714**	**23.129**	**15.238**	**3.472**	**1.69**
Dibenzofuran	15	**25.532**	**0.765**	**2.091**	1.944 U	**0.653 J**	**7.483**	**7.619**	**1.667**	**1.408**
Fluoranthene	160	**404.255**	**11.202**	**25.455**	**21.598**	**15.102**	**530.612**	**214.286**	**36.806**	**10.563**
Fluorene	23	**39.362**	**1.202**	**2.727**	**2.376**	**0.735 J**	**18.367**	**13.333**	**2.222**	**1.408**
Indeno(1,2,3-c,d)pyrene	34	**57.447**	**3.825**	**6.273**	**6.048**	**4.898**	**66.667**	**44.762**	**9.028**	**5.211**
Naphthalene	99	**25.532**	**1.366**	**3.818**	**3.24**	**1.347**	**13.605**	**6.19**	**2.639**	**3.099**
Phenanthrene	100	**276.596**	**6.557**	**13.636**	**11.879**	**6.531**	**244.898**	**100**	**17.361**	**7.042**
Pyrene	1000	**297.872**	**16.393**	**50**	**46.436**	**22.857**	**462.585**	**280.952**	**97.222**	**41.549**
Total Benzofluoranthenes (b,j,k) (U = 0)	230	**212.766**	**16.94**	**26.364**	**25.918**	**22.857**	**244.898**	**171.429**	**39.583**	**20.423**
Total HPAH (SMS) (U = 0)	960	**1437.234**	**78.087**	**154.182**	**141.577**	**100.898**	**1920.408**	**1043.333**	**247.222**	**107.535**
Total LPAH (SMS) (U = 0)	370	**454.255**	**12.814**	**26.818**	**21.598**	**11.469 J**	**380.272**	**164.857**	**31.181**	**16.127 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		**146.59574**	**9.77596**	**16.60909**	**16.2635**	**12.78776**	**183.87755**	**118.85714**	**25.47222**	**12.53521**
Polycyclic Aromatic Hydrocarbons (µg/kg)										
1-Methylnaphthalene		98 U	19 U	19 U	18 U	**13 J**	**71**	**68**	**13 J**	**20**
2-Methylnaphthalene		98 U	**26**	19 U	18 U	**18 J**	**65**	**98**	**20**	**27**
Acenaphthene		**480**	**19**	**23**	18 U	**18 J**	**420**	**300**	**31**	**18 J**
Acenaphthylene		98 U	**19**	19 U	18 U	19 U	37 U	**52**	**20**	**11 J**
Anthracene		**580**	**97**	**50**	**38**	**52**	**1100**	**600**	**78**	**36**
Benzo(a)anthracene		**1300**	**230**	**130**	**98**	**180**	**2800**	**1900**	**190**	**81**
Benzo(a)pyrene		**960**	**250**	**130**	**110**	**220**	**1900**	**1800**	**270**	**130**
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--	--
Benzo(b,j,k)fluoranthenes		**2000**	**620**	**290**	**240**	**560**	**3600**	**3600**	**570**	**290**

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSI-SB-10	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-12	DSI-SB-12	DSI-SB-12
	Depth	8.5 – 10 ft	1 – 2 ft	11 – 12.3 ft	11 – 12.3 ft	3.5 – 5 ft	8 – 8.9 ft	1 – 2 ft	3 – 4.3 ft	5.8 – 7.1 ft
	Sample ID	DSI-SB-10-8.5-10	DSI-SB-11-1-2	DSI-SB-11-11-12.3	DSI-SB-61-11-12.3	DSI-SB-11-3.5-5	DSI-SB-11-8-8.9	DSI-SB-12-1-2	DSI-SB-12-3-4.3	DSI-SB-12-5.8-7.1
	Sample Date	3/14/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/15/2011	3/15/2011	3/15/2011
	Sample Type	N	N	N	FD	N	N	N	N	N
	X	1268117.63	1268162.52	1268162.52	1268162.52	1268162.52	1268162.52	1268029.86	1268029.86	1268029.86
	Y	204532.11	204544.00	204544.00	204544.00	204544.00	204544.00	204649.56	204649.56	204649.56
	Screening Level									
Benzo(g,h,i)perylene		510	160	74	57	110	910	950	140	78
Benzo(k)fluoranthene		--	--	--	--	--	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--	--
Chrysene		1400	400	150	120	310	3100	2000	280	110
Dibenzo(a,h)anthracene		200	48	23	18 U	42	340	320	50	24
Dibenzofuran		240	28	23	18 U	16 J	110	160	24	20
Fluoranthene		3800	410	280	200	370	7800	4500	530	150
Fluorene		370	44	30	22	18 J	270	280	32	20
Indeno(1,2,3-c,d)pyrene		540	140	69	56	120	980	940	130	74
Naphthalene		240	50	42	30	33	200	130	38	44
Phenanthrene		2600	240	150	110	160	3600	2100	250	100
Pyrene		2800	600	550	430	560	6800	5900	1400	590
Total Benzofluoranthenes (b,j,k) (U = 0)		2000	620	290	240	560	3600	3600	570	290
Total HPAH (SMS) (U = 0)		13510	2858	1696	1311	2472	28230	21910	3560	1527
Total LPAH (SMS) (U = 0)		4270	469	295	200	281 J	5590	3462	449	229 J
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	1378	357.8	182.7	150.6	313.3	2703	2496	366.8	178

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSI-SB-13	DSI-SB-13	DSI-SB-13	DSI-SB-14	DSI-SB-14	DSI-SB-15	DSI-SB-15	DSI-SB-16	DSI-SB-16
	Depth	1 – 2 ft	3 – 4.1 ft	4.1 – 5 ft	4 – 5 ft	9 – 10.5 ft	11.5 – 12.5 ft	4 – 5 ft	5 – 6.5 ft	9.2 – 10.7 ft
	Sample ID	DSI-SB-13-1-2	DSI-SB-13-3-4.1	DSI-SB-13-4.1-5	DSI-SB-14-4-5	DSI-SB-14-9-10.5	DSI-SB-15-11.5-12.5	DSI-SB-15-4-5	DSI-SB-16-5-6.5	DSI-SB-16-9.2-10.7
	Sample Date	3/14/2011	3/14/2011	3/14/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011
	Sample Type	N	N	N	N	N	N	N	N	N
	X	1267934.23	1267934.23	1267934.23	1268049.27	1268049.27	1268295.16	1268295.16	1268239.63	1268239.63
	Y	204726.81	204726.81	204726.81	204899.27	204899.27	204244.97	204244.97	204430.38	204430.38
	Screening Level									
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)										
1-Methylnaphthalene		**3.317**	**1.026**	15.079 U	**0.561 J**	**0.683 J**	**11.111**	0.856 U	**0.762 J**	**0.642 J**
2-Methylnaphthalene	38	**4.829**	**3.026**	15.079 U	**0.748 J**	**0.976**	**3.511**	**0.586 J**	**0.952**	**0.963 J**
Acenaphthene	16	**27.805**	0.974 U	15.079 U	**0.701 J**	**1.951**	**204.444**	**0.901**	**2**	**0.963 J**
Acenaphthylene	66	**1.415**	0.974 U	15.079 U	0.935 U	0.976 U	**2.667 J**	0.856 U	**0.714 J**	1.016 U
Anthracene	220	**42.439**	**15.897**	15.079 U	**1.636**	**4.878**	**168.889**	**1.622**	**4.143**	**2.353**
Benzo(a)anthracene	110	**126.829**	**56.41**	**8.73 J**	**4.579**	**16.098**	**164.444**	**5.405**	**17.143**	**5.348**
Benzo(a)pyrene	99	**112.195**	**71.795**	**13.492 J**	**6.075**	**13.659**	**71.111**	**6.757**	**17.619**	**5.882**
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--	--
Benzo(b,j,k)fluoranthenes		**204.878**	**153.846**	**33.333**	**16.355**	**29.268**	**173.333**	**16.667**	**37.619**	**12.299**
Benzo(g,h,i)perylene	31	**53.659**	**35.385**	**8.73 J**	**4.673**	**8.78**	**28.444**	**4.955**	**10.952**	**3.797**
Benzo(k)fluoranthene		--	--	--	--	--	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--	--
Chrysene	110	**151.22**	**87.179**	**13.492 J**	**7.009**	**18.537**	**217.778**	**7.658**	**20**	**6.417**
Dibenzo(a,h)anthracene	12	**20.976**	**12.821**	15.079 U	**1.449**	**2.683**	**14.222**	**1.757**	**3.857**	**1.39**
Dibenzofuran	15	**11.22**	0.974 U	15.079 U	**0.794 J**	**1.024**	**195.556**	**0.811 J**	**1.333**	**0.909 J**
Fluoranthene	160	**317.073**	**158.974**	**23.016**	**9.346**	**40.488**	**622.222**	**10.811**	**40**	**11.23**
Fluorene	23	**19.024**	**6.154**	15.079 U	**0.841 J**	**1.951**	**342.222**	**1.216**	**1.952**	**1.176**
Indeno(1,2,3-c,d)pyrene	34	**48.78**	**33.846**	**7.937 J**	**4.252**	**7.805**	**28**	**4.505**	**10**	**3.369**
Naphthalene	99	**12.683**	**4.667**	15.079 U	**1.308**	**1.463**	**2.311 J**	**0.766 J**	**1.571**	**1.658**
Phenanthrene	100	**175.61**	**45.128**	15.079 U	**6.542**	**17.561**	**1155.556**	**6.306**	**15.714**	**6.417**
Pyrene	1000	**292.683**	**261.538**	**78.571**	**15.888**	**42.927**	**444.444**	**17.568**	**47.619**	**17.112**
Total Benzofluoranthenes (b,j,k) (U = 0)	230	**204.878**	**153.846**	**33.333**	**16.355**	**29.268**	**173.333**	**16.667**	**37.619**	**12.299**
Total HPAH (SMS) (U = 0)	960	**1328.293**	**871.795**	**187.302 J**	**69.626**	**180.244**	**1764**	**76.081**	**204.81**	**66.845**
Total LPAH (SMS) (U = 0)	370	**278.976**	**71.846**	15.079 U	**11.028 J**	**27.805**	**1876.089 J**	**10.811 J**	**26.095 J**	**12.567 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		**153.85366**	**98.35897**	**18.62698 J**	**8.80841**	**19.42927**	**111.28889**	**9.66667**	**24.68095**	**8.18717**
Polycyclic Aromatic Hydrocarbons (µg/kg)										
1-Methylnaphthalene		**68**	**20**	19 U	**12 J**	**14 J**	**250**	19 U	**16 J**	**12 J**
2-Methylnaphthalene		**99**	**59**	19 U	**16 J**	**20**	**79**	**13 J**	**20**	**18 J**
Acenaphthene		**570**	19 U	19 U	**15 J**	**40**	**4600**	**20**	**42**	**18 J**
Acenaphthylene		**29**	19 U	19 U	20 U	20 U	**60 J**	19 U	**15 J**	19 U
Anthracene		**870**	**310**	19 U	**35**	**100**	**3800**	**36**	**87**	**44**
Benzo(a)anthracene		**2600**	**1100**	**11 J**	**98**	**330**	**3700**	**120**	**360**	**100**
Benzo(a)pyrene		**2300**	**1400**	**17 J**	**130**	**280**	**1600**	**150**	**370**	**110**
Benzo(b)fluoranthene		--	--	--	--	--	--	--	--	--
Benzo(b,j,k)fluoranthenes		**4200**	**3000**	**42**	**350**	**600**	**3900**	**370**	**790**	**230**

Table 7-8c
Subsurface Sediment Results: PAHs

		Location ID	DSI-SB-13	DSI-SB-13	DSI-SB-13	DSI-SB-14	DSI-SB-14	DSI-SB-15	DSI-SB-15	DSI-SB-16	DSI-SB-16
		Depth	1 – 2 ft	3 – 4.1 ft	4.1 – 5 ft	4 – 5 ft	9 – 10.5 ft	11.5 – 12.5 ft	4 – 5 ft	5 – 6.5 ft	9.2 – 10.7 ft
		Sample ID	DSI-SB-13-1-2	DSI-SB-13-3-4.1	DSI-SB-13-4.1-5	DSI-SB-14-4-5	DSI-SB-14-9-10.5	DSI-SB-15-11.5-12.5	DSI-SB-15-4-5	DSI-SB-16-5-6.5	DSI-SB-16-9.2-10.7
		Sample Date	3/14/2011	3/14/2011	3/14/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011
		Sample Type	N	N	N	N	N	N	N	N	N
		X	1267934.23	1267934.23	1267934.23	1268049.27	1268049.27	1268295.16	1268295.16	1268239.63	1268239.63
		Y	204726.81	204726.81	204726.81	204899.27	204899.27	204244.97	204244.97	204430.38	204430.38
	Screening Level										
Benzo(g,h,i)perylene			1100	690	11 J	100	180	640	110	230	71
Benzo(k)fluoranthene			--	--	--	--	--	--	--	--	--
Carbazole			--	--	--	--	--	--	--	--	--
Chrysene			3100	1700	17 J	150	380	4900	170	420	120
Dibenzo(a,h)anthracene			430	250	19 U	31	55	320	39	81	26
Dibenzofuran			230	19 U	19 U	17 J	21	4400	18 J	28	17 J
Fluoranthene			6500	3100	29	200	830	14000	240	840	210
Fluorene			390	120	19 U	18 J	40	7700	27	41	22
Indeno(1,2,3-c,d)pyrene			1000	660	10 J	91	160	630	100	210	63
Naphthalene			260	91	19 U	28	30	52 J	17 J	33	31
Phenanthrene			3600	880	19 U	140	360	26000	140	330	120
Pyrene			6000	5100	99	340	880	10000	390	1000	320
Total Benzofluoranthenes (b,j,k) (U = 0)			4200	3000	42	350	600	3900	370	790	230
Total HPAH (SMS) (U = 0)			27230	17000	236 J	1490	3695	39690	1689	4301	1250
Total LPAH (SMS) (U = 0)			5719	1401	19 U	236 J	570	42212 J	240 J	548 J	235 J
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150		3154	1918	23.47 J	188.5	398.3	2504	214.6	518.3	153.1

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	**DSI-SB-17**	**DSI-SB-17**
	Depth	**5 – 6 ft**	**9.4 – 10.7 ft**
	Sample ID	**DSI-SB-17-5-6**	**DSI-SB-17-9.4-10.7**
	Sample Date	**3/16/2011**	**3/16/2011**
	Sample Type	**N**	**N**
	X	**1268158.30**	**1268158.30**
	Y	**204671.15**	**204671.15**
	Screening Level		
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)			
1-Methylnaphthalene		**0.628 J**	**0.502 J**
2-Methylnaphthalene	38	**0.966**	**0.776 J**
Acenaphthene	16	**1.739**	**0.502 J**
Acenaphthylene	66	**0.676 J**	0.868 U
Anthracene	220	**4.348**	**1.324**
Benzo(a)anthracene	110	**14.976**	**3.333**
Benzo(a)pyrene	99	**15.459**	**4.11**
Benzo(b)fluoranthene		**--**	**--**
Benzo(b,j,k)fluoranthenes		**33.333**	**9.132**
Benzo(g,h,i)perylene	31	**9.662**	**2.694**
Benzo(k)fluoranthene		**--**	**--**
Carbazole		**--**	**--**
Chrysene	110	**18.841**	**4.384**
Dibenzo(a,h)anthracene	12	**2.85**	**1.233**
Dibenzofuran	15	**1.063**	**0.594 J**
Fluoranthene	160	**36.715**	**5.936**
Fluorene	23	**1.449**	**0.731 J**
Indeno(1,2,3-c,d)pyrene	34	**8.696**	**2.374**
Naphthalene	99	**1.546**	**1.279**
Phenanthrene	100	**14.01**	**3.744**
Pyrene	1000	**44.928**	**12.329**
Total Benzofluoranthenes (b,j,k) (U = 0)	230	**33.333**	**9.132**
Total HPAH (SMS) (U = 0)	960	**185.459**	**45.525**
Total LPAH (SMS) (U = 0)	370	**23.768 J**	**7.58 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)		**21.63285**	**5.76073**
Polycyclic Aromatic Hydrocarbons (µg/kg)			
1-Methylnaphthalene		**13 J**	**11 J**
2-Methylnaphthalene		**20**	**17 J**
Acenaphthene		**36**	**11 J**
Acenaphthylene		**14 J**	19 U
Anthracene		**90**	**29**
Benzo(a)anthracene		**310**	**73**
Benzo(a)pyrene		**320**	**90**
Benzo(b)fluoranthene		**--**	**--**
Benzo(b,j,k)fluoranthenes		**690**	**200**

Table 7-8c
Subsurface Sediment Results: PAHs

	Location ID	DSI-SB-17	DSI-SB-17
	Depth	5 – 6 ft	9.4 – 10.7 ft
	Sample ID	DSI-SB-17-5-6	DSI-SB-17-9.4-10.7
	Sample Date	3/16/2011	3/16/2011
	Sample Type	N	N
	X	1268158.30	1268158.30
	Y	204671.15	204671.15
	Screening Level		
Benzo(g,h,i)perylene		**200**	**59**
Benzo(k)fluoranthene		--	--
Carbazole		--	--
Chrysene		**390**	**96**
Dibenzo(a,h)anthracene		**59**	**27**
Dibenzofuran		**22**	**13 J**
Fluoranthene		**760**	**130**
Fluorene		**30**	**16 J**
Indeno(1,2,3-c,d)pyrene		**180**	**52**
Naphthalene		**32**	**28**
Phenanthrene		**290**	**82**
Pyrene		**930**	**270**
Total Benzofluoranthenes (b,j,k) (U = 0)		**690**	**200**
Total HPAH (SMS) (U = 0)		**3839**	**997**
Total LPAH (SMS) (U = 0)		**492 J**	**166 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	150	**447.8**	**126.16**

Table 7-8c
Subsurface Sediment Results: PAHs

Notes:
Detected concentration is greater than the sediment screening level
Non-detected concentration is above the sediment screening level
Bold = Detected result
-- = not analyzed
µg/kg = micrograms per kilogram
cPAH = carcinogenic polycyclic aromatic hydrocarbon
FD = field duplicate
ft = foot
HPAH = high molecular weight polycyclic aromatic hydrocarbon
J = Estimated value
LPAH = low molecular weight polycyclic aromatic hydrocarbon
mg/kg-OC = milligrams per kilogram organic carbon
N = normal sample
SMS = Sediment Management Standards
TEQ = Toxic Equivalents Quotient
U = Compound analyzed, but not detected above detection limit
UJ = Compound analyzed, but not detected above estimated detection limit

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-05	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312
	Depth	0 – 2 ft	0 – 2 ft	0 – 1.8 ft	0 – 2 ft	0 – 2 ft	10 – 11 ft	2 – 4 ft	4 – 6 ft	4 – 6 ft
	Sample ID	DSIMR-SB-01-0-2	DSIMR-SB-02-0-2	DSIMR-SB-03-0-1.8	DSIMR-SB-05-0-2	DSIP2-SB-01b-0-2	DSIP2-SB-01b-10-11	DSIP2-SB-01b-2-4	DSIP2-SB-01b-4-6	DSIP2-SB-51B-4-6
	Sample Date	7/23/2013	7/24/2013	7/24/2013	7/23/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	N	N	N	N	N	FD
	X	1268066.22	1268066.94	1268069.67	1268029.81	1268348.79	1268348.79	1268348.79	1268348.79	1268348.79
	Y	204393.09	204421.57	204454.65	204601.34	204095.62	204095.62	204095.62	204095.62	204095.62
	Screening Level									
Semivolatile Organics (mg/kg-OC)										
1,2,4-Trichlorobenzene	0.81	0.4098 U	0.2626 U	0.4386 U	0.2697 U	0.1811 U	0.5942 U	0.1481 U	0.2981 U	0.2513 U
1,2-Dichlorobenzene	2.3	0.4098 U	0.2626 U	0.4386 U	0.2697 U	0.0679 U	0.1517 U	0.0525 U	0.1118 U	**0.1309 J**
1,3-Dichlorobenzene		0.4098 U	0.2626 U	0.4386 U	0.2697 U	0.0679 U	0.1517 U	0.0525 U	0.1118 U	0.0995 U
1,4-Dichlorobenzene	3.1	0.4098 U	0.2626 U	0.4386 U	**0.1573 J**	**0.2226**	0.1517 U	**0.0926 J**	**0.1801 J**	**0.1832 J**
2,2'-Oxybis (1-chloropropane)		1.639 U	1.061 U	1.754 U	1.067 U	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
2,3,4,6-Tetrachlorophenol		1.639 U	3	1.754 U	1.067 U	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
2,4,5-Trichlorophenol		8.115 U	5.251 U	8.684 U	5.337 U	3.623 U	11.884 U	2.994 U	5.963 U	4.974 U
2,4,6-Trichlorophenol		8.115 U	5.251 U	8.684 U	5.337 U	3.623 U	11.884 U	2.994 U	5.963 U	4.974 U
2,4-Dichlorophenol		8.115 U	5.251 U	8.684 U	5.337 U	3.623 U	11.884 U	2.994 U	5.963 U	4.974 U
2,4-Dimethylphenol		2.049 UJ	1.341 UJ	2.193 UJ	1.348 UJ	0.906 U	3.034 U	0.741 U	1.491 U	1.257 U
2,4-Dinitrophenol		16.393 U	10.615 U	17.544 U	10.674 U	7.17 UJ	24.02 UJ	5.864 UJ	11.801 UJ	9.948 UJ
2,4-Dinitrotoluene		8.115 U	5.251 U	8.684 U	5.337 U	3.623 U	11.884 U	2.994 U	5.963 U	4.974 U
2,6-Dinitrotoluene		8.115 U	5.251 U	8.684 U	5.337 U	3.623 U	11.884 U	2.994 U	5.963 U	4.974 U
2-Chloronaphthalene		1.639 U	1.061 U	1.754 U	1.067 U	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
2-Chlorophenol		1.639 U	1.061 U	1.754 U	1.067 U	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
2-Methylphenol (o-Cresol)		**0.2705 J**	**0.2793**	**0.7193**	0.2697 U	**0.1698 J**	0.5942 U	**0.0833 J**	**0.1677 J**	**0.1623 J**
2-Nitroaniline		8.115 U	5.251 U	8.684 U	5.337 U	3.623 U	11.884 U	2.994 U	5.963 U	4.974 U
2-Nitrophenol		1.639 U	1.061 U	1.754 U	1.067 U	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
3,3'-Dichlorobenzidine		8.115 UJ	5.251 UJ	8.684 UJ	5.337 UJ	3.623 UJ	11.884 UJ	2.994 UJ	5.963 UJ	4.974 UJ
3-Nitroaniline		8.115 U	5.251 U	8.684 U	5.337 U	3.623 UJ	11.884 UJ	2.994 UJ	5.963 UJ	4.974 UJ
4-Bromophenyl-phenyl ether		1.639 U	1.061 U	1.754 U	1.067 U	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
4-Chloro-3-methylphenol		8.115 U	5.251 U	8.684 U	5.337 U	3.623 U	11.884 U	2.994 U	5.963 U	4.974 U
4-Chloroaniline		8.115 UJ	5.251 UJ	8.684 UJ	5.337 UJ	3.623 UJ	11.884 UJ	2.994 UJ	5.963 UJ	4.974 UJ
4-Chlorophenyl phenyl ether		1.639 U	1.061 U	1.754 U	1.067 U	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
4-Methylphenol (p-Cresol)		**3.197**	**1.341**	**7.895**	**0.955**	**0.868**	**0.9482**	**0.37**	**0.745**	**1.152**
4-Nitroaniline		8.115 U	5.251 U	8.684 U	5.337 U	3.623 U	11.884 U	2.994 U	5.963 U	4.974 U
4-Nitrophenol		8.115 U	5.251 U	8.684 U	5.337 U	3.623 U	11.884 U	2.994 U	5.963 U	4.974 U
Benzoic acid		**5.246 J**	**3.855 J**	**19.298**	10.674 U	**7.547**	24.02 U	**3.086 J**	**5.59 J**	**6.806 J**
Benzyl alcohol		1.639 U	1.061 U	**14.035**	1.067 U	0.717 UJ	2.402 UJ	0.586 UJ	1.18 UJ	0.995 UJ
bis(2-Chloroethoxy)methane		1.639 U	1.061 U	1.754 U	1.067 U	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
bis(2-Chloroethyl)ether		1.639 U	1.061 U	1.754 U	1.067 U	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
bis(2-Ethylhexyl)phthalate	47	**16.393**	**10.615**	**14.035**	**8.427**	**16.604 J**	**8.091 J**	**12.963 J**	**25.466 J**	**24.084 J**
Butylbenzyl phthalate	4.9	**1.967 J**	**0.615 J**	**0.877 J**	**0.191 J**	**1.962 J**	**1.2137 J**	**1.605 J**	**1.988 J**	**2.827 J**
Diethyl phthalate	61	2.951 U	1.061 U	2.719 U	1.067 U	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
Dimethyl phthalate	53	**1.066**	**0.4246**	**0.2807 J**	0.2697 U	**0.2302**	0.5942 U	**0.34**	**0.3168**	**0.3979**
Di-n-butyl phthalate	220	**50**	**1.508**	**5.439**	**16.292**	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		16.393 U	10.615 U	17.544 U	10.674 U	7.17 U	24.02 U	5.864 U	11.801 U	9.948 U
Di-n-octyl phthalate	58	1.639 U	1.061 U	1.754 U	1.067 U	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
Hexachlorobenzene	0.38	0.4098 U	0.2626 U	0.4298 U	0.05393 U	0.03623 UJ	0.12263 UJ	0.0463 UJ	0.1863 UJ	0.2513 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.4098 U	0.2626 U	0.4386 U	0.2697 U	0.03623 U	0.12263 U	0.02963 U	0.05963 U	0.05183 U

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-05	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312
		Depth	0 – 2 ft	0 – 2 ft	0 – 1.8 ft	0 – 2 ft	0 – 2 ft	10 – 11 ft	2 – 4 ft	4 – 6 ft	4 – 6 ft
		Sample ID	DSIMR-SB-01-0-2	DSIMR-SB-02-0-2	DSIMR-SB-03-0-1.8	DSIMR-SB-05-0-2	DSIP2-SB-01b-0-2	DSIP2-SB-01b-10-11	DSIP2-SB-01b-2-4	DSIP2-SB-01b-4-6	DSIP2-SB-51B-4-6
		Sample Date	7/23/2013	7/24/2013	7/24/2013	7/23/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013
		Sample Type	N	N	N	N	N	N	N	N	FD
		X	1268066.22	1268066.94	1268069.67	1268029.81	1268348.79	1268348.79	1268348.79	1268348.79	1268348.79
		Y	204393.09	204421.57	204454.65	204601.34	204095.62	204095.62	204095.62	204095.62	204095.62
	Screening Level										
Hexachlorocyclopentadiene		8.115 UJ	5.251 UJ	8.684 UJ	5.337 UJ	3.623 UJ	11.884 UJ	2.994 UJ	5.963 UJ	4.974 UJ
Hexachloroethane		1.639 U	1.061 U	1.754 U	1.067 U	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
Isophorone		1.639 U	1.061 U	1.754 U	1.067 U	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
Nitrobenzene		1.639 U	1.061 U	1.754 U	1.067 U	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
n-Nitrosodimethylamine		--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine		1.639 U	1.061 U	1.754 U	1.067 U	0.717 U	2.402 U	0.586 U	1.18 U	0.995 U
n-Nitrosodiphenylamine	11	0.4098 U	0.2626 U	**5.877**	0.2697 U	0.1811 U	0.5942 U	0.1481 U	0.2981 U	0.2513 U
Pentachlorophenol		**3.689**	**1.844**	1.754 U	1.067 U	0.717 UJ	2.402 UJ	0.586 UJ	1.18 UJ	0.995 UJ
Phenol		**5.82**	**7.821**	**8.772**	0.787 U	**1.321**	**1.391 J**	**2.377**	**1.304**	**1.466**
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene		5 U	4.7 U	5 U	4.8 U	4.8 U	4.7 U	4.8 U	4.8 U	4.8 U
1,2-Dichlorobenzene		5 U	4.7 U	5 U	4.8 U	--	--	--	--	**2.5 J**
1,3-Dichlorobenzene		5 U	4.7 U	5 U	4.8 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U
1,4-Dichlorobenzene		5 U	4.7 U	5 U	**2.8 J**	**5.9**	--	**3 J**	**2.9 J**	**3.5 J**
2,2'-Oxybis (1-chloropropane)		20 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U
2,3,4,6-Tetrachlorophenol		20 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U
2,4,5-Trichlorophenol		99 U	94 U	99 U	95 U	96 U	94 U	97 U	96 U	95 U
2,4,6-Trichlorophenol		99 U	94 U	99 U	95 U	96 U	94 U	97 U	96 U	95 U
2,4-Dichlorophenol		99 U	94 U	99 U	95 U	96 U	94 U	97 U	96 U	95 U
2,4-Dimethylphenol	29	25 UJ	24 UJ	25 UJ	24 UJ	24 U	24 U	24 U	24 U	24 U
2,4-Dinitrophenol		200 U	190 U	200 U	190 U	190 UJ	190 UJ	190 UJ	190 UJ	190 UJ
2,4-Dinitrotoluene		99 U	94 U	99 U	95 U	96 U	94 U	97 U	96 U	95 U
2,6-Dinitrotoluene		99 U	94 U	99 U	95 U	96 U	94 U	97 U	96 U	95 U
2-Chloronaphthalene		20 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U
2-Chlorophenol		20 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U
2-Methylphenol (o-Cresol)	63	**3.3 J**	**5**	**8.2**	4.8 U	**4.5 J**	4.7 U	**2.7 J**	**2.7 J**	**3.1 J**
2-Nitroaniline		99 U	94 U	99 U	95 U	96 U	94 U	97 U	96 U	95 U
2-Nitrophenol		20 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U
3,3'-Dichlorobenzidine		99 UJ	94 UJ	99 UJ	95 UJ	96 UJ	94 UJ	97 UJ	96 UJ	95 UJ
3-Nitroaniline		99 U	94 U	99 U	95 U	96 UJ	94 UJ	97 UJ	96 UJ	95 UJ
4-Bromophenyl-phenyl ether		20 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U
4-Chloro-3-methylphenol		99 U	94 U	99 U	95 U	96 U	94 U	97 U	96 U	95 U
4-Chloroaniline		99 UJ	94 UJ	99 UJ	95 UJ	96 UJ	94 UJ	97 UJ	96 UJ	95 UJ
4-Chlorophenyl phenyl ether		20 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U
4-Methylphenol (p-Cresol)	270	**39**	**24**	**90**	**17**	**23**	**7.5**	**12**	**12**	**22**
4-Nitroaniline		99 U	94 U	99 U	95 U	96 U	94 U	97 U	96 U	95 U
4-Nitrophenol		99 U	94 U	99 U	95 U	96 U	94 U	97 U	96 U	95 U
Benzoic acid	650	**64 J**	**69 J**	**220**	190 U	**200**	190 U	**100 J**	**90 J**	**130 J**
Benzyl alcohol	57	20 U	19 U	**160**	19 U	19 UJ	19 UJ	19 UJ	19 UJ	19 UJ
bis(2-Chloroethoxy)methane		20 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U
bis(2-Chloroethyl)ether		20 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-05	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312
	Depth	0 – 2 ft	0 – 2 ft	0 – 1.8 ft	0 – 2 ft	0 – 2 ft	10 – 11 ft	2 – 4 ft	4 – 6 ft	4 – 6 ft
	Sample ID	DSIMR-SB-01-0-2	DSIMR-SB-02-0-2	DSIMR-SB-03-0-1.8	DSIMR-SB-05-0-2	DSIP2-SB-01b-0-2	DSIP2-SB-01b-10-11	DSIP2-SB-01b-2-4	DSIP2-SB-01b-4-6	DSIP2-SB-51B-4-6
	Sample Date	7/23/2013	7/24/2013	7/24/2013	7/23/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	N	N	N	N	N	FD
	X	1268066.22	1268066.94	1268069.67	1268029.81	1268348.79	1268348.79	1268348.79	1268348.79	1268348.79
	Y	204393.09	204421.57	204454.65	204601.34	204095.62	204095.62	204095.62	204095.62	204095.62
	Screening Level									
bis(2-Ethylhexyl)phthalate		**200**	**190**	**160**	**150**	**440 J**	**64 J**	**420 J**	**410 J**	**460 J**
Butylbenzyl phthalate		**24 J**	**11 J**	**10 J**	**3.4 J**	**52 J**	**9.6 J**	**52 J**	**32 J**	**54 J**
Diethyl phthalate		36 U	19 U	31 U	19 U	19 U	19 U	19 U	19 U	19 U
Dimethyl phthalate		**13**	**7.6**	**3.2 J**	4.8 U	**6.1**	4.7 U	**11**	**5.1**	**7.6**
Di-n-butyl phthalate		**610**	**27**	**62**	**290**	19 U	19 U	19 U	19 U	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		200 U	190 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U
Di-n-octyl phthalate		20 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U
Hexachlorobenzene		5 U	4.7 U	--	--	--	--	--	--	4.8 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		5 U	4.7 U	5 U	4.8 U	--	--	--	--	--
Hexachlorocyclopentadiene		99 UJ	94 UJ	99 UJ	95 UJ	96 UJ	94 UJ	97 UJ	96 UJ	95 UJ
Hexachloroethane		20 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U
Isophorone		20 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U
Nitrobenzene		20 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U
n-Nitrosodimethylamine		--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine		20 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	19 U
n-Nitrosodiphenylamine		5 U	4.7 U	**67**	4.8 U	4.8 U	4.7 U	4.8 U	4.8 U	4.8 U
Pentachlorophenol	360	**45**	**33**	20 U	19 U	19 UJ	19 UJ	19 UJ	19 UJ	19 UJ
Phenol	420	**71**	**140**	**100**	14 U	**35**	**11 J**	**77**	**21**	**28**

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSIP2-SB-01b_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312
	Depth	6.5 – 8.5 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6.7 – 8.7 ft	9.5 – 11.3 ft	0 – 2 ft	2 – 4 ft
	Sample ID	DSIP2-SB-01b-6.5-8.5	DSIP2-SB-02-0-2	DSIP2-SB-02-2-4	DSIP2-SB-02-4-6	DSIP2-SB-02-6.7-8.7	DSIP2-SB-02-9.5-11.3	DSIP2-SB-03-0-2	DSIP2-SB-03-2-4
	Sample Date	12/18/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013
	Sample Type	N	N	N	N	N	N	N	N
	X	1268348.79	1268373.50	1268373.50	1268373.50	1268373.50	1268373.50	1268353.78	1268353.78
	Y	204095.62	204254.08	204254.08	204254.08	204254.08	204254.08	204333.70	204333.70
	Screening Level								
Semivolatile Organics (mg/kg-OC)									
1,2,4-Trichlorobenzene	0.81	0.2124 U	0.1584 U	0.2475 U	**0.0988 J**	0.23 U	1.1422 U	0.1852 U	0.2553 U
1,2-Dichlorobenzene	2.3	**0.1726 J**	0.0528 U	**0.1566 J**	**0.2016**	0.0704 U	0.2797 U	0.0593 U	0.0957 U
1,3-Dichlorobenzene		0.0708 U	0.0528 U	0.0859 U	0.0632 U	0.0704 U	0.2797 U	0.0593 U	0.0957 U
1,4-Dichlorobenzene	3.1	**0.2611**	**0.1617**	**0.2172 J**	**0.3123**	**0.1972 J**	0.2797 U	**0.0926 J**	**0.1915 J**
2,2'-Oxybis (1-chloropropane)		0.841 U	0.627 U	1.01 U	0.751 U	0.939 U	4.662 U	0.741 U	1.011 U
2,3,4,6-Tetrachlorophenol		0.841 U	0.627 U	1.01 U	0.751 U	0.939 U	4.662 U	0.741 U	1.011 U
2,4,5-Trichlorophenol		4.204 U	3.168 U	4.949 U	3.794 U	4.601 U	22.844 U	3.667 U	5.106 U
2,4,6-Trichlorophenol		4.204 U	3.168 U	4.949 U	3.794 U	4.601 U	22.844 U	3.667 U	5.106 U
2,4-Dichlorophenol		4.204 U	3.168 U	4.949 U	3.794 U	4.601 U	22.844 U	3.667 U	5.106 U
2,4-Dimethylphenol		1.062 U	0.792 U	1.212 U	0.949 U	1.127 U	5.828 U	0.926 U	1.277 U
2,4-Dinitrophenol		8.407 UJ	6.271 U	10.101 U	7.51 U	9.39 U	46.62 U	7.407 U	10.106 U
2,4-Dinitrotoluene		4.204 U	3.168 U	4.949 U	3.794 U	4.601 U	22.844 U	3.667 U	5.106 U
2,6-Dinitrotoluene		4.204 U	3.168 U	4.949 U	3.794 U	4.601 U	22.844 U	3.667 U	5.106 U
2-Chloronaphthalene		0.841 U	0.627 U	1.01 U	0.751 U	0.939 U	4.662 U	0.741 U	1.011 U
2-Chlorophenol		0.841 U	0.627 U	1.01 U	0.751 U	0.939 U	4.662 U	0.741 U	1.011 U
2-Methylphenol (o-Cresol)		**0.1416 J**	**0.1353 J**	**0.2222 J**	**0.1502 J**	0.23 U	1.1422 U	**0.1259 J**	**0.2287 J**
2-Nitroaniline		4.204 U	3.168 U	4.949 U	3.794 U	4.601 U	22.844 U	3.667 U	5.106 U
2-Nitrophenol		0.841 U	0.627 U	1.01 U	0.751 U	0.939 U	4.662 U	0.741 U	1.011 U
3,3'-Dichlorobenzidine		4.204 UJ	3.168 UJ	4.949 UJ	3.794 UJ	4.601 UJ	22.844 UJ	3.667 UJ	5.106 UJ
3-Nitroaniline		4.204 UJ	3.168 UJ	4.949 UJ	3.794 UJ	4.601 UJ	22.844 UJ	3.667 UJ	5.106 UJ
4-Bromophenyl-phenyl ether		0.841 U	0.627 U	1.01 U	0.751 U	0.939 U	4.662 U	0.741 U	1.011 U
4-Chloro-3-methylphenol		4.204 U	3.168 U	4.949 U	3.794 U	4.601 U	22.844 U	3.667 U	5.106 U
4-Chloroaniline		4.204 UJ	3.168 UJ	4.949 UJ	3.794 UJ	4.601 UJ	22.844 UJ	3.667 UJ	5.106 UJ
4-Chlorophenyl phenyl ether		0.841 U	0.627 U	1.01 U	0.751 U	0.939 U	4.662 U	0.741 U	1.011 U
4-Methylphenol (p-Cresol)		**0.796**	**0.495**	**1.01**	**0.751**	**1.033**	1.1422 U	**0.444**	**0.851**
4-Nitroaniline		4.204 U	3.168 U	4.949 U	3.794 U	4.601 U	22.844 U	3.667 U	5.106 U
4-Nitrophenol		4.204 U	3.168 U	4.949 U	3.794 U	4.601 U	22.844 U	3.667 U	5.106 U
Benzoic acid		**4.248 J**	**9.241**	**8.586 J**	**6.719 J**	**2.958 J**	46.62 U	**6.296 J**	**6.383 J**
Benzyl alcohol		0.841 UJ	**4.95**	**3.131**	**2.53**	**1.127**	4.662 U	**3.593**	**2.553**
bis(2-Chloroethoxy)methane		0.841 U	0.627 U	1.01 U	0.751 U	0.939 U	4.662 U	0.741 U	1.011 U
bis(2-Chloroethyl)ether		0.841 U	0.627 U	1.01 U	0.751 U	0.939 U	4.662 U	0.741 U	1.011 U
bis(2-Ethylhexyl)phthalate	47	**23.009 J**	**8.251**	**22.222**	**13.439**	**3.333**	11.422 U	**7.037**	**20.745**
Butylbenzyl phthalate	4.9	**2.788 J**	**1.122**	**2.576**	**1.818**	0.23 U	1.1422 U	**1.185**	**2.181**
Diethyl phthalate	61	0.841 U	0.627 U	1.01 U	0.751 U	0.939 U	4.662 U	0.741 U	1.011 U
Dimethyl phthalate	53	**0.2832**	**0.1782**	**0.4747**	0.1897 U	0.23 U	1.1422 U	0.1852 U	**0.2979**
Di-n-butyl phthalate	220	0.841 U	0.627 U	1.01 U	0.751 U	0.939 U	4.662 U	**0.3667 J**	**0.798 J**
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		8.407 U	6.271 U	10.101 U	7.51 U	9.39 U	46.62 U	7.407 U	10.106 U
Di-n-octyl phthalate	58	0.841 U	0.627 U	1.01 U	0.751 U	0.939 U	4.662 U	0.741 U	1.011 U
Hexachlorobenzene	0.38	0.04292 UJ	0.1584 U	0.04899 UJ	0.03874 UJ	0.04554 UJ	0.21911 UJ	0.03593 UJ	0.05266 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.04292 U	0.03267 U	0.04899 U	0.03874 U	0.04554 U	0.21911 U	0.03593 U	0.05266 U

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSIP2-SB-01b_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312
	Depth	6.5 – 8.5 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6.7 – 8.7 ft	9.5 – 11.3 ft	0 – 2 ft	2 – 4 ft
	Sample ID	DSIP2-SB-01b-6.5-8.5	DSIP2-SB-02-0-2	DSIP2-SB-02-2-4	DSIP2-SB-02-4-6	DSIP2-SB-02-6.7-8.7	DSIP2-SB-02-9.5-11.3	DSIP2-SB-03-0-2	DSIP2-SB-03-2-4
	Sample Date	12/18/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013
	Sample Type	N	N	N	N	N	N	N	N
	X	1268348.79	1268373.50	1268373.50	1268373.50	1268373.50	1268373.50	1268353.78	1268353.78
	Y	204095.62	204254.08	204254.08	204254.08	204254.08	204254.08	204333.70	204333.70
	Screening Level								
Hexachlorocyclopentadiene		4.204 UJ	3.168 U	4.949 U	3.794 U	4.601 U	22.844 U	3.667 U	5.106 U
Hexachloroethane		0.841 U	0.627 U	1.01 U	0.751 U	0.939 U	4.662 U	0.741 U	1.011 U
Isophorone		0.841 U	0.627 U	1.01 U	0.751 U	0.939 U	4.662 U	0.741 U	1.011 U
Nitrobenzene		0.841 U	0.627 U	1.01 U	**1.7**	0.939 U	4.662 U	0.741 U	1.011 U
n-Nitrosodimethylamine		--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine		0.841 U	0.627 U	1.01 U	0.751 U	0.939 U	4.662 U	0.741 U	1.011 U
n-Nitrosodiphenylamine	11	**0.442**	0.1584 U	0.2475 U	0.1897 U	0.23 U	1.1422 U	0.1852 U	0.2553 U
Pentachlorophenol		0.841 UJ	**0.594 J**	**1.111**	0.751 U	0.939 U	4.662 U	0.741 U	1.011 U
Phenol		0.841 U	**1.452**	**1.818**	**1.146**	**0.4601 J**	1.1422 U	**1.963**	**1.489**
Semivolatile Organics (µg/kg)									
1,2,4-Trichlorobenzene		4.8 U	4.8 U	4.9 U	**2.5 J**	4.9 U	4.9 U	5 U	4.8 U
1,2-Dichlorobenzene		**3.9 J**	--	**3.1 J**	**5.1**	--	--	--	--
1,3-Dichlorobenzene		1.6 U	1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U
1,4-Dichlorobenzene		**5.9**	**4.9**	**4.3 J**	**7.9**	**4.2 J**	--	**2.5 J**	**3.6 J**
2,2'-Oxybis (1-chloropropane)		19 U	19 U	20 U	19 U	20 U	20 U	20 U	19 U
2,3,4,6-Tetrachlorophenol		19 U	19 U	20 U	19 U	20 U	20 U	20 U	19 U
2,4,5-Trichlorophenol		95 U	96 U	98 U	96 U	98 U	98 U	99 U	96 U
2,4,6-Trichlorophenol		95 U	96 U	98 U	96 U	98 U	98 U	99 U	96 U
2,4-Dichlorophenol		95 U	96 U	98 U	96 U	98 U	98 U	99 U	96 U
2,4-Dimethylphenol	29	24 U	24 U	24 U	24 U	24 U	25 U	25 U	24 U
2,4-Dinitrophenol		190 UJ	190 U	200 U	190 U	200 U	200 U	200 U	190 U
2,4-Dinitrotoluene		95 U	96 U	98 U	96 U	98 U	98 U	99 U	96 U
2,6-Dinitrotoluene		95 U	96 U	98 U	96 U	98 U	98 U	99 U	96 U
2-Chloronaphthalene		19 U	19 U	20 U	19 U	20 U	20 U	20 U	19 U
2-Chlorophenol		19 U	19 U	20 U	19 U	20 U	20 U	20 U	19 U
2-Methylphenol (o-Cresol)	63	**3.2 J**	**4.1 J**	**4.4 J**	**3.8 J**	4.9 U	4.9 U	**3.4 J**	**4.3 J**
2-Nitroaniline		95 U	96 U	98 U	96 U	98 U	98 U	99 U	96 U
2-Nitrophenol		19 U	19 U	20 U	19 U	20 U	20 U	20 U	19 U
3,3'-Dichlorobenzidine		95 UJ	96 UJ	98 UJ	96 UJ	98 UJ	98 UJ	99 UJ	96 UJ
3-Nitroaniline		95 UJ	96 UJ	98 UJ	96 UJ	98 UJ	98 UJ	99 UJ	96 UJ
4-Bromophenyl-phenyl ether		19 U	19 U	20 U	19 U	20 U	20 U	20 U	19 U
4-Chloro-3-methylphenol		95 U	96 U	98 U	96 U	98 U	98 U	99 U	96 U
4-Chloroaniline		95 UJ	96 UJ	98 UJ	96 UJ	98 UJ	98 UJ	99 UJ	96 UJ
4-Chlorophenyl phenyl ether		19 U	19 U	20 U	19 U	20 U	20 U	20 U	19 U
4-Methylphenol (p-Cresol)	270	**18**	**15**	**20**	**19**	**22**	4.9 U	**12**	**16**
4-Nitroaniline		95 U	96 U	98 U	96 U	98 U	98 U	99 U	96 U
4-Nitrophenol		95 U	96 U	98 U	96 U	98 U	98 U	99 U	96 U
Benzoic acid	650	**96 J**	**280**	**170 J**	**170 J**	**63 J**	200 U	**170 J**	**120 J**
Benzyl alcohol	57	19 UJ	**150**	**62**	**64**	**24**	20 U	**97**	**48**
bis(2-Chloroethoxy)methane		19 U	19 U	20 U	19 U	20 U	20 U	20 U	19 U
bis(2-Chloroethyl)ether		19 U	19 U	20 U	19 U	20 U	20 U	20 U	19 U

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSIP2-SB-01b_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312
	Depth	6.5 – 8.5 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6.7 – 8.7 ft	9.5 – 11.3 ft	0 – 2 ft	2 – 4 ft
	Sample ID	DSIP2-SB-01b-6.5-8.5	DSIP2-SB-02-0-2	DSIP2-SB-02-2-4	DSIP2-SB-02-4-6	DSIP2-SB-02-6.7-8.7	DSIP2-SB-02-9.5-11.3	DSIP2-SB-03-0-2	DSIP2-SB-03-2-4
	Sample Date	12/18/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013
	Sample Type	N	N	N	N	N	N	N	N
	X	1268348.79	1268373.50	1268373.50	1268373.50	1268373.50	1268373.50	1268353.78	1268353.78
	Y	204095.62	204254.08	204254.08	204254.08	204254.08	204254.08	204333.70	204333.70
	Screening Level								
bis(2-Ethylhexyl)phthalate		**520 J**	**250**	**440**	**340**	**71**	49 U	**190**	**390**
Butylbenzyl phthalate		**63 J**	**34**	**51**	**46**	4.9 U	4.9 U	**32**	**41**
Diethyl phthalate		19 U	19 U	20 U	19 U	20 U	20 U	20 U	19 U
Dimethyl phthalate		**6.4**	**5.4**	**9.4**	4.8 U	4.9 U	4.9 U	5 U	**5.6**
Di-n-butyl phthalate		19 U	19 U	20 U	19 U	20 U	20 U	**9.9 J**	**15 J**
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		190 U	190 U	200 U	190 U	200 U	200 U	200 U	190 U
Di-n-octyl phthalate		19 U	19 U	20 U	19 U	20 U	20 U	20 U	19 U
Hexachlorobenzene		--	4.8 U	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene		95 UJ	96 U	98 U	96 U	98 U	98 U	99 U	96 U
Hexachloroethane		19 U	19 U	20 U	19 U	20 U	20 U	20 U	19 U
Isophorone		19 U	19 U	20 U	19 U	20 U	20 U	20 U	19 U
Nitrobenzene		19 U	19 U	20 U	**43**	20 U	20 U	20 U	19 U
n-Nitrosodimethylamine		--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine		19 U	19 U	20 U	19 U	20 U	20 U	20 U	19 U
n-Nitrosodiphenylamine		**10**	4.8 U	4.9 U	4.8 U	4.9 U	4.9 U	5 U	4.8 U
Pentachlorophenol	360	19 UJ	**18 J**	**22**	19 U	20 U	20 U	20 U	19 U
Phenol	420	19 U	**44**	**36**	**29**	**9.8 J**	4.9 U	**53**	**28**

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312
	Depth	4 – 6 ft	6 – 8 ft	9.5 – 11.5 ft	0 – 2 ft	2 – 4 ft	5 – 7 ft	7.5 – 9.5 ft	7.5 – 9.5 ft
	Sample ID	DSIP2-SB-03-4-6	DSIP2-SB-03-6-8	DSIP2-SB-03-9.5-11.5	DSIP2-SB-04-0-2	DSIP2-SB-04-2-4	DSIP2-SB-04-5-7	DSIP2-SB-04-7.5-9.5	DSIP2-SB-54-7.5-9.5
	Sample Date	12/13/2013	12/13/2013	12/13/2013	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/14/2013
	Sample Type	N	N	N	N	N	N	N	FD
	X	1268353.78	1268353.78	1268353.78	1268312.94	1268312.94	1268312.94	1268312.94	1268312.94
	Y	204333.70	204333.70	204333.70	204461.82	204461.82	204461.82	204461.82	204461.82
	Screening Level								
Semivolatile Organics (mg/kg-OC)									
1,2,4-Trichlorobenzene	0.81	0.214 U	0.1761 U	1.1869 U	0.2069 U	0.2254 U	0.3427 U	2.3364 U	2.2477 U
1,2-Dichlorobenzene	2.3	**0.1878 J**	**0.1021 J**	0.3283 U	0.0733 U	**0.1831 J**	0.0979 UJ	0.5607 U	0.5963 U
1,3-Dichlorobenzene		0.0699 U	0.0563 U	0.3283 U	0.0733 U	0.0845 U	0.0979 UJ	0.5607 U	0.5963 U
1,4-Dichlorobenzene	3.1	**0.2795**	**0.162 J**	0.3283 U	**0.1724 J**	**0.338**	**0.2238 J**	0.5607 U	0.5963 U
2,2'-Oxybis (1-chloropropane)		0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
2,3,4,6-Tetrachlorophenol		0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
2,4,5-Trichlorophenol		4.279 U	3.521 U	23.737 U	4.138 U	4.507 U	6.923 U	46.729 U	44.954 U
2,4,6-Trichlorophenol		4.279 U	3.521 U	23.737 U	4.138 U	4.507 U	6.923 U	46.729 U	44.954 U
2,4-Dichlorophenol		4.279 U	3.521 U	23.737 U	4.138 U	4.507 U	6.923 U	46.729 U	44.954 U
2,4-Dimethylphenol		1.048 U	0.88 U	6.061 U	1.034 U	1.127 U	1.748 U	11.682 U	11.468 U
2,4-Dinitrophenol		8.734 U	7.042 U	47.98 U	8.19 UJ	8.92 UJ	13.986 UJ	93.458 UJ	91.743 UJ
2,4-Dinitrotoluene		4.279 U	3.521 U	23.737 U	4.138 U	4.507 U	6.923 U	46.729 U	44.954 U
2,6-Dinitrotoluene		4.279 U	3.521 U	23.737 U	4.138 U	4.507 U	6.923 U	46.729 U	44.954 U
2-Chloronaphthalene		0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
2-Chlorophenol		0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
2-Methylphenol (o-Cresol)		**0.131 J**	**0.1127 J**	1.1869 U	**0.69**	**0.216 J**	**0.5734**	2.3364 U	2.2477 U
2-Nitroaniline		4.279 U	3.521 U	23.737 U	4.138 U	4.507 U	6.923 U	46.729 U	44.954 U
2-Nitrophenol		0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
3,3'-Dichlorobenzidine		4.279 UJ	3.521 UJ	23.737 UJ	4.138 UJ	4.507 UJ	6.923 UJ	46.729 UJ	44.954 UJ
3-Nitroaniline		4.279 UJ	3.521 UJ	23.737 UJ	4.138 UJ	4.507 UJ	6.923 UJ	46.729 UJ	44.954 UJ
4-Bromophenyl-phenyl ether		0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
4-Chloro-3-methylphenol		4.279 U	3.521 U	23.737 U	4.138 U	4.507 U	6.923 U	46.729 U	44.954 U
4-Chloroaniline		4.279 UJ	3.521 UJ	23.737 UJ	4.138 UJ	4.507 UJ	6.923 UJ	46.729 UJ	44.954 UJ
4-Chlorophenyl phenyl ether		0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
4-Methylphenol (p-Cresol)		**0.611**	**0.634**	**0.7323 J**	**1.164**	**1.408**	**1.888**	2.3364 U	2.2477 U
4-Nitroaniline		4.279 U	3.521 U	23.737 U	4.138 U	4.507 U	6.923 U	46.729 U	44.954 U
4-Nitrophenol		4.279 U	3.521 U	23.737 U	4.138 U	4.507 U	6.923 U	46.729 U	44.954 U
Benzoic acid		**5.677 J**	**4.225 J**	47.98 U	**8.621**	**6.103 J**	**6.643 J**	93.458 U	91.743 U
Benzyl alcohol		**2.14**	**2.007**	4.798 U	0.819 UJ	0.892 UJ	1.399 UJ	9.346 UJ	9.174 UJ
bis(2-Chloroethoxy)methane		0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
bis(2-Chloroethyl)ether		0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
bis(2-Ethylhexyl)phthalate	47	**10.044**	**2.782**	11.869 U	**20.69 J**	**25.822 J**	**11.888 J**	23.364 U	22.477 U
Butylbenzyl phthalate	4.9	**2.358**	**0.493**	1.1869 U	**2.284 J**	**3.474 J**	**2.028 J**	2.3364 U	2.2477 U
Diethyl phthalate	61	0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
Dimethyl phthalate	53	0.214 U	0.1761 U	1.1869 U	**0.2931**	**0.277**	**0.2168 J**	2.3364 U	2.2477 U
Di-n-butyl phthalate	220	0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		8.734 U	7.042 U	47.98 U	8.19 U	8.92 U	13.986 U	93.458 U	91.743 U
Di-n-octyl phthalate	58	0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
Hexachlorobenzene	0.38	0.04192 UJ	0.0338 UJ	0.24495 UJ	0.04267 UJ	0.04648 UJ	0.0839 UJ	0.44393 UJ	0.43119 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.04192 U	0.0338 U	0.24495 U	0.04267 U	0.04648 U	0.06783 U	0.44393 U	0.43119 U

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312
		Depth	4 – 6 ft	6 – 8 ft	9.5 – 11.5 ft	0 – 2 ft	2 – 4 ft	5 – 7 ft	7.5 – 9.5 ft	7.5 – 9.5 ft
		Sample ID	DSIP2-SB-03-4-6	DSIP2-SB-03-6-8	DSIP2-SB-03-9.5-11.5	DSIP2-SB-04-0-2	DSIP2-SB-04-2-4	DSIP2-SB-04-5-7	DSIP2-SB-04-7.5-9.5	DSIP2-SB-54-7.5-9.5
		Sample Date	12/13/2013	12/13/2013	12/13/2013	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/14/2013
		Sample Type	N	N	N	N	N	N	N	FD
		X	1268353.78	1268353.78	1268353.78	1268312.94	1268312.94	1268312.94	1268312.94	1268312.94
		Y	204333.70	204333.70	204333.70	204461.82	204461.82	204461.82	204461.82	204461.82
	Screening Level									
Hexachlorocyclopentadiene			4.279 U	3.521 U	23.737 U	4.138 UJ	4.507 UJ	6.923 UJ	46.729 UJ	44.954 UJ
Hexachloroethane			0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
Isophorone			0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
Nitrobenzene			0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
n-Nitrosodimethylamine			--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine			0.873 U	0.704 U	4.798 U	0.819 U	0.892 U	1.399 U	9.346 U	9.174 U
n-Nitrosodiphenylamine	11		**0.4192**	0.1761 U	1.1869 U	0.2069 U	0.2254 U	0.3427 U	2.3364 U	2.2477 U
Pentachlorophenol			**0.611 J**	0.704 U	4.798 U	**1.078 J**	0.892 UJ	1.399 UJ	9.346 UJ	9.174 UJ
Phenol			**0.742 J**	**0.528 J**	1.5152 U	**1.336**	**2.723**	**1.888**	4.673 U	4.587 U
Semivolatile Organics (µg/kg)										
1,2,4-Trichlorobenzene			4.9 U	5 U	4.7 U	4.8 U	4.8 U	4.9 U	5 U	4.9 U
1,2-Dichlorobenzene			**4.3 J**	**2.9 J**	--	--	**3.9 J**	--	--	--
1,3-Dichlorobenzene			1.6 U	1.6 U	1.3 U	1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U
1,4-Dichlorobenzene			**6.4**	**4.6 J**	--	**4 J**	**7.2**	**3.2 J**	--	--
2,2'-Oxybis (1-chloropropane)			20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U
2,3,4,6-Tetrachlorophenol			20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U
2,4,5-Trichlorophenol			98 U	100 U	94 U	96 U	96 U	99 U	100 U	98 U
2,4,6-Trichlorophenol			98 U	100 U	94 U	96 U	96 U	99 U	100 U	98 U
2,4-Dichlorophenol			98 U	100 U	94 U	96 U	96 U	99 U	100 U	98 U
2,4-Dimethylphenol	29		24 U	25 U	24 U	24 U	24 U	25 U	25 U	25 U
2,4-Dinitrophenol			200 U	200 U	190 U	190 UJ	190 UJ	200 UJ	200 UJ	200 UJ
2,4-Dinitrotoluene			98 U	100 U	94 U	96 U	96 U	99 U	100 U	98 U
2,6-Dinitrotoluene			98 U	100 U	94 U	96 U	96 U	99 U	100 U	98 U
2-Chloronaphthalene			20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U
2-Chlorophenol			20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U
2-Methylphenol (o-Cresol)	63		**3 J**	**3.2 J**	4.7 U	**16**	**4.6 J**	**8.2**	5 U	4.9 U
2-Nitroaniline			98 U	100 U	94 U	96 U	96 U	99 U	100 U	98 U
2-Nitrophenol			20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U
3,3'-Dichlorobenzidine			98 UJ	100 UJ	94 UJ	96 UJ	96 UJ	99 UJ	100 UJ	98 UJ
3-Nitroaniline			98 UJ	100 UJ	94 UJ	96 UJ	96 UJ	99 UJ	100 UJ	98 UJ
4-Bromophenyl-phenyl ether			20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U
4-Chloro-3-methylphenol			98 U	100 U	94 U	96 U	96 U	99 U	100 U	98 U
4-Chloroaniline			98 UJ	100 UJ	94 UJ	96 UJ	96 UJ	99 UJ	100 UJ	98 UJ
4-Chlorophenyl phenyl ether			20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U
4-Methylphenol (p-Cresol)	270		**14**	**18**	**2.9 J**	**27**	**30**	**27**	5 U	4.9 U
4-Nitroaniline			98 U	100 U	94 U	96 U	96 U	99 U	100 U	98 U
4-Nitrophenol			98 U	100 U	94 U	96 U	96 U	99 U	100 U	98 U
Benzoic acid	650		**130 J**	**120 J**	190 U	**200**	**130 J**	**95 J**	200 U	200 U
Benzyl alcohol	57		**49**	**57**	19 U	19 UJ	19 UJ	20 UJ	20 UJ	20 UJ
bis(2-Chloroethoxy)methane			20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U
bis(2-Chloroethyl)ether			20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312
		Depth	4 – 6 ft	6 – 8 ft	9.5 – 11.5 ft	0 – 2 ft	2 – 4 ft	5 – 7 ft	7.5 – 9.5 ft	7.5 – 9.5 ft
		Sample ID	DSIP2-SB-03-4-6	DSIP2-SB-03-6-8	DSIP2-SB-03-9.5-11.5	DSIP2-SB-04-0-2	DSIP2-SB-04-2-4	DSIP2-SB-04-5-7	DSIP2-SB-04-7.5-9.5	DSIP2-SB-54-7.5-9.5
		Sample Date	12/13/2013	12/13/2013	12/13/2013	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/14/2013
		Sample Type	N	N	N	N	N	N	N	FD
		X	1268353.78	1268353.78	1268353.78	1268312.94	1268312.94	1268312.94	1268312.94	1268312.94
		Y	204333.70	204333.70	204333.70	204461.82	204461.82	204461.82	204461.82	204461.82
	Screening Level									
bis(2-Ethylhexyl)phthalate		**230**	**79**	47 U	**480 J**	**550 J**	**170 J**	50 U	49 U
Butylbenzyl phthalate		**54**	**14**	4.7 U	**53 J**	**74 J**	**29 J**	5 U	4.9 U
Diethyl phthalate		20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U
Dimethyl phthalate		4.9 U	5 U	4.7 U	**6.8**	**5.9**	**3.1 J**	5 U	4.9 U
Di-n-butyl phthalate		20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		200 U	200 U	190 U	190 U	190 U	200 U	200 U	200 U
Di-n-octyl phthalate		20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U
Hexachlorobenzene		--	--	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene		98 U	100 U	94 U	96 UJ	96 UJ	99 UJ	100 UJ	98 UJ
Hexachloroethane		20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U
Isophorone		20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U
Nitrobenzene		20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U
n-Nitrosodimethylamine		--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine		20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U
n-Nitrosodiphenylamine		**9.6**	5 U	4.7 U	4.8 U	4.8 U	4.9 U	5 U	4.9 U
Pentachlorophenol	360	**14 J**	20 U	19 U	**25 J**	19 UJ	20 UJ	20 UJ	20 UJ
Phenol	420	**17 J**	**15 J**	6 U	**31**	**58**	**27**	10 U	10 U

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSIP2-SB-04_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312
	Depth	9.5 – 11.5 ft	0 – 2 ft	0 – 2 ft	10 – 12 ft	4 – 6 ft	6.7 – 8.7 ft	0 – 2 ft	2 – 4 ft
	Sample ID	DSIP2-SB-04-9.5-11.5	DSIP2-SB-05-0-2	DSIP2-SB-05-2-4	DSIP2-SB-05-10-12	DSIP2-SB-05-4-6	DSIP2-SB-05-6.7-8.7	DSIP2-SB-06-0-2	DSIP2-SB-06-2-4
	Sample Date	12/14/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N	N
	X	1268312.94	1268262.71	1268262.71	1268262.71	1268262.71	1268262.71	1268218.43	1268218.43
	Y	204461.82	204583.57	204583.57	204583.57	204583.57	204583.57	204716.63	204716.63
	Screening Level								
Semivolatile Organics (mg/kg-OC)									
1,2,4-Trichlorobenzene	0.81	1.3405 U	0.1828 U	0.2326 U	11.9048 U	0.2663 U	0.6258 U	0.2008 U	0.2816 U
1,2-Dichlorobenzene	2.3	0.3217 U	0.0634 U	**0.1628 J**	2.619 U	0.0815 U	0.1695 U	0.0683 U	0.092 U
1,3-Dichlorobenzene		0.3217 U	0.0634 U	0.0791 U	2.619 U	0.0815 U	0.1695 U	0.0683 U	0.092 U
1,4-Dichlorobenzene	3.1	0.3217 U	**0.1343 J**	**0.2791**	2.619 U	**0.2337 J**	0.1695 U	**0.1044 J**	**0.2184 J**
2,2'-Oxybis (1-chloropropane)		5.362 U	0.746 U	0.93 U	47.619 U	1.087 U	2.477 U	0.803 U	1.149 U
2,3,4,6-Tetrachlorophenol		5.362 U	0.746 U	0.93 U	47.619 U	1.087 U	2.477 U	0.803 U	1.149 U
2,4,5-Trichlorophenol		26.542 U	3.657 U	4.651 U	235.714 U	5.326 U	12.386 U	4.016 U	5.632 U
2,4,6-Trichlorophenol		26.542 U	3.657 U	4.651 U	235.714 U	5.326 U	12.386 U	4.016 U	5.632 U
2,4-Dichlorophenol		26.542 U	3.657 U	4.651 U	235.714 U	5.326 U	12.386 U	4.016 U	5.632 U
2,4-Dimethylphenol		6.702 U	0.896 U	1.163 U	59.524 U	1.304 U	3.129 U	1.004 UJ	1.379 UJ
2,4-Dinitrophenol		53.619 UJ	7.463 U	9.302 U	476.19 U	10.87 U	24.772 U	8.032 U	11.494 U
2,4-Dinitrotoluene		26.542 U	3.657 U	4.651 U	235.714 U	5.326 U	12.386 U	4.016 U	5.632 U
2,6-Dinitrotoluene		26.542 U	3.657 U	4.651 U	235.714 U	5.326 U	12.386 U	4.016 U	5.632 U
2-Chloronaphthalene		5.362 U	0.746 U	0.93 U	47.619 U	1.087 U	2.477 U	0.803 U	1.149 U
2-Chlorophenol		5.362 U	0.746 U	0.93 U	47.619 U	1.087 U	2.477 U	0.803 U	1.149 U
2-Methylphenol (o-Cresol)		1.3405 U	**0.1343 J**	**0.2093 J**	11.9048 U	**0.1902 J**	0.6258 U	**0.3414**	**0.1494 J**
2-Nitroaniline		26.542 U	3.657 U	4.651 U	235.714 U	5.326 U	12.386 U	4.016 U	5.632 U
2-Nitrophenol		5.362 U	0.746 U	0.93 U	47.619 U	1.087 U	2.477 U	0.803 U	1.149 U
3,3'-Dichlorobenzidine		26.542 UJ	3.657 UJ	4.651 UJ	**-- R**	5.326 UJ	12.386 UJ	**-- R**	**-- R**
3-Nitroaniline		26.542 UJ	3.657 UJ	4.651 UJ	235.714 UJ	5.326 UJ	12.386 UJ	4.016 UJ	5.632 UJ
4-Bromophenyl-phenyl ether		5.362 U	0.746 U	0.93 U	47.619 U	1.087 U	2.477 U	0.803 U	1.149 U
4-Chloro-3-methylphenol		26.542 U	3.657 U	4.651 U	235.714 U	5.326 U	12.386 U	4.016 U	5.632 U
4-Chloroaniline		26.542 UJ	3.657 UJ	4.651 UJ	**-- R**	5.326 UJ	12.386 UJ	**-- R**	**-- R**
4-Chlorophenyl phenyl ether		5.362 U	0.746 U	0.93 U	47.619 U	1.087 U	2.477 U	0.803 U	1.149 U
4-Methylphenol (p-Cresol)		1.3405 U	**0.597**	**0.977**	11.9048 U	**1.033**	**0.3259 J**	**1.165**	**0.747**
4-Nitroaniline		26.542 U	3.657 U	4.651 U	235.714 UJ	5.326 U	12.386 U	4.016 UJ	5.632 UJ
4-Nitrophenol		26.542 U	3.657 U	4.651 U	235.714 U	5.326 U	12.386 U	4.016 U	5.632 U
Benzoic acid		53.619 U	**6.716 J**	**7.907 J**	476.19 U	**5.272 J**	24.772 U	**15.663**	**4.425 J**
Benzyl alcohol		5.362 UJ	**3.731**	**3.953**	47.619 U	**3.859**	2.477 U	**-- R**	**-- R**
bis(2-Chloroethoxy)methane		5.362 U	0.746 U	0.93 U	47.619 U	1.087 U	2.477 U	0.803 U	1.149 U
bis(2-Chloroethyl)ether		5.362 U	0.746 U	0.93 U	47.619 U	1.087 U	2.477 U	0.803 U	1.149 U
bis(2-Ethylhexyl)phthalate	47	13.405 U	**10.821**	**10.698**	119.048 U	**3.804**	6.258 U	**7.631**	**18.966**
Butylbenzyl phthalate	4.9	1.3405 U	**2.612**	**1.86**	11.9048 U	**1.087**	**0.3259 J**	**1.165**	**2.759**
Diethyl phthalate	61	5.362 U	0.746 U	0.93 U	47.619 U	**1.467**	2.477 U	**2.53**	1.149 U
Dimethyl phthalate	53	1.3405 U	**0.1493 J**	0.2326 U	11.9048 U	0.2663 U	0.6258 U	**1.406**	**0.5402**
Di-n-butyl phthalate	220	5.362 U	**0.485 J**	**0.744 J**	47.619 U	**0.652 J**	2.477 U	0.803 U	1.149 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		53.619 U	7.463 U	9.302 U	476.19 U	10.87 U	24.772 U	8.032 U	11.494 U
Di-n-octyl phthalate	58	5.362 U	0.746 U	0.93 U	47.619 U	1.087 U	2.477 U	0.803 U	1.149 U
Hexachlorobenzene	0.38	0.25469 UJ	0.03582 UJ	0.04558 UJ	2.2619 UJ	0.0538 UJ	0.12777 UJ	0.03896 UJ	0.05517 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.25469 U	0.03582 U	0.04558 U	2.2619 U	0.0538 U	0.12777 U	0.03896 U	0.05517 U

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSIP2-SB-04_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312
		Depth	9.5 – 11.5 ft	0 – 2 ft	0 – 2 ft	10 – 12 ft	4 – 6 ft	6.7 – 8.7 ft	0 – 2 ft	2 – 4 ft
		Sample ID	DSIP2-SB-04-9.5-11.5	DSIP2-SB-05-0-2	DSIP2-SB-05-2-4	DSIP2-SB-05-10-12	DSIP2-SB-05-4-6	DSIP2-SB-05-6.7-8.7	DSIP2-SB-06-0-2	DSIP2-SB-06-2-4
		Sample Date	12/14/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/16/2013	12/16/2013
		Sample Type	N	N	N	N	N	N	N	N
		X	1268312.94	1268262.71	1268262.71	1268262.71	1268262.71	1268262.71	1268218.43	1268218.43
		Y	204461.82	204583.57	204583.57	204583.57	204583.57	204583.57	204716.63	204716.63
	Screening Level									
Hexachlorocyclopentadiene			26.542 UJ	3.657 U	4.651 U	235.714 UJ	5.326 U	12.386 U	4.016 UJ	5.632 UJ
Hexachloroethane			5.362 U	0.746 U	0.93 U	47.619 U	1.087 U	2.477 U	0.803 U	1.149 U
Isophorone			5.362 U	0.746 U	0.93 U	47.619 U	1.087 U	2.477 U	0.803 U	1.149 U
Nitrobenzene			5.362 U	0.746 U	0.93 U	47.619 U	1.087 U	2.477 U	0.803 U	1.149 U
n-Nitrosodimethylamine			--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine			5.362 U	0.746 U	0.93 U	47.619 U	1.087 U	2.477 U	0.803 U	1.149 U
n-Nitrosodiphenylamine	11		1.3405 U	0.1828 U	0.2326 U	11.9048 U	0.2663 U	0.6258 U	0.2008 U	0.2816 U
Pentachlorophenol			5.362 UJ	0.746 U	0.93 U	47.619 U	1.087 U	2.477 U	**1.124 J**	1.149 UJ
Phenol			2.681 U	**1.53**	**1.721**	17.1429 U	**0.815 J**	0.6258 U	**2.129**	1.149 UJ
Semivolatile Organics (µg/kg)										
1,2,4-Trichlorobenzene			5 U	4.9 U	5 U	5 U	4.9 U	4.8 U	5 U	4.9 U
1,2-Dichlorobenzene			--	--	**3.5 J**	--	--	--	--	--
1,3-Dichlorobenzene			1.2 U	1.7 U	1.7 U	1.1 U	1.5 U	1.3 U	1.7 U	1.6 U
1,4-Dichlorobenzene			--	**3.6 J**	**6**	--	**4.3 J**	--	**2.6 J**	**3.8 J**
2,2'-Oxybis (1-chloropropane)			20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U
2,3,4,6-Tetrachlorophenol			20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U
2,4,5-Trichlorophenol			99 U	98 U	100 U	99 U	98 U	95 U	100 U	98 U
2,4,6-Trichlorophenol			99 U	98 U	100 U	99 U	98 U	95 U	100 U	98 U
2,4-Dichlorophenol			99 U	98 U	100 U	99 U	98 U	95 U	100 U	98 U
2,4-Dimethylphenol	29		25 U	24 U	25 U	25 U	24 U	24 U	25 UJ	24 UJ
2,4-Dinitrophenol			200 UJ	200 U	200 U	200 U	200 U	190 U	200 U	200 U
2,4-Dinitrotoluene			99 U	98 U	100 U	99 U	98 U	95 U	100 U	98 U
2,6-Dinitrotoluene			99 U	98 U	100 U	99 U	98 U	95 U	100 U	98 U
2-Chloronaphthalene			20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U
2-Chlorophenol			20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U
2-Methylphenol (o-Cresol)	63		5 U	**3.6 J**	**4.5 J**	5 U	**3.5 J**	4.8 U	**8.5**	**2.6 J**
2-Nitroaniline			99 U	98 U	100 U	99 U	98 U	95 U	100 U	98 U
2-Nitrophenol			20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U
3,3'-Dichlorobenzidine			99 UJ	98 UJ	100 UJ	**-- R**	98 UJ	95 UJ	**-- R**	**-- R**
3-Nitroaniline			99 UJ	98 UJ	100 UJ	99 UJ	98 UJ	95 UJ	100 UJ	98 UJ
4-Bromophenyl-phenyl ether			20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U
4-Chloro-3-methylphenol			99 U	98 U	100 U	99 U	98 U	95 U	100 U	98 U
4-Chloroaniline			99 UJ	98 UJ	100 UJ	**-- R**	98 UJ	95 UJ	**-- R**	**-- R**
4-Chlorophenyl phenyl ether			20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U
4-Methylphenol (p-Cresol)	270		5 U	**16**	**21**	5 U	**19**	**2.5 J**	**29**	**13**
4-Nitroaniline			99 U	98 U	100 U	99 UJ	98 U	95 U	100 UJ	98 UJ
4-Nitrophenol			99 U	98 U	100 U	99 U	98 U	95 U	100 U	98 U
Benzoic acid	650		200 U	**180 J**	**170 J**	200 U	**97 J**	190 U	**390**	**77 J**
Benzyl alcohol	57		20 UJ	**100**	**85**	20 U	**71**	19 U	**-- R**	**-- R**
bis(2-Chloroethoxy)methane			20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U
bis(2-Chloroethyl)ether			20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSIP2-SB-04_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312
	Depth	9.5 – 11.5 ft	0 – 2 ft	0 – 2 ft	10 – 12 ft	4 – 6 ft	6.7 – 8.7 ft	0 – 2 ft	2 – 4 ft
	Sample ID	DSIP2-SB-04-9.5-11.5	DSIP2-SB-05-0-2	DSIP2-SB-05-2-4	DSIP2-SB-05-10-12	DSIP2-SB-05-4-6	DSIP2-SB-05-6.7-8.7	DSIP2-SB-06-0-2	DSIP2-SB-06-2-4
	Sample Date	12/14/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N	N
	X	1268312.94	1268262.71	1268262.71	1268262.71	1268262.71	1268262.71	1268218.43	1268218.43
	Y	204461.82	204583.57	204583.57	204583.57	204583.57	204583.57	204716.63	204716.63
	Screening Level								
bis(2-Ethylhexyl)phthalate		50 U	**290**	**230**	50 U	**70**	48 U	**190**	**330**
Butylbenzyl phthalate		5 U	**70**	**40**	5 U	**20**	**2.5 J**	**29**	**48**
Diethyl phthalate		20 U	20 U	20 U	20 U	**27**	19 U	**63**	20 U
Dimethyl phthalate		5 U	**4 J**	5 U	5 U	4.9 U	4.8 U	**35**	**9.4**
Di-n-butyl phthalate		20 U	**13 J**	**16 J**	20 U	**12 J**	19 U	20 U	20 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		200 U	200 U	200 U	200 U	200 U	190 U	200 U	200 U
Di-n-octyl phthalate		20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U
Hexachlorobenzene		--	--	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene		99 UJ	98 U	100 U	99 UJ	98 U	95 U	100 UJ	98 UJ
Hexachloroethane		20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U
Isophorone		20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U
Nitrobenzene		20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U
n-Nitrosodimethylamine		--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine		20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U
n-Nitrosodiphenylamine		5 U	4.9 U	5 U	5 U	4.9 U	4.8 U	5 U	4.9 U
Pentachlorophenol	360	20 UJ	20 U	20 U	20 U	20 U	19 U	**28 J**	20 UJ
Phenol	420	10 U	**41**	**37**	7.2 U	**15 J**	4.8 U	**53**	20 UJ

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-08_1312
	Depth	2 – 4 ft	5 – 7 ft	8 – 10 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft	9 – 11 ft	0 – 2 ft
	Sample ID	DSIP2-SB-56-2-4	DSIP2-SB-06-5-7	DSIP2-SB-06-8-10	DSIP2-SB-07-0-2	DSIP2-SB-07-2-4	DSIP2-SB-07-4.5-6.5	DSIP2-SB-07-7-9	DSIP2-SB-07-9-11	DSIP2-SB-08-0-2
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	FD	N	N	N	N	N	N	N	N
	X	1268218.43	1268218.43	1268218.43	1268157.39	1268157.39	1268157.39	1268157.39	1268157.39	1268132.63
	Y	204716.63	204716.63	204716.63	204828.25	204828.25	204828.25	204828.25	204828.25	204932.41
	Screening Level									
Semivolatile Organics (mg/kg-OC)										
1,2,4-Trichlorobenzene	0.81	0.2593 U	0.3333 U	1.0482 U	0.1928 U	0.2526 U	0.5739 U	1.9583 U	2.4615 U	0.1928 U
1,2-Dichlorobenzene	2.3	**0.1323 J**	0.0972 U	0.2725 U	0.0643 U	**0.1289 J**	0.1587 U	0.4583 U	0.6154 U	0.0602 U
1,3-Dichlorobenzene		0.0952 U	0.0972 U	0.2725 U	0.0643 U	0.0773 U	0.1587 U	0.4583 U	0.6154 U	0.0602 U
1,4-Dichlorobenzene	3.1	**0.2116 J**	**0.2222 J**	0.2725 U	**0.1325 J**	**0.3041**	0.1587 U	0.4583 U	0.6154 U	**0.1566 J**
2,2'-Oxybis (1-chloropropane)		1.058 U	1.319 U	4.193 U	0.763 U	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
2,3,4,6-Tetrachlorophenol		1.058 U	1.319 U	4.193 U	0.763 U	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
2,4,5-Trichlorophenol		5.238 U	6.667 U	20.755 U	3.855 U	5.052 U	11.477 U	39.583 U	48.718 U	3.815 U
2,4,6-Trichlorophenol		5.238 U	6.667 U	20.755 U	3.855 U	5.052 U	11.477 U	39.583 U	48.718 U	3.815 U
2,4-Dichlorophenol		5.238 U	6.667 U	20.755 U	3.855 U	5.052 U	11.477 U	39.583 U	48.718 U	3.815 U
2,4-Dimethylphenol		1.323 UJ	1.667 UJ	5.241 UJ	0.964 U	1.289 U	2.93 U	10 U	12.308 UJ	0.964 UJ
2,4-Dinitrophenol		10.582 U	13.194 U	41.929 U	7.631 UJ	10.309 UJ	23.199 UJ	79.167 UJ	97.436 U	7.631 U
2,4-Dinitrotoluene		5.238 U	6.667 U	20.755 U	3.855 U	5.052 U	11.477 U	39.583 U	48.718 U	3.815 U
2,6-Dinitrotoluene		5.238 U	6.667 U	20.755 U	3.855 U	5.052 U	11.477 U	39.583 U	48.718 U	3.815 U
2-Chloronaphthalene		1.058 U	1.319 U	4.193 U	0.763 U	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
2-Chlorophenol		1.058 U	1.319 U	4.193 U	0.763 U	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
2-Methylphenol (o-Cresol)		**0.1481 J**	**0.2083 J**	1.0482 U	**0.1165 J**	0.2526 U	0.5739 U	1.9583 U	2.4615 U	**0.1606 J**
2-Nitroaniline		5.238 U	6.667 U	20.755 U	3.855 U	5.052 U	11.477 U	39.583 U	48.718 U	3.815 U
2-Nitrophenol		1.058 U	1.319 U	4.193 U	0.763 U	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
3,3'-Dichlorobenzidine		**-- R**	**-- R**	**-- R**	3.855 UJ	5.052 UJ	11.477 UJ	39.583 UJ	48.718 UJ	3.815 UJ
3-Nitroaniline		5.238 UJ	6.667 UJ	20.755 UJ	3.855 UJ	5.052 UJ	11.477 UJ	39.583 UJ	48.718 UJ	3.815 UJ
4-Bromophenyl-phenyl ether		1.058 U	1.319 U	4.193 U	0.763 U	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
4-Chloro-3-methylphenol		5.238 U	6.667 U	20.755 U	3.855 U	5.052 U	11.477 U	39.583 U	48.718 U	3.815 U
4-Chloroaniline		**-- R**	**-- R**	**-- R**	3.855 UJ	5.052 UJ	11.477 UJ	39.583 UJ	**-- R**	**-- R**
4-Chlorophenyl phenyl ether		1.058 U	1.319 U	4.193 U	0.763 U	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
4-Methylphenol (p-Cresol)		**0.635**	**0.903**	**0.566 J**	**0.562**	**0.876**	**0.8303**	1.9583 U	2.4615 U	**0.522**
4-Nitroaniline		5.238 UJ	6.667 UJ	20.755 UJ	3.855 U	5.052 U	11.477 U	39.583 U	48.718 U	3.815 U
4-Nitrophenol		5.238 U	6.667 U	20.755 U	3.855 U	5.052 U	11.477 U	39.583 U	48.718 U	3.815 U
Benzoic acid		**4.074 J**	**4.722 J**	41.929 U	**6.827 J**	**3.299 J**	23.199 U	79.167 UJ	97.436 U	**8.835**
Benzyl alcohol		**-- R**	**-- R**	**-- R**	0.763 UJ	1.031 UJ	2.32 UJ	**-- R**	9.744 U	**4.819**
bis(2-Chloroethoxy)methane		1.058 U	1.319 U	4.193 U	0.763 U	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
bis(2-Chloroethyl)ether		1.058 U	1.319 U	4.193 U	0.763 U	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
bis(2-Ethylhexyl)phthalate	47	**17.46**	**6.944**	10.482 U	**22.088 J**	**27.835 J**	**18.315 J**	19.583 U	24.615 U	**11.245**
Butylbenzyl phthalate	4.9	**1.746**	0.3333 U	1.0482 U	**2.892 J**	**3.814 J**	**1.709 J**	1.9583 U	2.4615 U	**1.486**
Diethyl phthalate	61	**2.381**	1.319 U	**4.822**	0.763 U	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
Dimethyl phthalate	53	**0.4392**	0.3333 U	1.0482 U	**0.3293**	**0.2474 J**	0.5739 U	1.9583 U	2.4615 U	**0.2369**
Di-n-butyl phthalate	220	1.058 U	1.319 U	4.193 U	**1.807**	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		10.582 U	13.194 U	41.929 U	7.631 U	10.309 U	23.199 U	79.167 U	97.436 U	7.631 U
Di-n-octyl phthalate	58	1.058 U	1.319 U	4.193 U	0.763 U	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
Hexachlorobenzene	0.38	0.05185 UJ	0.3333 U	0.19916 UJ	0.0402 UJ	0.0928 UJ	0.11844 UJ	0.4 UJ	0.50256 UJ	0.03936 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.05185 U	0.06667 U	0.19916 U	0.0402 U	0.04948 U	0.11844 U	0.4 U	0.50256 U	0.03936 U

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-08_1312
		Depth	2 – 4 ft	5 – 7 ft	8 – 10 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft	9 – 11 ft	0 – 2 ft
		Sample ID	DSIP2-SB-56-2-4	DSIP2-SB-06-5-7	DSIP2-SB-06-8-10	DSIP2-SB-07-0-2	DSIP2-SB-07-2-4	DSIP2-SB-07-4.5-6.5	DSIP2-SB-07-7-9	DSIP2-SB-07-9-11	DSIP2-SB-08-0-2
		Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
		Sample Type	FD	N	N	N	N	N	N	N	N
		X	1268218.43	1268218.43	1268218.43	1268157.39	1268157.39	1268157.39	1268157.39	1268157.39	1268132.63
		Y	204716.63	204716.63	204716.63	204828.25	204828.25	204828.25	204828.25	204828.25	204932.41
	Screening Level										
Hexachlorocyclopentadiene			5.238 UJ	6.667 UJ	20.755 UJ	3.855 UJ	5.052 UJ	11.477 UJ	39.583 UJ	48.718 U	3.815 U
Hexachloroethane			1.058 U	1.319 U	4.193 U	0.763 U	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
Isophorone			1.058 U	1.319 U	4.193 U	0.763 U	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
Nitrobenzene			1.058 U	1.319 U	4.193 U	0.763 U	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
n-Nitrosodimethylamine			--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine			1.058 U	1.319 U	4.193 U	0.763 U	1.031 U	2.32 U	7.917 U	9.744 U	0.763 U
n-Nitrosodiphenylamine	11		0.2593 U	0.3333 U	1.0482 U	0.1928 U	0.2526 U	0.5739 U	1.9583 U	2.4615 U	0.1928 U
Pentachlorophenol			1.058 UJ	1.319 UJ	4.193 UJ	0.763 UJ	1.031 UJ	2.32 UJ	7.917 UJ	9.744 U	0.763 U
Phenol			**1.058 J**	**1.181 J**	1.8658 U	**1.205**	**1.237**	1.465 U	4.167 U	4.4103 U	**1.406**
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene			4.9 U	4.8 U	5 U	4.8 U	4.9 U	4.7 U	4.7 U	4.8 U	4.8 U
1,2-Dichlorobenzene			**2.5 J**	--	--	--	**2.5 J**	--	--	--	--
1,3-Dichlorobenzene			1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U	1.2 U	1.5 U
1,4-Dichlorobenzene			**4 J**	**3.2 J**	--	**3.3 J**	**5.9**	--	--	--	**3.9 J**
2,2'-Oxybis (1-chloropropane)			20 U	19 U	20 U	19 U	20 U	19 U	19 U	19 U	19 U
2,3,4,6-Tetrachlorophenol			20 U	19 U	20 U	19 U	20 U	19 U	19 U	19 U	19 U
2,4,5-Trichlorophenol			99 U	96 U	99 U	96 U	98 U	94 U	95 U	95 U	95 U
2,4,6-Trichlorophenol			99 U	96 U	99 U	96 U	98 U	94 U	95 U	95 U	95 U
2,4-Dichlorophenol			99 U	96 U	99 U	96 U	98 U	94 U	95 U	95 U	95 U
2,4-Dimethylphenol	29		25 UJ	24 UJ	25 UJ	24 U	25 U	24 U	24 U	24 UJ	24 UJ
2,4-Dinitrophenol			200 U	190 U	200 U	190 UJ	200 UJ	190 UJ	190 UJ	190 U	190 U
2,4-Dinitrotoluene			99 U	96 U	99 U	96 U	98 U	94 U	95 U	95 U	95 U
2,6-Dinitrotoluene			99 U	96 U	99 U	96 U	98 U	94 U	95 U	95 U	95 U
2-Chloronaphthalene			20 U	19 U	20 U	19 U	20 U	19 U	19 U	19 U	19 U
2-Chlorophenol			20 U	19 U	20 U	19 U	20 U	19 U	19 U	19 U	19 U
2-Methylphenol (o-Cresol)	63		**2.8 J**	**3 J**	5 U	**2.9 J**	4.9 U	4.7 U	4.7 U	4.8 U	**4 J**
2-Nitroaniline			99 U	96 U	99 U	96 U	98 U	94 U	95 U	95 U	95 U
2-Nitrophenol			20 U	19 U	20 U	19 U	20 U	19 U	19 U	19 U	19 U
3,3'-Dichlorobenzidine			**-- R**	**-- R**	**-- R**	96 UJ	98 UJ	94 UJ	95 UJ	95 UJ	95 UJ
3-Nitroaniline			99 UJ	96 UJ	99 UJ	96 UJ	98 UJ	94 UJ	95 UJ	95 UJ	95 UJ
4-Bromophenyl-phenyl ether			20 U	19 U	20 U	19 U	20 U	19 U	19 U	19 U	19 U
4-Chloro-3-methylphenol			99 U	96 U	99 U	96 U	98 U	94 U	95 U	95 U	95 U
4-Chloroaniline			**-- R**	**-- R**	**-- R**	96 UJ	98 UJ	94 UJ	95 UJ	**-- R**	**-- R**
4-Chlorophenyl phenyl ether			20 U	19 U	20 U	19 U	20 U	19 U	19 U	19 U	19 U
4-Methylphenol (p-Cresol)	270		**12**	**13**	**2.7 J**	**14**	**17**	**6.8**	4.7 U	4.8 U	**13**
4-Nitroaniline			99 UJ	96 UJ	99 UJ	96 U	98 U	94 U	95 U	95 U	95 U
4-Nitrophenol			99 U	96 U	99 U	96 U	98 U	94 U	95 U	95 U	95 U
Benzoic acid	650		**77 J**	**68 J**	200 U	**170 J**	**64 J**	190 U	190 UJ	190 U	**220**
Benzyl alcohol	57		**-- R**	**-- R**	**-- R**	19 UJ	20 UJ	19 UJ	**-- R**	19 U	**120**
bis(2-Chloroethoxy)methane			20 U	19 U	20 U	19 U	20 U	19 U	19 U	19 U	19 U
bis(2-Chloroethyl)ether			20 U	19 U	20 U	19 U	20 U	19 U	19 U	19 U	19 U

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-08_1312
	Depth	2 – 4 ft	5 – 7 ft	8 – 10 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft	9 – 11 ft	0 – 2 ft
	Sample ID	DSIP2-SB-56-2-4	DSIP2-SB-06-5-7	DSIP2-SB-06-8-10	DSIP2-SB-07-0-2	DSIP2-SB-07-2-4	DSIP2-SB-07-4.5-6.5	DSIP2-SB-07-7-9	DSIP2-SB-07-9-11	DSIP2-SB-08-0-2
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	FD	N	N	N	N	N	N	N	N
	X	1268218.43	1268218.43	1268218.43	1268157.39	1268157.39	1268157.39	1268157.39	1268157.39	1268132.63
	Y	204716.63	204716.63	204716.63	204828.25	204828.25	204828.25	204828.25	204828.25	204932.41
	Screening Level									
bis(2-Ethylhexyl)phthalate		**330**	**100**	50 U	**550 J**	**540 J**	**150 J**	47 U	48 U	**280**
Butylbenzyl phthalate		**33**	4.8 U	5 U	**72 J**	**74 J**	**14 J**	4.7 U	4.8 U	**37**
Diethyl phthalate		**45**	19 U	**23**	19 U	20 U	19 U	19 U	19 U	19 U
Dimethyl phthalate		**8.3**	4.8 U	5 U	**8.2**	**4.8 J**	4.7 U	4.7 U	4.8 U	**5.9**
Di-n-butyl phthalate		20 U	19 U	20 U	**45**	20 U	19 U	19 U	19 U	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		200 U	190 U	200 U	190 U	200 U	190 U	190 U	190 U	190 U
Di-n-octyl phthalate		20 U	19 U	20 U	19 U	20 U	19 U	19 U	19 U	19 U
Hexachlorobenzene		--	4.8 U	--	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene		99 UJ	96 UJ	99 UJ	96 UJ	98 UJ	94 UJ	95 UJ	95 U	95 U
Hexachloroethane		20 U	19 U	20 U	19 U	20 U	19 U	19 U	19 U	19 U
Isophorone		20 U	19 U	20 U	19 U	20 U	19 U	19 U	19 U	19 U
Nitrobenzene		20 U	19 U	20 U	19 U	20 U	19 U	19 U	19 U	19 U
n-Nitrosodimethylamine		--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine		20 U	19 U	20 U	19 U	20 U	19 U	19 U	19 U	19 U
n-Nitrosodiphenylamine		4.9 U	4.8 U	5 U	4.8 U	4.9 U	4.7 U	4.7 U	4.8 U	4.8 U
Pentachlorophenol	360	20 UJ	19 UJ	20 UJ	19 UJ	20 UJ	19 UJ	19 UJ	19 U	19 U
Phenol	420	**20 J**	**17 J**	8.9 U	**30**	**24**	12 U	10 U	8.6 U	**35**

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312
		Depth	2.5 – 4.5 ft	4.5 – 6.5 ft	6.5 – 8.5 ft	8.5 – 10.4 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft
		Sample ID	DSIP2-SB-08-2.5-4.5	DSIP2-SB-08-4.5-6.5	DSIP2-SB-08-6.5-8.5	DSIP2-SB-08-8.5-10.4	DSIP2-SB-09-0-2	DSIP2-SB-09-2-4	DSIP2-SB-09-4-6	DSIP2-SB-09-6-8
		Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
		Sample Type	N	N	N	N	N	N	N	N
		X	1268132.63	1268132.63	1268132.63	1268132.63	1268064.60	1268064.60	1268064.60	1268064.60
		Y	204932.41	204932.41	204932.41	204932.41	205002.51	205002.51	205002.51	205002.51
	Screening Level									
Semivolatile Organics (mg/kg-OC)										
1,2,4-Trichlorobenzene	0.81	0.266 U	0.2178 U	0.2901 U	0.3092 U	0.2094 U	0.3203 U	0.3221 U	0.1928 U
1,2-Dichlorobenzene	2.3	0.0957 U	**0.1822 J**	0.1049 U	0.0987 U	0.0769 U	0.1176 U	**0.2886 J**	0.0683 U
1,3-Dichlorobenzene		0.0957 U	0.0667 U	0.1049 U	0.0987 U	0.0769 U	0.1176 U	0.1141 U	0.0683 U
1,4-Dichlorobenzene	3.1	**0.1915 J**	**0.32**	**0.3827**	0.0987 U	**0.1581 J**	**0.3137 J**	**0.396**	**0.1847 J**
2,2'-Oxybis (1-chloropropane)		1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
2,3,4,6-Tetrachlorophenol		1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
2,4,5-Trichlorophenol		5.266 U	4.311 U	5.864 U	6.184 U	4.145 U	6.405 U	6.51 U	3.896 U
2,4,6-Trichlorophenol		5.266 U	4.311 U	5.864 U	6.184 U	4.145 U	6.405 U	6.51 U	3.896 U
2,4-Dichlorophenol		5.266 U	4.311 U	5.864 U	6.184 U	4.145 U	6.405 U	6.51 U	3.896 U
2,4-Dimethylphenol		1.33 UJ	1.067 UJ	1.481 UJ	1.513 UJ	1.026 UJ	1.569 UJ	1.611 UJ	0.964 UJ
2,4-Dinitrophenol		10.638 U	8.889 U	11.728 U	12.5 U	8.547 U	13.072 U	12.752 U	7.631 U
2,4-Dinitrotoluene		5.266 U	4.311 U	5.864 U	6.184 U	4.145 U	6.405 U	6.51 U	3.896 U
2,6-Dinitrotoluene		5.266 U	4.311 U	5.864 U	6.184 U	4.145 U	6.405 U	6.51 U	3.896 U
2-Chloronaphthalene		1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
2-Chlorophenol		1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
2-Methylphenol (o-Cresol)		**0.1489 J**	**0.1333 J**	**0.284 J**	**0.1842 J**	**0.1966 J**	**0.2157 J**	**0.2483 J**	**0.1767 J**
2-Nitroaniline		5.266 U	4.311 U	5.864 U	6.184 U	4.145 U	6.405 U	6.51 U	3.896 U
2-Nitrophenol		1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
3,3'-Dichlorobenzidine		5.266 UJ	4.311 UJ	5.864 UJ	6.184 UJ	4.145 UJ	6.405 UJ	6.51 UJ	3.896 UJ
3-Nitroaniline		5.266 UJ	4.311 UJ	5.864 UJ	6.184 UJ	4.145 UJ	6.405 UJ	6.51 UJ	3.896 UJ
4-Bromophenyl-phenyl ether		1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
4-Chloro-3-methylphenol		5.266 U	4.311 U	5.864 U	6.184 U	4.145 U	6.405 U	6.51 U	3.896 U
4-Chloroaniline		**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
4-Chlorophenyl phenyl ether		1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
4-Methylphenol (p-Cresol)		**0.638**	**0.8**	**1.42**	**0.658**	**0.598**	**0.719**	**1.074**	**0.763**
4-Nitroaniline		5.266 U	4.311 U	5.864 U	6.184 U	4.145 U	6.405 U	6.51 U	3.896 U
4-Nitrophenol		5.266 U	4.311 U	5.864 U	6.184 U	4.145 U	6.405 U	6.51 U	3.896 U
Benzoic acid		**5.319 J**	8.889 U	11.728 U	12.5 U	**3.761 J**	**4.837 J**	12.752 U	7.631 U
Benzyl alcohol		**2.128**	**1.511**	**2.531**	**4.671**	**4.701**	**2.157**	**2.349**	**2.892**
bis(2-Chloroethoxy)methane		1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
bis(2-Chloroethyl)ether		1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
bis(2-Ethylhexyl)phthalate	47	**20.213**	**30.667**	**5.062**	3.092 U	**13.675**	**33.333**	**26.846**	**6.024**
Butylbenzyl phthalate	4.9	**1.968**	**1.111**	**0.5494**	**0.1842 J**	**1.368**	**1.503**	**2.282**	**0.763**
Diethyl phthalate	61	1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
Dimethyl phthalate	53	**0.4521**	0.2178 U	0.2901 U	0.3092 U	**0.188 J**	**1.046 J**	**0.3221**	0.1928 U
Di-n-butyl phthalate	220	1.064 U	**3.111**	**1.481**	1.25 U	**0.47 J**	**0.85 J**	**0.805 J**	**0.482 J**
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		10.638 U	8.889 U	11.728 U	12.5 U	8.547 U	13.072 U	12.752 U	7.631 U
Di-n-octyl phthalate	58	1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
Hexachlorobenzene	0.38	0.1117 UJ	0.1067 UJ	0.1296 UJ	0.06513 UJ	0.0641 UJ	0.1176 UJ	0.2215 UJ	0.1245 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.05213 U	0.044 U	0.05988 U	0.06513 U	0.04103 U	0.0634 U	0.06644 U	0.03976 U

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312
		Depth	2.5 – 4.5 ft	4.5 – 6.5 ft	6.5 – 8.5 ft	8.5 – 10.4 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft
		Sample ID	DSIP2-SB-08-2.5-4.5	DSIP2-SB-08-4.5-6.5	DSIP2-SB-08-6.5-8.5	DSIP2-SB-08-8.5-10.4	DSIP2-SB-09-0-2	DSIP2-SB-09-2-4	DSIP2-SB-09-4-6	DSIP2-SB-09-6-8
		Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
		Sample Type	N	N	N	N	N	N	N	N
		X	1268132.63	1268132.63	1268132.63	1268132.63	1268064.60	1268064.60	1268064.60	1268064.60
		Y	204932.41	204932.41	204932.41	204932.41	205002.51	205002.51	205002.51	205002.51
	Screening Level									
Hexachlorocyclopentadiene			5.266 U	4.311 U	5.864 U	6.184 U	4.145 U	6.405 U	6.51 U	3.896 U
Hexachloroethane			1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
Isophorone			1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
Nitrobenzene			1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
n-Nitrosodimethylamine			--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine			1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
n-Nitrosodiphenylamine	11		0.266 U	0.2178 U	0.2901 U	0.3092 U	0.2094 U	0.3203 U	0.3221 U	0.1928 U
Pentachlorophenol			1.064 U	0.889 U	1.173 U	1.25 U	0.855 U	1.307 U	1.275 U	0.763 U
Phenol			**2.979**	**1.778**	**2.963**	**1.908**	**1.41**	**2.092**	**3.087**	**1.406**
Semivolatile Organics (µg/kg)										
1,2,4-Trichlorobenzene			5 U	4.9 U	4.7 U	4.7 U	4.9 U	4.9 U	4.8 U	4.8 U
1,2-Dichlorobenzene			--	**4.1 J**	--	--	--	--	**4.3 J**	--
1,3-Dichlorobenzene			1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,4-Dichlorobenzene			**3.6 J**	**7.2**	**6.2**	--	**3.7 J**	**4.8 J**	**5.9**	**4.6 J**
2,2'-Oxybis (1-chloropropane)			20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U
2,3,4,6-Tetrachlorophenol			20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U
2,4,5-Trichlorophenol			99 U	97 U	95 U	94 U	97 U	98 U	97 U	97 U
2,4,6-Trichlorophenol			99 U	97 U	95 U	94 U	97 U	98 U	97 U	97 U
2,4-Dichlorophenol			99 U	97 U	95 U	94 U	97 U	98 U	97 U	97 U
2,4-Dimethylphenol	29		25 UJ	24 UJ	24 UJ	23 UJ	24 UJ	24 UJ	24 UJ	24 UJ
2,4-Dinitrophenol			200 U	200 U	190 U	190 U	200 U	200 U	190 U	190 U
2,4-Dinitrotoluene			99 U	97 U	95 U	94 U	97 U	98 U	97 U	97 U
2,6-Dinitrotoluene			99 U	97 U	95 U	94 U	97 U	98 U	97 U	97 U
2-Chloronaphthalene			20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U
2-Chlorophenol			20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U
2-Methylphenol (o-Cresol)	63		**2.8 J**	**3 J**	**4.6 J**	**2.8 J**	**4.6 J**	**3.3 J**	**3.7 J**	**4.4 J**
2-Nitroaniline			99 U	97 U	95 U	94 U	97 U	98 U	97 U	97 U
2-Nitrophenol			20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U
3,3'-Dichlorobenzidine			99 UJ	97 UJ	95 UJ	94 UJ	97 UJ	98 UJ	97 UJ	97 UJ
3-Nitroaniline			99 UJ	97 UJ	95 UJ	94 UJ	97 UJ	98 UJ	97 UJ	97 UJ
4-Bromophenyl-phenyl ether			20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U
4-Chloro-3-methylphenol			99 U	97 U	95 U	94 U	97 U	98 U	97 U	97 U
4-Chloroaniline			**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
4-Chlorophenyl phenyl ether			20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U
4-Methylphenol (p-Cresol)	270		**12**	**18**	**23**	**10**	**14**	**11**	**16**	**19**
4-Nitroaniline			99 U	97 U	95 U	94 U	97 U	98 U	97 U	97 U
4-Nitrophenol			99 U	97 U	95 U	94 U	97 U	98 U	97 U	97 U
Benzoic acid	650		**100 J**	200 U	190 U	190 U	**88 J**	**74 J**	190 U	190 U
Benzyl alcohol	57		**40**	**34**	**41**	**71**	**110**	**33**	**35**	**72**
bis(2-Chloroethoxy)methane			20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U
bis(2-Chloroethyl)ether			20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312
		Depth	2.5 – 4.5 ft	4.5 – 6.5 ft	6.5 – 8.5 ft	8.5 – 10.4 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft
		Sample ID	DSIP2-SB-08-2.5-4.5	DSIP2-SB-08-4.5-6.5	DSIP2-SB-08-6.5-8.5	DSIP2-SB-08-8.5-10.4	DSIP2-SB-09-0-2	DSIP2-SB-09-2-4	DSIP2-SB-09-4-6	DSIP2-SB-09-6-8
		Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
		Sample Type	N	N	N	N	N	N	N	N
		X	1268132.63	1268132.63	1268132.63	1268132.63	1268064.60	1268064.60	1268064.60	1268064.60
		Y	204932.41	204932.41	204932.41	204932.41	205002.51	205002.51	205002.51	205002.51
	Screening Level									
bis(2-Ethylhexyl)phthalate		**380**	**690**	**82**	47 U	**320**	**510**	**400**	**150**
Butylbenzyl phthalate		**37**	**25**	**8.9**	**2.8 J**	**32**	**23**	**34**	**19**
Diethyl phthalate		20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U
Dimethyl phthalate		**8.5**	4.9 U	4.7 U	4.7 U	**4.4 J**	**16 J**	**4.8**	4.8 U
Di-n-butyl phthalate		20 U	**70**	**24**	19 U	**11 J**	**13 J**	**12 J**	**12 J**
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		200 U	200 U	190 U	190 U	200 U	200 U	190 U	190 U
Di-n-octyl phthalate		20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U
Hexachlorobenzene		--	--	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene		99 U	97 U	95 U	94 U	97 U	98 U	97 U	97 U
Hexachloroethane		20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U
Isophorone		20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U
Nitrobenzene		20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U
n-Nitrosodimethylamine		--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine		20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U
n-Nitrosodiphenylamine		5 U	4.9 U	4.7 U	4.7 U	4.9 U	4.9 U	4.8 U	4.8 U
Pentachlorophenol	360	20 U	20 U	19 U	19 U	20 U	20 U	19 U	19 U
Phenol	420	**56**	**40**	**48**	**29**	**33**	**32**	**46**	**35**

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSIP2-SB-09_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312
	Depth	8.3 – 10.3 ft	0.5 – 2.5 ft	11.3 – 12.9 ft	2.5 – 4.5 ft	6 – 8 ft	9 – 11 ft	0 – 2 ft	10 – 12 ft
	Sample ID	DSIP2-SB-09-8.3-10.3	DSIP2-SB-10-0.5-2.5	DSIP2-SB-10-11.3-12.9	DSIP2-SB-10-2.5-4.5	DSIP2-SB-10-6-8	DSIP2-SB-10-9-11	DSIP2-SB-11-0-2	DSIP2-SB-11-10-12
	Sample Date	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N	N
	X	1268064.60	1268039.90	1268039.90	1268039.90	1268039.90	1268039.90	1267949.10	1267949.10
	Y	205002.51	205120.11	205120.11	205120.11	205120.11	205120.11	205009.33	205009.33
	Screening Level								
Semivolatile Organics (mg/kg-OC)									
1,2,4-Trichlorobenzene	0.81	0.3158 U	0.25 U	1.1933 U	0.3182 U	0.1908 U	0.3158 U	0.2727 U	0.4906 U
1,2-Dichlorobenzene	2.3	0.0921 U	**0.1786 J**	0.2625 U	**0.1623 J**	**0.1069 J**	0.0921 U	**0.358**	0.1357 U
1,3-Dichlorobenzene		0.0921 U	0.0816 U	0.2625 U	0.1169 U	0.0573 U	0.0921 U	0.108 U	0.1357 U
1,4-Dichlorobenzene	3.1	0.0921 U	**0.25**	0.2625 U	**0.1883 J**	**0.271**	0.0921 U	**0.2784**	0.1357 U
2,2'-Oxybis (1-chloropropane)		1.25 U	1.02 U	4.773 U	1.299 U	0.763 U	1.25 U	1.08 U	1.983 U
2,3,4,6-Tetrachlorophenol		1.25 U	1.02 U	4.773 U	1.299 U	0.763 U	1.25 U	1.08 U	1.983 U
2,4,5-Trichlorophenol		6.316 U	5 U	23.628 U	6.364 U	3.779 U	6.382 U	5.455 U	9.812 U
2,4,6-Trichlorophenol		6.316 U	5 U	23.628 U	6.364 U	3.779 U	6.382 U	5.455 U	9.812 U
2,4-Dichlorophenol		6.316 U	5 U	23.628 U	6.364 U	3.779 U	6.382 U	5.455 U	9.812 U
2,4-Dimethylphenol		1.579 UJ	1.276 UJ	5.967 UJ	1.558 UJ	**0.687 J**	1.579 UJ	1.364 UJ	2.505 UJ
2,4-Dinitrophenol		12.5 U	10.204 U	47.733 U	12.987 U	7.634 U	12.5 U	10.795 U	19.833 U
2,4-Dinitrotoluene		6.316 U	5 U	23.628 U	6.364 U	3.779 U	6.382 U	5.455 U	9.812 U
2,6-Dinitrotoluene		6.316 U	5 U	23.628 U	6.364 U	3.779 U	6.382 U	5.455 U	9.812 U
2-Chloronaphthalene		1.25 U	1.02 U	4.773 U	1.299 U	0.763 U	1.25 U	1.08 U	1.983 U
2-Chlorophenol		1.25 U	1.02 U	4.773 UJ	1.299 U	0.763 U	1.25 U	1.08 U	1.983 U
2-Methylphenol (o-Cresol)		**0.1908 J**	**0.3265**	1.1933 U	**0.1753 J**	**0.496**	0.3158 U	**0.2727**	0.4906 U
2-Nitroaniline		6.316 U	5 U	23.628 U	6.364 U	3.779 U	6.382 U	5.455 U	9.812 U
2-Nitrophenol		1.25 U	1.02 U	4.773 U	1.299 U	0.763 U	1.25 U	1.08 U	1.983 U
3,3'-Dichlorobenzidine		6.316 UJ	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	5.455 UJ	**-- R**
3-Nitroaniline		6.316 UJ	5 UJ	23.628 UJ	6.364 UJ	3.779 UJ	6.382 UJ	5.455 UJ	9.812 UJ
4-Bromophenyl-phenyl ether		1.25 U	1.02 U	4.773 U	1.299 U	0.763 U	1.25 U	1.08 U	1.983 U
4-Chloro-3-methylphenol		6.316 U	5 U	23.628 U	6.364 U	3.779 U	6.382 U	5.455 U	9.812 U
4-Chloroaniline		**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
4-Chlorophenyl phenyl ether		1.25 U	1.02 U	4.773 U	1.299 U	0.763 U	1.25 U	1.08 U	1.983 U
4-Methylphenol (p-Cresol)		**0.5526**	**1.633**	1.1933 U	**0.909**	**2.595**	**0.789**	**1.136**	0.4906 U
4-Nitroaniline		6.316 U	5 UJ	23.628 UJ	6.364 UJ	3.779 UJ	6.382 UJ	5.455 U	9.812 UJ
4-Nitrophenol		6.316 U	5 U	23.628 U	6.364 U	3.779 U	6.382 U	5.455 U	9.812 U
Benzoic acid		12.5 U	**12.245**	47.733 U	**4.74 J**	**8.397**	**6.184 J**	10.795 U	19.833 U
Benzyl alcohol		**2.632**	**-- R**	**-- R**	**-- R**	**3.092 J**	**-- R**	**3.295**	1.983 UJ
bis(2-Chloroethoxy)methane		1.25 U	1.02 U	4.773 U	1.299 U	0.763 U	1.25 U	1.08 U	1.983 U
bis(2-Chloroethyl)ether		1.25 U	1.02 U	4.773 U	1.299 U	0.763 U	1.25 U	1.08 U	1.983 U
bis(2-Ethylhexyl)phthalate	47	3.158 U	**16.327**	11.933 U	**11.688**	**4.198**	3.158 U	**40.909**	4.906 U
Butylbenzyl phthalate	4.9	0.3158 U	**2.806 J**	**1.2411**	**1.494**	0.1908 U	0.3158 U	**1.648**	0.4906 U
Diethyl phthalate	61	1.25 U	1.02 U	4.773 U	1.299 U	0.763 U	1.25 U	1.08 U	1.983 U
Dimethyl phthalate	53	0.3158 U	**0.4898**	1.1933 U	0.3182 U	0.1908 U	0.3158 U	**0.4886**	0.4906 U
Di-n-butyl phthalate	220	1.25 U	1.02 U	4.773 U	1.299 U	0.763 U	1.25 U	**0.682 J**	1.983 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		12.5 U	10.204 U	47.733 U	12.987 U	7.634 U	12.5 U	10.795 U	19.833 U
Di-n-octyl phthalate	58	1.25 U	1.02 U	4.773 U	1.299 U	0.763 U	1.25 U	1.08 U	1.983 U
Hexachlorobenzene	0.38	0.06316 UJ	0.0816 UJ	0.22673 UJ	0.1364 UJ	0.0954 UJ	0.06382 UJ	0.1136 UJ	0.10125 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.06316 U	0.04847 U	0.22673 U	0.06299 U	0.03664 U	0.06382 U	0.1136 U	0.10125 U

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSIP2-SB-09_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312
		Depth	8.3 – 10.3 ft	0.5 – 2.5 ft	11.3 – 12.9 ft	2.5 – 4.5 ft	6 – 8 ft	9 – 11 ft	0 – 2 ft	10 – 12 ft
		Sample ID	DSIP2-SB-09-8.3-10.3	DSIP2-SB-10-0.5-2.5	DSIP2-SB-10-11.3-12.9	DSIP2-SB-10-2.5-4.5	DSIP2-SB-10-6-8	DSIP2-SB-10-9-11	DSIP2-SB-11-0-2	DSIP2-SB-11-10-12
		Sample Date	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/16/2013	12/16/2013
		Sample Type	N	N	N	N	N	N	N	N
		X	1268064.60	1268039.90	1268039.90	1268039.90	1268039.90	1268039.90	1267949.10	1267949.10
		Y	205002.51	205120.11	205120.11	205120.11	205120.11	205120.11	205009.33	205009.33
	Screening Level									
Hexachlorocyclopentadiene			6.316 U	5 UJ	23.628 UJ	6.364 UJ	3.779 UJ	6.382 UJ	5.455 U	9.812 UJ
Hexachloroethane			1.25 U	1.02 U	4.773 U	1.299 U	0.763 U	1.25 U	1.08 U	1.983 U
Isophorone			1.25 U	1.02 U	4.773 U	1.299 U	0.763 U	1.25 U	1.08 U	1.983 U
Nitrobenzene			1.25 U	1.02 U	4.773 U	1.299 U	0.763 U	1.25 U	1.08 U	1.983 U
n-Nitrosodimethylamine			--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine			1.25 U	1.02 U	4.773 U	1.299 U	0.763 U	1.25 U	1.08 U	1.983 U
n-Nitrosodiphenylamine	11		0.3158 U	0.25 U	1.1933 U	0.3182 U	0.1908 U	0.3158 U	0.2727 U	0.4906 U
Pentachlorophenol			1.25 U	**1.02 J**	4.773 UJ	1.299 UJ	0.763 UJ	1.25 UJ	1.08 U	1.983 U
Phenol			**1.053 J**	**2.041**	2.0048 U	**1.234 J**	**2.824**	**0.921 J**	2.102 U	0.9186 U
Semivolatile Organics (µg/kg)										
1,2,4-Trichlorobenzene			4.8 U	4.9 U	5 U	4.9 U	5 U	4.8 U	4.8 U	4.7 U
1,2-Dichlorobenzene			--	**3.5 J**	--	**2.5 J**	**2.8 J**	--	**6.3**	--
1,3-Dichlorobenzene			1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U
1,4-Dichlorobenzene			--	**4.9**	--	**2.9 J**	**7.1**	--	**4.9**	--
2,2'-Oxybis (1-chloropropane)			19 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U
2,3,4,6-Tetrachlorophenol			19 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U
2,4,5-Trichlorophenol			96 U	98 U	99 U	98 U	99 U	97 U	96 U	94 U
2,4,6-Trichlorophenol			96 U	98 U	99 U	98 U	99 U	97 U	96 U	94 U
2,4-Dichlorophenol			96 U	98 U	99 U	98 U	99 U	97 U	96 U	94 U
2,4-Dimethylphenol	29		24 UJ	25 UJ	25 UJ	24 UJ	**18 J**	24 UJ	24 UJ	24 UJ
2,4-Dinitrophenol			190 U	200 U	200 U	200 U	200 U	190 U	190 U	190 U
2,4-Dinitrotoluene			96 U	98 U	99 U	98 U	99 U	97 U	96 U	94 U
2,6-Dinitrotoluene			96 U	98 U	99 U	98 U	99 U	97 U	96 U	94 U
2-Chloronaphthalene			19 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U
2-Chlorophenol			19 U	20 U	20 UJ	20 U	20 U	19 U	19 U	19 U
2-Methylphenol (o-Cresol)	63		**2.9 J**	**6.4**	5 U	**2.7 J**	**13**	4.8 U	**4.8**	4.7 U
2-Nitroaniline			96 U	98 U	99 U	98 U	99 U	97 U	96 U	94 U
2-Nitrophenol			19 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U
3,3'-Dichlorobenzidine			96 UJ	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	96 UJ	**-- R**
3-Nitroaniline			96 UJ	98 UJ	99 UJ	98 UJ	99 UJ	97 UJ	96 UJ	94 UJ
4-Bromophenyl-phenyl ether			19 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U
4-Chloro-3-methylphenol			96 U	98 U	99 U	98 U	99 U	97 U	96 U	94 U
4-Chloroaniline			**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
4-Chlorophenyl phenyl ether			19 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U
4-Methylphenol (p-Cresol)	270		**8.4**	**32**	5 U	**14**	**68**	**12**	**20**	4.7 U
4-Nitroaniline			96 U	98 UJ	99 UJ	98 UJ	99 UJ	97 UJ	96 U	94 UJ
4-Nitrophenol			96 U	98 U	99 U	98 U	99 U	97 U	96 U	94 U
Benzoic acid	650		190 U	**240**	200 U	**73 J**	**220**	**94 J**	190 U	190 U
Benzyl alcohol	57		**40**	**-- R**	**-- R**	**-- R**	**81 J**	**-- R**	**58**	19 UJ
bis(2-Chloroethoxy)methane			19 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U
bis(2-Chloroethyl)ether			19 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSIP2-SB-09_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312
		Depth	8.3 – 10.3 ft	0.5 – 2.5 ft	11.3 – 12.9 ft	2.5 – 4.5 ft	6 – 8 ft	9 – 11 ft	0 – 2 ft	10 – 12 ft
		Sample ID	DSIP2-SB-09-8.3-10.3	DSIP2-SB-10-0.5-2.5	DSIP2-SB-10-11.3-12.9	DSIP2-SB-10-2.5-4.5	DSIP2-SB-10-6-8	DSIP2-SB-10-9-11	DSIP2-SB-11-0-2	DSIP2-SB-11-10-12
		Sample Date	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/16/2013	12/16/2013
		Sample Type	N	N	N	N	N	N	N	N
		X	1268064.60	1268039.90	1268039.90	1268039.90	1268039.90	1268039.90	1267949.10	1267949.10
		Y	205002.51	205120.11	205120.11	205120.11	205120.11	205120.11	205009.33	205009.33
	Screening Level									
bis(2-Ethylhexyl)phthalate			48 U	**320**	50 U	**180**	**110**	48 U	**720**	47 U
Butylbenzyl phthalate			4.8 U	**55 J**	**5.2**	**23**	5 U	4.8 U	**29**	4.7 U
Diethyl phthalate			19 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U
Dimethyl phthalate			4.8 U	**9.6**	5 U	4.9 U	5 U	4.8 U	**8.6**	4.7 U
Di-n-butyl phthalate			19 U	20 U	20 U	20 U	20 U	19 U	**12 J**	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)			190 U	200 U	200 U	200 U	200 U	190 U	190 U	190 U
Di-n-octyl phthalate			19 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U
Hexachlorobenzene			--	--	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)			--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene			96 U	98 UJ	99 UJ	98 UJ	99 UJ	97 UJ	96 U	94 UJ
Hexachloroethane			19 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U
Isophorone			19 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U
Nitrobenzene			19 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U
n-Nitrosodimethylamine			--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine			19 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U
n-Nitrosodiphenylamine			4.8 U	4.9 U	5 U	4.9 U	5 U	4.8 U	4.8 U	4.7 U
Pentachlorophenol	360		19 U	**20 J**	20 UJ	20 UJ	20 UJ	19 UJ	19 U	19 U
Phenol	420		**16 J**	**40**	8.4 U	**19 J**	**74**	**14 J**	37 U	8.8 U

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312
	Depth	2 – 4 ft	4 – 6 ft	6.3 – 8.3 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	6.5 – 8.5 ft	6.5 – 8.5 ft
	Sample ID	DSIP2-SB-11-2-4	DSIP2-SB-11-4-6	DSIP2-SB-11-6.3-8.3	DSIP2-SB-12-0-2	DSIP2-SB-12-2-4	DSIP2-SB-12-4.5-6.5	DSIP2-SB-12-6.5-8.5	DSIP2-SB-62-6.5-8.5
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013
	Sample Type	N	N	N	N	N	N	N	FD
	X	1267949.10	1267949.10	1267949.10	1268085.51	1268085.51	1268085.51	1268085.51	1268085.51
	Y	205009.33	205009.33	205009.33	204804.91	204804.91	204804.91	204804.91	204804.91
Screening Level									
Semivolatile Organics (mg/kg-OC)									
1,2,4-Trichlorobenzene	0.81	**0.0867 J**	**0.1709 J**	0.2033 U	0.2025 U	0.2237 U	**0.2 J**	**0.1633 J**	0.4128 U
1,2-Dichlorobenzene	2.3	**0.22**	0.1013 U	0.0581 U	0.0844 U	**0.3699**	**0.647**	**0.663 J**	**0.55 J**
1,3-Dichlorobenzene		0.0467 U	0.1013 U	0.0581 U	0.0844 U	0.0731 U	0.0941 U	0.0918 U	0.0826 U
1,4-Dichlorobenzene	3.1	**0.2667**	**0.4051**	**0.1701 J**	**0.1941 J**	**0.3288**	**0.3353**	**0.3929**	**0.4083 J**
2,2'-Oxybis (1-chloropropane)		0.633 U	1.203 U	0.83 U	0.802 U	0.913 U	1.118 U	1.02 U	2.661 U
2,3,4,6-Tetrachlorophenol		0.633 U	1.203 U	0.83 UJ	0.802 U	0.913 U	1.118 U	1.02 U	2.661 U
2,4,5-Trichlorophenol		3.2 U	6.076 U	4.066 UJ	4.008 U	4.475 U	5.647 U	5 U	13.303 U
2,4,6-Trichlorophenol		3.2 U	6.076 U	4.066 UJ	4.008 U	4.475 U	5.647 U	5 U	13.303 U
2,4-Dichlorophenol		3.2 U	6.076 U	4.066 U	4.008 U	4.475 U	5.647 U	5 U	13.303 U
2,4-Dimethylphenol		**0.533 J**	1.519 UJ	0.996 UJ	1.013 UJ	1.096 UJ	1.412 UJ	1.224 UJ	3.303 UJ
2,4-Dinitrophenol		6.333 UJ	12.025 UJ	8.299 UJ	8.017 U	9.132 U	11.176 U	10.204 U	26.606 U
2,4-Dinitrotoluene		3.2 U	6.076 U	4.066 UJ	4.008 U	4.475 U	5.647 U	5 U	13.303 U
2,6-Dinitrotoluene		3.2 U	6.076 U	4.066 UJ	4.008 U	4.475 U	5.647 U	5 U	13.303 U
2-Chloronaphthalene		0.633 U	1.203 U	0.83 UJ	0.802 U	0.913 U	1.118 U	1.02 U	2.661 U
2-Chlorophenol		0.633 U	1.203 U	0.83 U	0.802 U	0.913 U	1.118 U	1.02 U	2.661 U
2-Methylphenol (o-Cresol)		**0.2333**	**0.2911 J**	**0.1701 J**	0.2025 U	**0.1963 J**	**0.2 J**	**0.2857**	0.642 U
2-Nitroaniline		3.2 U	6.076 U	4.066 UJ	4.008 U	4.475 U	5.647 U	5 U	13.303 U
2-Nitrophenol		0.633 U	1.203 U	0.83 U	0.802 U	0.913 U	1.118 U	1.02 U	2.661 U
3,3'-Dichlorobenzidine		3.2 UJ	6.076 UJ	4.066 UJ	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
3-Nitroaniline		3.2 UJ	6.076 UJ	4.066 UJ	4.008 UJ	4.475 UJ	5.647 UJ	5 UJ	13.303 UJ
4-Bromophenyl-phenyl ether		0.633 U	1.203 U	0.83 U	0.802 U	0.913 U	1.118 U	1.02 U	2.661 U
4-Chloro-3-methylphenol		3.2 U	6.076 U	4.066 U	4.008 U	4.475 U	5.647 U	5 U	13.303 U
4-Chloroaniline		**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
4-Chlorophenyl phenyl ether		0.633 U	1.203 U	0.83 UJ	0.802 U	0.913 U	1.118 U	1.02 U	2.661 U
4-Methylphenol (p-Cresol)		**0.867**	**1.076**	**0.83**	**1.097**	**1.598**	**1.647**	**3.418**	**2.202**
4-Nitroaniline		3.2 U	6.076 U	4.066 UJ	4.008 UJ	4.475 UJ	5.647 UJ	5 UJ	13.303 UJ
4-Nitrophenol		3.2 U	6.076 U	4.066 UJ	4.008 U	4.475 U	5.647 U	5 U	13.303 U
Benzoic acid		**3.333 J**	12.025 U	8.299 U	**10.97**	**6.393 J**	**5.176 J**	**5.612 J**	26.606 U
Benzyl alcohol		**1.6**	**1.962**	0.83 U	**8.439 J**	**2.74 J**	**-- R**	**2.551 J**	**-- R**
bis(2-Chloroethoxy)methane		0.633 U	1.203 U	0.83 U	0.802 U	0.913 U	1.118 U	1.02 U	2.661 U
bis(2-Chloroethyl)ether		0.633 U	1.203 U	0.83 U	0.802 U	0.913 U	1.118 U	1.02 U	2.661 U
bis(2-Ethylhexyl)phthalate	47	**46.667**	**12.658**	**6.639**	**16.034**	**27.397**	**23.529**	**61.224**	**59.633**
Butylbenzyl phthalate	4.9	**0.6**	**0.4367**	**0.2697**	**1.857 J**	**2.055 J**	**2.059 J**	**1.939 J**	**1.743 J**
Diethyl phthalate	61	0.633 U	1.203 U	0.83 U	0.802 U	0.913 U	1.118 U	**1.837**	2.661 U
Dimethyl phthalate	53	0.16 U	0.3038 U	0.2033 U	**0.2658**	**0.502**	**0.2353 J**	**0.3571**	0.642 U
Di-n-butyl phthalate	220	**0.633**	**0.949 J**	**0.456 J**	**0.422 J**	0.913 U	1.118 U	1.02 U	2.661 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		6.333 U	12.025 U	8.299 U	8.017 U	9.132 U	11.176 U	10.204 U	26.606 U
Di-n-octyl phthalate	58	0.633 U	1.203 U	0.83 U	0.802 U	0.913 U	1.118 U	1.02 U	2.661 U
Hexachlorobenzene	0.38	0.0667 UJ	0.1582 UJ	0.0954 UJ	0.0422 UJ	0.04429 UJ	0.05824 UJ	0.04898 UJ	0.1284 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.0667 U	0.06139 U	0.04066 U	0.0422 U	0.04429 U	0.05824 U	0.04898 U	0.0917 U

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312
		Depth	2 – 4 ft	4 – 6 ft	6.3 – 8.3 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	6.5 – 8.5 ft	6.5 – 8.5 ft
		Sample ID	DSIP2-SB-11-2-4	DSIP2-SB-11-4-6	DSIP2-SB-11-6.3-8.3	DSIP2-SB-12-0-2	DSIP2-SB-12-2-4	DSIP2-SB-12-4.5-6.5	DSIP2-SB-12-6.5-8.5	DSIP2-SB-62-6.5-8.5
		Sample Date	12/16/2013	12/16/2013	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013
		Sample Type	N	N	N	N	N	N	N	FD
		X	1267949.10	1267949.10	1267949.10	1268085.51	1268085.51	1268085.51	1268085.51	1268085.51
		Y	205009.33	205009.33	205009.33	204804.91	204804.91	204804.91	204804.91	204804.91
	Screening Level									
Hexachlorocyclopentadiene			3.2 UJ	6.076 UJ	4.066 UJ	4.008 UJ	4.475 UJ	5.647 UJ	5 UJ	13.303 UJ
Hexachloroethane			0.633 U	1.203 U	0.83 U	0.802 U	0.913 U	1.118 U	1.02 U	2.661 U
Isophorone			0.633 U	1.203 U	0.83 U	0.802 U	0.913 U	1.118 U	1.02 U	2.661 U
Nitrobenzene			0.633 U	1.203 U	0.83 U	0.802 U	0.913 U	1.118 U	1.02 U	2.661 U
n-Nitrosodimethylamine			--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine			0.633 U	1.203 U	0.83 U	0.802 U	0.913 U	1.118 U	1.02 U	2.661 U
n-Nitrosodiphenylamine	11		0.16 U	0.3038 U	0.2033 U	0.2025 U	0.2237 U	0.2824 U	0.25 U	0.642 U
Pentachlorophenol			0.633 UJ	1.203 UJ	0.83 UJ	0.802 UJ	**1.324 J**	**0.941 J**	**1.939 J**	**2.11 J**
Phenol			**2.9**	**2.658**	**1.618**	**2.658**	**2.146**	**1.294 J**	**6.122**	**1.56 J**
Semivolatile Organics (µg/kg)										
1,2,4-Trichlorobenzene			**2.6 J**	**2.7 J**	4.9 U	4.8 U	4.9 U	**3.4 J**	**3.2 J**	--
1,2-Dichlorobenzene			**6.6**	--	--	--	**8.1**	**11**	**13 J**	**12 J**
1,3-Dichlorobenzene			1.4 U	1.6 U	1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U
1,4-Dichlorobenzene			**8**	**6.4**	**4.1 J**	**4.6 J**	**7.2**	**5.7**	**7.7**	**8.9 J**
2,2'-Oxybis (1-chloropropane)			19 U	19 U	20 U	19 U	20 U	19 U	20 U	58 U
2,3,4,6-Tetrachlorophenol			19 U	19 U	20 UJ	19 U	20 U	19 U	20 U	58 U
2,4,5-Trichlorophenol			96 U	96 U	98 UJ	95 U	98 U	96 U	98 U	290 U
2,4,6-Trichlorophenol			96 U	96 U	98 UJ	95 U	98 U	96 U	98 U	290 U
2,4-Dichlorophenol			96 U	96 U	98 U	95 U	98 U	96 U	98 U	290 U
2,4-Dimethylphenol	29		**16 J**	24 UJ	24 UJ	24 UJ	24 UJ	24 UJ	24 UJ	72 UJ
2,4-Dinitrophenol			190 UJ	190 UJ	200 UJ	190 U	200 U	190 U	200 U	580 U
2,4-Dinitrotoluene			96 U	96 U	98 UJ	95 U	98 U	96 U	98 U	290 U
2,6-Dinitrotoluene			96 U	96 U	98 UJ	95 U	98 U	96 U	98 U	290 U
2-Chloronaphthalene			19 U	19 U	20 UJ	19 U	20 U	19 U	20 U	58 U
2-Chlorophenol			19 U	19 U	20 U	19 U	20 U	19 U	20 U	58 U
2-Methylphenol (o-Cresol)	63		**7**	**4.6 J**	**4.1 J**	4.8 U	**4.3 J**	**3.4 J**	**5.6**	14 U
2-Nitroaniline			96 U	96 U	98 UJ	95 U	98 U	96 U	98 U	290 U
2-Nitrophenol			19 U	19 U	20 U	19 U	20 U	19 U	20 U	58 U
3,3'-Dichlorobenzidine			96 UJ	96 UJ	98 UJ	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
3-Nitroaniline			96 UJ	96 UJ	98 UJ	95 UJ	98 UJ	96 UJ	98 UJ	290 UJ
4-Bromophenyl-phenyl ether			19 U	19 U	20 U	19 U	20 U	19 U	20 U	58 U
4-Chloro-3-methylphenol			96 U	96 U	98 U	95 U	98 U	96 U	98 U	290 U
4-Chloroaniline			**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	**-- R**
4-Chlorophenyl phenyl ether			19 U	19 U	20 UJ	19 U	20 U	19 U	20 U	58 U
4-Methylphenol (p-Cresol)	270		**26**	**17**	**20**	**26**	**35**	**28**	**67**	**48**
4-Nitroaniline			96 U	96 U	98 UJ	95 UJ	98 UJ	96 UJ	98 UJ	290 UJ
4-Nitrophenol			96 U	96 U	98 UJ	95 U	98 U	96 U	98 U	290 U
Benzoic acid	650		**100 J**	190 U	200 U	**260**	**140 J**	**88 J**	**110 J**	580 U
Benzyl alcohol	57		**48**	**31**	20 U	**200 J**	**60 J**	**-- R**	**50 J**	**-- R**
bis(2-Chloroethoxy)methane			19 U	19 U	20 U	19 U	20 U	19 U	20 U	58 U
bis(2-Chloroethyl)ether			19 U	19 U	20 U	19 U	20 U	19 U	20 U	58 U

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312
	Depth	2 – 4 ft	4 – 6 ft	6.3 – 8.3 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	6.5 – 8.5 ft	6.5 – 8.5 ft
	Sample ID	DSIP2-SB-11-2-4	DSIP2-SB-11-4-6	DSIP2-SB-11-6.3-8.3	DSIP2-SB-12-0-2	DSIP2-SB-12-2-4	DSIP2-SB-12-4.5-6.5	DSIP2-SB-12-6.5-8.5	DSIP2-SB-62-6.5-8.5
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013
	Sample Type	N	N	N	N	N	N	N	FD
	X	1267949.10	1267949.10	1267949.10	1268085.51	1268085.51	1268085.51	1268085.51	1268085.51
	Y	205009.33	205009.33	205009.33	204804.91	204804.91	204804.91	204804.91	204804.91
	Screening Level								
bis(2-Ethylhexyl)phthalate		**1400**	**200**	**160**	**380**	**600**	**400**	**1200**	**1300**
Butylbenzyl phthalate		**18**	**6.9**	**6.5**	**44 J**	**45 J**	**35 J**	**38 J**	**38 J**
Diethyl phthalate		19 U	19 U	20 U	19 U	20 U	19 U	**36**	58 U
Dimethyl phthalate		4.8 U	4.8 U	4.9 U	**6.3**	**11**	**4 J**	**7**	14 U
Di-n-butyl phthalate		**19**	**15 J**	**11 J**	**10 J**	20 U	19 U	20 U	58 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		190 U	190 U	200 U	190 U	200 U	190 U	200 U	580 U
Di-n-octyl phthalate		19 U	19 U	20 U	19 U	20 U	19 U	20 U	58 U
Hexachlorobenzene		--	--	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene		96 UJ	96 UJ	98 UJ	95 UJ	98 UJ	96 UJ	98 UJ	290 UJ
Hexachloroethane		19 U	19 U	20 U	19 U	20 U	19 U	20 U	58 U
Isophorone		19 U	19 U	20 U	19 U	20 U	19 U	20 U	58 U
Nitrobenzene		19 U	19 U	20 U	19 U	20 U	19 U	20 U	58 U
n-Nitrosodimethylamine		--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine		19 U	19 U	20 U	19 U	20 U	19 U	20 U	58 U
n-Nitrosodiphenylamine		4.8 U	4.8 U	4.9 U	4.8 U	4.9 U	4.8 U	4.9 U	14 U
Pentachlorophenol	360	19 UJ	19 UJ	20 UJ	19 UJ	**29 J**	**16 J**	**38 J**	**46 J**
Phenol	420	**87**	**42**	**39**	**63**	**47**	**22 J**	**120**	**34 J**

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSIP2-SB-12_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSI-SB-01	DSI-SB-01	DSI-SB-01	DSI-SB-01
	Depth	8.5 – 10.3 ft	0.3 – 2.3 ft	2.3 – 4.3 ft	5 – 7.5 ft	8 – 10 ft	1 – 2 ft	2 – 3.1 ft	3.1 – 4 ft	5 – 6 ft
	Sample ID	DSIP2-SB-12-8.5-10.3	DSIP2-SB-14-0.3-2.3	DSIP2-SB-14-2.3-4.3	DSIP2-SB-14-5-7.5	DSIP2-SB-14-8-10	DSI-SB-01-1-2	DSI-SB-01-2-3.1	DSI-SB-01-3.1-4	DSI-SB-01-5-6
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	3/10/2011	3/10/2011	3/10/2011	3/10/2011
	Sample Type	N	N	N	N	N	N	N	N	N
	X	1268085.51	1268107.89	1268107.89	1268107.89	1268107.89	1268042.69	1268042.69	1268042.69	1268042.69
	Y	204804.91	204304.40	204304.40	204304.40	204304.40	204252.04	204252.04	204252.04	204252.04
	Screening Level									
Semivolatile Organics (mg/kg-OC)										
1,2,4-Trichlorobenzene	0.81	1.011 U	0.418 U	0.4183 U	2.8 U	1.526 U	0.2882 U	0.3889 U	0.9438 U	2.4194 U
1,2-Dichlorobenzene	2.3	0.2418 U	0.0798 U	**2.019**	0.6857 U	0.4221 U	0.1 U	0.1032 U	0.9438 U	0.6452 U
1,3-Dichlorobenzene		0.2418 U	0.0798 U	**0.4279 J**	0.6857 U	0.4221 U	1.176 U	1.587 U	3.815 U	9.677 U
1,4-Dichlorobenzene	3.1	0.2418 U	0.0798 U	**1.346**	0.6857 U	0.4221 U	0.1 U	0.1032 U	0.9438 U	0.6452 U
2,2'-Oxybis (1-chloropropane)		4.176 U	2.205 U	2.837 U	11.429 U	6.169 U	--	--	--	--
2,3,4,6-Tetrachlorophenol		4.176 U	2.205 U	2.837 U	11.429 U	6.169 U	--	--	--	--
2,4,5-Trichlorophenol		20.44 U	11.027 U	14.423 U	56.571 U	30.519 U	--	--	--	--
2,4,6-Trichlorophenol		20.44 U	11.027 U	14.423 U	56.571 U	30.519 U	--	--	--	--
2,4-Dichlorophenol		20.44 U	11.027 U	14.423 U	56.571 U	30.519 U	--	--	--	--
2,4-Dimethylphenol		5.055 UJ	2.776 UJ	3.558 UJ	14.286 UJ	7.468 UJ	1.176 U	1.587 U	3.815 UJ	9.677 U
2,4-Dinitrophenol		41.758 U	22.053 U	28.365 U	114.286 U	61.688 U	--	--	--	--
2,4-Dinitrotoluene		20.44 U	11.027 U	14.423 U	56.571 U	30.519 U	--	--	--	--
2,6-Dinitrotoluene		20.44 U	11.027 U	14.423 U	56.571 U	30.519 U	--	--	--	--
2-Chloronaphthalene		4.176 U	2.205 U	2.837 U	11.429 U	6.169 U	--	--	--	--
2-Chlorophenol		4.176 U	2.205 U	2.837 U	11.429 U	6.169 U	--	--	--	--
2-Methylphenol (o-Cresol)		1.011 U	0.57 U	**0.529 J**	2.8 U	1.526 U	1.176 U	1.587 U	3.815 U	9.677 U
2-Nitroaniline		20.44 U	11.027 U	14.423 U	56.571 U	30.519 U	--	--	--	--
2-Nitrophenol		4.176 U	2.205 U	2.837 U	11.429 U	6.169 U	--	--	--	--
3,3'-Dichlorobenzidine		**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	--	--	--	--
3-Nitroaniline		20.44 UJ	11.027 UJ	14.423 UJ	56.571 UJ	30.519 UJ	--	--	--	--
4-Bromophenyl-phenyl ether		4.176 U	2.205 U	2.837 U	11.429 U	6.169 U	--	--	--	--
4-Chloro-3-methylphenol		20.44 U	11.027 U	14.423 U	56.571 U	30.519 U	--	--	--	--
4-Chloroaniline		**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	--	--	--	--
4-Chlorophenyl phenyl ether		4.176 U	2.205 U	2.837 U	11.429 U	6.169 U	--	--	--	--
4-Methylphenol (p-Cresol)		**0.8571 J**	**1.293**	**5.769**	2.8 U	1.526 U	**1.412**	**0.7857 J**	3.815 U	9.677 U
4-Nitroaniline		20.44 UJ	11.027 UJ	14.423 UJ	56.571 UJ	30.519 UJ	--	--	--	--
4-Nitrophenol		20.44 U	11.027 U	14.423 U	56.571 U	30.519 U	--	--	--	--
Benzoic acid		41.758 U	**7.605 J**	**17.308 J**	114.286 U	61.688 U	**7.059 J**	15.873 UJ	38.153 UJ	96.774 U
Benzyl alcohol		**-- R**	**6.464 J**	**-- R**	**-- R**	**-- R**	**2.529**	1.587 U	3.815 UJ	9.677 U
bis(2-Chloroethoxy)methane		4.176 U	2.205 U	2.837 U	11.429 U	6.169 U	--	--	--	--
bis(2-Chloroethyl)ether		4.176 U	2.205 U	2.837 U	11.429 U	6.169 U	--	--	--	--
bis(2-Ethylhexyl)phthalate	47	**11.429**	**11.407**	**39.904**	28 U	15.26 U	**39.412**	**34.921 J**	5.02 U	19.892 U
Butylbenzyl phthalate	4.9	**2.1319**	**1.369 J**	**2.404 J**	2.8 U	1.526 U	**1.765**	**1.19 J**	3.815 U	9.677 U
Diethyl phthalate	61	**5.275**	2.205 U	2.837 U	**24.571**	**10.39**	0.3118 U	**0.4921**	1.004 U	**2.7419**
Dimethyl phthalate	53	1.011 U	**0.418 J**	**23.077**	2.8 U	1.526 U	**0.882 J**	**0.7063 J**	3.815 U	9.677 U
Di-n-butyl phthalate	220	4.176 U	2.205 U	2.837 U	11.429 U	6.169 U	**0.765 J**	**0.873 J**	3.815 U	9.677 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		41.758 U	22.053 U	28.365 U	114.286 U	61.688 U	--	--	--	--
Di-n-octyl phthalate	58	4.176 U	2.205 U	2.837 U	11.429 U	6.169 U	1.176 U	**1.984**	3.815 U	9.677 U
Hexachlorobenzene	0.38	0.21099 UJ	0.03726 UJ	0.0913 UJ	0.53714 UJ	0.31169 UJ	0.05824 U	0.07778 U	--	0.52688 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.21099 U	0.03726 U	0.0913 U	0.53714 U	0.31169 UJ	0.05824 U	0.07778 U	0.9438 U	0.52688 U

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSIP2-SB-12_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSI-SB-01	DSI-SB-01	DSI-SB-01	DSI-SB-01
		Depth	8.5 – 10.3 ft	0.3 – 2.3 ft	2.3 – 4.3 ft	5 – 7.5 ft	8 – 10 ft	1 – 2 ft	2 – 3.1 ft	3.1 – 4 ft	5 – 6 ft
		Sample ID	DSIP2-SB-12-8.5-10.3	DSIP2-SB-14-0.3-2.3	DSIP2-SB-14-2.3-4.3	DSIP2-SB-14-5-7.5	DSIP2-SB-14-8-10	DSI-SB-01-1-2	DSI-SB-01-2-3.1	DSI-SB-01-3.1-4	DSI-SB-01-5-6
		Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	3/10/2011	3/10/2011	3/10/2011	3/10/2011
		Sample Type	N	N	N	N	N	N	N	N	N
		X	1268085.51	1268107.89	1268107.89	1268107.89	1268107.89	1268042.69	1268042.69	1268042.69	1268042.69
		Y	204804.91	204304.40	204304.40	204304.40	204304.40	204252.04	204252.04	204252.04	204252.04
	Screening Level										
Hexachlorocyclopentadiene			20.44 UJ	11.027 UJ	14.423 UJ	56.571 UJ	30.519 UJ	--	--	--	--
Hexachloroethane			4.176 U	2.205 U	2.837 U	11.429 U	6.169 U	1.176 U	1.587 UJ	3.815 U	9.677 U
Isophorone			4.176 U	2.205 U	2.837 U	11.429 U	6.169 U	--	--	--	--
Nitrobenzene			4.176 U	2.205 U	2.837 U	11.429 U	6.169 U	--	--	--	--
n-Nitrosodimethylamine			--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine			4.176 U	2.205 U	2.837 U	11.429 U	6.169 U	--	--	--	--
n-Nitrosodiphenylamine	11		1.011 U	0.57 U	0.721 U	2.8 U	1.526 U	0.2882 U	0.3889 U	0.9438 U	2.4194 U
Pentachlorophenol			4.176 UJ	2.205 UJ	2.837 UJ	11.429 UJ	6.169 UJ	**1.471 J**	1.111 U	1.5261 U	4.1398 U
Phenol			**2.044 J**	**1.331 J**	**5.769**	5.4286 U	2.6948 U	**2.765**	1.587 U	**2.41 J**	9.677 U
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene			4.6 U	--	--	4.9 U	4.7 U	4.9 U	4.9 U	4.7 U	4.5 U
1,2-Dichlorobenzene			--	--	**42**	--	--	--	--	4.7 U	--
1,3-Dichlorobenzene			1.1 U	2.1 U	**8.9 J**	1.2 U	1.3 U	20 U	20 U	19 U	18 U
1,4-Dichlorobenzene			--	--	**28**	--	--	--	--	4.7 U	--
2,2'-Oxybis (1-chloropropane)			19 U	58 U	59 U	20 U	19 U	--	--	--	--
2,3,4,6-Tetrachlorophenol			19 U	58 U	59 U	20 U	19 U	--	--	--	--
2,4,5-Trichlorophenol			93 U	290 U	300 U	99 U	94 U	--	--	--	--
2,4,6-Trichlorophenol			93 U	290 U	300 U	99 U	94 U	--	--	--	--
2,4-Dichlorophenol			93 U	290 U	300 U	99 U	94 U	--	--	--	--
2,4-Dimethylphenol	29		23 UJ	73 UJ	74 UJ	25 UJ	23 UJ	20 U	20 U	19 UJ	18 U
2,4-Dinitrophenol			190 U	580 U	590 U	200 U	190 U	--	--	--	--
2,4-Dinitrotoluene			93 U	290 U	300 U	99 U	94 U	--	--	--	--
2,6-Dinitrotoluene			93 U	290 U	300 U	99 U	94 U	--	--	--	--
2-Chloronaphthalene			19 U	58 U	59 U	20 U	19 U	--	--	--	--
2-Chlorophenol			19 U	58 U	59 U	20 U	19 U	--	--	--	--
2-Methylphenol (o-Cresol)	63		4.6 U	15 U	**11 J**	4.9 U	4.7 U	20 U	20 U	19 U	18 U
2-Nitroaniline			93 U	290 U	300 U	99 U	94 U	--	--	--	--
2-Nitrophenol			19 U	58 U	59 U	20 U	19 U	--	--	--	--
3,3'-Dichlorobenzidine			**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	--	--	--	--
3-Nitroaniline			93 UJ	290 UJ	300 UJ	99 UJ	94 UJ	--	--	--	--
4-Bromophenyl-phenyl ether			19 U	58 U	59 U	20 U	19 U	--	--	--	--
4-Chloro-3-methylphenol			93 U	290 U	300 U	99 U	94 U	--	--	--	--
4-Chloroaniline			**-- R**	**-- R**	**-- R**	**-- R**	**-- R**	--	--	--	--
4-Chlorophenyl phenyl ether			19 U	58 U	59 U	20 U	19 U	--	--	--	--
4-Methylphenol (p-Cresol)	270		**3.9 J**	**34**	**120**	4.9 U	4.7 U	**24**	**9.9 J**	19 U	18 U
4-Nitroaniline			93 UJ	290 UJ	300 UJ	99 UJ	94 UJ	--	--	--	--
4-Nitrophenol			93 U	290 U	300 U	99 U	94 U	--	--	--	--
Benzoic acid	650		190 U	**200 J**	**360 J**	200 U	190 U	**120 J**	200 UJ	190 UJ	180 U
Benzyl alcohol	57		**-- R**	**170 J**	**-- R**	**-- R**	**-- R**	**43**	20 U	19 UJ	18 U
bis(2-Chloroethoxy)methane			19 U	58 U	59 U	20 U	19 U	--	--	--	--
bis(2-Chloroethyl)ether			19 U	58 U	59 U	20 U	19 U	--	--	--	--

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSIP2-SB-12_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSI-SB-01	DSI-SB-01	DSI-SB-01	DSI-SB-01
	Depth	8.5 – 10.3 ft	0.3 – 2.3 ft	2.3 – 4.3 ft	5 – 7.5 ft	8 – 10 ft	1 – 2 ft	2 – 3.1 ft	3.1 – 4 ft	5 – 6 ft
	Sample ID	DSIP2-SB-12-8.5-10.3	DSIP2-SB-14-0.3-2.3	DSIP2-SB-14-2.3-4.3	DSIP2-SB-14-5-7.5	DSIP2-SB-14-8-10	DSI-SB-01-1-2	DSI-SB-01-2-3.1	DSI-SB-01-3.1-4	DSI-SB-01-5-6
	Sample Date	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	3/10/2011	3/10/2011	3/10/2011	3/10/2011
	Sample Type	N	N	N	N	N	N	N	N	N
	X	1268085.51	1268107.89	1268107.89	1268107.89	1268107.89	1268042.69	1268042.69	1268042.69	1268042.69
	Y	204804.91	204304.40	204304.40	204304.40	204304.40	204252.04	204252.04	204252.04	204252.04
	Screening Level									
bis(2-Ethylhexyl)phthalate		**52**	**300**	**830**	49 U	47 U	**670**	**440 J**	25 U	37 U
Butylbenzyl phthalate		**9.7**	**36 J**	**50 J**	4.9 U	4.7 U	**30**	**15 J**	19 U	18 U
Diethyl phthalate		**24**	58 U	59 U	**43**	**32**	5.3 U	**6.2**	5 U	**5.1**
Dimethyl phthalate		4.6 U	**11 J**	**480**	4.9 U	4.7 U	**15 J**	**8.9 J**	19 U	18 U
Di-n-butyl phthalate		19 U	58 U	59 U	20 U	19 U	**13 J**	**11 J**	19 U	18 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		190 U	580 U	590 U	200 U	190 U	--	--	--	--
Di-n-octyl phthalate		19 U	58 U	59 U	20 U	19 U	20 U	**25**	19 U	18 U
Hexachlorobenzene		--	--	--	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	--	--	--	--	4.7 U	--
Hexachlorocyclopentadiene		93 UJ	290 UJ	300 UJ	99 UJ	94 UJ	--	--	--	--
Hexachloroethane		19 U	58 U	59 U	20 U	19 U	20 U	20 UJ	19 U	18 U
Isophorone		19 U	58 U	59 U	20 U	19 U	--	--	--	--
Nitrobenzene		19 U	58 U	59 U	20 U	19 U	--	--	--	--
n-Nitrosodimethylamine		--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine		19 U	58 U	59 U	20 U	19 U	--	--	--	--
n-Nitrosodiphenylamine		4.6 U	15 U	15 U	4.9 U	4.7 U	4.9 U	4.9 U	4.7 U	4.5 U
Pentachlorophenol	360	19 UJ	58 UJ	59 UJ	20 UJ	19 UJ	**25 J**	14 U	7.6 U	7.7 U
Phenol	420	**9.3 J**	**35 J**	**120**	9.5 U	8.3 U	**47**	20 U	**12 J**	18 U

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-03
	Depth	1 – 2.3 ft	3.7 – 5.2 ft	5.2 – 7 ft	8.5 – 10 ft	1 – 2 ft	10.4 – 11.1 ft	11.1 – 11.6 ft	5.8 – 7 ft	9.5 – 10.4 ft
	Sample ID	DSI-SB-02-1-2.3	DSI-SB-02-3.7-5.2	DSI-SB-02-5.2-7	DSI-SB-02-8.5-10	DSI-SB-03-1-2	DSI-SB-03-10.4-11.1	DSI-SB-03-11.1-11.6	DSI-SB-03-5.8-7	DSI-SB-03-9.5-10.4
	Sample Date	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/14/2011	3/14/2011	3/14/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N	N	N	N	N	N	N
	X	1268229.03	1268229.03	1268229.03	1268229.03	1268175.77	1268175.77	1268175.77	1268175.77	1268175.77
	Y	204122.15	204122.15	204122.15	204122.15	204299.56	204299.56	204299.56	204299.56	204299.56
	Screening Level									
Semivolatile Organics (mg/kg-OC)										
1,2,4-Trichlorobenzene	0.81	0.1992 U	0.1387 U	0.5596 U	0.7023 U	0.1599 U	0.2146 U	0.512 U	0.2659 U	0.1968 U
1,2-Dichlorobenzene	2.3	0.0788 U	**0.347**	0.5596 U	**0.5344 J**	0.0646 U	**0.913**	0.512 U	0.0694 U	0.0522 U
1,3-Dichlorobenzene		0.788 U	0.549 U	2.19 U	2.901 U	0.646 U	4.292 U	2.09 U	1.04 U	0.803 U
1,4-Dichlorobenzene	3.1	**0.1452 J**	**0.1561 J**	0.5596 U	0.1679 U	0.0646 U	**0.3196**	0.512 U	0.0694 U	0.0522 U
2,2'-Oxybis (1-chloropropane)		--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol		--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol		--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol		--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol		0.788 UJ	0.549 UJ	2.19 UJ	2.901 UJ	0.646 UJ	4.292 UJ	4.075 UJ	1.04 UJ	**0.803 J**
2,4-Dinitrophenol		--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene		--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene		--	--	--	--	--	--	--	--	--
2-Chloronaphthalene		--	--	--	--	--	--	--	--	--
2-Chlorophenol		--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)		0.788 U	0.549 U	2.19 U	2.901 U	0.646 U	4.292 U	2.09 U	1.04 U	**1.807**
2-Nitroaniline		--	--	--	--	--	--	--	--	--
2-Nitrophenol		--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine		--	--	--	--	--	--	--	--	--
3-Nitroaniline		--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol		--	--	--	--	--	--	--	--	--
4-Chloroaniline		--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	--	--
4-Methylphenol (p-Cresol)		**1.328**	**1.561**	2.19 U	2.901 U	**0.714**	**2.374 J**	4.075 U	**0.867 J**	**5.221**
4-Nitroaniline		--	--	--	--	--	--	--	--	--
4-Nitrophenol		--	--	--	--	--	--	--	--	--
Benzoic acid		**17.842 J**	5.491 UJ	21.898 U	29.008 UJ	**4.422 J**	42.922 U	40.752 UJ	10.405 UJ	8.032 UJ
Benzyl alcohol		**11.618**	**2.457**	2.19 UJ	2.901 U	**2.891**	4.292 UJ	2.09 U	1.04 U	**0.3896 J**
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether		--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	47	**7.054**	**21.965**	7.421 U	4.427 U	**8.163**	**63.927**	**2.926**	**13.873**	**34.94**
Butylbenzyl phthalate	4.9	**0.871**	0.549 U	2.19 U	2.901 U	**1.293 J**	4.292 U	2.09 U	1.04 UJ	0.803 UJ
Diethyl phthalate	61	**0.2033 J**	**0.2197**	0.6083 U	**2.29**	**1.361**	--	6.374 U	**0.3815**	0.2088 U
Dimethyl phthalate	53	0.788 U	**0.665**	2.19 U	2.901 U	0.646 U	4.292 U	2.09 U	1.04 U	0.803 U
Di-n-butyl phthalate	220	0.788 U	0.549 U	2.19 U	2.901 U	1.565 U	4.292 U	2.09 U	1.04 U	0.803 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	58	0.788 U	0.549 U	2.19 U	2.901 U	0.646 U	4.292 U	2.09 U	1.04 U	0.803 U
Hexachlorobenzene	0.38	0.04025 U	0.1387 U	0.5596 U	0.7023 U	0.03367 U	0.2146 U	0.512 U	0.05665 U	0.03896 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.04025 U	0.1387 U	0.5596 U	0.7023 U	0.03367 U	0.2146 U	0.512 U	0.05665 U	0.03896 U

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-03
	Depth	1 – 2.3 ft	3.7 – 5.2 ft	5.2 – 7 ft	8.5 – 10 ft	1 – 2 ft	10.4 – 11.1 ft	11.1 – 11.6 ft	5.8 – 7 ft	9.5 – 10.4 ft
	Sample ID	DSI-SB-02-1-2.3	DSI-SB-02-3.7-5.2	DSI-SB-02-5.2-7	DSI-SB-02-8.5-10	DSI-SB-03-1-2	DSI-SB-03-10.4-11.1	DSI-SB-03-11.1-11.6	DSI-SB-03-5.8-7	DSI-SB-03-9.5-10.4
	Sample Date	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/14/2011	3/14/2011	3/14/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N	N	N	N	N	N	N
	X	1268229.03	1268229.03	1268229.03	1268229.03	1268175.77	1268175.77	1268175.77	1268175.77	1268175.77
	Y	204122.15	204122.15	204122.15	204122.15	204299.56	204299.56	204299.56	204299.56	204299.56
	Screening Level									
Hexachlorocyclopentadiene		--	--	--	--	--	--	--	--	--
Hexachloroethane		0.788 U	0.549 U	2.19 U	2.901 U	0.646 U	4.292 U	2.09 UJ	1.04 U	0.803 U
Isophorone		--	--	--	--	--	--	--	--	--
Nitrobenzene		--	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine		--	--	--	--	0.816 U	--	--	1.329 U	0.964 U
n-Nitrosodi-n-propylamine		--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine	11	0.1992 U	**0.665**	0.5596 U	0.7023 U	0.646 U	**1.781**	0.512 U	1.04 U	0.803 U
Pentachlorophenol		0.498 U	**4.335 J**	0.9854 U	1.2366 U	0.408 U	**7.306 J**	2.508 U	0.4624 U	3.373 U
Phenol		**4.979**	**3.468**	**1.825 J**	2.901 U	**1.429**	**2.557 J**	2.09 U	**6.358**	**6.426**
Semivolatile Organics (µg/kg)										
1,2,4-Trichlorobenzene		4.8 U	4.8 U	4.6 U	4.6 U	4.7 U	4.7 U	4.9 U	4.6 U	4.9 U
1,2-Dichlorobenzene		--	**12**	4.6 U	**3.5 J**	--	**20**	4.9 U	--	--
1,3-Dichlorobenzene		19 U	19 U	18 U	19 U	19 U	94 U	20 U	18 U	20 U
1,4-Dichlorobenzene		**3.5 J**	**5.4 J**	4.6 U	--	--	**7**	4.9 U	--	--
2,2'-Oxybis (1-chloropropane)		--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol		--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol		--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol		--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	29	19 UJ	19 UJ	18 UJ	19 UJ	19 UJ	94 UJ	39 UJ	18 UJ	**20 J**
2,4-Dinitrophenol		--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene		--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene		--	--	--	--	--	--	--	--	--
2-Chloronaphthalene		--	--	--	--	--	--	--	--	--
2-Chlorophenol		--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	63	19 U	19 U	18 U	19 U	19 U	94 U	20 U	18 U	**45**
2-Nitroaniline		--	--	--	--	--	--	--	--	--
2-Nitrophenol		--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine		--	--	--	--	--	--	--	--	--
3-Nitroaniline		--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol		--	--	--	--	--	--	--	--	--
4-Chloroaniline		--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	270	**32**	**54**	18 U	19 U	**21**	**52 J**	39 U	**15 J**	**130**
4-Nitroaniline		--	--	--	--	--	--	--	--	--
4-Nitrophenol		--	--	--	--	--	--	--	--	--
Benzoic acid	650	**430 J**	190 UJ	180 U	190 UJ	**130 J**	940 U	390 UJ	180 UJ	200 UJ
Benzyl alcohol	57	**280**	**85**	18 UJ	19 U	**85**	94 UJ	20 U	18 U	**9.7 J**
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether		--	--	--	--	--	--	--	--	--

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-03
	Depth	1 – 2.3 ft	3.7 – 5.2 ft	5.2 – 7 ft	8.5 – 10 ft	1 – 2 ft	10.4 – 11.1 ft	11.1 – 11.6 ft	5.8 – 7 ft	9.5 – 10.4 ft
	Sample ID	DSI-SB-02-1-2.3	DSI-SB-02-3.7-5.2	DSI-SB-02-5.2-7	DSI-SB-02-8.5-10	DSI-SB-03-1-2	DSI-SB-03-10.4-11.1	DSI-SB-03-11.1-11.6	DSI-SB-03-5.8-7	DSI-SB-03-9.5-10.4
	Sample Date	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/14/2011	3/14/2011	3/14/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N	N	N	N	N	N	N
	X	1268229.03	1268229.03	1268229.03	1268229.03	1268175.77	1268175.77	1268175.77	1268175.77	1268175.77
	Y	204122.15	204122.15	204122.15	204122.15	204299.56	204299.56	204299.56	204299.56	204299.56
	Screening Level									
bis(2-Ethylhexyl)phthalate		**170**	**760**	61 U	29 U	**240**	**1400**	**28**	**240**	**870**
Butylbenzyl phthalate		**21**	19 U	18 U	19 U	**38 J**	94 U	20 U	18 UJ	20 UJ
Diethyl phthalate		**4.9 J**	**7.6**	5 U	**15**	**40**	--	61 U	**6.6**	5.2 U
Dimethyl phthalate		19 U	**23**	18 U	19 U	19 U	94 U	20 U	18 U	20 U
Di-n-butyl phthalate		19 U	19 U	18 U	19 U	46 U	94 U	20 U	18 U	20 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate		19 U	19 U	18 U	19 U	19 U	94 U	20 U	18 U	20 U
Hexachlorobenzene		--	--	4.6 U	4.6 U	--	4.7 U	4.9 U	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	4.6 U	4.6 U	--	4.7 U	4.9 U	--	--
Hexachlorocyclopentadiene		--	--	--	--	--	--	--	--	--
Hexachloroethane		19 U	19 U	18 U	19 U	19 U	94 U	20 UJ	18 U	20 U
Isophorone		--	--	--	--	--	--	--	--	--
Nitrobenzene		--	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine		--	--	--	--	24 U	--	--	23 U	24 U
n-Nitrosodi-n-propylamine		--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine		4.8 U	**23**	4.6 U	4.6 U	19 U	**39**	4.9 U	18 U	20 U
Pentachlorophenol	360	12 U	**150 J**	8.1 U	8.1 U	12 U	**160 J**	24 U	8 U	84 U
Phenol	420	**120**	**120**	**15 J**	19 U	**42**	**56 J**	20 U	**110**	**160**

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-05
	Depth	1 – 2 ft	4 – 5 ft	7 – 8.3 ft	8.3 – 9.3 ft	9.3 – 10.9 ft	1 – 2 ft	3 – 4 ft	6 – 7 ft	8 – 9.3 ft	9.3 – 11 ft
	Sample ID	DSI-SB-04-1-2	DSI-SB-04-4-5	DSI-SB-04-7-8.3	DSI-SB-04-8.3-9.3	DSI-SB-04-9.3-10.9	DSI-SB-05-1-2	DSI-SB-05-3-4	DSI-SB-05-6-7	DSI-SB-05-8-9.3	DSI-SB-05-9.3-11
	Sample Date	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268149.81	1268149.81	1268149.81	1268149.81	1268149.81	1268087.01	1268087.01	1268087.01	1268087.01	1268087.01
	Y	204408.42	204408.42	204408.42	204408.42	204408.42	204645.92	204645.92	204645.92	204645.92	204645.92
	Screening Level										
Semivolatile Organics (mg/kg-OC)											
1,2,4-Trichlorobenzene	0.81	0.189 U	0.2025 U	0.2848 U	0.4927 U	0.6765 U	0.2541 U	0.1917 U	**0.706 J**	**0.5714 J**	1.4557 U
1,2-Dichlorobenzene	2.3	0.0709 UJ	**0.3223**	**0.727**	**2.201**	**2.059**	0.0973 U	0.1917 U	**5.588**	**5.714**	1.4557 U
1,3-Dichlorobenzene		0.748 U	0.826 U	1.152 U	5.975 U	2.647 U	1.027 U	0.75 U	**0.824 J**	**0.5079 J**	5.696 U
1,4-Dichlorobenzene	3.1	0.0709 UJ	**0.2645**	**0.3091 J**	0.4927 U	0.6765 U	0.0973 U	0.1917 U	**1.588**	**1.111 J**	1.4557 U
2,2'-Oxybis (1-chloropropane)		--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol		0.748 U	0.826 U	**1.333**	5.975 UJ	5.441 UJ	1.027 U	0.75 UJ	1.118 U	1.429 U	5.696 UJ
2,4-Dinitrophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene		--	--	--	--	--	--	--	--	--	--
2-Chlorophenol		--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)		0.748 U	0.826 U	**0.667 J**	5.975 U	2.647 U	**0.4054 J**	0.75 U	1.118 U	1.429 U	5.696 U
2-Nitroaniline		--	--	--	--	--	--	--	--	--	--
2-Nitrophenol		--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine		--	--	--	--	--	--	--	--	--	--
3-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol		--	--	--	--	--	--	--	--	--	--
4-Chloroaniline		--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Methylphenol (p-Cresol)		**4.331**	**2.19**	**7.879**	5.975 U	5.441 U	**2.324**	**1.458**	**2.118**	**3.016**	5.696 U
4-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Nitrophenol		--	--	--	--	--	--	--	--	--	--
Benzoic acid		**14.961**	**12.81**	11.515 UJ	59.748 U	54.412 U	**9.73 J**	**9.167**	11.176 U	14.286 U	56.962 U
Benzyl alcohol		**5.512**	**3.554**	**0.667 J**	5.975 UJ	2.647 U	**5.243**	0.75 UJ	1.118 U	1.429 U	5.696 UJ
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether		--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	47	**7.874**	**11.157**	**53.939 J**	**125.786**	3.382 U	**40**	**17.083**	**21.176**	**46.825**	5.696 U
Butylbenzyl phthalate	4.9	**1.142**	**1.157**	1.152 U	5.975 U	2.647 U	**1.405**	**1.083**	1.118 U	1.429 U	5.696 U
Diethyl phthalate	61	0.2047 U	0.219 U	0.303 U	0.5346 U	2.059 U	**1.081**	0.225 U	0.3059 U	0.3889 U	1.5823 U
Dimethyl phthalate	53	0.748 U	**2.851**	1.152 U	5.975 U	2.647 U	**2**	0.75 U	1.118 U	1.429 U	5.696 U
Di-n-butyl phthalate	220	**0.669 J**	**1.653**	**9.697**	**8.386**	2.647 U	**0.919 J**	**0.5 J**	**0.3941 J**	**0.6508 J**	5.696 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	58	0.748 U	0.826 U	1.152 UJ	5.975 U	2.647 U	**1.946**	0.75 U	**1.647**	1.429 U	5.696 U
Hexachlorobenzene	0.38	0.03898 U	0.0661 U	0.05939 U	0.4927 U	0.6765 U	0.05351 U	0.1917 U	0.05765 U	0.3571 U	1.4557 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.03898 U	0.0405 U	0.05939 U	0.4927 U	13.529 U	0.05351 U	0.1917 U	0.05765 U	0.3571 U	1.4557 U

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-05
	Depth	1 – 2 ft	4 – 5 ft	7 – 8.3 ft	8.3 – 9.3 ft	9.3 – 10.9 ft	1 – 2 ft	3 – 4 ft	6 – 7 ft	8 – 9.3 ft	9.3 – 11 ft
	Sample ID	DSI-SB-04-1-2	DSI-SB-04-4-5	DSI-SB-04-7-8.3	DSI-SB-04-8.3-9.3	DSI-SB-04-9.3-10.9	DSI-SB-05-1-2	DSI-SB-05-3-4	DSI-SB-05-6-7	DSI-SB-05-8-9.3	DSI-SB-05-9.3-11
	Sample Date	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268149.81	1268149.81	1268149.81	1268149.81	1268149.81	1268087.01	1268087.01	1268087.01	1268087.01	1268087.01
	Y	204408.42	204408.42	204408.42	204408.42	204408.42	204645.92	204645.92	204645.92	204645.92	204645.92
	Screening Level										
Hexachlorocyclopentadiene		--	--	--	--	--	--	--	--	--	--
Hexachloroethane		0.748 U	0.826 U	1.152 UJ	5.975 U	2.647 U	1.027 U	0.75 U	1.118 U	1.429 U	5.696 U
Isophorone		--	--	--	--	--	--	--	--	--	--
Nitrobenzene		--	--	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine		0.945 U	1.033 U	1.394 U	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine		--	--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine	11	0.748 U	0.826 U	1.152 U	0.4927 U	0.6765 U	0.2541 U	0.1917 U	1.118 U	2.222 U	1.4557 U
Pentachlorophenol		0.709 U	**2.355 J**	**5.212 J**	**5.87**	3.382 U	0.973 U	0.625 U	**5.882 J**	**6.984 J**	2.5316 U
Phenol		**2.953**	**4.545**	**5.879**	**4.717 J**	**2.353 J**	**3.135**	**2.542**	**1.176**	**3.413**	5.696 U
Semivolatile Organics (µg/kg)											
1,2,4-Trichlorobenzene		4.8 U	4.9 U	4.7 U	4.7 U	4.6 U	4.7 U	4.6 U	**12 J**	**7.2 J**	4.6 U
1,2-Dichlorobenzene		--	**7.8**	**12**	**21**	**14**	--	4.6 U	**95**	**72**	4.6 U
1,3-Dichlorobenzene		19 U	20 U	19 U	57 U	18 U	19 U	18 U	**14 J**	**6.4 J**	18 U
1,4-Dichlorobenzene		--	**6.4**	**5.1 J**	4.7 U	4.6 U	--	4.6 U	**27**	**14 J**	4.6 U
2,2'-Oxybis (1-chloropropane)		--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	29	19 U	20 U	**22**	57 UJ	37 UJ	19 U	18 UJ	19 U	18 U	18 UJ
2,4-Dinitrophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene		--	--	--	--	--	--	--	--	--	--
2-Chlorophenol		--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	63	19 U	20 U	**11 J**	57 U	18 U	**7.5 J**	18 U	19 U	18 U	18 U
2-Nitroaniline		--	--	--	--	--	--	--	--	--	--
2-Nitrophenol		--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine		--	--	--	--	--	--	--	--	--	--
3-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol		--	--	--	--	--	--	--	--	--	--
4-Chloroaniline		--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	270	**110**	**53**	**130**	57 U	37 U	**43**	**35**	**36**	**38**	18 U
4-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Nitrophenol		--	--	--	--	--	--	--	--	--	--
Benzoic acid	650	**380**	**310**	190 UJ	570 U	370 U	**180 J**	**220**	190 U	180 U	180 U
Benzyl alcohol	57	**140**	**86**	**11 J**	57 UJ	18 U	**97**	18 UJ	19 U	18 U	18 UJ
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether		--	--	--	--	--	--	--	--	--	--

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-05
		Depth	1 – 2 ft	4 – 5 ft	7 – 8.3 ft	8.3 – 9.3 ft	9.3 – 10.9 ft	1 – 2 ft	3 – 4 ft	6 – 7 ft	8 – 9.3 ft	9.3 – 11 ft
		Sample ID	DSI-SB-04-1-2	DSI-SB-04-4-5	DSI-SB-04-7-8.3	DSI-SB-04-8.3-9.3	DSI-SB-04-9.3-10.9	DSI-SB-05-1-2	DSI-SB-05-3-4	DSI-SB-05-6-7	DSI-SB-05-8-9.3	DSI-SB-05-9.3-11
		Sample Date	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011
		Sample Type	N	N	N	N	N	N	N	N	N	N
		X	1268149.81	1268149.81	1268149.81	1268149.81	1268149.81	1268087.01	1268087.01	1268087.01	1268087.01	1268087.01
		Y	204408.42	204408.42	204408.42	204408.42	204408.42	204645.92	204645.92	204645.92	204645.92	204645.92
	Screening Level											
bis(2-Ethylhexyl)phthalate			**200**	**270**	**890 J**	**1200**	23 U	**740**	**410**	**360**	**590**	18 U
Butylbenzyl phthalate			**29**	**28**	19 U	57 U	18 U	**26**	**26**	19 U	18 U	18 U
Diethyl phthalate			5.2 U	5.3 U	5 U	5.1 U	14 U	**20**	5.4 U	5.2 U	4.9 U	5 U
Dimethyl phthalate			19 U	**69**	19 U	57 U	18 U	**37**	18 U	19 U	18 U	18 U
Di-n-butyl phthalate			**17 J**	**40**	**160**	**80**	18 U	**17 J**	**12 J**	**6.7 J**	**8.2 J**	18 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)			--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate			19 U	20 U	19 UJ	57 U	18 U	**36**	18 U	**28**	18 U	18 U
Hexachlorobenzene			--	--	--	4.7 U	4.6 U	--	4.6 U	--	4.5 U	4.6 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)			--	--	--	4.7 U	4.6 U	--	4.6 U	--	4.5 U	4.6 U
Hexachlorocyclopentadiene			--	--	--	--	--	--	--	--	--	--
Hexachloroethane			19 U	20 U	19 UJ	57 U	18 U	19 U	18 U	19 U	18 U	18 U
Isophorone			--	--	--	--	--	--	--	--	--	--
Nitrobenzene			--	--	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine			24 U	25 U	23 U	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine			--	--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine			19 U	20 U	19 U	4.7 U	4.6 U	4.7 U	4.6 U	19 U	28 U	4.6 U
Pentachlorophenol	360		18 U	**57 J**	**86 J**	**56**	23 U	18 U	15 U	**100 J**	**88 J**	8 U
Phenol	420		**75**	**110**	**97**	**45 J**	**16 J**	**58**	**61**	**20**	**43**	18 U

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSI-SB-06	DSI-SB-06	DSI-SB-06	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-08	DSI-SB-08
	Depth	1 – 2 ft	5 – 6.5 ft	9.6 – 11 ft	1 – 2 ft	10.5 – 11.9 ft	11.9 – 12.3 ft	3.5 – 4.5 ft	6.5 – 7.5 ft	1 – 2 ft	12 – 13.3 ft
	Sample ID	DSI-SB-06-1-2	DSI-SB-06-5-6.5	DSI-SB-06-9.6-11	DSI-SB-07-1-2	DSI-SB-07-10.5-11.9	DSI-SB-07-11.9-12.3	DSI-SB-07-3.5-4.5	DSI-SB-07-6.5-7.5	DSI-SB-08-1-2	DSI-SB-08-12-13.3
	Sample Date	3/11/2011	3/11/2011	3/11/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/11/2011	3/11/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268024.88	1268024.88	1268024.88	1267979.72	1267979.72	1267979.72	1267979.72	1267979.72	1268253.10	1268253.10
	Y	204754.84	204754.84	204754.84	204866.56	204866.56	204866.56	204866.56	204866.56	204225.29	204225.29
	Screening Level										
Semivolatile Organics (mg/kg-OC)											
1,2,4-Trichlorobenzene	0.81	0.1691 U	**0.1057 J**	0.4299 U	0.2 U	0.2582 U	0.5134 U	0.2412 U	**0.2479**	**0.113 J**	**0.2051**
1,2-Dichlorobenzene	2.3	0.1691 U	**0.1806 J**	**0.2243 J**	0.0735 U	**0.1044**	0.5134 U	**0.2412**	0.2059 U	**0.3082**	**7.265**
1,3-Dichlorobenzene		0.683 U	0.793 U	1.682 U	0.816 U	1.044 U	2.032 U	0.955 U	0.84 U	0.651 U	0.812 U
1,4-Dichlorobenzene	3.1	0.1691 U	**0.1938 J**	0.1028 U	0.0735 U	0.0934 U	0.5134 U	0.0955 UJ	**0.2983**	**0.113 J**	**1.197 J**
2,2'-Oxybis (1-chloropropane)		--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol		0.683 UJ	**4.405 J**	1.682 UJ	0.816 U	**0.989 J**	2.032 UJ	**0.804 J**	0.84 UJ	0.651 UJ	**0.812 J**
2,4-Dinitrophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene		--	--	--	--	--	--	--	--	--	--
2-Chlorophenol		--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)		0.683 U	0.793 U	1.682 U	0.816 U	1.044 U	2.032 U	0.955 U	0.84 U	0.651 U	0.812 U
2-Nitroaniline		--	--	--	--	--	--	--	--	--	--
2-Nitrophenol		--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine		--	--	--	--	--	--	--	--	--	--
3-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol		--	--	--	--	--	--	--	--	--	--
4-Chloroaniline		--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Methylphenol (p-Cresol)		**0.791**	**1.982**	1.682 U	**1.796**	**3.187**	2.032 U	**1.759**	**1.134**	0.651 U	**1.709**
4-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Nitrophenol		--	--	--	--	--	--	--	--	--	--
Benzoic acid		**2.626 J**	**19.383 J**	16.822 UJ	8.163 U	10.44 U	20.321 UJ	9.548 U	**2.101 J**	6.507 UJ	8.12 UJ
Benzyl alcohol		0.683 UJ	**3.921**	1.682 U	**1.51**	**1.044**	2.032 UJ	**1.608**	0.84 UJ	**1.199**	**1.667**
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether		--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	47	**13.669**	**34.361**	3.178 U	**6.122**	**2.308**	2.032 U	**27.638**	**18.487**	**6.164**	**329.06**
Butylbenzyl phthalate	4.9	**1.043**	0.793 U	1.682 UJ	**0.857**	1.044 U	2.032 U	0.955 U	0.84 U	0.651 U	0.812 U
Diethyl phthalate	61	0.2446 U	**0.1938 J**	**0.2897 J**	0.2163 U	0.2802 U	0.5455 U	0.2613 U	0.2227 U	**0.1884**	**0.2906**
Dimethyl phthalate	53	**0.612 J**	0.793 U	1.682 U	**0.49 J**	1.044 U	2.032 U	0.955 U	0.84 U	**0.685**	0.812 U
Di-n-butyl phthalate	220	**0.3381 J**	0.793 U	1.682 U	0.816 U	1.044 U	2.032 U	**14.07**	**1.008**	0.856 U	0.812 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	58	0.683 U	0.793 U	1.682 U	0.816 U	1.044 U	2.032 U	0.955 U	0.84 U	0.651 U	0.812 U
Hexachlorobenzene	0.38	0.1691 U	0.2026 U	0.09065 U	0.04041 U	0.05385 U	0.5134 U	0.04925 U	0.2059 U	0.0339 U	0.2051 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.1691 U	0.2026 U	0.09065 U	0.04041 U	0.05385 U	0.5134 U	0.04925 U	0.2059 U	0.0339 U	0.2051 U

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSI-SB-06	DSI-SB-06	DSI-SB-06	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-08	DSI-SB-08
		Depth	1 – 2 ft	5 – 6.5 ft	9.6 – 11 ft	1 – 2 ft	10.5 – 11.9 ft	11.9 – 12.3 ft	3.5 – 4.5 ft	6.5 – 7.5 ft	1 – 2 ft	12 – 13.3 ft
		Sample ID	DSI-SB-06-1-2	DSI-SB-06-5-6.5	DSI-SB-06-9.6-11	DSI-SB-07-1-2	DSI-SB-07-10.5-11.9	DSI-SB-07-11.9-12.3	DSI-SB-07-3.5-4.5	DSI-SB-07-6.5-7.5	DSI-SB-08-1-2	DSI-SB-08-12-13.3
		Sample Date	3/11/2011	3/11/2011	3/11/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/11/2011	3/11/2011
		Sample Type	N	N	N	N	N	N	N	N	N	N
		X	1268024.88	1268024.88	1268024.88	1267979.72	1267979.72	1267979.72	1267979.72	1267979.72	1268253.10	1268253.10
		Y	204754.84	204754.84	204754.84	204866.56	204866.56	204866.56	204866.56	204866.56	204225.29	204225.29
	Screening Level											
Hexachlorocyclopentadiene			--	--	--	--	--	--	--	--	--	--
Hexachloroethane			0.683 U	0.793 U	1.682 U	0.816 U	1.044 U	2.032 UJ	0.955 U	0.84 U	0.651 U	0.812 U
Isophorone			--	--	--	--	--	--	--	--	--	--
Nitrobenzene			--	--	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine			--	--	--	1.02 U	1.319 U	--	1.206 U	--	--	--
n-Nitrosodi-n-propylamine			--	--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine	11		0.1691 U	**0.529**	0.4299 U	0.816 U	1.044 U	0.5134 U	0.955 U	**1.05**	**0.1199 J**	**1.282**
Pentachlorophenol			**0.683 J**	**1.806 J**	0.7477 U	1.02 UJ	**2.747 J**	0.8342 U	**4.372 J**	0.42 U	0.411 U	**0.897 J**
Phenol			**7.554**	**4.405**	1.682 U	**1.347**	**4.89**	2.032 U	**6.03**	**2.269**	**0.856**	**3.376**
Semivolatile Organics (µg/kg)												
1,2,4-Trichlorobenzene			4.7 U	**2.4 J**	4.6 U	4.9 U	4.7 U	4.8 U	4.8 U	**5.9**	**3.3 J**	**4.8**
1,2-Dichlorobenzene			4.7 U	**4.1 J**	**2.4 J**	--	--	4.8 U	**4.8**	4.9 U	**9**	**170**
1,3-Dichlorobenzene			19 U	18 U	18 U	20 U	19 U	19 U	19 U	20 U	19 U	19 U
1,4-Dichlorobenzene			4.7 U	**4.4 J**	--	--	--	4.8 U	--	**7.1**	**3.3 J**	**28 J**
2,2'-Oxybis (1-chloropropane)			--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol			--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol			--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol			--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol			--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	29		19 UJ	**100 J**	18 UJ	20 U	**18 J**	19 UJ	**16 J**	20 UJ	19 UJ	**19 J**
2,4-Dinitrophenol			--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene			--	--	--	--	--	--	--	--	--	--
2-Chlorophenol			--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	63		19 U	18 U	18 U	20 U	19 U	19 U	19 U	20 U	19 U	19 U
2-Nitroaniline			--	--	--	--	--	--	--	--	--	--
2-Nitrophenol			--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine			--	--	--	--	--	--	--	--	--	--
3-Nitroaniline			--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenyl ether			--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol			--	--	--	--	--	--	--	--	--	--
4-Chloroaniline			--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether			--	--	--	--	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	270		**22**	**45**	18 U	**44**	**58**	19 U	**35**	**27**	19 U	**40**
4-Nitroaniline			--	--	--	--	--	--	--	--	--	--
4-Nitrophenol			--	--	--	--	--	--	--	--	--	--
Benzoic acid	650		**73 J**	**440 J**	180 UJ	200 U	190 U	190 UJ	190 U	**50 J**	190 UJ	190 UJ
Benzyl alcohol	57		19 UJ	**89**	18 U	**37**	**19**	19 UJ	**32**	20 UJ	**35**	**39**
bis(2-Chloroethoxy)methane			--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether			--	--	--	--	--	--	--	--	--	--

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSI-SB-06	DSI-SB-06	DSI-SB-06	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-08	DSI-SB-08
		Depth	1 – 2 ft	5 – 6.5 ft	9.6 – 11 ft	1 – 2 ft	10.5 – 11.9 ft	11.9 – 12.3 ft	3.5 – 4.5 ft	6.5 – 7.5 ft	1 – 2 ft	12 – 13.3 ft
		Sample ID	DSI-SB-06-1-2	DSI-SB-06-5-6.5	DSI-SB-06-9.6-11	DSI-SB-07-1-2	DSI-SB-07-10.5-11.9	DSI-SB-07-11.9-12.3	DSI-SB-07-3.5-4.5	DSI-SB-07-6.5-7.5	DSI-SB-08-1-2	DSI-SB-08-12-13.3
		Sample Date	3/11/2011	3/11/2011	3/11/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/11/2011	3/11/2011
		Sample Type	N	N	N	N	N	N	N	N	N	N
		X	1268024.88	1268024.88	1268024.88	1267979.72	1267979.72	1267979.72	1267979.72	1267979.72	1268253.10	1268253.10
		Y	204754.84	204754.84	204754.84	204866.56	204866.56	204866.56	204866.56	204866.56	204225.29	204225.29
	Screening Level											
bis(2-Ethylhexyl)phthalate			**380**	**780**	34 U	**150**	**42**	19 U	**550**	**440**	**180**	**7700**
Butylbenzyl phthalate			**29**	18 U	18 UJ	**21**	19 U	19 U	19 U	20 U	19 U	19 U
Diethyl phthalate			6.8 U	**4.4 J**	**3.1 J**	5.3 U	5.1 U	5.1 U	5.2 U	5.3 U	**5.5**	**6.8**
Dimethyl phthalate			**17 J**	18 U	18 U	**12 J**	19 U	19 U	19 U	20 U	**20**	19 U
Di-n-butyl phthalate			**9.4 J**	18 U	18 U	20 U	19 U	19 U	**280**	**24**	25 U	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)			--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate			19 U	18 U	18 U	20 U	19 U	19 U	19 U	20 U	19 U	19 U
Hexachlorobenzene			4.7 U	4.6 U	--	--	--	4.8 U	--	4.9 U	--	4.8 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)			4.7 U	4.6 U	--	--	--	4.8 U	--	4.9 U	--	4.8 U
Hexachlorocyclopentadiene			--	--	--	--	--	--	--	--	--	--
Hexachloroethane			19 U	18 U	18 U	20 U	19 U	19 UJ	19 U	20 U	19 U	19 U
Isophorone			--	--	--	--	--	--	--	--	--	--
Nitrobenzene			--	--	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine			--	--	--	25 U	24 U	--	24 U	--	--	--
n-Nitrosodi-n-propylamine			--	--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine			4.7 U	**12**	4.6 U	20 U	19 U	4.8 U	19 U	**25**	**3.5 J**	**30**
Pentachlorophenol	360		**19 J**	**41 J**	8 U	25 UJ	**50 J**	7.8 U	**87 J**	10 U	12 U	**21 J**
Phenol	420		**210**	**100**	18 U	**33**	**89**	19 U	**120**	**54**	**25**	**79**

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSI-SB-08	DSI-SB-08	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-10	DSI-SB-10
	Depth	4 – 5 ft	7 – 8.7 ft	1 – 2 ft	11 – 12.1 ft	12.1 – 12.6 ft	4.5 – 5.5 ft	8.5 – 10 ft	8.5 – 10 ft	1 – 2 ft	10 – 11 ft
	Sample ID	DSI-SB-08-4-5	DSI-SB-08-7-8.7	DSI-SB-09-1-2	DSI-SB-09-11-12.1	DSI-SB-09-12.1-12.6	DSI-SB-09-4.5-5.5	DSI-SB-09-8.5-10	DSI-SB-59-8.5-10	DSI-SB-10-1-2	DSI-SB-10-10-11
	Sample Date	3/11/2011	3/11/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N	N	N	N	N	FD	N	N
	X	1268253.10	1268253.10	1268195.47	1268195.47	1268195.47	1268195.47	1268195.47	1268195.47	1268117.63	1268117.63
	Y	204225.29	204225.29	204416.39	204416.39	204416.39	204416.39	204416.39	204416.39	204532.11	204532.11
	Screening Level										
Semivolatile Organics (mg/kg-OC)											
1,2,4-Trichlorobenzene	0.81	0.2402 U	**0.6442**	0.2112 U	**0.791 J**	**0.3706**	**2.063**	**0.732**	**0.633**	0.1673 U	1.7736 U
1,2-Dichlorobenzene	2.3	**0.2402**	**3.558**	0.0819 U	**6.78**	**5.059**	**7.937**	**5.854**	**5.063**	0.0676 U	**3.0566**
1,3-Dichlorobenzene		0.98 U	1.827 U	0.862 U	**0.5198 J**	5.647 U	**0.455 J**	4.585 U	6.076 U	0.676 U	7.17 U
1,4-Dichlorobenzene	3.1	0.2402 U	**0.6731 J**	**0.2586**	**2.09**	**1.882**	**1.164**	**1.073**	**1.076**	0.0676 U	0.4528 U
2,2'-Oxybis (1-chloropropane)		--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol		0.98 UJ	1.827 UJ	0.862 U	**3.051**	5.647 UJ	**0.741 J**	4.585 UJ	6.076 UJ	0.676 UJ	7.17 UJ
2,4-Dinitrophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene		--	--	--	--	--	--	--	--	--	--
2-Chlorophenol		--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)		0.98 U	1.827 U	0.862 U	**3.051**	5.647 U	**0.635 J**	4.585 U	6.076 U	0.676 U	7.17 U
2-Nitroaniline		--	--	--	--	--	--	--	--	--	--
2-Nitrophenol		--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine		--	--	--	--	--	--	--	--	--	--
3-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol		--	--	--	--	--	--	--	--	--	--
4-Chloroaniline		--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Methylphenol (p-Cresol)		**1.225**	**3.173**	**2.241**	**19.774**	5.647 U	**2.698**	**4.878**	**4.557 J**	**1.032**	7.17 U
4-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Nitrophenol		--	--	--	--	--	--	--	--	--	--
Benzoic acid		**4.706 J**	18.269 UJ	**14.224**	10.169 U	56.471 U	10.053 U	**7.805 J**	60.759 U	**8.897 J**	71.698 UJ
Benzyl alcohol		0.98 UJ	1.827 U	**6.466**	1.017 U	5.647 UJ	**0.952 J**	4.585 UJ	6.076 UJ	**4.626**	7.17 UJ
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether		--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	47	**20.588**	**192.308**	**18.534**	--	**64.706**	--	38.049 U	36.709 U	**10.676**	7.17 U
Butylbenzyl phthalate	4.9	**1.029**	1.827 U	**1.767**	1.017 U	5.647 U	**1.905**	4.585 U	6.076 U	**0.89 J**	7.17 U
Diethyl phthalate	61	0.2598 U	**3.462**	**0.4181 J**	**1.921**	0.3059 U	**0.3545 J**	0.2488 U	0.5949 U	0.1815 U	1.9245 U
Dimethyl phthalate	53	**0.4853 J**	1.827 U	**0.517 J**	1.017 U	5.647 U	1.005 U	4.585 U	6.076 U	0.676 U	7.17 U
Di-n-butyl phthalate	220	**0.637 J**	2.404 U	**1.164**	1.017 U	5.647 U	**2.011**	4.585 U	6.076 U	4.27 U	7.17 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	58	0.98 U	**7.788**	0.862 U	1.017 U	5.647 U	**4.021**	4.585 U	6.076 U	0.676 U	7.17 U
Hexachlorobenzene	0.38	0.2402 U	0.4615 U	0.04267 U	0.2599 U	0.2824 U	0.254 U	0.2293 U	0.3038 U	0.03452 U	0.36604 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.2402 U	0.4615 U	0.04267 U	0.2599 U	0.2824 U	0.254 U	0.2293 U	0.3038 U	0.03452 U	0.36604 U

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSI-SB-08	DSI-SB-08	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-10	DSI-SB-10
		Depth	4 – 5 ft	7 – 8.7 ft	1 – 2 ft	11 – 12.1 ft	12.1 – 12.6 ft	4.5 – 5.5 ft	8.5 – 10 ft	8.5 – 10 ft	1 – 2 ft	10 – 11 ft
		Sample ID	DSI-SB-08-4-5	DSI-SB-08-7-8.7	DSI-SB-09-1-2	DSI-SB-09-11-12.1	DSI-SB-09-12.1-12.6	DSI-SB-09-4.5-5.5	DSI-SB-09-8.5-10	DSI-SB-59-8.5-10	DSI-SB-10-1-2	DSI-SB-10-10-11
		Sample Date	3/11/2011	3/11/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/14/2011	3/14/2011
		Sample Type	N	N	N	N	N	N	N	FD	N	N
		X	1268253.10	1268253.10	1268195.47	1268195.47	1268195.47	1268195.47	1268195.47	1268195.47	1268117.63	1268117.63
		Y	204225.29	204225.29	204416.39	204416.39	204416.39	204416.39	204416.39	204416.39	204532.11	204532.11
	Screening Level											
Hexachlorocyclopentadiene		--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane		0.98 U	1.827 U	0.862 U	1.017 U	5.647 U	1.005 U	4.585 U	6.076 U	0.676 U	7.17 U
Isophorone		--	--	--	--	--	--	--	--	--	--
Nitrobenzene		--	--	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine		--	--	--	--	--	--	--	--	0.854 U	9.057 U
n-Nitrosodi-n-propylamine		--	--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine	11	0.2402 U	**1.827**	0.2112 U	5.65 U	**5.882**	1.746 U	**1.561**	**2.152**	0.676 U	7.17 UJ
Pentachlorophenol		0.588 U	**6.25 J**	0.905 U	**1.412 J**	**4 J**	**16.402 J**	**8.293**	**7.595 J**	0.463 U	2.9434 U
Phenol		**2.843**	**2.212**	**3.578**	**7.91**	**3.118 J**	**2.169**	**4.829**	**5.127 J**	**1.744**	7.17 U
Semivolatile Organics (µg/kg)												
1,2,4-Trichlorobenzene		4.9 U	**6.7**	4.9 U	**14 J**	**6.3**	**39**	**15**	**10**	4.7 U	4.7 U
1,2-Dichlorobenzene		**4.9**	**37**	--	**120**	**86**	**150**	**120**	**80**	--	**8.1**
1,3-Dichlorobenzene		20 U	19 U	20 U	**9.2 J**	96 U	**8.6 J**	94 U	96 U	19 U	19 U
1,4-Dichlorobenzene		4.9 U	**7 J**	**6**	**37**	**32**	**22**	**22**	**17**	--	--
2,2'-Oxybis (1-chloropropane)		--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	29	20 UJ	19 UJ	20 U	**54**	96 UJ	**14 J**	94 UJ	96 UJ	19 UJ	19 UJ
2,4-Dinitrophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene		--	--	--	--	--	--	--	--	--	--
2-Chlorophenol		--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	63	20 U	19 U	20 U	**54**	96 U	**12 J**	94 U	96 U	19 U	19 U
2-Nitroaniline		--	--	--	--	--	--	--	--	--	--
2-Nitrophenol		--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine		--	--	--	--	--	--	--	--	--	--
3-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol		--	--	--	--	--	--	--	--	--	--
4-Chloroaniline		--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	270	**25**	**33**	**52**	**350**	96 U	**51**	**100**	**72 J**	**29**	19 U
4-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Nitrophenol		--	--	--	--	--	--	--	--	--	--
Benzoic acid	650	**96 J**	190 UJ	**330**	180 U	960 U	190 U	**160 J**	960 U	**250 J**	190 UJ
Benzyl alcohol	57	20 UJ	19 U	**150**	18 U	96 UJ	**18 J**	94 UJ	96 UJ	**130**	19 UJ
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether		--	--	--	--	--	--	--	--	--	--

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSI-SB-08	DSI-SB-08	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-10	DSI-SB-10
	Depth	4 – 5 ft	7 – 8.7 ft	1 – 2 ft	11 – 12.1 ft	12.1 – 12.6 ft	4.5 – 5.5 ft	8.5 – 10 ft	8.5 – 10 ft	1 – 2 ft	10 – 11 ft
	Sample ID	DSI-SB-08-4-5	DSI-SB-08-7-8.7	DSI-SB-09-1-2	DSI-SB-09-11-12.1	DSI-SB-09-12.1-12.6	DSI-SB-09-4.5-5.5	DSI-SB-09-8.5-10	DSI-SB-59-8.5-10	DSI-SB-10-1-2	DSI-SB-10-10-11
	Sample Date	3/11/2011	3/11/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N	N	N	N	N	FD	N	N
	X	1268253.10	1268253.10	1268195.47	1268195.47	1268195.47	1268195.47	1268195.47	1268195.47	1268117.63	1268117.63
	Y	204225.29	204225.29	204416.39	204416.39	204416.39	204416.39	204416.39	204416.39	204532.11	204532.11
	Screening Level										
bis(2-Ethylhexyl)phthalate		**420**	**2000**	**430**	--	**1100**	--	780 U	580 U	**300**	19 U
Butylbenzyl phthalate		**21**	19 U	**41**	18 U	96 U	**36**	94 U	96 U	**25 J**	19 U
Diethyl phthalate		5.3 U	**36**	**9.7 J**	**34**	5.2 U	**6.7 J**	5.1 U	9.4 U	5.1 U	5.1 U
Dimethyl phthalate		**9.9 J**	19 U	**12 J**	18 U	96 U	19 U	94 U	96 U	19 U	19 U
Di-n-butyl phthalate		**13 J**	25 U	**27**	18 U	96 U	**38**	94 U	96 U	120 U	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate		20 U	**81**	20 U	18 U	96 U	**76**	94 U	96 U	19 U	19 U
Hexachlorobenzene		4.9 U	4.8 U	--	4.6 U	4.8 U	4.8 U	4.7 U	4.8 U	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		4.9 U	4.8 U	--	4.6 U	4.8 U	4.8 U	4.7 U	4.8 U	--	--
Hexachlorocyclopentadiene		--	--	--	--	--	--	--	--	--	--
Hexachloroethane		20 U	19 U	20 U	18 U	96 U	19 U	94 U	96 U	19 U	19 U
Isophorone		--	--	--	--	--	--	--	--	--	--
Nitrobenzene		--	--	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine		--	--	--	--	--	--	--	--	24 U	24 U
n-Nitrosodi-n-propylamine		--	--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine		4.9 U	**19**	4.9 U	100 U	**100**	33 U	**32**	**34**	19 U	19 UJ
Pentachlorophenol	360	12 U	**65 J**	21 U	**25 J**	**68 J**	**310 J**	**170**	**120 J**	13 U	7.8 U
Phenol	420	**58**	**23**	**83**	**140**	**53 J**	**41**	**99**	**81 J**	**49**	19 U

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSI-SB-10	DSI-SB-10	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-12	DSI-SB-12	DSI-SB-12	DSI-SB-13
	Depth	5.5 – 7 ft	8.5 – 10 ft	1 – 2 ft	11 – 12.3 ft	11 – 12.3 ft	3.5 – 5 ft	8 – 8.9 ft	1 – 2 ft	3 – 4.3 ft	5.8 – 7.1 ft	1 – 2 ft
	Sample ID	DSI-SB-10-5.5-7	DSI-SB-10-8.5-10	DSI-SB-11-1-2	DSI-SB-11-11-12.3	DSI-SB-61-11-12.3	DSI-SB-11-3.5-5	DSI-SB-11-8-8.9	DSI-SB-12-1-2	DSI-SB-12-3-4.3	DSI-SB-12-5.8-7.1	DSI-SB-13-1-2
	Sample Date	3/14/2011	3/14/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/15/2011	3/15/2011	3/15/2011	3/14/2011
	Sample Type	N	N	N	N	FD	N	N	N	N	N	N
	X	1268117.63	1268117.63	1268162.52	1268162.52	1268162.52	1268162.52	1268162.52	1268029.86	1268029.86	1268029.86	1267934.23
	Y	204532.11	204532.11	204544.00	204544.00	204544.00	204544.00	204544.00	204649.56	204649.56	204649.56	204726.81
	Screening Level											
Semivolatile Organics (mg/kg-OC)												
1,2,4-Trichlorobenzene	0.81	0.3692 U	0.5213 U	0.1311 U	0.4364 U	**0.0972 J**	0.1959 U	**0.585**	0.2286 U	0.3264 U	0.331 U	0.2341 U
1,2-Dichlorobenzene	2.3	**2.077**	**1.702**	**0.0792 J**	**0.2182 J**	**0.2052 J**	0.1959 U	**4.15**	0.0571 U	0.0833 U	0.0845 U	**0.732 J**
1,3-Dichlorobenzene		1.462 U	10.426 U	0.519 U	1.727 U	1.944 U	0.776 U	1.293 U	0.905 U	1.319 U	1.338 U	0.927 U
1,4-Dichlorobenzene	3.1	**0.4615 J**	**0.6277**	**0.1448 J**	**0.2273 J**	0.486 UJ	0.1959 U	**1.02 J**	0.0571 U	0.0833 U	0.0845 U	0.0732 U
2,2'-Oxybis (1-chloropropane)		--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol		--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol		--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol		--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol		1.462 UJ	10.426 UJ	0.519 UJ	1.727 UJ	1.944 UJ	0.776 UJ	1.293 UJ	**0.762 J**	1.319 UJ	1.338 UJ	0.927 UJ
2,4-Dinitrophenol		--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene		--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol		--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)		1.462 U	10.426 U	0.519 U	1.727 U	1.944 U	0.776 U	1.293 U	0.905 U	1.319 U	1.338 U	**0.585 J**
2-Nitroaniline		--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol		--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine		--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline		--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol		--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline		--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol (p-Cresol)		**2.769**	10.426 U	**0.956**	1.727 U	1.944 U	**1.959**	**4.082**	**2.714**	**1.181 J**	**1.831**	**1.366**
4-Nitroaniline		--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol		--	--	--	--	--	--	--	--	--	--	--
Benzoic acid		14.615 UJ	104.255 U	**10.383 J**	17.273 UJ	19.438 UJ	**7.347 J**	12.925 UJ	**4.667 J**	13.194 UJ	13.38 U	9.268 UJ
Benzyl alcohol		1.462 U	10.426 UJ	**6.557**	1.727 U	1.944 U	0.776 UJ	1.293 U	0.905 U	1.319 U	1.338 U	**9.756**
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether		--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	47	**67.692**	**117.021**	**26.776**	**37.273**	7.667 U	**11.429**	**54.422**	**38.095**	**44.444 J**	**0.775 J**	**47.317**
Butylbenzyl phthalate	4.9	**1.692 J**	10.426 U	**11.202**	1.727 U	1.944 U	**0.571 J**	**1.429**	0.905 U	1.319 U	1.338 U	0.927 UJ
Diethyl phthalate	61	0.4 U	0.5638 U	**0.1393**	**0.4364 J**	**2.16**	0.2082 U	**0.2653 J**	0.2476 U	0.3542 U	0.3521 U	**0.3707**
Dimethyl phthalate	53	1.462 U	10.426 U	0.519 U	1.727 U	**1.944**	0.776 U	**1.429**	0.905 U	1.319 U	1.338 U	**0.537 J**
Di-n-butyl phthalate	220	**24.615**	**21.277**	0.519 U	1.727 U	1.944 U	**1.265**	1.701 U	**3.286**	**1.389**	1.338 U	0.927 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	58	1.462 U	10.426 U	0.519 U	1.727 U	1.944 U	0.776 U	1.293 U	0.905 UJ	1.319 UJ	1.338 UJ	0.927 U
Hexachlorobenzene	0.38	0.3692 U	0.5213 U	0.1311 U	0.08909 U	0.10583 U	0.1959 U	0.3197 U	0.04667 U	0.06736 U	0.06761 UJ	0.2341 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.3692 U	0.5213 U	0.1311 U	0.08909 U	0.10583 U	0.1959 U	0.3197 U	0.04667 U	0.06736 U	0.06761 UJ	0.2341 U

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSI-SB-10	DSI-SB-10	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-12	DSI-SB-12	DSI-SB-12	DSI-SB-13
		Depth	5.5 – 7 ft	8.5 – 10 ft	1 – 2 ft	11 – 12.3 ft	11 – 12.3 ft	3.5 – 5 ft	8 – 8.9 ft	1 – 2 ft	3 – 4.3 ft	5.8 – 7.1 ft	1 – 2 ft
		Sample ID	DSI-SB-10-5.5-7	DSI-SB-10-8.5-10	DSI-SB-11-1-2	DSI-SB-11-11-12.3	DSI-SB-61-11-12.3	DSI-SB-11-3.5-5	DSI-SB-11-8-8.9	DSI-SB-12-1-2	DSI-SB-12-3-4.3	DSI-SB-12-5.8-7.1	DSI-SB-13-1-2
		Sample Date	3/14/2011	3/14/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/15/2011	3/15/2011	3/15/2011	3/14/2011
		Sample Type	N	N	N	N	FD	N	N	N	N	N	N
		X	1268117.63	1268117.63	1268162.52	1268162.52	1268162.52	1268162.52	1268162.52	1268029.86	1268029.86	1268029.86	1267934.23
		Y	204532.11	204532.11	204544.00	204544.00	204544.00	204544.00	204544.00	204649.56	204649.56	204649.56	204726.81
	Screening Level												
Hexachlorocyclopentadiene		--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane		1.462 U	10.426 U	0.519 U	1.727 U	1.944 U	0.776 U	1.293 U	0.905 U	1.319 UJ	1.338 U	0.927 U	
Isophorone		--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene		--	--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine		1.846 U	--	--	--	--	--	--	1.143 U	1.667 U	1.62 U	1.171 U	
n-Nitrosodi-n-propylamine		--	--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine	11	1.462 U	**2.447**	0.1311 U	**1.636**	**1.728**	0.1959 U	**2.313**	0.905 U	1.319 U	1.338 U	0.927 U	
Pentachlorophenol		**3 J**	**2.766**	**0.383 J**	0.7727 U	0.9179 U	0.49 U	1.633 UJ	**3.19**	1.111 U	0.6127 U	**3.366 J**	
Phenol		1.462 U	10.426 U	**2.568**	**3.273**	**2.484**	**5.714**	**3.197**	**6.19**	**1.806**	**4.014**	**2.878**	
Semivolatile Organics (µg/kg)													
1,2,4-Trichlorobenzene		4.8 U	4.9 U	4.8 U	4.8 U	**0.9 J**	4.8 U	**8.6**	4.8 U	4.7 U	4.7 U	4.8 U	
1,2-Dichlorobenzene		**27**	**16**	**2.9 J**	**2.4 J**	**1.9 J**	4.8 U	**61**	--	--	--	**15 J**	
1,3-Dichlorobenzene		19 U	98 U	19 U	19 U	18 U	19 U	19 U	19 U	19 U	19 U	19 U	
1,4-Dichlorobenzene		**6 J**	**5.9**	**5.3 J**	**2.5 J**	4.5 UJ	4.8 U	**15 J**	--	--	--	--	
2,2'-Oxybis (1-chloropropane)		--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol		--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol		--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol		--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	29	19 UJ	98 UJ	19 UJ	19 UJ	18 UJ	19 UJ	19 UJ	**16 J**	19 UJ	19 UJ	19 UJ	
2,4-Dinitrophenol		--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene		--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol		--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	63	19 U	98 U	19 U	19 U	18 U	19 U	19 U	19 U	19 U	19 U	**12 J**	
2-Nitroaniline		--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol		--	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine		--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline		--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol		--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline		--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	270	**36**	98 U	**35**	19 U	18 U	**48**	**60**	**57**	**17 J**	**26**	**28**	
4-Nitroaniline		--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol		--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	650	190 UJ	980 U	**380 J**	190 UJ	180 UJ	**180 J**	190 UJ	**98 J**	190 UJ	190 U	190 UJ	
Benzyl alcohol	57	19 U	98 UJ	**240**	19 U	18 U	19 UJ	19 U	19 U	19 U	19 U	**200**	
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether		--	--	--	--	--	--	--	--	--	--	--	--

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSI-SB-10	DSI-SB-10	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-12	DSI-SB-12	DSI-SB-12	DSI-SB-13
	Depth	5.5 – 7 ft	8.5 – 10 ft	1 – 2 ft	11 – 12.3 ft	11 – 12.3 ft	3.5 – 5 ft	8 – 8.9 ft	1 – 2 ft	3 – 4.3 ft	5.8 – 7.1 ft	1 – 2 ft
	Sample ID	DSI-SB-10-5.5-7	DSI-SB-10-8.5-10	DSI-SB-11-1-2	DSI-SB-11-11-12.3	DSI-SB-61-11-12.3	DSI-SB-11-3.5-5	DSI-SB-11-8-8.9	DSI-SB-12-1-2	DSI-SB-12-3-4.3	DSI-SB-12-5.8-7.1	DSI-SB-13-1-2
	Sample Date	3/14/2011	3/14/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/15/2011	3/15/2011	3/15/2011	3/14/2011
	Sample Type	N	N	N	N	FD	N	N	N	N	N	N
	X	1268117.63	1268117.63	1268162.52	1268162.52	1268162.52	1268162.52	1268162.52	1268029.86	1268029.86	1268029.86	1267934.23
	Y	204532.11	204532.11	204544.00	204544.00	204544.00	204544.00	204544.00	204649.56	204649.56	204649.56	204726.81
Screening Level												
bis(2-Ethylhexyl)phthalate		**880**	**1100**	**980**	**410**	71 U	**280**	**800**	**800**	**640 J**	**11 J**	**970**
Butylbenzyl phthalate		**22 J**	98 U	**410**	19 U	18 U	**14 J**	**21**	19 U	19 U	19 U	19 UJ
Diethyl phthalate		5.2 U	5.3 U	**5.1**	**4.8 J**	**20**	5.1 U	**3.9 J**	5.2 U	5.1 U	5 U	**7.6**
Dimethyl phthalate		19 U	98 U	19 U	19 U	**18**	19 U	**21**	19 U	19 U	19 U	**11 J**
Di-n-butyl phthalate		**320**	**200**	19 U	19 U	18 U	**31**	25 U	**69**	**20**	19 U	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate		19 U	98 U	19 U	19 U	18 U	19 U	19 U	19 UJ	19 UJ	19 UJ	19 U
Hexachlorobenzene		4.8 U	4.9 U	4.8 U	--	--	4.8 U	4.7 U	--	--	--	4.8 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		4.8 U	4.9 U	4.8 U	--	--	4.8 U	4.7 U	--	--	--	4.8 U
Hexachlorocyclopentadiene		--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane		19 U	98 U	19 U	19 U	18 U	19 U	19 U	19 U	19 UJ	19 U	19 U
Isophorone		--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene		--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine		24 U	--	--	--	--	--	--	24 U	24 U	23 U	24 U
n-Nitrosodi-n-propylamine		--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine		19 U	**23**	4.8 U	**18**	**16**	4.8 U	**34**	19 U	19 U	19 U	19 U
Pentachlorophenol	360	**39 J**	**26**	**14 J**	8.5 U	8.5 U	12 U	24 UJ	**67**	16 U	8.7 U	**69 J**
Phenol	420	19 U	98 U	**94**	**36**	**23**	**140**	**47**	**130**	**26**	**57**	**59**

Table 7-8d
Subsurface Sediment Results: SVOCs

	Location ID	DSI-SB-13	DSI-SB-13	DSI-SB-14	DSI-SB-14	DSI-SB-15	DSI-SB-15	DSI-SB-16	DSI-SB-16	DSI-SB-17	DSI-SB-17
	Depth	3 – 4.1 ft	4.1 – 5 ft	4 – 5 ft	9 – 10.5 ft	11.5 – 12.5 ft	4 – 5 ft	5 – 6.5 ft	9.2 – 10.7 ft	5 – 6 ft	9.4 – 10.7 ft
	Sample ID	DSI-SB-13-3-4.1	DSI-SB-13-4.1-5	DSI-SB-14-4-5	DSI-SB-14-9-10.5	DSI-SB-15-11.5-12.5	DSI-SB-15-4-5	DSI-SB-16-5-6.5	DSI-SB-16-9.2-10.7	DSI-SB-17-5-6	DSI-SB-17-9.4-10.7
	Sample Date	3/14/2011	3/14/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/16/2011	3/16/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267934.23	1267934.23	1268049.27	1268049.27	1268295.16	1268295.16	1268239.63	1268239.63	1268158.30	1268158.30
	Y	204726.81	204726.81	204899.27	204899.27	204244.97	204244.97	204430.38	204430.38	204671.15	204671.15
	Screening Level										
Semivolatile Organics (mg/kg-OC)											
1,2,4-Trichlorobenzene	0.81	0.2462 U	3.7302 U	0.229 U	0.239 U	0.889 U	0.2162 U	0.2333 U	0.2513 U	0.2319 U	0.21 U
1,2-Dichlorobenzene	2.3	0.0923 U	3.7302 U	0.229 U	**0.3805**	0.889 U	0.2162 U	**0.3476**	0.2513 U	**0.3961**	0.21 U
1,3-Dichlorobenzene		0.974 U	15.079 U	0.935 U	0.976 U	3.511 U	0.856 U	0.952 U	1.016 U	0.918 U	0.868 U
1,4-Dichlorobenzene	3.1	0.0923 U	3.7302 U	0.229 U	0.239 U	0.889 U	0.2162 U	**0.2762**	**0.262**	**0.2754**	0.21 U
2,2'-Oxybis (1-chloropropane)		--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol		--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol		0.974 UJ	15.079 UJ	0.935 UJ	0.976 UJ	3.511 UJ	0.856 UJ	0.952 UJ	1.016 UJ	0.918 UJ	0.868 UJ
2,4-Dinitrophenol		--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene		--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene		--	--	--	--	--	--	--	--	--	--
2-Chlorophenol		--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)		0.974 U	15.079 U	0.935 U	0.976 U	3.511 U	0.856 U	0.952 U	1.016 U	0.918 U	0.868 U
2-Nitroaniline		--	--	--	--	--	--	--	--	--	--
2-Nitrophenol		--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine		--	--	--	--	--	--	--	--	--	--
3-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol		--	--	--	--	--	--	--	--	--	--
4-Chloroaniline		--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether		--	--	--	--	--	--	--	--	--	--
4-Methylphenol (p-Cresol)		**1.59**	15.079 U	**1.215**	**1.561**	3.511 U	**2.477**	**1.571**	**1.711**	**1.498**	**1.553**
4-Nitroaniline		--	--	--	--	--	--	--	--	--	--
4-Nitrophenol		--	--	--	--	--	--	--	--	--	--
Benzoic acid		**16.41 J**	150.794 U	**7.944 J**	9.756 U	35.111 U	**1.577 J**	**1.952 J**	**2.888 J**	**2.609 J**	8.676 U
Benzyl alcohol		**2.154**	15.079 UJ	0.935 UJ	0.976 UJ	3.511 UJ	0.856 UJ	0.952 UJ	1.016 UJ	0.918 UJ	0.868 UJ
bis(2-Chloroethoxy)methane		--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether		--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	47	**34.872**	15.079 U	7.944 U	**19.024**	3.511 U	**9.91**	**29.048**	**37.968**	**29.469**	**10.046**
Butylbenzyl phthalate	4.9	0.974 UJ	15.079 U	**0.841 J**	**1.268**	3.511 U	**0.721 J**	**1.238**	1.016 U	**1.159**	0.868 U
Diethyl phthalate	61	0.2667 U	3.9683 U	0.2477 U	0.2537 U	0.933 U	0.2342 U	0.3429 U	0.3957 U	0.3285 U	0.2329 U
Dimethyl phthalate	53	0.974 U	15.079 U	0.935 U	0.976 U	3.511 U	**0.495 J**	0.952 U	1.016 U	0.918 U	0.868 U
Di-n-butyl phthalate	220	0.974 U	15.079 U	0.935 U	0.976 U	3.511 U	**0.631 J**	0.952 U	1.016 U	0.918 U	0.868 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	58	0.974 U	15.079 U	0.935 U	0.976 U	3.511 U	0.856 U	0.952 U	1.016 U	0.918 U	0.868 U
Hexachlorobenzene	0.38	0.2462 U	3.7302 U	0.229 U	0.239 U	0.889 U	0.2162 U	0.2333 U	0.2513 U	0.2319 U	0.21 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	3.9	0.2462 U	3.7302 U	0.229 U	0.239 U	0.889 U	0.2162 U	0.2333 U	0.2513 U	0.2319 U	0.21 U

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSI-SB-13	DSI-SB-13	DSI-SB-14	DSI-SB-14	DSI-SB-15	DSI-SB-15	DSI-SB-16	DSI-SB-16	DSI-SB-17	DSI-SB-17
		Depth	3 – 4.1 ft	4.1 – 5 ft	4 – 5 ft	9 – 10.5 ft	11.5 – 12.5 ft	4 – 5 ft	5 – 6.5 ft	9.2 – 10.7 ft	5 – 6 ft	9.4 – 10.7 ft
		Sample ID	DSI-SB-13-3-4.1	DSI-SB-13-4.1-5	DSI-SB-14-4-5	DSI-SB-14-9-10.5	DSI-SB-15-11.5-12.5	DSI-SB-15-4-5	DSI-SB-16-5-6.5	DSI-SB-16-9.2-10.7	DSI-SB-17-5-6	DSI-SB-17-9.4-10.7
		Sample Date	3/14/2011	3/14/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/16/2011	3/16/2011
		Sample Type	N	N	N	N	N	N	N	N	N	N
		X	1267934.23	1267934.23	1268049.27	1268049.27	1268295.16	1268295.16	1268239.63	1268239.63	1268158.30	1268158.30
		Y	204726.81	204726.81	204899.27	204899.27	204244.97	204244.97	204430.38	204430.38	204671.15	204671.15
	Screening Level											
Hexachlorocyclopentadiene			--	--	--	--	--	--	--	--	--	--
Hexachloroethane			0.974 U	15.079 U	0.935 U	0.976 U	3.511 U	0.856 U	0.952 U	1.016 U	0.918 U	0.868 U
Isophorone			--	--	--	--	--	--	--	--	--	--
Nitrobenzene			--	--	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine			1.231 U	--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine			--	--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine	11		0.974 U	3.7302 U	0.229 U	**0.3024**	**8**	0.2162 U	**0.3762**	**0.262**	**0.4058**	0.21 U
Pentachlorophenol			**1.795 J**	5.7143 U	0.561 U	**1.854 J**	0.4311 U	1.081 UJ	**1.571 J**	0.588 U	0.531 U	0.502 U
Phenol			**2.974**	15.079 U	**8.411**	**0.976**	3.511 U	**0.901**	**1.238**	**1.176**	**1.401**	**0.685 J**
Semivolatile Organics (µg/kg)												
1,2,4-Trichlorobenzene			4.8 U	4.7 U	4.9 U	4.9 U	20 U	4.8 U	4.9 U	4.7 U	4.8 U	4.6 U
1,2-Dichlorobenzene			--	4.7 U	4.9 U	**7.8**	20 U	4.8 U	**7.3**	4.7 U	**8.2**	4.6 U
1,3-Dichlorobenzene			19 U	19 U	20 U	20 U	79 U	19 U	20 U	19 U	19 U	19 U
1,4-Dichlorobenzene			--	4.7 U	4.9 U	4.9 U	20 U	4.8 U	**5.8**	**4.9**	**5.7**	4.6 U
2,2'-Oxybis (1-chloropropane)			--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol			--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol			--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol			--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol			--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	29		19 UJ	19 UJ	20 UJ	20 UJ	79 UJ	19 UJ	20 UJ	19 UJ	19 UJ	19 UJ
2,4-Dinitrophenol			--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene			--	--	--	--	--	--	--	--	--	--
2-Chlorophenol			--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	63		19 U	19 U	20 U	20 U	79 U	19 U	20 U	19 U	19 U	19 U
2-Nitroaniline			--	--	--	--	--	--	--	--	--	--
2-Nitrophenol			--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine			--	--	--	--	--	--	--	--	--	--
3-Nitroaniline			--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenyl ether			--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol			--	--	--	--	--	--	--	--	--	--
4-Chloroaniline			--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether			--	--	--	--	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	270		**31**	19 U	**26**	**32**	79 U	**55**	**33**	**32**	**31**	**34**
4-Nitroaniline			--	--	--	--	--	--	--	--	--	--
4-Nitrophenol			--	--	--	--	--	--	--	--	--	--
Benzoic acid	650		**320 J**	190 U	**170 J**	200 U	790 U	**35 J**	**41 J**	**54 J**	**54 J**	190 U
Benzyl alcohol	57		**42**	19 UJ	20 UJ	20 UJ	79 UJ	19 UJ	20 UJ	19 UJ	19 UJ	19 UJ
bis(2-Chloroethoxy)methane			--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether			--	--	--	--	--	--	--	--	--	--

Table 7-8d
Subsurface Sediment Results: SVOCs

		Location ID	DSI-SB-13	DSI-SB-13	DSI-SB-14	DSI-SB-14	DSI-SB-15	DSI-SB-15	DSI-SB-16	DSI-SB-16	DSI-SB-17	DSI-SB-17
		Depth	3 – 4.1 ft	4.1 – 5 ft	4 – 5 ft	9 – 10.5 ft	11.5 – 12.5 ft	4 – 5 ft	5 – 6.5 ft	9.2 – 10.7 ft	5 – 6 ft	9.4 – 10.7 ft
		Sample ID	DSI-SB-13-3-4.1	DSI-SB-13-4.1-5	DSI-SB-14-4-5	DSI-SB-14-9-10.5	DSI-SB-15-11.5-12.5	DSI-SB-15-4-5	DSI-SB-16-5-6.5	DSI-SB-16-9.2-10.7	DSI-SB-17-5-6	DSI-SB-17-9.4-10.7
		Sample Date	3/14/2011	3/14/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/16/2011	3/16/2011
		Sample Type	N	N	N	N	N	N	N	N	N	N
		X	1267934.23	1267934.23	1268049.27	1268049.27	1268295.16	1268295.16	1268239.63	1268239.63	1268158.30	1268158.30
		Y	204726.81	204726.81	204899.27	204899.27	204244.97	204244.97	204430.38	204430.38	204671.15	204671.15
	Screening Level											
bis(2-Ethylhexyl)phthalate		**680**	19 U	170 U	**390**	79 U	**220**	**610**	**710**	**610**	**220**
Butylbenzyl phthalate		19 UJ	19 U	**18 J**	**26**	79 U	**16 J**	**26**	19 U	**24**	19 U
Diethyl phthalate		5.2 U	5 U	5.3 U	5.2 U	21 U	5.2 U	7.2 U	7.4 U	6.8 U	5.1 U
Dimethyl phthalate		19 U	19 U	20 U	20 U	79 U	**11 J**	20 U	19 U	19 U	19 U
Di-n-butyl phthalate		19 U	19 U	20 U	20 U	79 U	**14 J**	20 U	19 U	19 U	19 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate		19 U	19 U	20 U	20 U	79 U	19 U	20 U	19 U	19 U	19 U
Hexachlorobenzene		4.8 U	4.7 U	4.9 U	4.9 U	20 U	4.8 U	4.9 U	4.7 U	4.8 U	4.6 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		4.8 U	4.7 U	4.9 U	4.9 U	20 U	4.8 U	4.9 U	4.7 U	4.8 U	4.6 U
Hexachlorocyclopentadiene		--	--	--	--	--	--	--	--	--	--
Hexachloroethane		19 U	19 U	20 U	20 U	79 U	19 U	20 U	19 U	19 U	19 U
Isophorone		--	--	--	--	--	--	--	--	--	--
Nitrobenzene		--	--	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine		24 U	--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine		--	--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine		19 U	4.7 U	4.9 U	**6.2**	**180**	4.8 U	**7.9**	**4.9**	**8.4**	4.6 U
Pentachlorophenol	360	**35 J**	7.2 U	12 U	**38 J**	9.7 U	24 UJ	**33 J**	11 U	11 U	11 U
Phenol	420	**58**	19 U	**180**	**20**	79 U	**20**	**26**	**22**	**29**	**15 J**

Table 7-8d
Subsurface Sediment Results: SVOCs

Notes:
Detected concentration is greater than the sediment screening level
Non-detected concentration is above the sediment screening level
Bold = Detected result
-- = not analyzed
µg/kg = micrograms per kilogram
FD = field duplicate
ft = foot
J = Estimated value
mg/kg-OC = milligrams per kilogram organic carbon nomralized
N = normal sample
R = Rejected
U = Compound analyzed, but not detected above detection limit
UJ = Compound analyzed, but not detected above estimated detection limit

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-05	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312
	Depth	0 – 2 ft	0 – 2 ft	0 – 1.8 ft	0 – 2 ft	0 – 2 ft	10 – 11 ft	2 – 4 ft	4 – 6 ft	4 – 6 ft	6.5 – 8.5 ft
	Sample ID	DSIMR-SB-01-0-2	DSIMR-SB-02-0-2	DSIMR-SB-03-0-1.8	DSIMR-SB-05-0-2	DSIP2-SB-01b-0-2	DSIP2-SB-01b-10-11	DSIP2-SB-01b-2-4	DSIP2-SB-01b-4-6	DSIP2-SB-51B-4-6	DSIP2-SB-01b-6.5-8.5
	Sample Date	7/23/2013	7/24/2013	7/24/2013	7/23/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N
	X	1268066.22	1268066.94	1268069.67	1268029.81	1268348.79	1268348.79	1268348.79	1268348.79	1268348.79	1268348.79
	Y	204393.09	204421.57	204454.65	204601.34	204095.62	204095.62	204095.62	204095.62	204095.62	204095.62
	Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,1,1-Trichloroethane		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,1,2,2-Tetrachloroethane		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		1.5 U	1.6 U	2.5 U	1.9 U	3.6 U	2.5 U	3.4 U	3.5 U	3.7 U	3.2 U
1,1,2-Trichloroethane		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,1-Dichloroethane		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,1-Dichloroethene		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,1-Dichloropropene		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,2,3-Trichlorobenzene		3.7 U	4 U	6.3 U	4.8 U	9 U	6.2 U	8.5 U	8.8 U	9.3 U	8.1 U
1,2,3-Trichloropropane		1.5 U	1.6 U	2.5 U	1.9 U	3.6 U	2.5 U	3.4 U	3.5 U	3.7 U	3.2 U
1,2,4-Trichlorobenzene		--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,2-Dibromo-3-chloropropane		3.7 U	4 U	6.3 U	4.8 U	9 U	6.2 U	8.5 U	8.8 U	9.3 U	8.1 U
1,2-Dichlorobenzene		--	--	--	--	1.8 U	1.2 U	1.7 U	1.8 U	--	--
1,2-Dichloroethane		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,2-Dichloroethene, cis-		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,2-Dichloroethene, trans-		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,2-Dichloropropane		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,3,5-Trimethylbenzene (Mesitylene)		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,3-Dichloropropane		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,3-Dichloropropene, cis-		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,3-Dichloropropene, trans-		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
1,4-Dichloro-2-butene, trans-		3.7 U	4 U	6.3 U	4.8 U	9 U	6.2 U	8.5 U	8.8 U	9.3 U	8.1 U
1,4-Dichlorobenzene		--	--	--	--	--	1.2 U	--	--	--	--
2,2-Dichloropropane		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
2-Chloroethylvinyl ether		3.7 U	4 U	6.3 U	4.8 U	9 U	6.2 U	8.5 U	8.8 U	9.3 U	8.1 U
2-Chlorotoluene		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
2-Hexanone (Methyl butyl ketone)		3.7 U	4 U	6.3 U	4.8 U	9 U	6.2 U	8.5 U	8.8 U	9.3 U	8.1 U
4-Chlorotoluene		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		**5.1**	4 U	6.3 U	4.8 U	9 U	6.2 U	8.5 U	8.8 U	9.3 U	8.1 U
Acetone		**69**	**92**	**16**	**15**	**87 J**	**88 J**	**160 J**	**130 J**	**100 J**	**95 J**
Acrolein		37 U	40 U	63 U	48 U	90 U	62 U	85 U	88 U	93 U	81 U
Acrylonitrile		3.7 U	4 U	6.3 U	4.8 U	9 U	6.2 U	8.5 U	8.8 U	9.3 U	8.1 U
Benzene		**0.94 J**	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Bromobenzene		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Bromochloromethane		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Bromodichloromethane		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Bromoform (Tribromomethane)		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Bromomethane (Methyl bromide)		0.7 U	**3.6**	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Carbon disulfide		**5.9**	**14**	1.3 U	**4.6**	**4.8**	**7.5**	**13**	**7.3**	**5.6**	**3.6**
Carbon tetrachloride (Tetrachloromethane)		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Chlorobenzene		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Chloroethane		0.7 U	**1**	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Chloroform		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Chloromethane		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Cymene, p- (4-Isopropyltoluene)		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Dibromochloromethane		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-05	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312
	Depth	0 – 2 ft	0 – 2 ft	0 – 1.8 ft	0 – 2 ft	0 – 2 ft	10 – 11 ft	2 – 4 ft	4 – 6 ft	4 – 6 ft	6.5 – 8.5 ft
	Sample ID	DSIMR-SB-01-0-2	DSIMR-SB-02-0-2	DSIMR-SB-03-0-1.8	DSIMR-SB-05-0-2	DSIP2-SB-01b-0-2	DSIP2-SB-01b-10-11	DSIP2-SB-01b-2-4	DSIP2-SB-01b-4-6	DSIP2-SB-51B-4-6	DSIP2-SB-01b-6.5-8.5
	Sample Date	7/23/2013	7/24/2013	7/24/2013	7/23/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N
	X	1268066.22	1268066.94	1268069.67	1268029.81	1268348.79	1268348.79	1268348.79	1268348.79	1268348.79	1268348.79
	Y	204393.09	204421.57	204454.65	204601.34	204095.62	204095.62	204095.62	204095.62	204095.62	204095.62
	Screening Level										
Dibromomethane		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Dichlorodifluoromethane		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Dichloromethane (Methylene chloride)		**1.6**	**1.7**	**3.1**	**3.8**	3.6 U	2.5 U	3.4 U	3.5 U	3.7 U	3.2 U
Ethyl bromide (Bromoethane)		1.5 U	1.6 U	2.5 U	1.9 U	3.6 U	2.5 U	3.4 U	3.5 U	3.7 U	3.2 U
Ethylbenzene		**2.3**	0.8 U	**2.5**	**0.27 J**	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	**1.1 J**
Ethylene dibromide (1,2-Dibromoethane)		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Isopropylbenzene (Cumene)		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
m,p-Xylene		**2.6**	0.8 U	**11**	**0.86 J**	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Methyl ethyl ketone (2-Butanone)		**12**	4 U	6.3 U	4.8 U	**26**	**21**	**41**	**32**	**24**	**22**
Methyl iodide (Iodomethane)		0.7 U	**5.5 J**	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Methyl tert-butyl ether (MTBE)		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
n-Butylbenzene		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
n-Propylbenzene		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
o-Xylene		**1.6**	0.8 U	**16**	**1.2**	**2.5 J**	**1.2 J**	**3.4**	**3.3**	**3.6**	**6.6**
sec-Butylbenzene		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Styrene		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
tert-Butylbenzene		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Tetrachloroethene (PCE)		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Toluene		**17**	**16**	**23**	**14**	**5.8**	**2.3**	**3.9**	**10**	**6.5**	**4.4**
Trichloroethene (TCE)		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Trichlorofluoromethane (Fluorotrichloromethane)		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U
Vinyl acetate		3.7 UJ	4 UJ	6.3 UJ	4.8 UJ	9 UJ	6.2 UJ	8.5 UJ	8.8 UJ	9.3 UJ	8.1 UJ
Vinyl chloride		0.7 U	0.8 U	1.3 U	1 U	1.8 U	1.2 U	1.7 U	1.8 U	1.9 U	1.6 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312
	Depth	0 – 2 ft	2 – 4 ft	4 – 6 ft	6.7 – 8.7 ft	9.5 – 11.3 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9.5 – 11.5 ft
	Sample ID	DSIP2-SB-02-0-2	DSIP2-SB-02-2-4	DSIP2-SB-02-4-6	DSIP2-SB-02-6.7-8.7	DSIP2-SB-02-9.5-11.3	DSIP2-SB-03-0-2	DSIP2-SB-03-2-4	DSIP2-SB-03-4-6	DSIP2-SB-03-6-8	DSIP2-SB-03-9.5-11.5
	Sample Date	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268373.50	1268373.50	1268373.50	1268373.50	1268373.50	1268353.78	1268353.78	1268353.78	1268353.78	1268353.78
	Y	204254.08	204254.08	204254.08	204254.08	204254.08	204333.70	204333.70	204333.70	204333.70	204333.70
	Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,1,1-Trichloroethane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,1,2,2-Tetrachloroethane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		3.2 U	3.5 U	3.2 U	3 U	2.4 U	3.3 U	3.6 U	3.1 U	3.3 U	2.6 U
1,1,2-Trichloroethane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,1-Dichloroethane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,1-Dichloroethene		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,1-Dichloropropene		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,2,3-Trichlorobenzene		8 U	8.7 U	8.1 U	7.5 U	5.9 UJ	8.2 U	8.9 U	7.8 U	8.2 U	6.4 U
1,2,3-Trichloropropane		3.2 U	3.5 U	3.2 U	3 U	2.4 U	3.3 U	3.6 U	3.1 U	3.3 U	2.6 U
1,2,4-Trichlorobenzene		--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,2-Dibromo-3-chloropropane		8 U	8.7 U	8.1 U	7.5 U	5.9 U	8.2 U	8.9 U	7.8 U	8.2 U	6.4 U
1,2-Dichlorobenzene		1.6 U	--	--	1.5 U	1.2 U	1.6 U	1.8 U	--	--	1.3 U
1,2-Dichloroethane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,2-Dichloroethene, cis-		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,2-Dichloroethene, trans-		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,2-Dichloropropane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,3,5-Trimethylbenzene (Mesitylene)		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,3-Dichloropropane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,3-Dichloropropene, cis-		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,3-Dichloropropene, trans-		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
1,4-Dichloro-2-butene, trans-		8 UJ	8.7 UJ	8.1 UJ	7.5 UJ	5.9 UJ	8.2 UJ	8.9 UJ	7.8 UJ	8.2 UJ	6.4 UJ
1,4-Dichlorobenzene		--	--	--	--	1.2 U	--	--	--	--	1.3 U
2,2-Dichloropropane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
2-Chloroethylvinyl ether		8 UJ	8.7 UJ	8.1 UJ	7.5 UJ	5.9 UJ	8.2 UJ	8.9 UJ	7.8 UJ	8.2 UJ	6.4 UJ
2-Chlorotoluene		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
2-Hexanone (Methyl butyl ketone)		8 U	8.7 U	8.1 U	7.5 U	5.9 U	8.2 U	8.9 U	7.8 U	8.2 U	6.4 U
4-Chlorotoluene		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		8 U	8.7 U	8.1 U	7.5 U	5.9 U	8.2 U	8.9 U	7.8 U	8.2 U	6.4 U
Acetone		**42 J**	**91 J**	**57 J**	**57 J**	**52 J**	**91 J**	**62 J**	**87 J**	**96 J**	**28 J**
Acrolein		80 U	87 U	81 U	75 U	**-- R**	82 U	89 U	78 U	82 U	64 U
Acrylonitrile		8 U	8.7 U	8.1 U	7.5 U	5.9 U	8.2 U	8.9 U	7.8 U	8.2 U	6.4 U
Benzene		**1.8 J**	**1.8 J**	**1.4 J**	**1 J**	**0.8 J**	**1.3 J**	**1.4 J**	**1.6 J**	**1.4 J**	**0.76 J**
Bromobenzene		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Bromochloromethane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Bromodichloromethane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Bromoform (Tribromomethane)		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Bromomethane (Methyl bromide)		1.6 UJ	1.7 UJ	1.6 UJ	1.5 UJ	1.2 UJ	1.6 UJ	1.8 UJ	1.6 UJ	1.6 UJ	1.3 UJ
Carbon disulfide		1.6 U	**1 J**	1.6 U	**1.2 J**	**3.6**	**1.7**	**1.7 J**	**2.3**	**2.3**	**1.6**
Carbon tetrachloride (Tetrachloromethane)		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Chlorobenzene		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Chloroethane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Chloroform		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Chloromethane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Cymene, p- (4-Isopropyltoluene)		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Dibromochloromethane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312
	Depth	0 – 2 ft	2 – 4 ft	4 – 6 ft	6.7 – 8.7 ft	9.5 – 11.3 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9.5 – 11.5 ft
	Sample ID	DSIP2-SB-02-0-2	DSIP2-SB-02-2-4	DSIP2-SB-02-4-6	DSIP2-SB-02-6.7-8.7	DSIP2-SB-02-9.5-11.3	DSIP2-SB-03-0-2	DSIP2-SB-03-2-4	DSIP2-SB-03-4-6	DSIP2-SB-03-6-8	DSIP2-SB-03-9.5-11.5
	Sample Date	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268373.50	1268373.50	1268373.50	1268373.50	1268373.50	1268353.78	1268353.78	1268353.78	1268353.78	1268353.78
	Y	204254.08	204254.08	204254.08	204254.08	204254.08	204333.70	204333.70	204333.70	204333.70	204333.70
	Screening Level										
Dibromomethane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Dichlorodifluoromethane		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Dichloromethane (Methylene chloride)		3.2 U	**1.8 J**	3.2 U	3 U	**21**	3.3 U	3.6 U	3.1 U	**2.2 J**	**7.8**
Ethyl bromide (Bromoethane)		3.2 U	3.5 U	3.2 U	3 U	2.4 U	3.3 U	3.6 U	3.1 U	3.3 U	2.6 U
Ethylbenzene		**2.1 J**	**2.2 J**	**1.4 J**	**0.94 J**	1.2 U	**1.5 J**	1.8 U	**1.3 J**	1.6 U	1.3 U
Ethylene dibromide (1,2-Dibromoethane)		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Isopropylbenzene (Cumene)		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
m,p-Xylene		**5.4**	**6.4**	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Methyl ethyl ketone (2-Butanone)		**11**	**19**	**15**	**16**	**9**	**24**	**13**	**21**	**25**	**5 J**
Methyl iodide (Iodomethane)		1.6 U	1.7 U	1.6 U	1.5 U	1.2 UJ	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Methyl tert-butyl ether (MTBE)		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
n-Butylbenzene		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
n-Propylbenzene		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
o-Xylene		**4.4**	**4.8**	**2.8**	**1.6 J**	**0.74 J**	**2.4**	**2.4 J**	**4.6**	**1.6 J**	**0.72 J**
sec-Butylbenzene		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Styrene		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
tert-Butylbenzene		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Tetrachloroethene (PCE)		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Toluene		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Trichloroethene (TCE)		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Trichlorofluoromethane (Fluorotrichloromethane)		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U
Vinyl acetate		8 UJ	8.7 UJ	8.1 UJ	7.5 UJ	**-- R**	8.2 UJ	8.9 UJ	7.8 UJ	8.2 UJ	6.4 UJ
Vinyl chloride		1.6 U	1.7 U	1.6 U	1.5 U	1.2 U	1.6 U	1.8 U	1.6 U	1.6 U	1.3 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312
	Depth	0 – 2 ft	2 – 4 ft	5 – 7 ft	7.5 – 9.5 ft	7.5 – 9.5 ft	9.5 – 11.5 ft	0 – 2 ft	0 – 2 ft	10 – 12 ft	4 – 6 ft
	Sample ID	DSIP2-SB-04-0-2	DSIP2-SB-04-2-4	DSIP2-SB-04-5-7	DSIP2-SB-04-7.5-9.5	DSIP2-SB-54-7.5-9.5	DSIP2-SB-04-9.5-11.5	DSIP2-SB-05-0-2	DSIP2-SB-05-2-4	DSIP2-SB-05-10-12	DSIP2-SB-05-4-6
	Sample Date	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013
	Sample Type	N	N	N	N	FD	N	N	N	N	N
	X	1268312.94	1268312.94	1268312.94	1268312.94	1268312.94	1268312.94	1268262.71	1268262.71	1268262.71	1268262.71
	Y	204461.82	204461.82	204461.82	204461.82	204461.82	204461.82	204583.57	204583.57	204583.57	204583.57
	Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,1,1-Trichloroethane		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,1,2,2-Tetrachloroethane		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		3.3 U	3.7 U	2.7 U	2.4 U	2.6 U	2.3 U	3.5 U	3.4 U	2.2 U	3.1 U
1,1,2-Trichloroethane		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,1-Dichloroethane		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,1-Dichloroethene		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,1-Dichloropropene		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,2,3-Trichlorobenzene		8.3 U	9.2 U	6.8 UJ	5.9 U	6.4 U	5.8 U	8.7 U	8.4 U	5.4 U	7.6 U
1,2,3-Trichloropropane		3.3 U	3.7 U	2.7 U	2.4 U	2.6 U	2.3 U	3.5 U	3.4 U	2.2 U	3.1 U
1,2,4-Trichlorobenzene		--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,2-Dibromo-3-chloropropane		8.3 U	9.2 U	6.8 UJ	5.9 U	6.4 U	5.8 U	8.7 U	8.4 U	5.4 U	7.6 U
1,2-Dichlorobenzene		1.7 U	--	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	--	1.1 U	1.5 U
1,2-Dichloroethane		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,2-Dichloroethene, cis-		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,2-Dichloroethene, trans-		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,2-Dichloropropane		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,3,5-Trimethylbenzene (Mesitylene)		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,3-Dichloropropane		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,3-Dichloropropene, cis-		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,3-Dichloropropene, trans-		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
1,4-Dichloro-2-butene, trans-		8.3 U	9.2 U	**-- R**	5.9 U	6.4 U	5.8 U	8.7 UJ	8.4 UJ	5.4 U	7.6 UJ
1,4-Dichlorobenzene		--	--	--	1.2 U	1.3 U	1.2 U	--	--	1.1 U	--
2,2-Dichloropropane		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
2-Chloroethylvinyl ether		8.3 UJ	9.2 UJ	6.8 UJ	5.9 UJ	6.4 UJ	5.8 UJ	8.7 UJ	8.4 UJ	5.4 UJ	7.6 UJ
2-Chlorotoluene		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
2-Hexanone (Methyl butyl ketone)		8.3 U	9.2 U	6.8 U	5.9 U	6.4 U	5.8 U	8.7 U	8.4 U	5.4 U	7.6 U
4-Chlorotoluene		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		8.3 U	9.2 U	6.8 U	5.9 U	6.4 U	5.8 U	8.7 U	8.4 U	5.4 U	7.6 U
Acetone		**130 J**	**96 J**	**100 J**	**23 J**	**31 J**	**25 J**	**61 J**	**36 J**	**31 J**	**130 J**
Acrolein		83 U	92 U	**-- R**	59 U	64 U	58 U	87 U	84 U	54 U	76 U
Acrylonitrile		8.3 U	9.2 U	6.8 U	5.9 U	6.4 U	5.8 U	8.7 U	8.4 U	5.4 U	7.6 U
Benzene		1.7 U	**1.6 J**	**1 J**	1.2 U	**1.3 J**	1.2 U	**1.3 J**	1.7 U	**0.72 J**	**1.9 J**
Bromobenzene		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Bromochloromethane		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Bromodichloromethane		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Bromoform (Tribromomethane)		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Bromomethane (Methyl bromide)		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 UJ	1.7 UJ	1.1 U	1.5 UJ
Carbon disulfide		**1.5 J**	**1.8 J**	**2.7**	**1 J**	**2.2**	**0.7 J**	1.7 U	**1.9**	**0.8 J**	**3.4**
Carbon tetrachloride (Tetrachloromethane)		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Chlorobenzene		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Chloroethane		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Chloroform		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Chloromethane		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Cymene, p- (4-Isopropyltoluene)		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Dibromochloromethane		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312
	Depth	0 – 2 ft	2 – 4 ft	5 – 7 ft	7.5 – 9.5 ft	7.5 – 9.5 ft	9.5 – 11.5 ft	0 – 2 ft	0 – 2 ft	10 – 12 ft	4 – 6 ft
	Sample ID	DSIP2-SB-04-0-2	DSIP2-SB-04-2-4	DSIP2-SB-04-5-7	DSIP2-SB-04-7.5-9.5	DSIP2-SB-54-7.5-9.5	DSIP2-SB-04-9.5-11.5	DSIP2-SB-05-0-2	DSIP2-SB-05-2-4	DSIP2-SB-05-10-12	DSIP2-SB-05-4-6
	Sample Date	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013
	Sample Type	N	N	N	N	FD	N	N	N	N	N
	X	1268312.94	1268312.94	1268312.94	1268312.94	1268312.94	1268312.94	1268262.71	1268262.71	1268262.71	1268262.71
	Y	204461.82	204461.82	204461.82	204461.82	204461.82	204461.82	204583.57	204583.57	204583.57	204583.57
	Screening Level										
Dibromomethane		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Dichlorodifluoromethane		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Dichloromethane (Methylene chloride)		3.3 U	3.7 U	2.7 U	**3.4**	**3.8**	2.3 U	3.5 U	3.4 U	**3.5**	**5**
Ethyl bromide (Bromoethane)		3.3 U	3.7 U	2.7 U	2.4 U	2.6 U	2.3 U	3.5 U	3.4 U	2.2 U	3.1 U
Ethylbenzene		**1.4 J**	**1.6 J**	**1.2 J**	1.2 U	1.3 U	1.2 U	1.7 U	**1.2 J**	1.1 U	**1.4 J**
Ethylene dibromide (1,2-Dibromoethane)		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Isopropylbenzene (Cumene)		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
m,p-Xylene		1.7 U	1.8 U	**5**	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Methyl ethyl ketone (2-Butanone)		**28**	**21**	**24**	5.9 U	**6.5**	**5.7 J**	**18**	**9.5**	**5.2 J**	**32**
Methyl iodide (Iodomethane)		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Methyl tert-butyl ether (MTBE)		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
n-Butylbenzene		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
n-Propylbenzene		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
o-Xylene		**3.6**	**4.2**	**3.2**	1.2 U	**0.8 J**	**0.85 J**	**2.1 J**	**3.2**	**0.71 J**	**2.7**
sec-Butylbenzene		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Styrene		1.7 U	1.8 U	1.4 UJ	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
tert-Butylbenzene		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Tetrachloroethene (PCE)		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Toluene		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Trichloroethene (TCE)		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Trichlorofluoromethane (Fluorotrichloromethane)		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U
Vinyl acetate		8.3 UJ	9.2 UJ	**-- R**	5.9 UJ	6.4 UJ	5.8 UJ	8.7 UJ	8.4 UJ	5.4 UJ	7.6 UJ
Vinyl chloride		1.7 U	1.8 U	1.4 U	1.2 U	1.3 U	1.2 U	1.7 U	1.7 U	1.1 U	1.5 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIP2-SB-05_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312
	Depth	6.7 – 8.7 ft	0 – 2 ft	2 – 4 ft	2 – 4 ft	5 – 7 ft	8 – 10 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft
	Sample ID	DSIP2-SB-05-6.7-8.7	DSIP2-SB-06-0-2	DSIP2-SB-06-2-4	DSIP2-SB-56-2-4	DSIP2-SB-06-5-7	DSIP2-SB-06-8-10	DSIP2-SB-07-0-2	DSIP2-SB-07-2-4	DSIP2-SB-07-4.5-6.5	DSIP2-SB-07-7-9
	Sample Date	12/13/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	FD	N	N	N	N	N	N
	X	1268262.71	1268218.43	1268218.43	1268218.43	1268218.43	1268218.43	1268157.39	1268157.39	1268157.39	1268157.39
	Y	204583.57	204716.63	204716.63	204716.63	204716.63	204716.63	204828.25	204828.25	204828.25	204828.25
	Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,1,1-Trichloroethane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,1,2,2-Tetrachloroethane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		2.6 U	3.3 U	3.2 U	3.7 U	2.7 U	2.6 U	3.2 U	3 U	2.5 U	2.2 U
1,1,2-Trichloroethane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,1-Dichloroethane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,1-Dichloroethene		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,1-Dichloropropene		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,2,3-Trichlorobenzene		6.5 U	8.4 U	7.9 U	9.2 U	6.8 U	6.4 UJ	8 U	7.5 U	6.4 U	5.6 U
1,2,3-Trichloropropane		2.6 U	3.3 U	3.2 U	3.7 U	2.7 U	2.6 U	3.2 U	3 U	2.5 U	2.2 U
1,2,4-Trichlorobenzene		--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,2-Dibromo-3-chloropropane		6.5 U	8.4 U	7.9 U	9.2 U	6.8 U	6.4 U	8 U	7.5 U	6.4 U	5.6 U
1,2-Dichlorobenzene		1.3 U	1.7 U	1.6 U	--	1.4 U	1.3 U	1.6 U	--	1.3 U	1.1 U
1,2-Dichloroethane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,2-Dichloroethene, cis-		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,2-Dichloroethene, trans-		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,2-Dichloropropane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,3,5-Trimethylbenzene (Mesitylene)		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,3-Dichloropropane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,3-Dichloropropene, cis-		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,3-Dichloropropene, trans-		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
1,4-Dichloro-2-butene, trans-		6.5 U	8.4 U	7.9 U	9.2 U	6.8 U	6.4 UJ	8 U	7.5 U	6.4 U	5.6 U
1,4-Dichlorobenzene		1.3 U	--	--	--	--	1.3 U	--	--	1.3 U	1.1 U
2,2-Dichloropropane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
2-Chloroethylvinyl ether		6.5 UJ	8.4 U	7.9 U	9.2 U	6.8 U	6.4 U	8 UJ	7.5 UJ	6.4 UJ	5.6 UJ
2-Chlorotoluene		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
2-Hexanone (Methyl butyl ketone)		6.5 U	8.4 U	7.9 U	9.2 U	6.8 U	6.4 U	8 U	7.5 U	6.4 U	5.6 U
4-Chlorotoluene		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		6.5 U	8.4 U	7.9 U	9.2 U	6.8 U	6.4 U	8 U	7.5 U	6.4 U	5.6 U
Acetone		**43 J**	**77 J**	**60 J**	**120 J**	**47 J**	**42 J**	**49 J**	**46 J**	**35 J**	**22 J**
Acrolein		65 U	84 U	79 U	92 U	68 U	**-- R**	80 U	75 U	64 U	56 U
Acrylonitrile		6.5 U	8.4 U	7.9 U	9.2 U	6.8 U	6.4 U	8 U	7.5 U	6.4 U	5.6 U
Benzene		**1.1 J**	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	**0.77 J**	1.1 U
Bromobenzene		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Bromochloromethane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Bromodichloromethane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Bromoform (Tribromomethane)		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Bromomethane (Methyl bromide)		1.3 U	1.7 UJ	1.6 UJ	1.8 UJ	1.4 UJ	1.3 UJ	1.6 U	1.5 U	1.3 U	1.1 U
Carbon disulfide		1.3 U	**2.1**	**2**	**3.7**	**2.3**	**1.5**	**1.5 J**	**2.2**	**5.2**	**4.9**
Carbon tetrachloride (Tetrachloromethane)		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Chlorobenzene		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Chloroethane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Chloroform		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Chloromethane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Cymene, p- (4-Isopropyltoluene)		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Dibromochloromethane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIP2-SB-05_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312
	Depth	6.7 – 8.7 ft	0 – 2 ft	2 – 4 ft	2 – 4 ft	5 – 7 ft	8 – 10 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft
	Sample ID	DSIP2-SB-05-6.7-8.7	DSIP2-SB-06-0-2	DSIP2-SB-06-2-4	DSIP2-SB-56-2-4	DSIP2-SB-06-5-7	DSIP2-SB-06-8-10	DSIP2-SB-07-0-2	DSIP2-SB-07-2-4	DSIP2-SB-07-4.5-6.5	DSIP2-SB-07-7-9
	Sample Date	12/13/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	FD	N	N	N	N	N	N
	X	1268262.71	1268218.43	1268218.43	1268218.43	1268218.43	1268218.43	1268157.39	1268157.39	1268157.39	1268157.39
	Y	204583.57	204716.63	204716.63	204716.63	204716.63	204716.63	204828.25	204828.25	204828.25	204828.25
	Screening Level										
Dibromomethane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Dichlorodifluoromethane		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Dichloromethane (Methylene chloride)		2.6 U	3.3 U	3.2 U	**1.4 J**	2.7 U	**11**	3.2 U	3 U	2.5 U	**2.3**
Ethyl bromide (Bromoethane)		2.6 U	3.3 U	3.2 U	3.7 U	2.7 U	2.6 U	3.2 U	3 U	2.5 U	2.2 U
Ethylbenzene		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	**1.7 J**	**1.3 J**	1.3 U	1.1 U
Ethylene dibromide (1,2-Dibromoethane)		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Isopropylbenzene (Cumene)		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
m,p-Xylene		1.3 U	1.7 U	1.6 U	1.8 U	**2.1 J**	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Methyl ethyl ketone (2-Butanone)		**11**	**21**	**12**	**25**	**12**	**10**	**14**	**10**	**6.9**	**3.2 J**
Methyl iodide (Iodomethane)		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 UJ	1.6 U	1.5 U	1.3 U	1.1 U
Methyl tert-butyl ether (MTBE)		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
n-Butylbenzene		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
n-Propylbenzene		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
o-Xylene		**0.95 J**	**1.7 J**	**1.6 J**	1.8 U	**1.9 J**	1.3 U	**3.4**	**2.8**	**1.2 J**	**0.89 J**
sec-Butylbenzene		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Styrene		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
tert-Butylbenzene		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Tetrachloroethene (PCE)		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Toluene		1.3 U	**3.9**	**5**	**5**	**3.4**	**2.6**	1.6 U	1.5 U	1.3 U	1.1 U
Trichloroethene (TCE)		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Trichlorofluoromethane (Fluorotrichloromethane)		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U
Vinyl acetate		6.5 UJ	8.4 UJ	7.9 UJ	9.2 UJ	6.8 UJ	**-- R**	8 UJ	7.5 UJ	6.4 UJ	5.6 UJ
Vinyl chloride		1.3 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.5 U	1.3 U	1.1 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIP2-SB-07_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312
	Depth	9 – 11 ft	0 – 2 ft	2.5 – 4.5 ft	4.5 – 6.5 ft	6.5 – 8.5 ft	8.5 – 10.4 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft
	Sample ID	DSIP2-SB-07-9-11	DSIP2-SB-08-0-2	DSIP2-SB-08-2.5-4.5	DSIP2-SB-08-4.5-6.5	DSIP2-SB-08-6.5-8.5	DSIP2-SB-08-8.5-10.4	DSIP2-SB-09-0-2	DSIP2-SB-09-2-4	DSIP2-SB-09-4-6	DSIP2-SB-09-6-8
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268157.39	1268132.63	1268132.63	1268132.63	1268132.63	1268132.63	1268064.60	1268064.60	1268064.60	1268064.60
	Y	204828.25	204932.41	204932.41	204932.41	204932.41	204932.41	205002.51	205002.51	205002.51	205002.51
	Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,1,1-Trichloroethane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,1,2,2-Tetrachloroethane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		2.4 U	3 U	3.7 U	3.1 U	3.3 U	2.9 U	3.7 U	3.7 U	3.4 U	3.4 U
1,1,2-Trichloroethane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,1-Dichloroethane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,1-Dichloroethene		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,1-Dichloropropene		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,2,3-Trichlorobenzene		6 U	7.6 U	9.2 U	7.7 U	8.3 U	7.4 U	9.2 U	9.2 U	8.5 U	8.4 U
1,2,3-Trichloropropane		2.4 U	3 U	3.7 U	3.1 U	3.3 U	2.9 U	3.7 U	3.7 U	3.4 U	3.4 U
1,2,4-Trichlorobenzene		--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,2-Dibromo-3-chloropropane		6 U	7.6 U	9.2 U	7.7 U	8.3 U	7.4 U	9.2 U	9.2 U	8.5 U	8.4 U
1,2-Dichlorobenzene		1.2 U	1.5 U	1.8 U	--	1.7 U	1.5 U	1.8 U	1.8 U	--	1.7 U
1,2-Dichloroethane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,2-Dichloroethene, cis-		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,2-Dichloroethene, trans-		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,2-Dichloropropane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,3,5-Trimethylbenzene (Mesitylene)		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,3-Dichloropropane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,3-Dichloropropene, cis-		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,3-Dichloropropene, trans-		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
1,4-Dichloro-2-butene, trans-		6 U	7.6 U	9.2 U	7.7 U	8.3 U	7.4 U	9.2 U	9.2 U	8.5 U	8.4 U
1,4-Dichlorobenzene		1.2 U	--	--	--	--	1.5 U	--	--	--	--
2,2-Dichloropropane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
2-Chloroethylvinyl ether		6 UJ	7.6 UJ	9.2 UJ	7.7 UJ	8.3 UJ	7.4 UJ	9.2 U	9.2 U	8.5 U	8.4 U
2-Chlorotoluene		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
2-Hexanone (Methyl butyl ketone)		6 U	7.6 U	9.2 U	7.7 U	8.3 U	7.4 U	9.2 U	9.2 U	8.5 U	8.4 U
4-Chlorotoluene		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		6 U	7.6 U	9.2 U	7.7 U	8.3 U	7.4 U	9.2 U	9.2 U	8.5 U	8.4 U
Acetone		6 U	**80 J**	**35 J**	**57 J**	**77 J**	**56 J**	**49 J**	**53 J**	**48 J**	**31 J**
Acrolein		60 U	76 U	92 U	77 U	83 U	74 U	92 U	92 U	85 U	84 U
Acrylonitrile		6 U	7.6 U	9.2 U	7.7 U	8.3 U	7.4 U	9.2 U	9.2 U	8.5 U	8.4 U
Benzene		1.2 U	1.5 U	1.8 U	**2.7**	**5**	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Bromobenzene		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Bromochloromethane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Bromodichloromethane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Bromoform (Tribromomethane)		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Bromomethane (Methyl bromide)		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Carbon disulfide		**4.7**	**3.2**	**4**	**2.6**	**4.1**	**1.4 J**	1.8 U	**1.5 J**	**1.9**	1.7 U
Carbon tetrachloride (Tetrachloromethane)		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Chlorobenzene		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Chloroethane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Chloroform		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Chloromethane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Cymene, p- (4-Isopropyltoluene)		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Dibromochloromethane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIP2-SB-07_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312
	Depth	9 – 11 ft	0 – 2 ft	2.5 – 4.5 ft	4.5 – 6.5 ft	6.5 – 8.5 ft	8.5 – 10.4 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft
	Sample ID	DSIP2-SB-07-9-11	DSIP2-SB-08-0-2	DSIP2-SB-08-2.5-4.5	DSIP2-SB-08-4.5-6.5	DSIP2-SB-08-6.5-8.5	DSIP2-SB-08-8.5-10.4	DSIP2-SB-09-0-2	DSIP2-SB-09-2-4	DSIP2-SB-09-4-6	DSIP2-SB-09-6-8
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268157.39	1268132.63	1268132.63	1268132.63	1268132.63	1268132.63	1268064.60	1268064.60	1268064.60	1268064.60
	Y	204828.25	204932.41	204932.41	204932.41	204932.41	204932.41	205002.51	205002.51	205002.51	205002.51
	Screening Level										
Dibromomethane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Dichlorodifluoromethane		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Dichloromethane (Methylene chloride)		**1.4 J**	3 U	3.7 U	3.1 U	3.3 U	2.9 U	3.7 U	3.7 U	3.4 U	3.4 U
Ethyl bromide (Bromoethane)		2.4 U	3 U	3.7 U	3.1 U	3.3 U	2.9 U	3.7 UJ	3.7 UJ	3.4 UJ	3.4 UJ
Ethylbenzene		1.2 U	**1.5 J**	1.8 U	**5**	**1.5 J**	1.5 U	**1.5 J**	1.8 U	1.7 U	1.7 U
Ethylene dibromide (1,2-Dibromoethane)		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Isopropylbenzene (Cumene)		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
m,p-Xylene		1.2 U	**4.3 J**	**3.4 J**	**22**	**2.9 J**	**2.4 J**	**3.6 J**	1.8 U	1.7 U	1.7 U
Methyl ethyl ketone (2-Butanone)		6 U	**20**	**7.1 J**	**16**	**19**	**14**	**14**	**10**	**12**	**6.8 J**
Methyl iodide (Iodomethane)		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Methyl tert-butyl ether (MTBE)		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
n-Butylbenzene		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
n-Propylbenzene		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
o-Xylene		1.2 U	**3**	**3**	**15**	**1.9 J**	**1.3 J**	**2.5 J**	**2 J**	**1.8 J**	**2.1 J**
sec-Butylbenzene		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Styrene		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
tert-Butylbenzene		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Tetrachloroethene (PCE)		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Toluene		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Trichloroethene (TCE)		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Trichlorofluoromethane (Fluorotrichloromethane)		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U
Vinyl acetate		6 UJ	7.6 UJ	9.2 UJ	7.7 UJ	8.3 UJ	7.4 UJ	9.2 UJ	9.2 UJ	8.5 UJ	8.4 UJ
Vinyl chloride		1.2 U	1.5 U	1.8 U	1.5 U	1.7 U	1.5 U	1.8 U	1.8 U	1.7 U	1.7 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIP2-SB-09_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312
	Depth	8.3 – 10.3 ft	0.5 – 2.5 ft	11.3 – 12.9 ft	2.5 – 4.5 ft	6 – 8 ft	9 – 11 ft	0 – 2 ft	10 – 12 ft	2 – 4 ft	4 – 6 ft
	Sample ID	DSIP2-SB-09-8.3-10.3	DSIP2-SB-10-0.5-2.5	DSIP2-SB-10-11.3-12.9	DSIP2-SB-10-2.5-4.5	DSIP2-SB-10-6-8	DSIP2-SB-10-9-11	DSIP2-SB-11-0-2	DSIP2-SB-11-10-12	DSIP2-SB-11-2-4	DSIP2-SB-11-4-6
	Sample Date	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268064.60	1268039.90	1268039.90	1268039.90	1268039.90	1268039.90	1267949.10	1267949.10	1267949.10	1267949.10
	Y	205002.51	205120.11	205120.11	205120.11	205120.11	205120.11	205009.33	205009.33	205009.33	205009.33
	Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
1,1,1-Trichloroethane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
1,1,2,2-Tetrachloroethane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		2.8 U	3.2 U	2.2 U	3.5 U	2.9 U	2.8 U	3.8 U	2.6 U	2.7 U	3.2 U
1,1,2-Trichloroethane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
1,1-Dichloroethane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
1,1-Dichloroethene		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
1,1-Dichloropropene		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
1,2,3-Trichlorobenzene		7.1 U	7.9 U	5.6 U	8.9 U	7.4 U	6.9 U	9.5 U	6.4 U	6.8 U	8 U
1,2,3-Trichloropropane		2.8 U	3.2 U	2.2 U	3.5 U	2.9 U	2.8 U	3.8 U	2.6 U	2.7 U	3.2 U
1,2,4-Trichlorobenzene		--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	**3.1**	1.6 U
1,2-Dibromo-3-chloropropane		7.1 U	7.9 U	5.6 U	8.9 U	7.4 U	6.9 U	9.5 U	6.4 U	6.8 U	8 U
1,2-Dichlorobenzene		1.4 U	--	1.1 U	--	--	1.4 U	--	1.3 U	--	1.6 U
1,2-Dichloroethane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
1,2-Dichloroethene, cis-		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
1,2-Dichloroethene, trans-		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
1,2-Dichloropropane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
1,3,5-Trimethylbenzene (Mesitylene)		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	**1.6**	1.6 U
1,3-Dichloropropane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
1,3-Dichloropropene, cis-		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
1,3-Dichloropropene, trans-		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
1,4-Dichloro-2-butene, trans-		7.1 U	7.9 U	5.6 U	8.9 U	7.4 U	6.9 U	9.5 U	6.4 U	6.8 U	8 U
1,4-Dichlorobenzene		1.4 U	--	1.1 U	--	--	1.4 U	--	1.3 U	--	--
2,2-Dichloropropane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
2-Chloroethylvinyl ether		7.1 U	7.9 U	5.6 U	8.9 U	7.4 U	6.9 U	9.5 U	6.4 U	6.8 U	8 U
2-Chlorotoluene		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
2-Hexanone (Methyl butyl ketone)		7.1 U	7.9 U	5.6 U	8.9 U	7.4 U	6.9 U	9.5 U	6.4 U	6.8 U	8 U
4-Chlorotoluene		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		7.1 U	7.9 U	5.6 U	8.9 U	7.4 U	6.9 U	9.5 U	6.4 U	6.8 U	8 U
Acetone		**38 J**	**78 J**	**33 J**	**80 J**	**72 J**	**50 J**	**41 J**	**15 J**	**56 J**	**57 J**
Acrolein		71 U	79 U	56 U	89 U	74 U	69 U	95 U	64 U	68 U	80 U
Acrylonitrile		7.1 U	7.9 U	5.6 U	8.9 U	7.4 U	6.9 U	9.5 U	6.4 U	6.8 U	8 U
Benzene		1.4 U	1.6 U	1.1 U	1.8 U	**3.4**	1.4 U	1.9 U	1.3 U	**1.4 J**	**1.2 J**
Bromobenzene		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Bromochloromethane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Bromodichloromethane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Bromoform (Tribromomethane)		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Bromomethane (Methyl bromide)		1.4 U	1.6 UJ	1.1 UJ	1.8 UJ	1.5 UJ	1.4 UJ	1.9 U	1.3 U	1.4 U	1.6 U
Carbon disulfide		1.4 U	**7.6**	**2.6**	**2.3**	**3**	**1.4**	**2.4**	**1.5**	**2.8**	**3.2**
Carbon tetrachloride (Tetrachloromethane)		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Chlorobenzene		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Chloroethane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Chloroform		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Chloromethane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Cymene, p- (4-Isopropyltoluene)		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Dibromochloromethane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIP2-SB-09_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312
	Depth	8.3 – 10.3 ft	0.5 – 2.5 ft	11.3 – 12.9 ft	2.5 – 4.5 ft	6 – 8 ft	9 – 11 ft	0 – 2 ft	10 – 12 ft	2 – 4 ft	4 – 6 ft
	Sample ID	DSIP2-SB-09-8.3-10.3	DSIP2-SB-10-0.5-2.5	DSIP2-SB-10-11.3-12.9	DSIP2-SB-10-2.5-4.5	DSIP2-SB-10-6-8	DSIP2-SB-10-9-11	DSIP2-SB-11-0-2	DSIP2-SB-11-10-12	DSIP2-SB-11-2-4	DSIP2-SB-11-4-6
	Sample Date	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268064.60	1268039.90	1268039.90	1268039.90	1268039.90	1268039.90	1267949.10	1267949.10	1267949.10	1267949.10
	Y	205002.51	205120.11	205120.11	205120.11	205120.11	205120.11	205009.33	205009.33	205009.33	205009.33
	Screening Level										
Dibromomethane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Dichlorodifluoromethane		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Dichloromethane (Methylene chloride)		2.8 U	3.2 U	2.2 U	3.5 U	2.9 U	2.8 U	3.8 U	2.6 U	2.7 U	3.2 U
Ethyl bromide (Bromoethane)		2.8 UJ	3.2 U	2.2 U	3.5 U	2.9 U	2.8 U	3.8 UJ	2.6 UJ	2.7 UJ	3.2 UJ
Ethylbenzene		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	**5.1**	**1.5 J**
Ethylene dibromide (1,2-Dibromoethane)		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Isopropylbenzene (Cumene)		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	**0.7 J**	1.6 U
m,p-Xylene		1.4 U	**3.3 J**	1.1 U	1.8 U	1.5 U	1.4 U	**3.6 J**	1.3 U	**11**	**3 J**
Methyl ethyl ketone (2-Butanone)		**9.2**	**16**	**6.5**	**15**	**19**	**12**	**7.9 J**	6.4 U	**13**	**14**
Methyl iodide (Iodomethane)		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Methyl tert-butyl ether (MTBE)		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
n-Butylbenzene		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
n-Propylbenzene		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	**0.7 J**	1.6 U
o-Xylene		**0.96 J**	**2.9**	1.1 U	**1.7 J**	**1.5 J**	1.4 U	**4.9**	1.3 U	**18**	**4.9**
sec-Butylbenzene		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Styrene		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
tert-Butylbenzene		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Tetrachloroethene (PCE)		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Toluene		1.4 U	**5.2**	1.1 U	1.8 U	**5.6**	**2.9**	1.9 U	1.3 U	1.4 U	1.6 U
Trichloroethene (TCE)		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Trichlorofluoromethane (Fluorotrichloromethane)		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U
Vinyl acetate		7.1 UJ	7.9 UJ	5.6 UJ	8.9 UJ	7.4 U	6.9 UJ	9.5 UJ	6.4 UJ	6.8 UJ	8 UJ
Vinyl chloride		1.4 U	1.6 U	1.1 U	1.8 U	1.5 U	1.4 U	1.9 U	1.3 U	1.4 U	1.6 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIP2-SB-11_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312
	Depth	6.3 – 8.3 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	6.5 – 8.5 ft	6.5 – 8.5 ft	8.5 – 10.3 ft	0.3 –2.3 ft	2.3 – 4.3 ft	5 – 7.5 ft
	Sample ID	DSIP2-SB-11-6.3-8.3	DSIP2-SB-12-0-2	DSIP2-SB-12-2-4	DSIP2-SB-12-4.5-6.5	DSIP2-SB-12-6.5-8.5	DSIP2-SB-62-6.5-8.5	DSIP2-SB-12-8.5-10.3	DSIP2-SB-14-0.3-2.3	DSIP2-SB-14-2.3-4.3	DSIP2-SB-14-5-7.5
	Sample Date	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013
	Sample Type	N	N	N	N	N	FD	N	N	N	N
	X	1267949.10	1268085.51	1268085.51	1268085.51	1268085.51	1268085.51	1268085.51	1268107.89	1268107.89	1268107.89
	Y	205009.33	204804.91	204804.91	204804.91	204804.91	204804.91	204804.91	204304.40	204304.40	204304.40
	Screening Level										
Volatile Organics (µg/kg)											
1,1,1,2-Tetrachloroethane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
1,1,1-Trichloroethane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
1,1,2,2-Tetrachloroethane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		2.8 U	4 U	3.2 U	3.2 U	3.6 U	3.6 U	2.2 U	4.3 U	3.5 U	2.4 U
1,1,2-Trichloroethane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
1,1-Dichloroethane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
1,1-Dichloroethene		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
1,1-Dichloropropene		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
1,2,3-Trichlorobenzene		7.1 U	10 U	8 U	8.1 U	9 U	9 U	5.4 U	11 U	8.7 U	6 U
1,2,3-Trichloropropane		2.8 U	4 U	3.2 U	3.2 U	3.6 U	3.6 U	2.2 U	4.3 U	3.5 U	2.4 U
1,2,4-Trichlorobenzene		--	--	--	--	--	9 U	--	11 U	8.7 U	--
1,2,4-Trimethylbenzene		**4.2**	2 U	**0.8 J**	1.6 U	**2.3**	**5.6**	1.1 U	2.1 U	1.7 U	1.2 U
1,2-Dibromo-3-chloropropane		7.1 U	10 U	8 U	8.1 U	9 U	9 U	5.4 U	11 U	8.7 U	6 U
1,2-Dichlorobenzene		1.4 U	2 U	--	--	--	--	1.1 U	2.1 U	--	1.2 U
1,2-Dichloroethane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
1,2-Dichloroethene, cis-		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
1,2-Dichloroethene, trans-		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
1,2-Dichloropropane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
1,3,5-Trimethylbenzene (Mesitylene)		1.4 U	2 U	1.6 U	1.6 U	**1.5 J**	**4.4**	1.1 U	2.1 U	1.7 U	1.2 U
1,3-Dichloropropane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
1,3-Dichloropropene, cis-		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
1,3-Dichloropropene, trans-		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
1,4-Dichloro-2-butene, trans-		7.1 U	10 U	8 U	8.1 U	9 U	9 U	5.4 U	11 U	8.7 U	6 U
1,4-Dichlorobenzene		--	--	--	--	--	--	1.1 U	2.1 U	--	1.2 U
2,2-Dichloropropane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
2-Chloroethylvinyl ether		7.1 U	10 U	8 U	8.1 U	9 U	9 U	5.4 U	11 U	8.7 U	6 U
2-Chlorotoluene		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
2-Hexanone (Methyl butyl ketone)		7.1 U	10 U	8 U	8.1 U	9 U	9 U	5.4 U	11 U	8.7 U	6 U
4-Chlorotoluene		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		7.1 U	10 U	8 U	8.1 U	9 U	9 U	5.4 U	11 U	8.7 U	6 U
Acetone		**59 J**	**63 J**	**57 J**	**66 J**	**140 J**	**72 J**	**21 J**	**120 J**	**81 J**	6 U
Acrolein		71 U	100 U	80 U	81 U	90 U	90 U	54 U	110 U	87 U	60 U
Acrylonitrile		7.1 U	10 U	8 U	8.1 U	9 U	9 U	5.4 U	11 U	8.7 U	6 U
Benzene		**2 J**	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Bromobenzene		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Bromochloromethane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Bromodichloromethane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Bromoform (Tribromomethane)		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Bromomethane (Methyl bromide)		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Carbon disulfide		**2.5**	2 U	**1.3 J**	**2.9**	**2.8**	**2.7**	**1.8**	**4.5**	**8.3**	**12**
Carbon tetrachloride (Tetrachloromethane)		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Chlorobenzene		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Chloroethane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Chloroform		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Chloromethane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Cymene, p- (4-Isopropyltoluene)		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Dibromochloromethane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIP2-SB-11_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312
	Depth	6.3 – 8.3 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	6.5 – 8.5 ft	6.5 – 8.5 ft	8.5 – 10.3 ft	0.3 –-2.3 ft	2.3 – 4.3 ft	5 – 7.5 ft
	Sample ID	DSIP2-SB-11-6.3-8.3	DSIP2-SB-12-0-2	DSIP2-SB-12-2-4	DSIP2-SB-12-4.5-6.5	DSIP2-SB-12-6.5-8.5	DSIP2-SB-62-6.5-8.5	DSIP2-SB-12-8.5-10.3	DSIP2-SB-14-0.3-2.3	DSIP2-SB-14-2.3-4.3	DSIP2-SB-14-5-7.5
	Sample Date	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013
	Sample Type	N	N	N	N	N	FD	N	N	N	N
	X	1267949.10	1268085.51	1268085.51	1268085.51	1268085.51	1268085.51	1268085.51	1268107.89	1268107.89	1268107.89
	Y	205009.33	204804.91	204804.91	204804.91	204804.91	204804.91	204804.91	204304.40	204304.40	204304.40
	Screening Level										
Dibromomethane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Dichlorodifluoromethane		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Dichloromethane (Methylene chloride)		2.8 U	4 U	3.2 U	3.2 U	3.6 U	3.6 U	2.2 U	4.3 U	3.5 U	2.4 U
Ethyl bromide (Bromoethane)		2.8 UJ	4 U	3.2 U	3.2 U	3.6 U	3.6 U	2.2 U	4.3 U	3.5 U	2.4 U
Ethylbenzene		**30**	2 U	**2.4 J**	**2 J**	**5.5**	**5.8**	1.1 U	2.1 U	1.7 U	1.2 U
Ethylene dibromide (1,2-Dibromoethane)		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Isopropylbenzene (Cumene)		**1.1 J**	2 U	1.6 U	1.6 U	1.8 U	**1.6 J**	1.1 U	2.1 U	1.7 U	1.2 U
m,p-Xylene		**25**	2 U	**4 J**	**5.5**	**21**	**23**	1.1 U	2.1 U	**3.7 J**	1.2 U
Methyl ethyl ketone (2-Butanone)		**15**	**9.7 J**	**12**	**10**	**31**	**17**	5.4 U	**29**	**16**	6 U
Methyl iodide (Iodomethane)		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Methyl tert-butyl ether (MTBE)		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
n-Butylbenzene		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
n-Propylbenzene		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
o-Xylene		**30**	**1.9 J**	**4.2**	**7.2**	**18**	**19**	**1.6**	**3.1**	**4.8**	1.2 U
sec-Butylbenzene		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Styrene		1.4 U	2 UJ	1.6 UJ	1.6 UJ	1.8 UJ	1.8 UJ	1.1 UJ	2.1 UJ	1.7 UJ	1.2 UJ
tert-Butylbenzene		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Tetrachloroethene (PCE)		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Toluene		1.4 U	**4.7**	**5.9**	**4.6**	**7.9**	**8.3**	**3.2**	**5.5**	**4.5**	1.2 U
Trichloroethene (TCE)		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Trichlorofluoromethane (Fluorotrichloromethane)		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U
Vinyl acetate		7.1 UJ	10 U	8 U	8.1 U	9 U	9 U	5.4 U	11 U	8.7 U	6 U
Vinyl chloride		1.4 U	2 U	1.6 U	1.6 U	1.8 U	1.8 U	1.1 U	2.1 U	1.7 U	1.2 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIP2-SB-14_1312	DSI-SB-01	DSI-SB-01	DSI-SB-01	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-04	DSI-SB-04
	Depth	8 – 10 ft	1 – 2 ft	2 – 3.1 ft	5 – 6 ft	1 – 2.3 ft	3.7 – 5.2 ft	8.5 – 10 ft	1 – 2 ft	5.8 – 7 ft	9.5 – 10.4 ft	1 – 2 ft	4 – 5 ft
	Sample ID	DSIP2-SB-14-8-10	DSI-SB-01-1-2	DSI-SB-01-2-3.1	DSI-SB-01-5-6	DSI-SB-02-1-2.3	DSI-SB-02-3.7-5.2	DSI-SB-02-8.5-10	DSI-SB-03-1-2	DSI-SB-03-5.8-7	DSI-SB-03-9.5-10.4	DSI-SB-04-1-2	DSI-SB-04-4-5
	Sample Date	12/17/2013	3/10/2011	3/10/2011	3/10/2011	3/11/2011	3/11/2011	3/11/2011	3/14/2011	3/14/2011	3/14/2011	3/9/2011	3/9/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1268107.89	1268042.69	1268042.69	1268042.69	1268229.03	1268229.03	1268229.03	1268175.77	1268175.77	1268175.77	1268149.81	1268149.81
	Y	204304.40	204252.04	204252.04	204252.04	204122.15	204122.15	204122.15	204299.56	204299.56	204299.56	204408.42	204408.42
	Screening Level												
Volatile Organics (µg/kg)													
1,1,1,2-Tetrachloroethane		1.3 U	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 U	1.8 U
1,1,2,2-Tetrachloroethane		1.3 U	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		2.5 U	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 UJ	1.8 U
1,1-Dichloroethane		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 U	1.8 U
1,1-Dichloroethene		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 U	1.8 U
1,1-Dichloropropene		1.3 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene		6.3 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane		2.5 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene		--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene		1.3 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane		6.3 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	--	--	1.9 U	1.2 U	1.3 U	1.8 UJ	--
1,2-Dichloroethane		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 U	1.8 U
1,2-Dichloroethene, cis-		1.3 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethene, trans-		1.3 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane		1.3 U	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene (Mesitylene)		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 UJ	1.8 U
1,3-Dichloropropane		1.3 U	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropene, cis-		1.3 U	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropene, trans-		1.3 U	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichloro-2-butene, trans-		6.3 U	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene		1.3 U	1.7 U	1.3 U	1.2 U	--	--	1.1 U	1.9 U	1.2 U	1.3 U	1.8 UJ	--
2,2-Dichloropropane		1.3 U	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether		6.3 U	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene		1.3 U	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone (Methyl butyl ketone)		6.3 U	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene		1.3 U	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)		6.3 U	--	--	--	--	--	--	--	--	--	--	--
Acetone		**19 J**	**59**	**99**	**17**	**82**	**54**	**25**	**130**	**72**	**37**	**110 J**	**320**
Acrolein		63 U	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile		6.3 U	--	--	--	--	--	--	--	--	--	--	--
Benzene		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 U	1.8 U
Bromobenzene		1.3 U	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane		1.3 U	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane		1.3 U	--	--	--	--	--	--	--	--	--	--	--
Bromoform (Tribromomethane)		1.3 U	--	--	--	--	--	--	--	--	--	--	--
Bromomethane (Methyl bromide)		1.3 U	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide		**8.3**	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 U	1.8 U
Chlorobenzene		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 UJ	1.8 U
Chloroethane		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 U	1.8 U
Chloroform		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 U	1.8 U
Chloromethane		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 U	1.8 U
Cymene, p- (4-Isopropyltoluene)		1.3 U	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane		1.3 U	--	--	--	--	--	--	--	--	--	--	--

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSIP2-SB-14_1312	DSI-SB-01	DSI-SB-01	DSI-SB-01	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-04	DSI-SB-04
	Depth	8 – 10 ft	1 – 2 ft	2 – 3.1 ft	5 – 6 ft	1 – 2.3 ft	3.7 – 5.2 ft	8.5 – 10 ft	1 – 2 ft	5.8 – 7 ft	9.5 – 10.4 ft	1 – 2 ft	4 – 5 ft
	Sample ID	DSIP2-SB-14-8-10	DSI-SB-01-1-2	DSI-SB-01-2-3.1	DSI-SB-01-5-6	DSI-SB-02-1-2.3	DSI-SB-02-3.7-5.2	DSI-SB-02-8.5-10	DSI-SB-03-1-2	DSI-SB-03-5.8-7	DSI-SB-03-9.5-10.4	DSI-SB-04-1-2	DSI-SB-04-4-5
	Sample Date	12/17/2013	3/10/2011	3/10/2011	3/10/2011	3/11/2011	3/11/2011	3/11/2011	3/14/2011	3/14/2011	3/14/2011	3/9/2011	3/9/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1268107.89	1268042.69	1268042.69	1268042.69	1268229.03	1268229.03	1268229.03	1268175.77	1268175.77	1268175.77	1268149.81	1268149.81
	Y	204304.40	204252.04	204252.04	204252.04	204122.15	204122.15	204122.15	204299.56	204299.56	204299.56	204408.42	204408.42
Screening Level													
Dibromomethane		1.3 U	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane		1.3 U	--	--	--	--	--	--	--	--	--	--	--
Dichloromethane (Methylene chloride)		2.5 U	3.5 U	2.7 U	2.4 U	3.9 U	2.9 U	**22**	3.7 U	2.4 U	2.6 U	3.7 U	**3.9**
Ethyl bromide (Bromoethane)		2.5 U	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 U	1.8 U
Ethylene dibromide (1,2-Dibromoethane)		1.3 U	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)		1.3 U	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 U	1.8 U
Methyl ethyl ketone (2-Butanone)		6.3 U	--	--	--	--	--	--	--	--	--	--	--
Methyl iodide (Iodomethane)		1.3 U	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)		1.3 U	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene		1.3 U	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene		1.3 U	--	--	--	--	--	--	--	--	--	--	--
o-Xylene		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 UJ	1.8 U
sec-Butylbenzene		1.3 U	--	--	--	--	--	--	--	--	--	--	--
Styrene		1.3 UJ	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 UJ	1.8 U
tert-Butylbenzene		1.3 U	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene (PCE)		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 U	1.8 U
Toluene		**3.2**	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 U	1.8 U
Trichloroethene (TCE)		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 U	1.8 U
Trichlorofluoromethane (Fluorotrichloromethane)		1.3 U	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate		6.3 U	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride		1.3 U	1.7 U	1.3 U	1.2 U	1.9 U	1.5 U	1.1 U	1.9 U	1.2 U	1.3 U	1.8 U	1.8 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSI-SB-04	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-06	DSI-SB-06	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-08	DSI-SB-08
	Depth	7 – 8.3 ft	1 – 2 ft	6 – 7 ft	8 – 9.3 ft	5 – 6.5 ft	9.6 – 11 ft	1 – 2 ft	10.5 – 11.9 ft	3.5 – 4.5 ft	1 – 2 ft	12 – 13.3 ft
	Sample ID	DSI-SB-04-7-8.3	DSI-SB-05-1-2	DSI-SB-05-6-7	DSI-SB-05-8-9.3	DSI-SB-06-5-6.5	DSI-SB-06-9.6-11	DSI-SB-07-1-2	DSI-SB-07-10.5-11.9	DSI-SB-07-3.5-4.5	DSI-SB-08-1-2	DSI-SB-08-12-13.3
	Sample Date	3/9/2011	3/10/2011	3/10/2011	3/10/2011	3/11/2011	3/11/2011	3/9/2011	3/9/2011	3/9/2011	3/11/2011	3/11/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N
	X	1268149.81	1268087.01	1268087.01	1268087.01	1268024.88	1268024.88	1267979.72	1267979.72	1267979.72	1268253.10	1268253.10
	Y	204408.42	204645.92	204645.92	204645.92	204754.84	204754.84	204866.56	204866.56	204866.56	204225.29	204225.29
	Screening Level											
Volatile Organics (µg/kg)												
1,1,1,2-Tetrachloroethane		--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	1.7 U	1.9 U	1.7 U	1.5 U
1,1,2,2-Tetrachloroethane		--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	1.7 U	1.9 U	1.7 U	1.5 U
1,1-Dichloroethane		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	1.7 U	1.9 U	1.7 U	1.5 U
1,1-Dichloroethene		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	1.7 U	1.9 U	1.7 U	1.5 U
1,1-Dichloropropene		--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene		--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane		--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene		--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene		--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane		--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene		--	1.8 U	--	--	--	--	1.8 U	**1.9**	--	--	--
1,2-Dichloroethane		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	1.7 U	1.9 U	1.7 U	1.5 U
1,2-Dichloroethene, cis-		--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethene, trans-		--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane		--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene (Mesitylene)		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	**47**	**32 J**	1.7 U	1.5 U
1,3-Dichloropropane		--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropene, cis-		--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropene, trans-		--	--	--	--	--	--	--	--	--	--	--
1,4-Dichloro-2-butene, trans-		--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene		--	1.8 U	--	--	--	1.1 U	1.8 U	1.7 U	1.9 UJ	--	--
2,2-Dichloropropane		--	--	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether		--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene		--	--	--	--	--	--	--	--	--	--	--
2-Hexanone (Methyl butyl ketone)		--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene		--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)		--	--	--	--	--	--	--	--	--	--	--
Acetone		**130**	**55**	**100**	**50**	**150**	**64**	**68**	**76**	**320**	**160**	**53**
Acrolein		--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile		--	--	--	--	--	--	--	--	--	--	--
Benzene		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	1.7 U	1.9 U	1.7 U	1.5 U
Bromobenzene		--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane		--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane		--	--	--	--	--	--	--	--	--	--	--
Bromoform (Tribromomethane)		--	--	--	--	--	--	--	--	--	--	--
Bromomethane (Methyl bromide)		--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide		--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	1.7 U	1.9 U	1.7 U	1.5 U
Chlorobenzene		1.4 U	1.8 U	**6.2**	1.3 U	1.7 U	1.1 U	1.8 U	1.7 U	1.9 U	1.7 U	**98**
Chloroethane		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	1.7 U	1.9 U	1.7 U	1.5 U
Chloroform		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	1.7 U	1.9 U	1.7 U	1.5 U
Chloromethane		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	1.7 U	1.9 U	1.7 U	1.5 U
Cymene, p- (4-Isopropyltoluene)		--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane		--	--	--	--	--	--	--	--	--	--	--

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSI-SB-04	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-06	DSI-SB-06	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-08	DSI-SB-08
	Depth	7 – 8.3 ft	1 – 2 ft	6 – 7 ft	8 – 9.3 ft	5 – 6.5 ft	9.6 – 11 ft	1 – 2 ft	10.5 – 11.9 ft	3.5 – 4.5 ft	1 – 2 ft	12 – 13.3 ft
	Sample ID	DSI-SB-04-7-8.3	DSI-SB-05-1-2	DSI-SB-05-6-7	DSI-SB-05-8-9.3	DSI-SB-06-5-6.5	DSI-SB-06-9.6-11	DSI-SB-07-1-2	DSI-SB-07-10.5-11.9	DSI-SB-07-3.5-4.5	DSI-SB-08-1-2	DSI-SB-08-12-13.3
	Sample Date	3/9/2011	3/10/2011	3/10/2011	3/10/2011	3/11/2011	3/11/2011	3/9/2011	3/9/2011	3/9/2011	3/11/2011	3/11/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N
	X	1268149.81	1268087.01	1268087.01	1268087.01	1268024.88	1268024.88	1267979.72	1267979.72	1267979.72	1268253.10	1268253.10
	Y	204408.42	204645.92	204645.92	204645.92	204754.84	204754.84	204866.56	204866.56	204866.56	204225.29	204225.29
	Screening Level											
Dibromomethane		--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane		--	--	--	--	--	--	--	--	--	--	--
Dichloromethane (Methylene chloride)		2.7 U	3.7 U	**2.7**	2.5 U	3.3 U	**19**	3.6 U	3.5 U	**5.9**	3.4 U	**6.7**
Ethyl bromide (Bromoethane)		--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	**31**	**18**	1.7 U	**120**
Ethylene dibromide (1,2-Dibromoethane)		--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)		--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	**34**	**26**	1.7 U	**4.1**
Methyl ethyl ketone (2-Butanone)		--	--	--	--	--	--	--	--	--	--	--
Methyl iodide (Iodomethane)		--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)		--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene		--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene		--	--	--	--	--	--	--	--	--	--	--
o-Xylene		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	**28**	**17**	1.7 U	**3.7**
sec-Butylbenzene		--	--	--	--	--	--	--	--	--	--	--
Styrene		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	1.7 U	1.9 U	1.7 U	1.5 U
tert-Butylbenzene		--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene (PCE)		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	1.7 U	1.9 U	1.7 U	1.5 U
Toluene		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	**2.8**	**2.1**	1.7 U	1.5 U
Trichloroethene (TCE)		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	1.7 U	1.9 U	1.7 U	1.5 U
Trichlorofluoromethane (Fluorotrichloromethane)		--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate		--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride		1.4 U	1.8 U	1.3 U	1.3 U	1.7 U	1.1 U	1.8 U	1.7 U	1.9 U	1.7 U	1.5 U

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSI-SB-08	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-10	DSI-SB-10	DSI-SB-10	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-12	DSI-SB-12
	Depth	7 – 8.7 ft	1 – 2 ft	11 – 12.1 ft	4.5 – 5.5 ft	1 – 2 ft	10 – 11 ft	5.5 – 7 ft	1 – 2 ft	11 – 12.3 ft	8 – 8.9 ft	1 – 2 ft	3 – 4.3 ft
	Sample ID	DSI-SB-08-7-8.7	DSI-SB-09-1-2	DSI-SB-09-11-12.1	DSI-SB-09-4.5-5.5	DSI-SB-10-1-2	DSI-SB-10-10-11	DSI-SB-10-5.5-7	DSI-SB-11-1-2	DSI-SB-11-11-12.3	DSI-SB-11-8-8.9	DSI-SB-12-1-2	DSI-SB-12-3-4.3
	Sample Date	3/11/2011	3/10/2011	3/10/2011	3/10/2011	3/14/2011	3/14/2011	3/14/2011	3/11/2011	3/11/2011	3/11/2011	3/15/2011	3/15/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1268253.10	1268195.47	1268195.47	1268195.47	1268117.63	1268117.63	1268117.63	1268162.52	1268162.52	1268162.52	1268029.86	1268029.86
	Y	204225.29	204416.39	204416.39	204416.39	204532.11	204532.11	204532.11	204544.00	204544.00	204544.00	204649.56	204649.56
	Screening Level												
Volatile Organics (µg/kg)													
1,1,1,2-Tetrachloroethane		--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane		1.3 U	1.9 U	3 U	1.6 U	1.9 U	1.2 U	1.2 U	1.8 U	1.2 U	1.3 U	1.2 U	1.2 U
1,1,2,2-Tetrachloroethane		--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane		1.3 U	1.9 U	3 U	1.6 U	1.9 U	1.2 U	1.2 U	1.8 U	1.2 U	1.3 U	1.2 U	1.2 U
1,1-Dichloroethane		1.3 U	1.9 U	3 U	1.6 U	1.9 U	1.2 U	1.2 U	1.8 U	1.2 U	1.3 U	1.2 U	1.2 U
1,1-Dichloroethene		1.3 U	1.9 U	3 U	1.6 U	1.9 U	1.2 U	1.2 U	1.8 U	1.2 U	1.3 U	1.2 U	1.2 U
1,1-Dichloropropene		--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene		--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane		--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene		--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene		--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane		--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene		--	1.9 U	--	--	1.9 U	--	--	--	--	--	1.2 U	1.2 U
1,2-Dichloroethane		1.3 U	1.9 U	3 U	1.6 U	1.9 U	1.2 U	1.2 U	1.8 U	1.2 U	1.3 U	1.2 U	1.2 U
1,2-Dichloroethene, cis-		--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethene, trans-		--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane		--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene (Mesitylene)		1.3 U	1.9 U	**29**	1.6 U	1.9 U	1.2 U	**1.3**	1.8 U	1.2 U	**2.4**	1.2 U	1.2 U
1,3-Dichloropropane		--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropene, cis-		--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropene, trans-		--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichloro-2-butene, trans-		--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene		--	--	--	--	1.9 U	1.2 U	--	--	--	--	1.2 U	1.2 U
2,2-Dichloropropane		--	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethylvinyl ether		--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene		--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone (Methyl butyl ketone)		--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene		--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)		--	--	--	--	--	--	--	--	--	--	--	--
Acetone		**53**	**61**	**110**	**64**	**230**	**14**	**97**	**76**	**23**	**90**	**80**	**36**
Acrolein		--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile		--	--	--	--	--	--	--	--	--	--	--	--
Benzene		1.3 U	1.9 U	3 U	1.6 U	1.9 U	1.2 U	1.2 U	1.8 U	1.2 U	**4.7**	1.2 U	1.2 U
Bromobenzene		--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane		--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane		--	--	--	--	--	--	--	--	--	--	--	--
Bromoform (Tribromomethane)		--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane (Methyl bromide)		--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide		--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)		1.3 U	1.9 U	3 U	1.6 U	1.9 U	1.2 U	1.2 U	1.8 U	1.2 U	1.3 U	1.2 U	1.2 U
Chlorobenzene		1.3 U	1.9 U	**110**	1.6 U	1.9 U	**2.7**	**5.7**	1.8 U	1.2 U	**13**	1.2 U	1.2 U
Chloroethane		1.3 U	1.9 U	3 U	1.6 U	1.9 U	1.2 U	1.2 U	1.8 U	1.2 U	1.3 U	1.2 U	1.2 U
Chloroform		1.3 U	1.9 U	3 U	1.6 U	1.9 U	1.2 U	1.2 U	1.8 U	1.2 U	1.3 U	1.2 U	1.2 U
Chloromethane		1.3 U	1.9 U	3 U	1.6 U	1.9 U	1.2 U	1.2 U	1.8 U	1.2 U	1.3 U	1.2 U	1.2 U
Cymene, p- (4-Isopropyltoluene)		--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane		--	--	--	--	--	--	--	--	--	--	--	--

Table 7-8e
Subsurface Sediment Results: VOCs

		Location ID	DSI-SB-08	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-10	DSI-SB-10	DSI-SB-10	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-12	DSI-SB-12
		Depth	7 – 8.7 ft	1 – 2 ft	11 – 12.1 ft	4.5 – 5.5 ft	1 – 2 ft	10 – 11 ft	5.5 – 7 ft	1 – 2 ft	11 – 12.3 ft	8 – 8.9 ft	1 – 2 ft	3 – 4.3 ft
		Sample ID	DSI-SB-08-7-8.7	DSI-SB-09-1-2	DSI-SB-09-11-12.1	DSI-SB-09-4.5-5.5	DSI-SB-10-1-2	DSI-SB-10-10-11	DSI-SB-10-5.5-7	DSI-SB-11-1-2	DSI-SB-11-11-12.3	DSI-SB-11-8-8.9	DSI-SB-12-1-2	DSI-SB-12-3-4.3
		Sample Date	3/11/2011	3/10/2011	3/10/2011	3/10/2011	3/14/2011	3/14/2011	3/14/2011	3/11/2011	3/11/2011	3/11/2011	3/15/2011	3/15/2011
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
		X	1268253.10	1268195.47	1268195.47	1268195.47	1268117.63	1268117.63	1268117.63	1268162.52	1268162.52	1268162.52	1268029.86	1268029.86
		Y	204225.29	204416.39	204416.39	204416.39	204532.11	204532.11	204532.11	204544.00	204544.00	204544.00	204649.56	204649.56
	Screening Level													
Dibromomethane		--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane		--	--	--	--	--	--	--	--	--	--	--	--	--
Dichloromethane (Methylene chloride)		**19**	3.9 U	**7.3**	3.2 U	3.8 U	2.4 U	2.5 U	**4.2**	2.4 U	2.7 U	2.3 U	2.3 U	
Ethyl bromide (Bromoethane)		--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene		1.3 U	1.9 U	**120**	1.6 U	1.9 U	**3.5**	**8.3**	1.8 U	1.2 U	**17**	1.2 U	1.2 U	
Ethylene dibromide (1,2-Dibromoethane)		--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)		--	--	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene		**3.3**	1.9 U	**9.4**	1.6 U	1.9 U	1.2 U	**4.8**	1.8 U	1.2 U	**2.4**	1.2 U	1.2 U	
Methyl ethyl ketone (2-Butanone)		--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl iodide (Iodomethane)		--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)		--	--	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene		--	--	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene		--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene		**3**	1.9 U	**8.3**	1.6 U	1.9 U	**4.1**	**10**	1.8 U	1.2 U	**8.1**	1.2 U	1.2 U	
sec-Butylbenzene		--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene		1.3 U	1.9 U	3 U	1.6 U	1.9 U	1.2 U	1.2 U	1.8 U	1.2 U	1.3 U	1.2 U	1.2 U	
tert-Butylbenzene		--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene (PCE)		1.3 U	1.9 U	3 U	1.6 U	1.9 U	1.2 U	1.2 U	1.8 U	1.2 U	1.3 U	1.2 U	1.2 U	
Toluene		1.3 U	1.9 U	3 U	1.6 U	1.9 U	1.2 U	**3**	1.8 U	1.2 U	1.3 U	1.2 U	1.2 U	
Trichloroethene (TCE)		1.3 U	1.9 U	3 U	1.6 U	1.9 U	1.2 U	1.2 U	1.8 U	1.2 U	1.3 U	1.2 U	1.2 U	
Trichlorofluoromethane (Fluorotrichloromethane)		--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate		--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride		1.3 U	1.9 U	3 U	1.6 U	1.9 U	1.2 U	1.2 U	1.8 U	1.2 U	1.3 U	1.2 U	1.2 U	

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSI-SB-12	DSI-SB-13	DSI-SB-13
	Depth	5.8 – 7.1 ft	1 – 2 ft	3 – 4.1 ft
	Sample ID	DSI-SB-12-5.8-7.1	DSI-SB-13-1-2	DSI-SB-13-3-4.1
	Sample Date	3/15/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N
	X	1268029.86	1267934.23	1267934.23
	Y	204649.56	204726.81	204726.81
	Screening Level			
Volatile Organics (µg/kg)				
1,1,1,2-Tetrachloroethane		--	--	--
1,1,1-Trichloroethane		1.2 U	1.5 U	1.8 U
1,1,2,2-Tetrachloroethane		--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		--	--	--
1,1,2-Trichloroethane		1.2 U	1.5 U	1.8 U
1,1-Dichloroethane		1.2 U	1.5 U	1.8 U
1,1-Dichloroethene		1.2 U	1.5 U	1.8 U
1,1-Dichloropropene		--	--	--
1,2,3-Trichlorobenzene		--	--	--
1,2,3-Trichloropropane		--	--	--
1,2,4-Trichlorobenzene		--	--	--
1,2,4-Trimethylbenzene		--	--	--
1,2-Dibromo-3-chloropropane		--	--	--
1,2-Dichlorobenzene		1.2 U	--	1.8 U
1,2-Dichloroethane		1.2 U	1.5 U	1.8 U
1,2-Dichloroethene, cis-		--	--	--
1,2-Dichloroethene, trans-		--	--	--
1,2-Dichloropropane		--	--	--
1,3,5-Trimethylbenzene (Mesitylene)		1.2 U	1.5 U	1.8 U
1,3-Dichloropropane		--	--	--
1,3-Dichloropropene, cis-		--	--	--
1,3-Dichloropropene, trans-		--	--	--
1,4-Dichloro-2-butene, trans-		--	--	--
1,4-Dichlorobenzene		1.2 U	1.5 U	1.8 U
2,2-Dichloropropane		--	--	--
2-Chloroethylvinyl ether		--	--	--
2-Chlorotoluene		--	--	--
2-Hexanone (Methyl butyl ketone)		--	--	--
4-Chlorotoluene		--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)		--	--	--
Acetone		**53**	**170**	**85**
Acrolein		--	--	--
Acrylonitrile		--	--	--
Benzene		1.2 U	1.5 U	1.8 U
Bromobenzene		--	--	--
Bromochloromethane		--	--	--
Bromodichloromethane		--	--	--
Bromoform (Tribromomethane)		--	--	--
Bromomethane (Methyl bromide)		--	--	--
Carbon disulfide		--	--	--
Carbon tetrachloride (Tetrachloromethane)		1.2 U	1.5 U	1.8 U
Chlorobenzene		1.2 U	1.5 U	1.8 U
Chloroethane		1.2 U	1.5 U	1.8 U
Chloroform		1.2 U	1.5 U	1.8 U
Chloromethane		1.2 U	1.5 U	1.8 U
Cymene, p- (4-Isopropyltoluene)		--	--	--
Dibromochloromethane		--	--	--

Table 7-8e
Subsurface Sediment Results: VOCs

	Location ID	DSI-SB-12	DSI-SB-13	DSI-SB-13
	Depth	5.8 – 7.1 ft	1 – 2 ft	3 – 4.1 ft
	Sample ID	DSI-SB-12-5.8-7.1	DSI-SB-13-1-2	DSI-SB-13-3-4.1
	Sample Date	3/15/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N
	X	1268029.86	1267934.23	1267934.23
	Y	204649.56	204726.81	204726.81
	Screening Level			
Dibromomethane		--	--	--
Dichlorodifluoromethane		--	--	--
Dichloromethane (Methylene chloride)		2.4 U	2.9 U	3.6 U
Ethyl bromide (Bromoethane)		--	--	--
Ethylbenzene		1.2 U	1.5 U	1.8 U
Ethylene dibromide (1,2-Dibromoethane)		--	--	--
Isopropylbenzene (Cumene)		--	--	--
m,p-Xylene		1.2 U	1.5 U	1.8 U
Methyl ethyl ketone (2-Butanone)		--	--	--
Methyl iodide (Iodomethane)		--	--	--
Methyl tert-butyl ether (MTBE)		--	--	--
n-Butylbenzene		--	--	--
n-Propylbenzene		--	--	--
o-Xylene		1.2 U	1.5 U	1.8 U
sec-Butylbenzene		--	--	--
Styrene		1.2 U	1.5 U	1.8 U
tert-Butylbenzene		--	--	--
Tetrachloroethene (PCE)		1.2 U	1.5 U	1.8 U
Toluene		1.2 U	1.5 U	1.8 U
Trichloroethene (TCE)		1.2 U	1.5 U	1.8 U
Trichlorofluoromethane (Fluorotrichloromethane)		--	--	--
Vinyl acetate		--	--	--
Vinyl chloride		1.2 U	1.5 U	1.8 U

Table 7-8e
Subsurface Sediment Results: VOCs

Notes:
Detected concentration is greater than the sediment screening level
Non-detected concentration is above the sediment screening level
Bold = Detected result
-- = not analyzed
µg/kg = micrograms per kilogram
FD = field duplicate
ft = foot
J = estimated value
N = normal sample
R = rejected
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit

Table 7-8f
Subsurface Sediment Results: PCBs and Pesticides

	Location ID	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-05	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312
	Depth	0 – 2 ft	0 – 2 ft	0 – 1.8 ft	0 – 2 ft	0 – 2 ft	10 – 11 ft	2 – 4 ft	4 – 6 ft	4 – 6 ft	6.5 – 8.5 ft
	Sample ID	DSIMR-SB-01-0-2	DSIMR-SB-02-0-2	DSIMR-SB-03-0-1.8	DSIMR-SB-05-0-2	DSIP2-SB-01b-0-2	DSIP2-SB-01b-10-11	DSIP2-SB-01b-2-4	DSIP2-SB-01b-4-6	DSIP2-SB-51B-4-6	DSIP2-SB-01b-6.5-8.5
	Sample Date	7/23/2013	7/24/2013	7/24/2013	7/23/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N
	X	1268066.22	1268066.94	1268069.67	1268029.81	1268348.79	1268348.79	1268348.79	1268348.79	1268348.79	1268348.79
	Y	204393.09	204421.57	204454.65	204601.34	204095.62	204095.62	204095.62	204095.62	204095.62	204095.62
	Screening Level										
PCB Aroclors (mg/kg-OC)											
Aroclor 1016		1.639 U	0.2123 U	0.3421 U	0.2191 U	0.1434 U	0.4678 U	0.1173 U	0.236 U	0.2042 U	0.1681 U
Aroclor 1221		1.639 U	0.2123 U	0.3421 U	0.2191 U	0.1434 U	0.4678 U	0.1173 U	0.236 U	0.2042 U	0.1681 U
Aroclor 1232		1.639 U	0.2123 U	0.3421 U	0.2191 U	0.1434 U	0.4678 U	0.1173 U	0.236 U	0.2042 U	0.1681 U
Aroclor 1242		1.639 U	0.2123 U	0.3421 U	0.2191 U	0.1434 U	0.4678 U	0.1173 U	0.236 U	0.2042 U	0.1681 U
Aroclor 1248		6.475 U	**6.145**	1.053 U	0.674 U	**2.151**	**10.872**	**2.037**	**5.528**	**6.806**	**26.991**
Aroclor 1254		**18.033**	**5.475**	**1.667**	**2.022**	**4.151**	**13.906**	**3.704**	**8.696**	**11.518**	**30.531**
Aroclor 1260		**9.836**	**2.235**	**0.965**	**1.236**	**4.151**	**5.563**	**2.222**	**3.789**	**5.131**	**11.504**
Total PCB Aroclors (SMS Marine 2013) (U = 0)		**27.869**	**13.8547**	**2.6316**	**3.2584**	**10.4528**	**30.3413**	**7.963**	**18.0124**	**23.4555**	**69.0265**
PCB Aroclors (µg/kg)											
Aroclor 1016		20 U	3.8 U	3.9 U	3.9 U	3.8 U	3.7 U	3.8 U	3.8 U	3.9 U	3.8 U
Aroclor 1221		20 U	3.8 U	3.9 U	3.9 U	3.8 U	3.7 U	3.8 U	3.8 U	3.9 U	3.8 U
Aroclor 1232		20 U	3.8 U	3.9 U	3.9 U	3.8 U	3.7 U	3.8 U	3.8 U	3.9 U	3.8 U
Aroclor 1242		20 U	3.8 U	3.9 U	3.9 U	3.8 U	3.7 U	3.8 U	3.8 U	3.9 U	3.8 U
Aroclor 1248		79 U	**110**	12 U	12 U	**57**	**86**	**66**	**89**	**130**	**610**
Aroclor 1254		**220**	**98**	**19**	**36**	**110**	**110**	**120**	**140**	**220**	**690**
Aroclor 1260		**120**	**40**	**11**	**22**	**110**	**44**	**72**	**61**	**98**	**260**
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	**340**	**248**	**30**	**58**	**277**	**240**	**258**	**290**	**448**	**1560**
Pesticides (µg/kg)											
4,4'-DDD (p,p'-DDD)		5 U	**6.8**	4.9 U	0.96 U	0.96 U	3.5 U	0.96 U	4.8 U	0.99 U	0.97 U
4,4'-DDE (p,p'-DDE)		**14 J**	4.8 U	4.9 U	0.96 U	0.96 UJ	0.97 UJ	0.96 UJ	0.96 UJ	0.99 UJ	19 UJ
4,4'-DDT (p,p'-DDT)		15 U	4.8 U	4.9 U	0.96 U	7.7 U	7.6 U	**25**	8.5 U	15 U	37 U
Aldrin		2.5 U	2.4 U	2.4 U	0.48 U	1.1 U	3 U	2.4 U	0.48 U	0.5 U	0.49 U
Chlordane, alpha- (Chlordane, cis-)		2.5 U	2.4 U	2.4 U	0.48 U	0.48 UJ	0.49 UJ	0.48 UJ	0.48 UJ	0.5 UJ	0.49 UJ
Chlordane, beta- (Chlordane, trans-)		2.5 U	2.4 U	2.4 U	0.48 U	0.48 UJ	0.49 UJ	0.73 UJ	4.6 UJ	2.9 UJ	11 UJ
Dieldrin		5 U	4.8 U	4.9 U	0.96 U	0.96 UJ	0.97 UJ	0.96 UJ	0.96 UJ	0.99 UJ	13 UJ
Endosulfan sulfate		5 U	4.8 U	4.9 U	0.96 U	0.96 U	0.97 U	0.96 U	2 U	0.99 U	4.9 U
Endosulfan, alpha- (I)		2.5 U	2.4 U	2.4 U	0.48 U	0.48 UJ	0.49 UJ	0.48 UJ	0.48 UJ	0.5 UJ	22 UJ
Endosulfan, beta (II)		5 U	4.8 U	4.9 U	0.96 U	0.96 U	0.97 U	0.96 U	0.96 U	0.99 U	9.7 U
Endrin		5 U	4.8 U	4.9 U	1.3 U	0.96 U	0.97 U	0.96 U	5.3 U	0.99 U	0.97 U
Endrin aldehyde		5 U	4.8 U	4.9 U	0.96 U	1.8 UJ	2 UJ	2.5 UJ	2.3 UJ	3 UJ	8.6 UJ
Endrin ketone		5 U	4.8 U	4.9 U	0.96 U	0.96 U	3 U	0.96 U	0.96 U	0.99 U	14 U
Heptachlor		2.5 U	2.4 U	2.4 U	0.48 U	0.48 U	0.65 U	0.48 U	0.87 U	1.1 U	4.1 U
Heptachlor epoxide		5 U	4.8 U	4.9 U	0.96 U	0.96 U	4 U	0.96 U	5.6 U	6.8 U	26 U
Hexachlorobenzene		--	--	4.9 U	0.96 U	0.96 UJ	0.97 UJ	1.5 UJ	3 UJ	--	0.97 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	--	0.96 U	0.97 U	0.96 U	0.96 U	0.99 U	0.97 U
Hexachlorocyclohexane (BHC), alpha-		2.5 U	2.4 U	2.4 U	0.48 U	0.48 U	0.49 U	0.48 U	5.6 U	0.5 U	0.49 U
Hexachlorocyclohexane (BHC), beta-		2.5 U	2.4 U	2.4 U	0.84 U	0.48 U	0.49 U	0.48 U	4.4 U	0.5 U	2.7 U
Hexachlorocyclohexane (BHC), delta-		2.5 U	2.4 U	2.4 U	0.48 U	1.1 U	0.49 U	0.48 U	0.48 U	0.5 U	0.49 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)		2.5 U	2.4 U	2.4 U	0.48 U	0.85 U	1.2 U	0.96 U	0.48 U	0.98 U	1.9 U
Methoxychlor		25 U	24 U	24 U	4.8 U	4.8 U	4.9 U	4.8 U	4.8 U	5 U	48 U
Toxaphene		500 U	480 U	490 U	96 U	24 U	24 U	24 U	24 U	25 U	24 U

Table 7-8f
Subsurface Sediment Results: PCBs and Pesticides

	Location ID	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312
	Depth	0 – 2 ft	2 – 4 ft	4 – 6 ft	6.7 – 8.7 ft	9.5 – 11.3 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9.5 – 11.5 ft
	Sample ID	DSIP2-SB-02-0-2	DSIP2-SB-02-2-4	DSIP2-SB-02-4-6	DSIP2-SB-02-6.7-8.7	DSIP2-SB-02-9.5-11.3	DSIP2-SB-03-0-2	DSIP2-SB-03-2-4	DSIP2-SB-03-4-6	DSIP2-SB-03-6-8	DSIP2-SB-03-9.5-11.5
	Sample Date	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268373.50	1268373.50	1268373.50	1268373.50	1268373.50	1268353.78	1268353.78	1268353.78	1268353.78	1268353.78
	Y	204254.08	204254.08	204254.08	204254.08	204254.08	204333.70	204333.70	204333.70	204333.70	204333.70
	Screening Level										
PCB Aroclors (mg/kg-OC)											
Aroclor 1016		0.132 U	0.197 U	0.1542 U	0.1831 U	0.8858 U	0.1444 U	0.2128 U	0.1659 U	0.1373 U	0.9848 U
Aroclor 1221		0.132 U	0.197 U	0.1542 U	0.1831 U	0.8858 U	0.1444 U	0.2128 U	0.1659 U	0.1373 U	0.9848 U
Aroclor 1232		0.132 U	0.197 U	0.1542 U	0.1831 U	1.7483 U	0.1444 U	0.2128 U	0.1659 U	0.1373 U	1.9697 U
Aroclor 1242		0.132 U	0.197 U	0.1542 U	0.1831 U	0.8858 U	0.1444 UJ	0.2128 U	0.1659 U	0.1373 U	0.9848 U
Aroclor 1248		**1.452**	**3.99**	**17.391**	**10.798**	0.8858 U	**1.37 J**	**3.298**	**17.467**	**8.803**	0.9848 U
Aroclor 1254		**2.508**	**8.081**	**20.949**	**16.901**	0.8858 U	**2.593 J**	**6.383**	**19.214**	**12.324**	0.9848 U
Aroclor 1260		**1.386**	**4.04**	**6.324**	**5.634**	**2.3077**	**1.222 J**	**3.245**	**6.114**	**3.873**	**2.778**
Total PCB Aroclors (SMS Marine 2013) (U = 0)		**5.3465**	**16.1111**	**44.664**	**33.3333**	**2.3077**	**5.1852 J**	**12.9255**	**42.7948**	**25**	**2.7778**
PCB Aroclors (µg/kg)											
Aroclor 1016		4 U	3.9 U	3.9 U	3.9 U	3.8 U	3.9 U	4 U	3.8 U	3.9 U	3.9 U
Aroclor 1221		4 U	3.9 U	3.9 U	3.9 U	3.8 U	3.9 U	4 U	3.8 U	3.9 U	3.9 U
Aroclor 1232		4 U	3.9 U	3.9 U	3.9 U	7.5 U	3.9 U	4 U	3.8 U	3.9 U	7.8 U
Aroclor 1242		4 U	3.9 U	3.9 U	3.9 U	3.8 U	3.9 UJ	4 U	3.8 U	3.9 U	3.9 U
Aroclor 1248		**44**	**79**	**440**	**230**	3.8 U	**37 J**	**62**	**400**	**250**	3.9 U
Aroclor 1254		**76**	**160**	**530**	**360**	3.8 U	**70 J**	**120**	**440**	**350**	3.9 U
Aroclor 1260		**42**	**80**	**160**	**120**	**9.9**	**33 J**	**61**	**140**	**110**	**11**
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	**162**	**319**	**1130**	**710**	**9.9**	**140 J**	**243**	**980**	**710**	**11**
Pesticides (µg/kg)											
4,4'-DDD (p,p'-DDD)		0.99 U	0.97 U	0.98 U	0.97 U	0.94 U	0.97 U	0.99 U	0.96 U	0.96 U	0.97 U
4,4'-DDE (p,p'-DDE)		0.99 U	5 U	13 U	11 U	0.94 U	0.97 U	4.9 U	13 U	11 UJ	0.97 UJ
4,4'-DDT (p,p'-DDT)		0.99 U	12 U	24 U	0.97 U	0.94 U	0.97 U	0.99 U	23 U	0.96 U	0.97 U
Aldrin		8.1 U	2.1 U	0.49 U	0.49 U	0.47 U	1.1 U	1.9 U	0.48 U	0.48 U	0.49 U
Chlordane, alpha- (Chlordane, cis-)		0.49 U	0.48 U	0.49 U	0.49 U	0.47 U	0.48 U	0.5 U	0.48 U	0.48 UJ	0.49 UJ
Chlordane, beta- (Chlordane, trans-)		2.7 U	0.99 U	9.9 U	4.3 U	0.47 U	0.92 U	1.3 U	7.3 U	5.5 UJ	0.49 UJ
Dieldrin		0.99 U	3.7 U	8.1 U	6 U	0.94 U	0.97 U	3.5 U	7.4 U	6.4 UJ	0.97 UJ
Endosulfan sulfate		0.99 U	0.97 U	3.3 U	0.97 U	0.94 U	0.97 U	0.99 U	0.96 U	3.1 U	0.97 U
Endosulfan, alpha- (I)		1.7 U	0.48 U	3.2 U	0.49 U	0.47 U	0.48 U	0.5 U	0.48 U	0.48 UJ	0.49 UJ
Endosulfan, beta (II)		0.99 U	0.97 U	6 U	4.3 U	0.94 U	0.97 U	0.99 U	5.7 U	5.2 U	0.97 U
Endrin		0.99 U	0.97 U	12 U	0.97 U	0.94 U	0.97 U	0.99 U	0.96 U	0.96 U	0.97 U
Endrin aldehyde		0.99 U	2.6 U	5.5 U	4.6 U	0.94 U	1.4 U	2.8 U	5.5 U	4.8 U	0.97 U
Endrin ketone		0.99 U	0.97 U	10 U	0.97 U	0.94 U	0.97 U	0.99 U	0.96 U	0.96 U	0.97 U
Heptachlor		6 U	2.5 U	2.8 U	1.9 U	0.47 U	0.48 U	1.1 U	3.9 U	2.4 U	0.49 U
Heptachlor epoxide		0.99 U	5.7 U	17 U	12 U	0.94 U	0.97 U	5.4 U	17 U	13 UJ	0.97 UJ
Hexachlorobenzene		--	0.97 UJ	0.98 UJ	0.97 UJ	0.94 UJ	0.97 UJ	0.99 UJ	0.96 UJ	0.96 UJ	0.97 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		0.99 U	0.97 U	0.98 U	0.97 U	0.94 U	0.97 U	0.99 U	0.96 U	0.96 U	0.97 U
Hexachlorocyclohexane (BHC), alpha-		39 U	0.48 U	0.49 U	0.49 U	0.47 U	0.48 U	0.5 U	0.48 U	0.48 U	0.49 U
Hexachlorocyclohexane (BHC), beta-		33 U	4.5 U	2.6 U	1.6 U	0.47 U	2.6 U	4.6 U	2.9 U	2.4 U	0.49 U
Hexachlorocyclohexane (BHC), delta-		6.4 U	0.48 U	0.49 U	0.49 U	0.47 U	1.1 U	0.5 U	0.48 U	0.48 U	0.49 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)		11 U	7.6 U	3 U	1.6 U	0.47 U	9.7 U	2.6 U	2.2 U	1.4 U	0.49 U
Methoxychlor		4.9 U	4.8 U	35 U	28 U	4.7 U	4.8 U	5 U	35 U	33 U	4.9 U
Toxaphene		25 U	24 U	25 U	24 U	24 U	24 U	25 U	24 U	24 U	24 U

Table 7-8f
Subsurface Sediment Results: PCBs and Pesticides

	Location ID	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312
	Depth	0 – 2 ft	2 – 4 ft	5 – 7 ft	7.5 – 9.5 ft	7.5 – 9.5 ft	9.5 – 11.5 ft	0 – 2 ft	0 – 2 ft	10 – 12 ft	4 – 6 ft
	Sample ID	DSIP2-SB-04-0-2	DSIP2-SB-04-2-4	DSIP2-SB-04-5-7	DSIP2-SB-04-7.5-9.5	DSIP2-SB-54-7.5-9.5	DSIP2-SB-04-9.5-11.5	DSIP2-SB-05-0-2	DSIP2-SB-05-2-4	DSIP2-SB-05-10-12	DSIP2-SB-05-4-6
	Sample Date	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013
	Sample Type	N	N	N	N	FD	N	N	N	N	N
	X	1268312.94	1268312.94	1268312.94	1268312.94	1268312.94	1268312.94	1268262.71	1268262.71	1268262.71	1268262.71
	Y	204461.82	204461.82	204461.82	204461.82	204461.82	204461.82	204583.57	204583.57	204583.57	204583.57
	Screening Level										
PCB Aroclors (mg/kg-OC)											
Aroclor 1016		0.1724 U	0.1831 U	0.2587 U	1.729 U	1.6514 U	0.9651 U	0.1418 U	0.1814 U	9.0476 U	0.2174 U
Aroclor 1221		0.1724 U	0.1831 U	0.2587 U	1.729 U	1.6514 U	0.9651 U	0.1418 U	0.1814 U	9.0476 U	0.2174 U
Aroclor 1232		0.1724 U	0.1831 U	0.2587 U	1.729 U	1.6514 U	0.9651 U	0.1418 U	0.1814 U	26.19 U	0.2174 U
Aroclor 1242		0.1724 U	0.1831 U	0.2587 U	1.729 U	1.6514 U	0.9651 U	0.1418 U	0.1814 U	9.0476 U	0.2174 U
Aroclor 1248		**3.319**	**24.413**	**8.392**	1.729 U	1.6514 U	0.9651 U	**2.201**	**21.395**	9.0476 U	**7.065**
Aroclor 1254		**5.603**	**25.352**	**11.888**	1.729 U	1.6514 U	0.9651 U	**4.104**	**26.047**	9.0476 U	**9.783**
Aroclor 1260		**2.974**	**9.39**	**5.734**	1.729 U	1.6514 U	0.9651 U	**2.239**	**6.977**	9.0476 U	**6.522**
Total PCB Aroclors (SMS Marine 2013) (U = 0)		**11.8966**	**59.1549**	**26.014**	1.729 U	1.6514 U	0.9651 U	**8.5448**	**54.4186**	26.1905 U	**23.3696**
PCB Aroclors (µg/kg)											
Aroclor 1016		4 U	3.9 U	3.7 U	3.7 U	3.6 U	3.6 U	3.8 U	3.9 U	3.8 U	4 U
Aroclor 1221		4 U	3.9 U	3.7 U	3.7 U	3.6 U	3.6 U	3.8 U	3.9 U	3.8 U	4 U
Aroclor 1232		4 U	3.9 U	3.7 U	3.7 U	3.6 U	3.6 U	3.8 U	3.9 U	11 U	4 U
Aroclor 1242		4 U	3.9 U	3.7 U	3.7 U	3.6 U	3.6 U	3.8 U	3.9 U	3.8 U	4 U
Aroclor 1248		**77**	**520**	**120**	3.7 U	3.6 U	3.6 U	**59**	**460**	3.8 U	**130**
Aroclor 1254		**130**	**540**	**170**	3.7 U	3.6 U	3.6 U	**110**	**560**	3.8 U	**180**
Aroclor 1260		**69**	**200**	**82**	3.7 U	3.6 U	3.6 U	**60**	**150**	3.8 U	**120**
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	**276**	**1260**	**372**	3.7 U	3.6 U	3.6 U	**229**	**1170**	11 U	**430**
Pesticides (µg/kg)											
4,4'-DDD (p,p'-DDD)		0.99 U	0.99 U	12 U	0.95 U	0.94 U	0.95 U	4 U	0.98 U	0.95 U	8.5 U
4,4'-DDE (p,p'-DDE)		5.1 U	13 U	8.7 U	0.95 U	0.94 U	0.95 U	4.5 UJ	11 UJ	0.95 UJ	5 UJ
4,4'-DDT (p,p'-DDT)		0.99 U	34 U	17 U	0.95 U	0.94 U	0.95 U	13 U	26 U	0.95 U	0.99 U
Aldrin		1.8 U	0.5 U	0.48 U	0.48 U	0.47 U	0.47 U	0.48 U	5.9 U	0.48 U	0.49 U
Chlordane, alpha- (Chlordane, cis-)		0.5 U	0.5 U	0.48 U	0.48 U	0.47 U	0.47 U	0.48 UJ	3.6 UJ	0.48 UJ	0.49 UJ
Chlordane, beta- (Chlordane, trans-)		0.9 U	8.9 U	3.9 U	0.48 U	0.47 U	0.47 U	4.5 UJ	9 UJ	0.48 UJ	2.5 UJ
Dieldrin		0.99 U	8.9 U	0.97 U	0.95 U	0.94 U	0.95 U	0.96 UJ	7 UJ	0.95 UJ	3.1 UJ
Endosulfan sulfate		0.99 U	0.99 U	2.8 U	0.95 U	0.94 U	0.95 U	0.96 U	3.3 U	0.95 U	0.99 U
Endosulfan, alpha- (I)		0.5 U	16 U	0.48 U	0.48 U	0.47 U	0.47 U	0.48 UJ	0.49 UJ	0.48 UJ	0.49 UJ
Endosulfan, beta (II)		0.99 U	8.1 U	4.3 U	0.95 U	0.94 U	0.95 U	2.9 U	7.1 U	0.95 U	0.99 U
Endrin		0.99 U	0.99 U	0.97 U	0.95 U	0.94 U	0.95 U	5.7 U	12 U	0.95 U	0.99 U
Endrin aldehyde		3.5 UJ	7.4 UJ	5.2 UJ	0.95 UJ	0.94 UJ	0.95 UJ	3.2 U	5.4 U	0.95 U	3.6 U
Endrin ketone		6.5 U	13 U	7.4 U	0.95 U	0.94 U	0.95 U	0.96 U	0.98 U	0.95 U	7.2 U
Heptachlor		0.5 U	4.2 U	1.8 U	1.9 U	0.92 U	0.47 U	0.88 U	4.1 U	0.48 U	1.2 U
Heptachlor epoxide		0.99 U	19 U	10 U	0.95 U	0.94 U	0.95 U	5.7 UJ	16 UJ	0.95 UJ	5.1 UJ
Hexachlorobenzene		0.99 UJ	0.99 UJ	1.2 UJ	0.95 UJ	0.94 UJ	0.95 UJ	0.96 UJ	0.98 UJ	0.95 UJ	0.99 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		0.99 U	0.99 U	0.97 U	0.95 U	0.94 U	0.95 U	0.96 U	0.98 U	0.95 U	0.99 U
Hexachlorocyclohexane (BHC), alpha-		1.4 U	0.5 U	0.48 U	0.48 U	0.47 U	0.47 U	5.8 U	12 U	0.48 U	3.2 U
Hexachlorocyclohexane (BHC), beta-		1 U	3.8 U	2.8 U	3.6 U	2.4 U	0.67 U	4.9 U	12 U	0.48 U	3.8 U
Hexachlorocyclohexane (BHC), delta-		1.4 U	0.5 U	0.48 U	0.48 U	0.47 U	0.47 U	3.2 U	4.4 U	0.48 U	0.49 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)		0.64 U	2.8 U	5.1 U	1.4 U	0.62 U	0.47 U	5.9 U	4.5 U	0.48 U	3.2 U
Methoxychlor		5 U	44 U	27 U	4.8 U	4.7 U	4.7 U	4.8 U	35 U	4.8 U	4.9 U
Toxaphene		25 U	25 U	24 U	24 U	24 U	24 U	24 U	24 U	24 U	25 U

Table 7-8f
Subsurface Sediment Results: PCBs and Pesticides

	Location ID	DSIP2-SB-05_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312
	Depth	6.7 – 8.7 ft	0 – 2 ft	2 – 4 ft	2 – 4 ft	5 – 7 ft	8 – 10 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft
	Sample ID	DSIP2-SB-05-6.7-8.7	DSIP2-SB-06-0-2	DSIP2-SB-06-2-4	DSIP2-SB-56-2-4	DSIP2-SB-06-5-7	DSIP2-SB-06-8-10	DSIP2-SB-07-0-2	DSIP2-SB-07-2-4	DSIP2-SB-07-4.5-6.5	DSIP2-SB-07-7-9
	Sample Date	12/13/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	FD	N	N	N	N	N	N
	X	1268262.71	1268218.43	1268218.43	1268218.43	1268218.43	1268218.43	1268157.39	1268157.39	1268157.39	1268157.39
	Y	204583.57	204716.63	204716.63	204716.63	204716.63	204716.63	204828.25	204828.25	204828.25	204828.25
	Screening Level										
PCB Aroclors (mg/kg-OC)											
Aroclor 1016		0.5085 U	0.1566 U	0.2241 U	0.2063 U	0.2639 U	0.7966 U	0.1606 U	0.1907 U	0.4518 U	1.5 U
Aroclor 1221		0.5085 U	0.1566 U	0.2241 U	0.2063 U	0.2639 U	0.7966 U	0.1606 U	0.1907 U	0.4518 U	1.5 U
Aroclor 1232		1.2777 U	0.1566 U	0.2241 U	0.2063 U	0.2639 U	0.7966 U	0.1606 U	0.1907 U	0.4518 U	1.5 U
Aroclor 1242		0.5085 U	0.1566 U	0.2241 U	0.2063 U	0.2639 U	0.7966 U	0.1606 U	0.1907 U	0.4518 U	1.5 U
Aroclor 1248		0.5085 U	**1.606**	**5.747**	**4.921**	**18.75**	**1.6352**	**2.651**	**22.165**	**14.652**	**2.375**
Aroclor 1254		0.5085 U	**3.293**	**8.621**	**7.937**	**23.611**	**2.516**	**4.418**	**29.897**	**15.873**	**3.7083**
Aroclor 1260		**1.565**	**1.486**	**6.322**	**3.545**	**9.722**	**1.6352**	**2.731**	**13.402**	**6.105**	**2.125**
Total PCB Aroclors (SMS Marine 2013) (U = 0)		**1.5645**	**6.3855**	**20.6897**	**16.4021**	**52.0833**	**5.7862**	**9.7992**	**65.4639**	**36.63**	**8.2083**
PCB Aroclors (µg/kg)											
Aroclor 1016		3.9 U	3.9 U	3.9 U	3.9 U	3.8 U	3.8 U	4 U	3.7 U	3.7 U	3.6 U
Aroclor 1221		3.9 U	3.9 U	3.9 U	3.9 U	3.8 U	3.8 U	4 U	3.7 U	3.7 U	3.6 U
Aroclor 1232		9.8 U	3.9 U	3.9 U	3.9 U	3.8 U	3.8 U	4 U	3.7 U	3.7 U	3.6 U
Aroclor 1242		3.9 U	3.9 U	3.9 U	3.9 U	3.8 U	3.8 U	4 U	3.7 U	3.7 U	3.6 U
Aroclor 1248		3.9 U	**40**	**100**	**93**	**270**	**7.8**	**66**	**430**	**120**	**5.7**
Aroclor 1254		3.9 U	**82**	**150**	**150**	**340**	**12**	**110**	**580**	**130**	**8.9**
Aroclor 1260		**12**	**37**	**110**	**67**	**140**	**7.8**	**68**	**260**	**50**	**5.1**
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	**12**	**159**	**360**	**310**	**750**	**27.6**	**244**	**1270**	**300**	**19.7**
Pesticides (µg/kg)											
4,4'-DDD (p,p'-DDD)		0.98 U	4.5 U	4 U	0.98 U	0.96 U	0.95 U	1 U	6.8 U	3.5 U	0.96 U
4,4'-DDE (p,p'-DDE)		0.98 UJ	0.97 U	0.96 U	4.6 U	13 U	0.95 U	1 U	21 U	6.7 U	0.96 U
4,4'-DDT (p,p'-DDT)		0.98 UJ	6.2 U	4.2 U	0.98 U	29 U	0.95 U	1 U	50 U	18 U	0.96 U
Aldrin		0.49 U	1.7 U	0.48 U	1 U	0.48 U	0.49 U	1.2 U	0.48 U	0.49 U	0.48 U
Chlordane, alpha- (Chlordane, cis-)		0.49 UJ	0.48 U	0.48 U	0.49 U	0.48 U	0.48 U	0.5 U	0.48 U	0.49 U	0.48 U
Chlordane, beta- (Chlordane, trans-)		0.49 UJ	1.5 U	1.4 U	1.5 U	7 U	0.48 U	0.52 U	11 U	3.5 U	0.48 U
Dieldrin		0.98 UJ	0.97 U	0.96 U	3.8 U	7.9 U	0.95 U	1 U	15 U	0.97 U	0.96 U
Endosulfan sulfate		0.98 U	0.97 U	0.96 U	0.98 U	0.96 U	0.95 U	1 U	0.96 U	0.97 U	0.96 U
Endosulfan, alpha- (I)		0.49 UJ	3.6 U	3 U	0.49 U	0.48 U	0.48 U	0.5 U	25 U	0.49 U	0.48 U
Endosulfan, beta (II)		0.98 U	0.97 U	0.96 U	0.98 U	6.7 U	0.95 U	1 U	14 U	4.4 U	0.96 U
Endrin		0.98 U	0.97 U	0.96 U	0.98 U	0.96 U	0.95 U	1 U	0.96 U	0.97 U	0.96 U
Endrin aldehyde		0.98 U	1.6 UJ	1.6 UJ	3.2 UJ	5.6 UJ	0.95 UJ	2.5 UJ	11 UJ	5.8 UJ	0.96 UJ
Endrin ketone		0.98 U	0.97 U	0.96 U	0.98 U	9.4 U	0.95 U	1 U	20 U	8.6 U	0.96 U
Heptachlor		0.49 UJ	0.48 U	0.48 U	1.2 U	3.3 U	0.48 U	0.52 U	3 U	1.5 U	0.94 U
Heptachlor epoxide		0.98 UJ	2.2 U	2.1 U	5.8 U	17 U	0.95 U	1 U	28 U	9.4 U	0.96 U
Hexachlorobenzene		0.98 UJ	0.97 UJ	0.96 UJ	0.98 UJ	--	0.95 UJ	1 UJ	1.8 UJ	0.97 UJ	0.96 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		0.98 U	0.97 U	0.96 U	0.98 U	0.96 U	0.95 U	1 U	0.96 U	0.97 U	0.96 U
Hexachlorocyclohexane (BHC), alpha-		0.49 U	2.5 U	2.3 U	0.49 U	0.48 U	0.48 U	0.5 U	0.48 U	0.49 U	0.48 U
Hexachlorocyclohexane (BHC), beta-		0.49 U	1.4 U	1.3 U	0.49 U	2.9 U	1.8 U	0.5 U	2 U	0.49 U	2.2 U
Hexachlorocyclohexane (BHC), delta-		0.49 U	1.2 U	1.2 U	0.49 U	0.48 U	0.48 U	0.5 U	0.48 U	0.49 U	0.48 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)		1.4 U	1.1 U	1.1 U	0.49 U	1.6 U	0.48 U	1.7 U	1.9 U	0.49 U	0.56 U
Methoxychlor		4.9 U	4.8 U	4.8 U	4.9 U	35 U	4.8 U	5 U	70 U	4.9 U	4.8 U
Toxaphene		24 U	24 U	24 U	24 U	24 U	24 U	25 U	24 U	24 U	24 U

Table 7-8f
Subsurface Sediment Results: PCBs and Pesticides

	Location ID	DSIP2-SB-07_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312
	Depth	9 – 11 ft	0 – 2 ft	2.5 – 4.5 ft	4.5 – 6.5 ft	6.5 – 8.5 ft	8.5 – 10.4 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft
	Sample ID	DSIP2-SB-07-9-11	DSIP2-SB-08-0-2	DSIP2-SB-08-2.5-4.5	DSIP2-SB-08-4.5-6.5	DSIP2-SB-08-6.5-8.5	DSIP2-SB-08-8.5-10.4	DSIP2-SB-09-0-2	DSIP2-SB-09-2-4	DSIP2-SB-09-4-6	DSIP2-SB-09-6-8
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268157.39	1268132.63	1268132.63	1268132.63	1268132.63	1268132.63	1268064.60	1268064.60	1268064.60	1268064.60
	Y	204828.25	204932.41	204932.41	204932.41	204932.41	204932.41	205002.51	205002.51	205002.51	205002.51
	Screening Level										
PCB Aroclors (mg/kg-OC)											
Aroclor 1016		2 U	0.1606 U	0.2074 U	0.1778 U	0.2407 U	0.2632 U	0.1624 U	0.2549 U	0.2685 U	0.1606 U
Aroclor 1221		2 U	0.1606 U	0.2074 U	0.1778 U	0.2407 U	0.2632 U	0.1624 U	0.2549 U	0.2685 U	0.1606 U
Aroclor 1232		3.0256 U	0.1606 U	0.2074 U	0.1778 U	0.2407 U	0.5197 U	0.1624 U	0.2549 U	0.2685 U	0.1606 U
Aroclor 1242		2 U	0.1606 U	0.2074 U	0.1778 U	0.2407 U	0.2632 U	0.1624 U	0.2549 U	0.2685 U	0.1606 U
Aroclor 1248		2 U	**2.329**	**3.298**	**15.556**	2.407 U	0.2632 U	**4.701**	**5.556**	**21.477**	**4.819**
Aroclor 1254		2 U	**4.418**	**6.383**	**20.889**	**8.642**	0.2632 U	**7.692**	**9.804**	**31.544**	**7.631**
Aroclor 1260		2 U	**2.088**	**3.298**	**7.111**	**8.642**	0.2632 U	**3.675**	**5.948**	**12.081**	**3.614**
Total PCB Aroclors (SMS Marine 2013) (U = 0)		3.0256 U	**8.8353**	**12.9787**	**43.5556**	**17.284**	0.5197 U	**16.0684**	**21.3072**	**65.1007**	**16.0643**
PCB Aroclors (µg/kg)											
Aroclor 1016		3.9 U	4 U	3.9 U	4 U	3.9 U	4 U	3.8 U	3.9 U	4 U	4 U
Aroclor 1221		3.9 U	4 U	3.9 U	4 U	3.9 U	4 U	3.8 U	3.9 U	4 U	4 U
Aroclor 1232		5.9 U	4 U	3.9 U	4 U	3.9 U	7.9 U	3.8 U	3.9 U	4 U	4 U
Aroclor 1242		3.9 U	4 U	3.9 U	4 U	3.9 U	4 U	3.8 U	3.9 U	4 U	4 U
Aroclor 1248		3.9 U	**58**	**62**	**350**	39 U	4 U	**110**	**85**	**320**	**120**
Aroclor 1254		3.9 U	**110**	**120**	**470**	**140**	4 U	**180**	**150**	**470**	**190**
Aroclor 1260		3.9 U	**52**	**62**	**160**	**140**	4 U	**86**	**91**	**180**	**90**
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	5.9 U	**220**	**244**	**980**	**280**	7.9 U	**376**	**326**	**970**	**400**
Pesticides (µg/kg)											
4,4'-DDD (p,p'-DDD)		0.98 U	0.98 U	0.98 U	0.99 U	22 U	0.99 U	0.96 U	0.97 U	0.99 U	0.99 U
4,4'-DDE (p,p'-DDE)		0.98 UJ	3.9 UJ	0.98 UJ	20 UJ	9.2 UJ	0.99 UJ	6.4 UJ	0.97 UJ	16 UJ	12 UJ
4,4'-DDT (p,p'-DDT)		0.98 U	0.98 U	12 U	38 U	19 U	0.99 U	14 U	15 U	33 U	24 U
Aldrin		0.49 U	1.4 U	1.8 U	0.5 U	1 U	0.49 UJ	2.2 UJ	1.9 UJ	5.7 UJ	6.2 UJ
Chlordane, alpha- (Chlordane, cis-)		0.49 UJ	0.49 UJ	0.49 UJ	0.5 UJ	0.48 UJ	0.49 UJ	0.48 UJ	0.48 UJ	0.5 UJ	0.5 UJ
Chlordane, beta- (Chlordane, trans-)		0.49 UJ	0.49 UJ	0.71 UJ	9.6 UJ	2.2 UJ	0.49 UJ	0.48 UJ	0.76 UJ	7.6 UJ	4.7 UJ
Dieldrin		0.98 UJ	0.98 UJ	0.98 UJ	12 UJ	6.7 UJ	0.99 UJ	0.96 UJ	4.4 UJ	10 UJ	7 UJ
Endosulfan sulfate		0.98 U	0.98 U	0.98 U	4.7 U	4.2 U	0.99 U	0.96 U	0.97 U	4.6 U	3.2 U
Endosulfan, alpha- (I)		0.49 UJ	0.49 UJ	0.49 UJ	0.5 UJ	0.48 UJ	0.49 UJ	0.48 UJ	0.48 UJ	0.5 UJ	0.5 UJ
Endosulfan, beta (II)		0.98 U	0.98 U	0.98 U	9.1 U	0.97 U	0.99 U	0.96 U	0.97 U	7.1 U	5.2 U
Endrin		0.98 U	0.98 U	0.98 U	0.99 U	0.97 U	0.99 U	0.96 U	0.97 U	0.99 U	0.99 U
Endrin aldehyde		0.98 UJ	2.2 UJ	2.8 UJ	8.3 UJ	7.4 UJ	0.99 UJ	3 UJ	3.8 UJ	8.2 UJ	6.2 UJ
Endrin ketone		0.98 U	0.98 U	0.98 U	0.99 U	0.97 U	0.99 U	0.96 U	0.97 U	0.99 U	0.99 U
Heptachlor		0.49 U	0.75 U	1 U	4.1 U	1.3 U	0.49 UJ	0.94 UJ	1.1 UJ	3.2 UJ	2.5 UJ
Heptachlor epoxide		0.98 U	0.98 U	0.98 U	25 U	0.97 U	0.99 UJ	0.96 UJ	6.5 UJ	18 UJ	14 UJ
Hexachlorobenzene		0.98 UJ	0.98 UJ	2.1 UJ	2.4 UJ	2.1 UJ	0.99 UJ	1.5 UJ	1.8 UJ	3.3 UJ	3.1 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		0.98 U	0.98 U	0.98 U	0.99 U	0.97 U	0.99 U	0.96 U	0.97 U	0.99 U	0.99 U
Hexachlorocyclohexane (BHC), alpha-		0.49 U	0.49 U	0.49 U	0.5 U	0.48 U	0.49 U	0.48 U	0.48 U	0.5 U	0.5 U
Hexachlorocyclohexane (BHC), beta-		0.49 U	0.49 U	0.49 U	2.4 U	0.48 U	0.49 UJ	1.1 UJ	0.48 UJ	4.9 UJ	3.8 UJ
Hexachlorocyclohexane (BHC), delta-		0.49 U	1.4 U	0.49 U	0.5 U	0.48 U	0.49 UJ	1.2 UJ	0.48 UJ	0.5 UJ	0.5 UJ
Hexachlorocyclohexane (BHC), gamma- (Lindane)		0.49 U	0.53 U	1.2 U	2.1 U	1 U	0.49 U	0.48 U	0.48 U	2.7 U	0.5 U
Methoxychlor		4.9 U	4.9 U	4.9 U	47 U	4.8 U	4.9 U	4.8 U	4.8 U	5 U	31 U
Toxaphene		24 U	25 U	24 U	25 U	24 U	25 UJ	24 UJ	24 UJ	25 UJ	25 UJ

Table 7-8f
Subsurface Sediment Results: PCBs and Pesticides

	Location ID	DSIP2-SB-09_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312
	Depth	8.3 – 10.3 ft	0.5 – 2.5 ft	11.3 – 12.9 ft	2.5 – 4.5 ft	6 – 8 ft	9 – 11 ft	0 – 2 ft	10 – 12 ft	2 – 4 ft	4 – 6 ft
	Sample ID	DSIP2-SB-09-8.3-10.3	DSIP2-SB-10-0.5-2.5	DSIP2-SB-10-11.3-12.9	DSIP2-SB-10-2.5-4.5	DSIP2-SB-10-6-8	DSIP2-SB-10-9-11	DSIP2-SB-11-0-2	DSIP2-SB-11-10-12	DSIP2-SB-11-2-4	DSIP2-SB-11-4-6
	Sample Date	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268064.60	1268039.90	1268039.90	1268039.90	1268039.90	1268039.90	1267949.10	1267949.10	1267949.10	1267949.10
	Y	205002.51	205120.11	205120.11	205120.11	205120.11	205120.11	205009.33	205009.33	205009.33	205009.33
	Screening Level										
PCB Aroclors (mg/kg-OC)											
Aroclor 1016		0.25 U	0.1939 U	0.9069 U	0.2532 U	0.145 U	0.2566 U	1.136 U	0.4071 U	3.267 U	0.2468 U
Aroclor 1221		0.25 U	0.1939 U	0.9069 U	0.2532 U	0.145 U	0.2566 U	1.136 U	0.4071 U	3.267 U	0.2468 U
Aroclor 1232		1.25 U	0.1939 U	1.8138 U	0.2532 U	0.145 U	0.5066 U	1.136 U	1.253 U	3.267 U	0.2468 U
Aroclor 1242		0.25 U	0.1939 U	0.9069 U	0.2532 U	0.145 U	0.2566 U	1.136 U	0.4071 U	3.267 U	0.2468 U
Aroclor 1248		0.25 U	**6.122**	0.9069 U	**9.091**	**6.107**	0.2566 U	**11.364**	0.4071 U	**36.667**	**18.987**
Aroclor 1254		0.25 U	**10.204**	0.9069 U	**15.584**	**7.252**	0.2566 U	**20.455**	0.4071 U	**53.333**	**36.076**
Aroclor 1260		0.25 U	**5.612**	0.9069 U	**6.039**	**6.87**	0.2566 U	**9.659**	0.4071 U	**17.333**	**15.823**
Total PCB Aroclors (SMS Marine 2013) (U = 0)		1.25 U	**21.9388**	1.8138 U	**30.7143**	**20.229**	0.5066 U	**41.477**	1.2526 U	**107.333**	**70.8861**
PCB Aroclors (µg/kg)											
Aroclor 1016		3.8 U	3.8 U	3.8 U	3.9 U	3.8 U	3.9 U	20 U	3.9 U	98 U	3.9 U
Aroclor 1221		3.8 U	3.8 U	3.8 U	3.9 U	3.8 U	3.9 U	20 U	3.9 U	98 U	3.9 U
Aroclor 1232		19 U	3.8 U	7.6 U	3.9 U	3.8 U	7.7 U	20 U	12 U	98 U	3.9 U
Aroclor 1242		3.8 U	3.8 U	3.8 U	3.9 U	3.8 U	3.9 U	20 U	3.9 U	98 U	3.9 U
Aroclor 1248		3.8 U	**120**	3.8 U	**140**	**160**	3.9 U	**200**	3.9 U	**1100**	**300**
Aroclor 1254		3.8 U	**200**	3.8 U	**240**	**190**	3.9 U	**360**	3.9 U	**1600**	**570**
Aroclor 1260		3.8 U	**110**	3.8 U	**93**	**180**	3.9 U	**170**	3.9 U	**520**	**250**
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	19 U	**430**	7.6 U	**473**	**530**	7.7 U	**730**	12 U	**3220**	**1120**
Pesticides (µg/kg)											
4,4'-DDD (p,p'-DDD)		0.96 U	7 U	0.95 U	4.4 U	8.3 U	0.97 U	2 U	0.97 U	12 U	43 U
4,4'-DDE (p,p'-DDE)		0.96 UJ	6.9 U	0.95 U	5.7 U	6.9 U	0.97 U	12 UJ	0.97 UJ	70 UJ	19 UJ
4,4'-DDT (p,p'-DDT)		0.96 U	20 U	0.95 U	14 U	13 U	0.97 U	31 U	1.4 U	120 U	45 U
Aldrin		0.48 UJ	3 U	0.47 U	0.49 U	10 U	1.9 U	1 UJ	0.48 UJ	0.98 UJ	0.48 UJ
Chlordane, alpha- (Chlordane, cis-)		0.48 UJ	0.48 U	0.47 U	0.49 U	0.48 U	0.48 U	1 UJ	0.48 UJ	0.98 UJ	0.48 UJ
Chlordane, beta- (Chlordane, trans-)		0.48 UJ	5.5 U	0.47 U	3.8 U	4.6 U	0.48 U	6.2 UJ	0.48 UJ	28 UJ	8.4 UJ
Dieldrin		0.96 UJ	5.8 U	0.95 U	3.6 U	5.3 U	0.97 U	7.8 UJ	0.97 UJ	31 UJ	15 UJ
Endosulfan sulfate		0.96 U	0.95 U	0.95 U	0.97 U	3.9 U	0.97 U	2 U	0.97 U	2 U	7.1 U
Endosulfan, alpha- (I)		0.48 UJ	0.48 U	0.47 U	0.49 U	0.48 U	0.48 U	1 UJ	0.48 UJ	2 UJ	1 UJ
Endosulfan, beta (II)		0.96 U	4.1 U	0.95 U	0.97 U	4.3 U	0.97 U	2 U	0.97 U	31 U	9.8 U
Endrin		0.96 U	9.7 U	0.95 U	6.2 U	10 U	0.97 U	2 U	0.97 U	2 U	0.97 U
Endrin aldehyde		0.96 UJ	4.3 UJ	0.95 UJ	3.1 UJ	7.2 UJ	0.97 UJ	7.2 UJ	0.97 UJ	22 UJ	11 UJ
Endrin ketone		0.96 U	0.95 U	0.95 U	0.97 U	0.96 U	0.97 U	2 U	0.97 U	2 U	0.97 U
Heptachlor		0.48 UJ	0.89 U	0.47 U	1.1 U	1.4 U	0.48 U	2 UJ	0.48 UJ	8.8 UJ	2.7 UJ
Heptachlor epoxide		0.96 UJ	9.2 U	0.95 U	6.5 U	8.6 U	0.97 U	15 UJ	0.97 UJ	75 UJ	24 UJ
Hexachlorobenzene		0.96 UJ	1.6 UJ	0.95 UJ	2.1 UJ	2.5 UJ	0.97 UJ	2 UJ	0.97 UJ	2 UJ	2.5 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		0.96 U	0.95 U	0.95 U	0.97 U	0.96 U	0.97 U	2 U	0.97 U	2 U	0.97 U
Hexachlorocyclohexane (BHC), alpha-		0.48 U	0.48 U	0.47 U	0.49 U	0.48 U	0.48 U	10 U	0.48 U	0.98 U	0.48 U
Hexachlorocyclohexane (BHC), beta-		0.48 UJ	1.9 U	1.5 U	1.8 U	3 U	0.98 U	1 UJ	0.48 UJ	8.2 UJ	2.9 UJ
Hexachlorocyclohexane (BHC), delta-		0.48 UJ	0.48 U	0.47 U	0.49 U	1.8 U	0.48 U	1 UJ	0.48 UJ	0.98 UJ	0.48 UJ
Hexachlorocyclohexane (BHC), gamma- (Lindane)		0.48 U	1.2 U	0.47 U	0.97 U	1.2 U	0.7 U	1 U	0.48 U	4.5 U	1.9 U
Methoxychlor		4.8 U	4.8 U	4.7 U	4.9 U	4.8 U	4.8 U	10 U	4.8 U	9.8 U	4.8 U
Toxaphene		24 UJ	24 U	24 U	24 U	24 U	24 U	50 UJ	24 UJ	49 UJ	24 UJ

Table 7-8f
Subsurface Sediment Results: PCBs and Pesticides

	Location ID	DSIP2-SB-11_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312
	Depth	6.3 – 8.3 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	6.5 – 8.5 ft	6.5 – 8.5 ft	8.5 – 10.3 ft	0.3 – 2.3 ft	2.3 – 4.3 ft	5 – 7.5 ft
	Sample ID	DSIP2-SB-11-6.3-8.3	DSIP2-SB-12-0-2	DSIP2-SB-12-2-4	DSIP2-SB-12-4.5-6.5	DSIP2-SB-12-6.5-8.5	DSIP2-SB-62-6.5-8.5	DSIP2-SB-12-8.5-10.3	DSIP2-SB-14-0.3-2.3	DSIP2-SB-14-2.3-4.3	DSIP2-SB-14-5-7.5
	Sample Date	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013
	Sample Type	N	N	N	N	N	FD	N	N	N	N
	X	1267949.10	1268085.51	1268085.51	1268085.51	1268085.51	1268085.51	1268085.51	1268107.89	1268107.89	1268107.89
	Y	205009.33	204804.91	204804.91	204804.91	204804.91	204804.91	204804.91	204304.40	204304.40	204304.40
	Screening Level										
PCB Aroclors (mg/kg-OC)											
Aroclor 1016		0.1618 U	0.1688 U	0.1781 U	0.2353 U	0.1939 U	0.1835 U	0.8352 U	0.1483 UJ	0.1827 UJ	2.1714 UJ
Aroclor 1221		0.1618 U	0.1688 U	0.1781 U	0.2353 U	0.1939 U	0.1835 U	0.8352 U	0.1483 UJ	0.1827 UJ	2.1714 UJ
Aroclor 1232		0.1618 U	0.1688 U	0.1781 U	0.2353 U	0.1939 U	0.1835 U	0.8352 U	0.1483 UJ	0.1827 UJ	3.2571 UJ
Aroclor 1242		0.1618 U	0.1688 U	0.1781 U	0.2353 U	0.1939 U	0.1835 U	0.8352 U	0.1483 UJ	0.1827 UJ	2.1714 UJ
Aroclor 1248		3.237 U	**2.954**	**3.79**	**7.647**	**23.469**	**31.651**	**18.681**	**2.167 J**	**3.462 J**	2.1714 UJ
Aroclor 1254		**10.788**	**5.485**	**7.763**	**15.294**	**36.735**	**64.22**	**21.978**	**3.536 J**	**9.135 J**	2.1714 UJ
Aroclor 1260		**4.564**	**2.954**	**3.79**	**7.059**	**13.265**	**19.725**	**10.549**	**2.51 J**	**3.462 J**	2.1714 UJ
Total PCB Aroclors (SMS Marine 2013) (U = 0)		**15.3527**	**11.3924**	**15.3425**	**30**	**73.4694**	**115.5963**	**51.2088**	**8.2129 J**	**16.0577 J**	3.2571 UJ
PCB Aroclors (µg/kg)											
Aroclor 1016		3.9 U	4 U	3.9 U	4 U	3.8 U	4 U	3.8 U	3.9 UJ	3.8 UJ	3.8 UJ
Aroclor 1221		3.9 U	4 U	3.9 U	4 U	3.8 U	4 U	3.8 U	3.9 UJ	3.8 UJ	3.8 UJ
Aroclor 1232		3.9 U	4 U	3.9 U	4 U	3.8 U	4 U	3.8 U	3.9 UJ	3.8 UJ	5.7 UJ
Aroclor 1242		3.9 U	4 U	3.9 U	4 U	3.8 U	4 U	3.8 U	3.9 UJ	3.8 UJ	3.8 UJ
Aroclor 1248		78 U	**70**	**83**	**130**	**460**	**690**	**85**	**57 J**	**72 J**	3.8 UJ
Aroclor 1254		**260**	**130**	**170**	**260**	**720**	**1400**	**100**	**93 J**	**190 J**	3.8 UJ
Aroclor 1260		**110**	**70**	**83**	**120**	**260**	**430**	**48**	**66 J**	**72 J**	3.8 UJ
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	**370**	**270**	**336**	**510**	**1440**	**2520**	**233**	**216 J**	**334 J**	5.7 UJ
Pesticides (µg/kg)											
4,4'-DDD (p,p'-DDD)		0.98 U	1 U	0.97 U	0.99 U	**110**	**140**	3.9 U	1.9 U	7 U	0.94 U
4,4'-DDE (p,p'-DDE)		10 UJ	1 UJ	0.97 UJ	15 UJ	25 UJ	35 UJ	0.96 UJ	0.98 UJ	1.9 UJ	0.94 UJ
4,4'-DDT (p,p'-DDT)		23 U	1 U	0.97 U	30 U	45 U	80 U	8.2 U	0.98 U	8.7 U	0.94 U
Aldrin		2.6 UJ	1.4 U	3.8 U	3.8 U	0.48 U	0.99 U	2.7 U	2.2 U	3.4 U	0.47 U
Chlordane, alpha- (Chlordane, cis-)		0.49 UJ	0.5 U	0.49 U	0.49 U	0.48 U	0.99 U	0.48 U	0.49 U	0.96 U	0.47 U
Chlordane, beta- (Chlordane, trans-)		3.9 UJ	2.4 UJ	0.73 UJ	5 UJ	9.8 UJ	16 UJ	1.9 UJ	1.2 UJ	2.2 UJ	0.47 UJ
Dieldrin		6.5 UJ	3.1 UJ	3.4 UJ	8.9 UJ	14 UJ	20 UJ	0.96 UJ	0.98 UJ	1.9 UJ	0.94 UJ
Endosulfan sulfate		11 U	1 U	0.97 U	0.99 U	0.96 U	2 U	0.96 U	0.98 U	1.9 U	0.94 U
Endosulfan, alpha- (I)		0.49 UJ	0.5 UJ	0.49 UJ	0.49 UJ	1.9 UJ	2.8 UJ	0.48 UJ	0.49 UJ	0.96 UJ	0.47 UJ
Endosulfan, beta (II)		0.98 U	1 U	0.97 U	6 U	12 U	16 U	0.96 U	0.98 U	1.9 U	0.94 U
Endrin		0.98 U	1 U	0.97 U	0.99 U	0.96 U	2 U	0.96 U	7 U	1.9 U	0.94 U
Endrin aldehyde		9.1 UJ	2.4 UJ	2.5 UJ	7 UJ	7.2 UJ	13 UJ	3.1 UJ	2.3 UJ	3.3 UJ	0.94 UJ
Endrin ketone		12 U	1 U	0.97 U	0.99 U	0.96 U	2 U	4.5 U	0.98 U	1.9 U	0.94 U
Heptachlor		2.2 UJ	0.5 U	0.49 U	1.4 U	3.1 U	5.3 U	0.94 U	0.49 U	0.96 U	0.47 U
Heptachlor epoxide		4.5 UJ	5.1 U	5.5 U	14 U	29 U	42 U	0.96 U	3 U	4.6 U	0.94 U
Hexachlorobenzene		2.3 UJ	1 UJ	0.97 UJ	0.99 UJ	0.96 UJ	2.8 UJ	0.96 UJ	0.98 UJ	1.9 UJ	0.94 UJ
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		0.98 U	1 U	0.97 U	0.99 U	0.96 U	2 U	0.96 U	0.98 U	1.9 U	0.94 U
Hexachlorocyclohexane (BHC), alpha-		4 U	0.5 U	0.49 U	0.49 U	0.48 U	0.99 U	0.48 U	0.49 U	0.96 U	0.47 U
Hexachlorocyclohexane (BHC), beta-		2.6 UJ	0.5 U	0.89 U	1.2 U	1.7 U	4 U	5.1 U	1.5 U	0.96 U	3.1 U
Hexachlorocyclohexane (BHC), delta-		0.49 UJ	2.2 U	0.49 U	0.49 U	0.48 U	0.99 U	0.48 U	1.4 U	0.96 U	0.47 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)		1.2 U	0.6 U	1 U	1.1 U	1.4 U	3.2 U	1.6 U	1.1 U	2.2 U	0.47 U
Methoxychlor		4.9 U	5 U	4.9 U	4.9 U	4.8 U	9.9 U	4.8 U	4.9 U	9.6 U	4.7 U
Toxaphene		24 UJ	25 U	24 U	25 U	24 U	49 U	24 U	25 U	48 U	24 U

Table 7-8f
Subsurface Sediment Results: PCBs and Pesticides

	Location ID	DSIP2-SB-14_1312	DSI-SB-01	DSI-SB-01	DSI-SB-01	DSI-SB-01	DSI-SB-01	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-03	DSI-SB-03
	Depth	8 – 10 ft	1 – 2 ft	2 – 3.1 ft	3.1 – 4 ft	5 – 6 ft	6 – 7 ft	1 – 2.3 ft	3.7 – 5.2 ft	5.2 – 7 ft	8.5 – 10 ft	1 – 2 ft	10.4 – 11.1 ft
	Sample ID	DSIP2-SB-14-8-10	DSI-SB-01-1-2	DSI-SB-01-2-3.1	DSI-SB-01-3.1-4	DSI-SB-01-5-6	DSI-SB-01-6-7	DSI-SB-02-1-2.3	DSI-SB-02-3.7-5.2	DSI-SB-02-5.2-7	DSI-SB-02-8.5-10	DSI-SB-03-1-2	DSI-SB-03-10.4-11.1
	Sample Date	12/17/2013	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1268107.89	1268042.69	1268042.69	1268042.69	1268042.69	1268042.69	1268229.03	1268229.03	1268229.03	1268229.03	1268175.77	1268175.77
	Y	204304.40	204252.04	204252.04	204252.04	204252.04	204252.04	204122.15	204122.15	204122.15	204122.15	204299.56	204299.56
	Screening Level												
PCB Aroclors (mg/kg-OC)													
Aroclor 1016		1.2662 UJ	0.2235 U	3.016 U	0.7631 U	2.0968 U	--	0.1618 U	0.578 U	0.4623 U	0.5954 U	0.1361 U	1.735 U
Aroclor 1221		1.2662 UJ	0.2235 U	3.016 U	0.7631 U	2.0968 U	--	0.1618 U	0.578 U	0.4623 U	0.5954 U	0.1361 U	1.735 U
Aroclor 1232		1.8831 UJ	0.2235 U	3.016 U	0.7631 U	2.0968 U	--	0.1618 U	0.578 U	0.4623 U	0.5954 U	0.1361 U	1.735 U
Aroclor 1242		1.2662 UJ	0.2235 U	3.016 U	0.7631 U	2.0968 U	--	0.1618 U	0.578 U	0.4623 U	0.5954 U	0.1361 U	1.735 U
Aroclor 1248		1.2662 UJ	**1.647**	**23.016**	7.631 U	2.0968 U	--	1.203 U	**7.225**	**8.273**	0.5954 U	**1.088**	**22.374**
Aroclor 1254		1.2662 UJ	**2.353**	**38.889**	**14.458**	**2.3118**	--	**1.909**	**7.514**	**8.759**	0.5954 U	**1.395**	**38.356**
Aroclor 1260		1.2662 UJ	**1.471**	**15.079**	**5.221**	2.0968 U	--	**1.452**	**6.358**	**3.406**	0.5954 U	**0.986**	**11.872**
Total PCB Aroclors (SMS Marine 2013) (U = 0)		1.8831 UJ	**5.4706**	**76.984**	**19.6787**	**2.3118**	--	**3.361**	**21.098**	**20.438**	0.5954 U	**3.4694**	**72.603**
PCB Aroclors (µg/kg)													
Aroclor 1016		3.9 UJ	3.8 U	38 U	3.8 U	3.9 U	--	3.9 U	20 U	3.8 U	3.9 U	4 U	38 U
Aroclor 1221		3.9 UJ	3.8 U	38 U	3.8 U	3.9 U	--	3.9 U	20 U	3.8 U	3.9 U	4 U	38 U
Aroclor 1232		5.8 UJ	3.8 U	38 U	3.8 U	3.9 U	--	3.9 U	20 U	3.8 U	3.9 U	4 U	38 U
Aroclor 1242		3.9 UJ	3.8 U	38 U	3.8 U	3.9 U	--	3.9 U	20 U	3.8 U	3.9 U	4 U	38 U
Aroclor 1248		3.9 UJ	**28**	**290**	38 U	3.9 U	--	29 U	**250**	**68**	3.9 U	**32**	**490**
Aroclor 1254		3.9 UJ	**40**	**490**	**72**	**4.3**	--	**46**	**260**	**72**	3.9 U	**41**	**840**
Aroclor 1260		3.9 UJ	**25**	**190**	**26**	3.9 U	--	**35**	**220**	**28**	3.9 U	**29**	**260**
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	5.8 UJ	**93**	**970**	**98**	**4.3**	--	**81**	**730**	**168**	3.9 U	**102**	**1590**
Pesticides (µg/kg)													
4,4'-DDD (p,p'-DDD)		0.96 U	2 U	2 U	--	2 U	--	2 U	9.7 U	--	--	2 U	--
4,4'-DDE (p,p'-DDE)		0.96 UJ	2 U	2 U	--	2 U	--	2 U	9.7 U	--	--	2 U	--
4,4'-DDT (p,p'-DDT)		0.96 UJ	2 U	**11**	--	2 U	--	3.5 U	9.7 U	--	--	4.4 U	--
Aldrin		0.48 U	0.99 U	0.98 U	--	0.98 U	--	0.97 U	4.8 U	--	--	0.99 U	--
Chlordane, alpha- (Chlordane, cis-)		0.48 U	0.99 U	0.98 U	--	0.98 U	--	0.97 U	4.8 U	--	--	0.99 U	--
Chlordane, beta- (Chlordane, trans-)		0.48 UJ	0.99 U	0.98 U	--	0.98 U	--	0.97 U	4.8 U	--	--	0.99 U	--
Dieldrin		0.96 UJ	2 U	2 U	--	2 U	--	2 U	9.7 U	--	--	2 U	--
Endosulfan sulfate		0.96 U	2 UJ	2 UJ	--	2 UJ	--	2 U	9.7 U	--	--	2 U	--
Endosulfan, alpha- (I)		0.48 UJ	0.99 U	0.98 U	--	0.98 U	--	0.97 U	4.8 U	--	--	0.99 U	--
Endosulfan, beta (II)		0.96 U	2 U	2 U	--	2 U	--	2 U	9.7 U	--	--	2 U	--
Endrin		0.96 U	2 U	2 U	--	2 U	--	2 U	9.7 U	--	--	2 U	--
Endrin aldehyde		0.96 UJ	2 UJ	2 UJ	--	2 UJ	--	**3.4 J**	9.7 U	--	--	2 U	--
Endrin ketone		0.96 U	2 U	2 U	--	2 U	--	2 U	9.7 U	--	--	2 U	--
Heptachlor		0.48 UJ	0.99 U	0.98 U	--	0.98 U	--	0.97 U	4.8 U	--	--	0.99 U	--
Heptachlor epoxide		0.96 U	0.99 U	5.3 U	--	0.98 U	--	0.97 U	5.6 U	--	--	0.99 U	--
Hexachlorobenzene		0.96 UJ	0.99 U	0.98 U	--	0.98 U	--	0.97 U	4.8 U	--	--	0.99 U	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		0.96 UJ	0.99 U	0.98 U	--	0.98 U	--	0.97 U	4.8 U	--	--	0.99 U	--
Hexachlorocyclohexane (BHC), alpha-		0.48 U	0.99 U	0.98 U	--	0.98 U	--	0.97 U	4.8 U	--	--	0.99 U	--
Hexachlorocyclohexane (BHC), beta-		1.4 U	0.99 U	0.98 U	--	0.98 U	--	0.97 U	4.8 U	--	--	0.99 U	--
Hexachlorocyclohexane (BHC), delta-		0.48 UJ	0.99 UJ	0.98 UJ	--	0.98 UJ	--	0.97 UJ	4.8 UJ	--	--	0.99 UJ	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)		0.48 U	0.99 U	0.98 U	--	0.98 U	--	0.97 U	4.8 U	--	--	0.99 U	--
Methoxychlor		4.8 UJ	9.9 U	9.8 U	--	9.8 U	--	9.7 U	48 U	--	--	9.9 U	--
Toxaphene		24 U	99 U	98 U	--	98 U	--	97 U	480 U	--	--	99 U	--

Table 7-8f
Subsurface Sediment Results: PCBs and Pesticides

	Location ID	DSI-SB-03	DSI-SB-03	DSI-SB-03	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-04	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-05
	Depth	11.1 – 11.6 ft	5.8 – 7 ft	9.5 – 10.4 ft	1 – 2 ft	4 – 5 ft	7 – 8.3 ft	8.3 – 9.3 ft	9.3 – 10.9 ft	1 – 2 ft	3 – 4 ft	6 – 7 ft	8 – 9.3 ft
	Sample ID	DSI-SB-03-11.1-11.6	DSI-SB-03-5.8-7	DSI-SB-03-9.5-10.4	DSI-SB-04-1-2	DSI-SB-04-4-5	DSI-SB-04-7-8.3	DSI-SB-04-8.3-9.3	DSI-SB-04-9.3-10.9	DSI-SB-05-1-2	DSI-SB-05-3-4	DSI-SB-05-6-7	DSI-SB-05-8-9.3
	Sample Date	3/14/2011	3/14/2011	3/14/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
	X	1268175.77	1268175.77	1268175.77	1268149.81	1268149.81	1268149.81	1268149.81	1268149.81	1268087.01	1268087.01	1268087.01	1268087.01
	Y	204299.56	204299.56	204299.56	204408.42	204408.42	204408.42	204408.42	204408.42	204645.92	204645.92	204645.92	204645.92
	Screening Level												
PCB Aroclors (mg/kg-OC)													
Aroclor 1016		0.3866 U	0.2254 U	0.763 U	0.1575 U	0.3017 U	4.545 U	1.992 U	0.5588 U	0.2108 U	0.1583 U	0.2176 U	30.159 U
Aroclor 1221		0.3866 U	0.2254 U	0.763 U	0.1575 U	0.3017 U	4.545 U	1.992 U	0.5588 U	0.2108 U	0.1583 U	0.2176 U	30.159 U
Aroclor 1232		0.3866 U	0.2254 U	0.763 U	0.1575 U	0.3017 U	4.545 U	1.992 U	0.5588 U	0.2108 U	0.1583 U	0.2176 U	30.159 U
Aroclor 1242		0.3866 U	0.2254 U	0.763 U	0.1575 U	0.3017 U	4.545 U	1.992 U	0.5588 U	0.2108 U	0.1583 U	0.2176 U	30.159 U
Aroclor 1248		**1.358**	1.676 U	5.622 U	**2.953**	**7.851**	**47.879**	**40.881**	0.5588 U	**3.459**	**1**	**5**	301.587 U
Aroclor 1254		**2.299**	**3.41**	**14.859**	**3.937**	**9.504**	**78.788**	**67.086**	0.5588 U	**5.243**	**2**	**8.235**	**706.349**
Aroclor 1260		**0.8255**	**1.561**	**4.418**	**2.323**	**3.719**	**23.03**	**17.82**	0.5588 U	**4.162**	**1.5**	**3.824**	75.397 U
Total PCB Aroclors (SMS Marine 2013) (U = 0)		**4.4828**	**4.9711**	**19.277**	**9.2126**	**21.0744**	**149.697**	**125.786**	0.5588 U	**12.8649**	**4.5**	**17.0588**	**706.349**
PCB Aroclors (µg/kg)													
Aroclor 1016		3.7 U	3.9 U	19 U	4 U	7.3 U	75 U	19 U	3.8 U	3.9 U	3.8 U	3.7 U	380 U
Aroclor 1221		3.7 U	3.9 U	19 U	4 U	7.3 U	75 U	19 U	3.8 U	3.9 U	3.8 U	3.7 U	380 U
Aroclor 1232		3.7 U	3.9 U	19 U	4 U	7.3 U	75 U	19 U	3.8 U	3.9 U	3.8 U	3.7 U	380 U
Aroclor 1242		3.7 U	3.9 U	19 U	4 U	7.3 U	75 U	19 U	3.8 U	3.9 U	3.8 U	3.7 U	380 U
Aroclor 1248		**13**	29 U	140 U	**75**	**190**	**790**	**390**	3.8 U	**64**	**24**	**85**	3800 U
Aroclor 1254		**22**	**59**	**370**	**100**	**230**	**1300**	**640**	3.8 U	**97**	**48**	**140**	**8900**
Aroclor 1260		**7.9**	**27**	**110**	**59**	**90**	**380**	**170**	3.8 U	**77**	**36**	**65**	950 U
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	**42.9**	**86**	**480**	**234**	**510**	**2470**	**1200**	3.8 U	**238**	**108**	**290**	**8900**
Pesticides (µg/kg)													
4,4'-DDD (p,p'-DDD)		--	2 U	1.9 U	2 U	2 U	16 U	--	--	2 U	--	2 U	9.8 U
4,4'-DDE (p,p'-DDE)		--	2 U	8 U	2 U	2 U	**15 J**	--	--	2 U	--	2 U	**25**
4,4'-DDT (p,p'-DDT)		--	4.5 U	23 U	**3.6**	6.3 U	**76 J**	--	--	**5.6**	--	**3.4**	**130**
Aldrin		--	0.98 U	0.97 U	0.99 U	1.2 U	4.7 U	--	--	0.99 U	--	0.98 U	4.9 U
Chlordane, alpha- (Chlordane, cis-)		--	0.98 U	0.97 U	0.99 U	0.98 U	0.98 U	--	--	0.99 U	--	0.98 U	4.9 U
Chlordane, beta- (Chlordane, trans-)		--	0.98 U	0.97 U	0.99 U	0.98 U	0.98 U	--	--	0.99 U	--	0.98 U	4.9 U
Dieldrin		--	2 U	1.9 U	2 U	2 U	25 U	--	--	2 U	--	2 U	41 U
Endosulfan sulfate		--	2 U	1.9 U	2 UJ	2 UJ	28 UJ	--	--	27 UJ	--	2 UJ	9.8 UJ
Endosulfan, alpha- (I)		--	0.98 U	0.97 U	0.99 U	0.98 U	3.6 U	--	--	0.99 U	--	0.98 U	4.9 U
Endosulfan, beta (II)		--	2 U	1.9 U	2 U	2 U	2 U	--	--	2 U	--	2 U	9.8 U
Endrin		--	2 U	9.9 U	2 U	2 U	20 U	--	--	2 U	--	2 U	9.8 U
Endrin aldehyde		--	2 U	4 U	2 UJ	2 UJ	5 UJ	--	--	2 UJ	--	2 UJ	35 UJ
Endrin ketone		--	2 U	1.9 U	2 U	5.3 U	2 U	--	--	2 U	--	2 U	48 U
Heptachlor		--	0.98 U	0.97 U	0.99 U	0.98 U	0.98 U	--	--	0.99 U	--	0.98 U	4.9 U
Heptachlor epoxide		--	1.9 U	9.8 U	1.6 U	4 U	21 U	--	--	2.3 U	--	0.98 U	36 U
Hexachlorobenzene		--	0.98 U	0.97 U	0.99 U	1.6 U	0.98 U	--	--	0.99 U	--	0.98 U	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	0.98 U	0.97 U	0.99 U	0.98 U	0.98 U	--	--	0.99 U	--	0.98 U	--
Hexachlorocyclohexane (BHC), alpha-		--	0.98 U	0.97 U	0.99 U	0.98 U	0.98 U	--	--	0.99 U	--	0.98 U	4.9 U
Hexachlorocyclohexane (BHC), beta-		--	0.98 U	0.97 U	0.99 U	3.1 U	1.9 U	--	--	0.99 U	--	0.98 U	4.9 U
Hexachlorocyclohexane (BHC), delta-		--	0.98 UJ	0.97 UJ	0.99 UJ	0.98 UJ	0.98 UJ	--	--	0.99 UJ	--	0.98 UJ	4.9 UJ
Hexachlorocyclohexane (BHC), gamma- (Lindane)		--	0.98 U	0.97 U	0.99 U	4.2 U	0.98 U	--	--	0.99 U	--	0.98 U	4.9 U
Methoxychlor		--	9.8 U	19 U	9.9 U	9.8 U	28 U	--	--	9.9 U	--	9.8 U	49 U
Toxaphene		--	98 U	97 U	99 U	98 U	250 U	--	--	99 U	--	98 U	490 U

Table 7-8f
Subsurface Sediment Results: PCBs and Pesticides

	Location ID	DSI-SB-05	DSI-SB-06	DSI-SB-06	DSI-SB-06	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-07	DSI-SB-08	DSI-SB-08
	Depth	9.3 – 11 ft	1 – 2 ft	5 – 6.5 ft	9.6 – 11 ft	1 – 2 ft	10.5 – 11.9 ft	11.9 – 12.3 ft	3.5 – 4.5 ft	6.5 – 7.5 ft	1 – 2 ft	12 – 13.3 ft
	Sample ID	DSI-SB-05-9.3-11	DSI-SB-06-1-2	DSI-SB-06-5-6.5	DSI-SB-06-9.6-11	DSI-SB-07-1-2	DSI-SB-07-10.5-11.9	DSI-SB-07-11.9-12.3	DSI-SB-07-3.5-4.5	DSI-SB-07-6.5-7.5	DSI-SB-08-1-2	DSI-SB-08-12-13.3
	Sample Date	3/10/2011	3/11/2011	3/11/2011	3/11/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/9/2011	3/11/2011	3/11/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N
	X	1268087.01	1268024.88	1268024.88	1268024.88	1267979.72	1267979.72	1267979.72	1267979.72	1267979.72	1268253.10	1268253.10
	Y	204645.92	204754.84	204754.84	204754.84	204866.56	204866.56	204866.56	204866.56	204866.56	204225.29	204225.29
	Screening Level											
PCB Aroclors (mg/kg-OC)												
Aroclor 1016		1.2025 U	0.719 U	0.881 U	0.3551 U	0.1633 U	3.901 U	0.4064 U	6.533 U	1.681 U	0.137 U	0.855 U
Aroclor 1221		1.2025 U	0.719 U	0.881 U	0.3551 U	0.1633 U	3.901 U	0.4064 U	6.533 U	1.681 U	0.137 U	0.855 U
Aroclor 1232		1.2025 U	0.719 U	0.881 U	0.3551 U	0.1633 U	3.901 U	0.4064 U	6.533 U	1.681 U	0.137 U	0.855 U
Aroclor 1242		1.2025 U	0.719 U	0.881 U	0.3551 U	0.1633 U	3.901 U	0.4064 U	6.533 U	1.681 U	0.137 U	0.855 U
Aroclor 1248		1.2025 U	**4.317**	**21.145**	1.402 U	**3.714**	**15.385**	1.176 U	**60.302**	**21.849**	1.027 U	**18.376**
Aroclor 1254		1.2025 U	**7.554**	**22.907**	**2.71**	**6.122**	**23.077**	**1.604**	**70.352**	**34.034**	**1.747**	**22.65**
Aroclor 1260		1.2025 U	**3.022**	**6.167**	**1.776**	**3.184**	**8.791**	**1.176**	**18.593**	**26.05**	**1.027**	**5.983**
Total PCB Aroclors (SMS Marine 2013) (U = 0)		1.2025 U	**14.892**	**50.22**	**4.486**	**13.0204**	**47.253**	**2.7807**	**149.246**	**81.933**	**2.774**	**47.009**
PCB Aroclors (µg/kg)												
Aroclor 1016		3.8 U	20 U	20 U	3.8 U	4 U	71 U	3.8 U	130 U	40 U	4 U	20 U
Aroclor 1221		3.8 U	20 U	20 U	3.8 U	4 U	71 U	3.8 U	130 U	40 U	4 U	20 U
Aroclor 1232		3.8 U	20 U	20 U	3.8 U	4 U	71 U	3.8 U	130 U	40 U	4 U	20 U
Aroclor 1242		3.8 U	20 U	20 U	3.8 U	4 U	71 U	3.8 U	130 U	40 U	4 U	20 U
Aroclor 1248		3.8 U	**120**	**480**	15 U	**91**	**280**	11 U	**1200**	**520**	30 U	**430**
Aroclor 1254		3.8 U	**210**	**520**	**29**	**150**	**420**	**15**	**1400**	**810**	**51**	**530**
Aroclor 1260		3.8 U	**84**	**140**	**19**	**78**	**160**	**11**	**370**	**620**	**30**	**140**
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	3.8 U	**414**	**1140**	**48**	**319**	**860**	**26**	**2970**	**1950**	**81**	**1100**
Pesticides (µg/kg)												
4,4'-DDD (p,p'-DDD)		--	--	10 U	1.9 U	2 U	2 U	--	**15 J**	--	3.9 U	**40**
4,4'-DDE (p,p'-DDE)		--	--	21 U	1.9 U	2 U	2 U	--	**9.8 J**	--	14 U	9.7 U
4,4'-DDT (p,p'-DDT)		--	--	46 U	3.9 U	18 U	2 U	--	**40**	--	56 U	**60**
Aldrin		--	--	5 U	0.97 U	0.99 U	0.98 U	--	2.3 U	--	0.99 U	4.8 U
Chlordane, alpha- (Chlordane, cis-)		--	--	5 U	0.97 U	0.99 U	0.98 U	--	0.98 U	--	0.99 U	4.8 U
Chlordane, beta- (Chlordane, trans-)		--	--	5 U	0.97 U	0.99 U	0.98 U	--	0.98 U	--	0.99 U	4.8 U
Dieldrin		--	--	10 U	1.9 U	2 U	2 U	--	16 U	--	2 U	9.7 U
Endosulfan sulfate		--	--	10 U	1.9 U	2 UJ	2 UJ	--	2 UJ	--	2 U	9.7 U
Endosulfan, alpha- (I)		--	--	5 U	0.97 U	0.99 U	0.98 U	--	0.98 U	--	21 U	4.8 U
Endosulfan, beta (II)		--	--	10 U	1.9 U	2 U	2 U	--	2 U	--	30 U	9.7 U
Endrin		--	--	21 U	1.9 U	2 U	2 U	--	14 U	--	37 U	9.7 U
Endrin aldehyde		--	--	10 U	1.9 U	2 UJ	2 UJ	--	4 UJ	--	13 U	9.7 U
Endrin ketone		--	--	10 U	1.9 U	2 U	2 U	--	2 U	--	2 U	9.7 U
Heptachlor		--	--	5 U	0.97 U	0.99 U	0.98 U	--	0.98 U	--	0.99 U	4.8 U
Heptachlor epoxide		--	--	32 U	1.5 U	0.99 U	2.5 U	--	13 U	--	21 U	21 U
Hexachlorobenzene		--	--	--	0.97 U	0.99 U	0.98 U	--	0.98 U	--	0.99 U	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	0.97 U	0.99 U	0.98 U	--	0.98 U	--	0.99 U	--
Hexachlorocyclohexane (BHC), alpha-		--	--	5 U	0.97 U	0.99 U	0.98 U	--	0.98 U	--	0.99 U	4.8 U
Hexachlorocyclohexane (BHC), beta-		--	--	5 U	0.97 U	0.99 U	0.98 U	--	0.98 U	--	0.99 U	4.8 U
Hexachlorocyclohexane (BHC), delta-		--	--	5 UJ	0.97 UJ	0.99 UJ	0.98 UJ	--	0.98 UJ	--	0.99 UJ	**6.8 J**
Hexachlorocyclohexane (BHC), gamma- (Lindane)		--	--	5 U	0.97 U	0.99 U	0.98 U	--	0.98 U	--	0.99 U	4.8 U
Methoxychlor		--	--	50 U	9.7 U	18 U	9.8 U	--	24 U	--	87 U	48 U
Toxaphene		--	--	500 U	97 U	99 U	98 U	--	98 U	--	99 U	480 U

Table 7-8f
Subsurface Sediment Results: PCBs and Pesticides

	Location ID	DSI-SB-08	DSI-SB-08	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-10	DSI-SB-10	DSI-SB-10
	Depth	4 – 5 ft	7 – 8.7 ft	1 – 2 ft	11 – 12.1 ft	12.1 – 12.6 ft	4.5 – 5.5 ft	8.5 – 10 ft	8.5 – 10 ft	1 – 2 ft	10 – 11 ft	5.5 – 7 ft
	Sample ID	DSI-SB-08-4-5	DSI-SB-08-7-8.7	DSI-SB-09-1-2	DSI-SB-09-11-12.1	DSI-SB-09-12.1-12.6	DSI-SB-09-4.5-5.5	DSI-SB-09-8.5-10	DSI-SB-59-8.5-10	DSI-SB-10-1-2	DSI-SB-10-10-11	DSI-SB-10-5.5-7
	Sample Date	3/11/2011	3/11/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011	3/14/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N	N	N	N	N	FD	N	N	N
	X	1268253.10	1268253.10	1268195.47	1268195.47	1268195.47	1268195.47	1268195.47	1268195.47	1268117.63	1268117.63	1268117.63
	Y	204225.29	204225.29	204416.39	204416.39	204416.39	204416.39	204416.39	204416.39	204532.11	204532.11	204532.11
	Screening Level											
PCB Aroclors (mg/kg-OC)												
Aroclor 1016		0.1863 U	1.923 U	0.1638 U	2.147 U	2.235 U	8.466 U	3.707 U	2.468 U	0.1388 U	1.4717 U	1.538 U
Aroclor 1221		0.1863 U	1.923 U	0.1638 U	2.147 U	2.235 U	8.466 U	3.707 U	2.468 U	0.1388 U	1.4717 U	1.538 U
Aroclor 1232		0.1863 U	1.923 U	0.1638 U	2.147 U	2.235 U	8.466 U	3.707 U	2.468 U	0.1388 U	1.4717 U	1.538 U
Aroclor 1242		0.1863 U	1.923 U	**2.629**	2.147 U	2.235 U	8.466 U	3.707 U	2.468 U	0.1388 U	1.4717 U	1.538 U
Aroclor 1248		**3.725**	19.231 U	0.1638 U	**17.514**	**37.059**	**100.529**	**37.561**	**31.646**	**1.815**	1.4717 U	**15.385**
Aroclor 1254		**6.863**	**40.385**	**1.94**	**23.729**	**51.176**	**179.894**	**68.293**	**53.165**	**2.242**	1.4717 U	**21.538**
Aroclor 1260		**4.706**	**8.558**	**1.164**	**47.458**	**8.235**	**63.492**	**78.049**	**50**	**1.423**	1.4717 U	**10**
Total PCB Aroclors (SMS Marine 2013) (U = 0)		**15.2941**	**48.942**	**5.7328**	**88.701**	**96.471**	**343.915**	**183.902**	**134.81**	**5.4804**	1.4717 U	**46.923**
PCB Aroclors (µg/kg)												
Aroclor 1016		3.8 U	20 U	3.8 U	38 U	38 U	160 U	76 U	39 U	3.9 U	3.9 U	20 U
Aroclor 1221		3.8 U	20 U	3.8 U	38 U	38 U	160 U	76 U	39 U	3.9 U	3.9 U	20 U
Aroclor 1232		3.8 U	20 U	3.8 U	38 U	38 U	160 U	76 U	39 U	3.9 U	3.9 U	20 U
Aroclor 1242		3.8 U	20 U	**61**	38 U	38 U	160 U	76 U	39 U	3.9 U	3.9 U	20 U
Aroclor 1248		**76**	200 U	3.8 U	**310**	**630**	**1900**	**770**	**500**	**51**	3.9 U	**200**
Aroclor 1254		**140**	**420**	**45**	**420**	**870**	**3400**	**1400**	**840**	**63**	3.9 U	**280**
Aroclor 1260		**96**	**89**	**27**	**840**	**140**	**1200**	**1600**	**790**	**40**	3.9 U	**130**
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	**312**	**509**	**133**	**1570**	**1640**	**6500**	**3770**	**2130**	**154**	3.9 U	**610**
Pesticides (µg/kg)												
4,4'-DDD (p,p'-DDD)		--	10 U	2 U	9.7 U	--	10 U	--	--	2 U	1.9 U	9.8 U
4,4'-DDE (p,p'-DDE)		--	10 U	2 U	9.7 U	--	**220**	--	--	2 U	1.9 U	9.8 U
4,4'-DDT (p,p'-DDT)		--	47 U	2 U	9.7 U	--	**570**	--	--	2 U	1.9 U	30 U
Aldrin		--	5 U	0.99 U	4.8 U	--	59 U	--	--	0.97 U	0.97 U	4.9 U
Chlordane, alpha- (Chlordane, cis-)		--	5 U	0.99 U	4.8 U	--	73 U	--	--	0.97 U	0.97 U	4.9 U
Chlordane, beta- (Chlordane, trans-)		--	5 U	0.99 U	4.8 U	--	5.1 U	--	--	0.97 U	0.97 U	4.9 U
Dieldrin		--	10 U	2 U	9.7 U	--	140 U	--	--	2 U	1.9 U	9.8 U
Endosulfan sulfate		--	10 U	2 UJ	9.7 UJ	--	10 UJ	--	--	2.8 U	1.9 U	9.8 U
Endosulfan, alpha- (I)		--	5 U	0.99 U	4.8 U	--	42 U	--	--	0.97 U	0.97 U	4.9 U
Endosulfan, beta (II)		--	10 U	2 U	9.7 U	--	180 U	--	--	2 U	1.9 U	9.8 U
Endrin		--	20 U	2 U	59 U	--	200 U	--	--	3 U	1.9 U	19 U
Endrin aldehyde		--	10 U	2 UJ	9.7 UJ	--	98 UJ	--	--	2 U	18 U	9.8 U
Endrin ketone		--	10 U	2 U	9.7 U	--	140 U	--	--	2 U	1.9 U	9.8 U
Heptachlor		--	5 U	0.99 U	4.8 U	--	9.4 U	--	--	0.97 U	0.97 U	4.9 U
Heptachlor epoxide		--	22 U	0.99 U	46 U	--	260 U	--	--	0.97 U	0.97 U	14 U
Hexachlorobenzene		--	--	0.99 U	--	--	--	--	--	0.97 U	0.97 U	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	0.99 U	--	--	--	--	--	0.97 U	0.97 U	--
Hexachlorocyclohexane (BHC), alpha-		--	5 U	0.99 U	4.8 U	--	5.1 U	--	--	0.97 U	0.97 U	4.9 U
Hexachlorocyclohexane (BHC), beta-		--	5 U	0.99 U	4.8 U	--	5.1 U	--	--	0.97 U	0.97 U	4.9 U
Hexachlorocyclohexane (BHC), delta-		--	5 UJ	0.99 UJ	4.8 UJ	--	5.1 UJ	--	--	**12 J**	0.97 UJ	4.9 UJ
Hexachlorocyclohexane (BHC), gamma- (Lindane)		--	5 U	0.99 U	4.8 U	--	5.1 U	--	--	0.97 U	0.97 U	4.9 U
Methoxychlor		--	50 U	9.9 U	190 U	--	480 U	--	--	9.7 U	9.7 U	49 U
Toxaphene		--	500 U	99 U	480 U	--	1500 U	--	--	97 U	97 U	490 U

Table 7-8f
Subsurface Sediment Results: PCBs and Pesticides

	Location ID	DSI-SB-10	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-11	DSI-SB-12	DSI-SB-12	DSI-SB-12	DSI-SB-12	DSI-SB-12	DSI-SB-13	DSI-SB-13
	Depth	8.5 – 10 ft	1 – 2 ft	11 – 12.3 ft	11 – 12.3 ft	3.5 – 5 ft	8 – 8.9 ft	1 – 2 ft	3 – 4.3 ft	4.3 – 5.8 ft	5.8 – 7.1 ft	8 – 9 ft	1 – 2 ft	3 – 4.1 ft
	Sample ID	DSI-SB-10-8.5-10	DSI-SB-11-1-2	DSI-SB-11-11-12.3	DSI-SB-61-11-12.3	DSI-SB-11-3.5-5	DSI-SB-11-8-8.9	DSI-SB-12-1-2	DSI-SB-12-3-4.3	DSI-SB-12-4.3-5.8	DSI-SB-12-5.8-7.1	DSI-SB-12-8-9	DSI-SB-13-1-2	DSI-SB-13-3-4.1
	Sample Date	3/14/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/11/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/14/2011	3/14/2011
	Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N
	X	1268117.63	1268162.52	1268162.52	1268162.52	1268162.52	1268162.52	1268029.86	1268029.86	1268029.86	1268029.86	1268029.86	1267934.23	1267934.23
	Y	204532.11	204544.00	204544.00	204544.00	204544.00	204544.00	204649.56	204649.56	204649.56	204649.56	204649.56	204726.81	204726.81
	Screening Level													
PCB Aroclors (mg/kg-OC)														
Aroclor 1016		2.021 U	0.1093 U	0.3636 U	0.4212 U	0.1592 U	1.361 U	1.857 U	0.2708 U	0.3077 U	0.2676 U	--	1.61 U	1.026 U
Aroclor 1221		2.021 U	0.1093 U	0.3636 U	0.4212 U	0.1592 U	1.361 U	1.857 U	0.2708 U	0.3077 U	0.2676 U	--	1.61 U	1.026 U
Aroclor 1232		2.021 U	0.1093 U	0.3636 U	0.4212 U	0.1592 U	1.361 U	1.857 U	0.2708 U	0.3077 U	0.2676 U	--	1.61 U	1.026 U
Aroclor 1242		2.021 U	0.1093 U	0.3636 U	0.4212 U	0.1592 U	1.361 U	1.857 UJ	0.2708 U	0.3077 U	0.2676 U	--	1.61 U	1.026 U
Aroclor 1248		**18.085**	**1.093**	**11.818**	**8.747**	**1.878**	13.605 U	**21.429 J**	**12.5**	0.7265 U	**0.845**	--	12.195 U	7.692 U
Aroclor 1254		**22.34**	**1.448**	**10**	**7.019**	**3.265**	**28.571**	**24.762 J**	**11.806**	**1.282**	**1.127**	--	**25.854**	**14.359**
Aroclor 1260		**6.596**	**0.874**	**8.909**	**3.564**	**2.531**	**31.293**	**12.381 J**	**8.333**	**1.026**	**0.5282**	--	**7.805**	**8.205**
Total PCB Aroclors (SMS Marine 2013) (U = 0)		**47.021**	**3.4153**	**30.7273**	**19.3305**	**7.6735**	**59.864**	**58.571 J**	**32.6389**	**2.3077**	**2.5**	--	**33.659**	**22.564**
PCB Aroclors (µg/kg)														
Aroclor 1016		19 U	4 U	4 U	3.9 U	3.9 U	20 U	39 U	3.9 U	3.6 U	3.8 U	--	33 U	20 U
Aroclor 1221		19 U	4 U	4 U	3.9 U	3.9 U	20 U	39 U	3.9 U	3.6 U	3.8 U	--	33 U	20 U
Aroclor 1232		19 U	4 U	4 U	3.9 U	3.9 U	20 U	39 U	3.9 U	3.6 U	3.8 U	--	33 U	20 U
Aroclor 1242		19 U	4 U	4 U	3.9 U	3.9 U	20 U	39 UJ	3.9 U	3.6 U	3.8 U	--	33 U	20 U
Aroclor 1248		**170**	**40**	**130**	**81**	**46**	200 U	**450 J**	**180**	8.5 U	**12**	--	250 U	150 U
Aroclor 1254		**210**	**53**	**110**	**65**	**80**	**420**	**520 J**	**170**	**15**	**16**	--	**530**	**280**
Aroclor 1260		**62**	**32**	**98**	**33**	**62**	**460**	**260 J**	**120**	**12**	**7.5**	--	**160**	**160**
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	**442**	**125**	**338**	**179**	**188**	**880**	**1230 J**	**470**	**27**	**35.5**	--	**690**	**440**
Pesticides (µg/kg)														
4,4'-DDD (p,p'-DDD)		--	--	2 U	2 U	--	22 U	2 U	1.9 U	--	1.9 UJ	--	16 U	9.9 U
4,4'-DDE (p,p'-DDE)		--	--	2 U	2 U	--	9.8 U	14 U	6.1 U	--	1.9 UJ	--	16 U	9.9 U
4,4'-DDT (p,p'-DDT)		--	--	6.1 U	10 U	--	48 U	35 UJ	21 UJ	--	1.9 UJ	--	61 U	9.9 U
Aldrin		--	--	0.98 U	0.98 U	--	4.9 U	7.1 U	0.97 U	--	0.96 UJ	--	8.2 U	4.9 U
Chlordane, alpha- (Chlordane, cis-)		--	--	0.98 U	0.98 U	--	4.9 U	0.98 U	0.97 U	--	0.96 UJ	--	8.2 U	4.9 U
Chlordane, beta- (Chlordane, trans-)		--	--	0.98 U	0.98 U	--	4.9 U	0.98 U	0.97 U	--	0.96 UJ	--	8.2 U	4.9 U
Dieldrin		--	--	2 U	2 U	--	9.8 U	11 U	5.1 U	--	1.9 UJ	--	16 U	9.9 U
Endosulfan sulfate		--	--	2 U	2 U	--	9.8 U	2 U	1.9 U	--	1.9 UJ	--	16 U	9.9 U
Endosulfan, alpha- (I)		--	--	0.98 U	0.98 U	--	4.9 U	20 U	0.97 U	--	0.96 UJ	--	8.2 U	4.9 U
Endosulfan, beta (II)		--	--	2 U	2 U	--	9.8 U	2 U	1.9 U	--	1.9 UJ	--	16 U	9.9 U
Endrin		--	--	3.1 U	5.8 U	--	23 U	15 U	13 U	--	1.9 UJ	--	31 U	9.9 U
Endrin aldehyde		--	--	2 U	4 U	--	14 U	4.6 U	8 U	--	1.9 UJ	--	16 U	9.9 U
Endrin ketone		--	--	2 U	2 U	--	9.8 U	2 U	1.9 U	--	1.9 UJ	--	16 U	9.9 U
Heptachlor		--	--	0.98 U	2 U	--	4.9 U	2.8 U	2.2 U	--	0.96 UJ	--	8.2 U	4.9 U
Heptachlor epoxide		--	--	4.7 U	7.1 U	--	15 U	22 U	11 U	--	0.96 UJ	--	27 U	9.5 U
Hexachlorobenzene		--	--	0.98 U	0.98 U	--	--	0.98 U	0.97 U	--	0.96 UJ	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	0.98 U	0.98 U	--	--	0.98 U	0.97 U	--	0.96 UJ	--	--	--
Hexachlorocyclohexane (BHC), alpha-		--	--	0.98 U	0.98 U	--	4.9 U	0.98 U	0.97 U	--	0.96 UJ	--	8.2 U	4.9 U
Hexachlorocyclohexane (BHC), beta-		--	--	0.98 U	0.98 U	--	4.9 U	0.98 U	0.97 U	--	0.96 UJ	--	8.2 U	4.9 U
Hexachlorocyclohexane (BHC), delta-		--	--	0.98 UJ	0.98 UJ	--	4.9 UJ	6.1 UJ	0.97 UJ	--	0.96 UJ	--	8.2 UJ	4.9 UJ
Hexachlorocyclohexane (BHC), gamma- (Lindane)		--	--	0.98 U	0.98 U	--	4.9 U	0.98 U	0.97 U	--	0.96 UJ	--	8.2 U	4.9 U
Methoxychlor		--	--	9.8 U	9.8 U	--	49 U	30 UJ	32 UJ	--	9.6 UJ	--	82 U	49 U
Toxaphene		--	--	98 U	98 U	--	490 U	98 U	97 U	--	96 UJ	--	820 U	490 U

Table 7-8f
Subsurface Sediment Results: PCBs and Pesticides

	Location ID	DSI-SB-13	DSI-SB-13	DSI-SB-14	DSI-SB-14	DSI-SB-15	DSI-SB-15	DSI-SB-16	DSI-SB-16	DSI-SB-17	DSI-SB-17
	Depth	4.1 – 5 ft	5 – 6 ft	4 – 5 ft	9 – 10.5 ft	11.5 – 12.5 ft	4 – 5 ft	5 – 6.5 ft	9.2 – 10.7 ft	5 – 6 ft	9.4 – 10.7 ft
	Sample ID	DSI-SB-13-4.1-5	DSI-SB-13-5-6	DSI-SB-14-4-5	DSI-SB-14-9-10.5	DSI-SB-15-11.5-12.5	DSI-SB-15-4-5	DSI-SB-16-5-6.5	DSI-SB-16-9.2-10.7	DSI-SB-17-5-6	DSI-SB-17-9.4-10.7
	Sample Date	3/14/2011	3/14/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/15/2011	3/16/2011	3/16/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1267934.23	1267934.23	1268049.27	1268049.27	1268295.16	1268295.16	1268239.63	1268239.63	1268158.30	1268158.30
	Y	204726.81	204726.81	204899.27	204899.27	204244.97	204244.97	204430.38	204430.38	204671.15	204671.15
Screening Level											
PCB Aroclors (mg/kg-OC)											
Aroclor 1016		3.0159 U	3.4234 U	0.1776 U	0.927 U	0.889 U	0.1712 U	0.905 U	2.086 U	0.966 U	1.689 U
Aroclor 1221		3.0159 U	3.4234 U	0.1776 U	0.927 U	0.889 U	0.1712 U	0.905 U	2.086 U	0.966 U	1.689 U
Aroclor 1232		3.0159 U	3.4234 U	0.1776 U	0.927 U	0.889 U	0.1712 U	0.905 U	2.086 U	0.966 U	1.689 U
Aroclor 1242		3.0159 U	3.4234 U	0.1776 U	0.927 U	0.889 U	0.1712 U	0.905 U	2.086 U	0.966 U	1.689 U
Aroclor 1248		61.111 U	3.4234 U	**2.103**	**8.78**	**5.778**	**3.108**	**5.238**	**19.251**	**8.696**	**18.265**
Aroclor 1254		**126.984**	3.4234 U	**3.505**	**15.61**	**8**	**4.955**	**9.048**	**21.925**	**13.527**	**22.831**
Aroclor 1260		**27.778**	3.4234 U	**2.85**	**5.366**	**3.6**	**3.919**	**3.524**	**8.556**	**10.628**	**6.849**
Total PCB Aroclors (SMS Marine 2013) (U = 0)		**154.7619**	3.4234 U	**8.4579**	**29.756**	**17.378**	**11.982**	**17.81**	**49.733**	**32.85**	**47.945**
PCB Aroclors (µg/kg)											
Aroclor 1016		3.8 U	3.8 U	3.8 U	19 U	20 U	3.8 U	19 U	39 U	20 U	37 U
Aroclor 1221		3.8 U	3.8 U	3.8 U	19 U	20 U	3.8 U	19 U	39 U	20 U	37 U
Aroclor 1232		3.8 U	3.8 U	3.8 U	19 U	20 U	3.8 U	19 U	39 U	20 U	37 U
Aroclor 1242		3.8 U	3.8 U	3.8 U	19 U	20 U	3.8 U	19 U	39 U	20 U	37 U
Aroclor 1248		77 U	3.8 U	**45**	**180**	**130**	**69**	**110**	**360**	**180**	**400**
Aroclor 1254		**160**	3.8 U	**75**	**320**	**180**	**110**	**190**	**410**	**280**	**500**
Aroclor 1260		**35**	3.8 U	**61**	**110**	**81**	**87**	**74**	**160**	**220**	**150**
Total PCB Aroclors (SMS Marine 2013) (U = 0)	2	**195**	3.8 U	**181**	**610**	**391**	**266**	**374**	**930**	**680**	**1050**
Pesticides (µg/kg)											
4,4'-DDD (p,p'-DDD)		--	--	--	--	--	--	--	--	--	--
4,4'-DDE (p,p'-DDE)		--	--	--	--	--	--	--	--	--	--
4,4'-DDT (p,p'-DDT)		--	--	--	--	--	--	--	--	--	--
Aldrin		--	--	--	--	--	--	--	--	--	--
Chlordane, alpha- (Chlordane, cis-)		--	--	--	--	--	--	--	--	--	--
Chlordane, beta- (Chlordane, trans-)		--	--	--	--	--	--	--	--	--	--
Dieldrin		--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate		--	--	--	--	--	--	--	--	--	--
Endosulfan, alpha- (I)		--	--	--	--	--	--	--	--	--	--
Endosulfan, beta (II)		--	--	--	--	--	--	--	--	--	--
Endrin		--	--	--	--	--	--	--	--	--	--
Endrin aldehyde		--	--	--	--	--	--	--	--	--	--
Endrin ketone		--	--	--	--	--	--	--	--	--	--
Heptachlor		--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide		--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene		--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		--	--	--	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), alpha-		--	--	--	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), beta-		--	--	--	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), delta-		--	--	--	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)		--	--	--	--	--	--	--	--	--	--
Methoxychlor		--	--	--	--	--	--	--	--	--	--
Toxaphene		--	--	--	--	--	--	--	--	--	--

Table 7-8f
Subsurface Sediment Results: PCBs and Pesticides

Notes:
Detected concentration is greater than the sediment screening level
Non-detected concentration is above the sediment screening level
Bold = Detected result
-- = not analyzed
µg/kg = micrograms per kilogram
FD = field duplicate
ft = foot
J = Estimated value
mg/kg-OC = milligrams per kilogram organic carbon normalized
N = normal sample
PCB = polychlorinated biphenyl
SMS = Sediment Management Standards
U = Compound analyzed, but not detected above detection limit
UJ = Compound analyzed, but not detected above estimated detection limit

Table 7-8g
Subsurface Sediment Results: Dioxin/Furans

	Location ID	DSIMR-01	DSIMR-02	DSIMR-03	DSIMR-05	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312	DSIP2-SB-01b_1312
	Depth	0 – 2 ft	0 – 2 ft	0 – 1.8 ft	0 – 2 ft	0 – 2 ft	10 – 11 ft	2 – 4 ft	4 – 6 ft	4 – 6 ft	6.5 – 8.5 ft
	Sample ID	DSIMR-SB-01-0-2	DSIMR-SB-02-0-2	DSIMR-SB-03-0-1.8	DSIMR-SB-05-0-2	DSIP2-SB-01b-0-2	DSIP2-SB-01b-10-11	DSIP2-SB-01b-2-4	DSIP2-SB-01b-4-6	DSIP2-SB-51B-4-6	DSIP2-SB-01b-6.5-8.5
	Sample Date	7/23/2013	7/24/2013	7/24/2013	7/23/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013
	Sample Type	N	N	N	N	N	N	N	N	FD	N
	X	1268066.22	1268066.94	1268069.67	1268029.81	1268348.79	1268348.79	1268348.79	1268348.79	1268348.79	1268348.79
	Y	204393.09	204421.57	204454.65	204601.34	204095.62	204095.62	204095.62	204095.62	204095.62	204095.62
	Screening Level										
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)		**1.2**	**2.57**	0.351 U	0.467 U	**0.614 J**	**0.345 J**	**0.704 J**	**1.2**	**0.884 J**	**2.31**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		**7.3**	**4.68**	**1.05**	**1.97**	**1.97**	0.628 U	**2.43**	**3.48**	**2.46**	**6.6**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**15**	**9.67**	**1.83 J**	**2.65**	**2.57**	0.772 U	**3.25**	**3.38**	**2.31**	**7.4**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**181 J**	**82.6 J**	**8.74 J**	**12.5 J**	**11.2**	**5.6**	**13.8**	**19.6**	**13.1**	**56.6**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		**34.9**	**21.5**	**2.98**	**6.04**	**5.81**	**2.27**	**7.77**	**10.9**	**7.91**	**29.4**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		**6950**	**1900**	**434**	**383**	**268**	**173**	**397**	**608**	**381**	**2390**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		**61300 J**	**26400**	**5070 J**	**5410 J**	**2330**	**1520**	**3530**	**5430 J**	**3310**	**21800 J**
Total Tetrachlorodibenzo-p-dioxin (TCDD)		**24.4 J**	**31.4 J**	**8.08 J**	**9.11 J**	**7.47 J**	5.49 U	**8.11 J**	**9.67 J**	**8.17 J**	**14.9 J**
Total Pentachlorodibenzo-p-dioxin (PeCDD)		**139**	**385**	**30.1**	**23.2 J**	**15.6 J**	7.7 U	**18.5**	**26.3 J**	**21.8 J**	**44.1**
Total Hexachlorodibenzo-p-dioxin (HxCDD)		**933 J**	**1130 J**	**188 J**	**92.9 J**	**86.5**	33.5 U	**117**	**151**	**110 J**	**439**
Total Heptachlorodibenzo-p-dioxin (HpCDD)		**11800**	**3870**	**1930**	**787**	**664**	**305**	**975**	**1220**	**783**	**4760**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		**5.91**	**3.85**	**1.25**	**1.55**	**1.28**	**0.699 J**	**1.63**	**1.56**	**0.999**	**2.87**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		**14.1**	**6.52**	**1.11**	**1.48**	**1.8**	**0.824 J**	**1.31**	**1.17 J**	**0.82 J**	**1.99 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		**47**	**27**	**2.56**	**2.77**	**4.08**	**2.3**	**2.52**	**2.46**	**1.62**	**4.67**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		**375**	**377**	**15**	**12.6**	**15.9**	**13.7**	**9.5**	**9.25**	**6.27**	**15**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		**59.3**	**55.5**	**2.93**	**3.54**	**4.11**	**2.68**	**3.14**	**3.07**	**2.36**	**4.44**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		**57 J**	**30.3 J**	**2 J**	**2.07 J**	**3.52 J**	**2.35 J**	**1.96 J**	**1.92 J**	**1.27 J**	**2.94 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		**30.2**	**81.2**	**4.32**	**2.59 J**	**2.7**	**1.68**	**1.88**	**1.8**	**1.8**	**3.6**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		**2030**	**852**	**86.2**	**89.1**	**57.3**	**73.2**	**66.5**	**77.7**	**45.8**	**133**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		**238**	**150**	**7.59**	**8.61**	**6.43**	**8.5 J**	**6.54**	**7.2**	**4.07**	**10.5**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		**11100**	**2110**	**274**	**414**	**177**	**337**	**240**	**307**	**146**	**448**
Total Tetrachlorodibenzofuran (TCDF)		**85 J**	**74.2 J**	**21.1 J**	**26.3 J**	**25.1 J**	**25.8 J**	**29.4 J**	**31 J**	**22.1 J**	**67.8**
Total Pentachlorodibenzofuran (PeCDF)		**533 J**	**436 J**	**40 J**	**43 J**	**65.2 J**	**41.5 J**	**53.2 J**	**51.4 J**	**37.1 J**	**93.5 J**
Total Hexachlorodibenzofuran (HxCDF)		**3380 J**	**2040 J**	**128 J**	**133 J**	**143 J**	**120 J**	**116 J**	**120 J**	**83.4 J**	**215 J**
Total Heptachlorodibenzofuran (HpCDF)		**12000 J**	**3460**	**322**	**398**	**231**	**343 J**	**264 J**	**333 J**	**177 J**	**563 J**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	2	**212.754 J**	**119.2806 J**	**12.6374 J**	**13.7537 J**	**12.6404 J**	**7.06172 J**	**14.0537 J**	**19.2512 J**	**12.802 J**	**54.6051 J**

Table 7-8g
Subsurface Sediment Results: Dioxin/Furans

	Location ID	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-02_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312	DSIP2-SB-03_1312
	Depth	0 – 2 ft	2 – 4 ft	4 – 6 ft	6.7 – 8.7 ft	9.5 – 11.3 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft	9.5 – 11.5 ft
	Sample ID	DSIP2-SB-02-0-2	DSIP2-SB-02-2-4	DSIP2-SB-02-4-6	DSIP2-SB-02-6.7-8.7	DSIP2-SB-02-9.5-11.3	DSIP2-SB-03-0-2	DSIP2-SB-03-2-4	DSIP2-SB-03-4-6	DSIP2-SB-03-6-8	DSIP2-SB-03-9.5-11.5
	Sample Date	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268373.50	1268373.50	1268373.50	1268373.50	1268373.50	1268353.78	1268353.78	1268353.78	1268353.78	1268353.78
	Y	204254.08	204254.08	204254.08	204254.08	204254.08	204333.70	204333.70	204333.70	204333.70	204333.70
	Screening Level										
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)		**0.521 J**	**1.24**	**2.16**	**1.24**	0.0438 U	**0.537 J**	**1.18 J**	**2.1**	**0.874 J**	**0.14 J**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		**1.45**	**3.56**	**6.31**	**2.74**	**0.175 J**	**1.26**	**3.78**	**6.59**	**2.38**	**0.219 J**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**2.05**	**3.64**	**7.21**	**3.96**	0.139 U	**1.67**	**4.27**	**7.34**	**2.98**	0.279 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**9.92**	**20.5**	**52.4**	**64.4**	0.482 U	**6.96**	**22.1**	**67.9**	**24**	**0.599 J**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		**4.46**	**11.1**	**28.8**	**11.9**	0.336 U	**3.79**	**11.9**	**34.9**	**8.44**	0.658 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		**475**	**578**	**2290**	**1400**	7.4 U	**226**	**672**	**2680**	**611**	**12.3**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		**5940 J**	**4980 J**	**20000 J**	**8190 J**	50.1 U	**1840**	**6050 J**	**23200 J**	**5830 J**	**80.7**
Total Tetrachlorodibenzo-p-dioxin (TCDD)		**6.47 J**	**10.7 J**	**16.7 J**	**20.2 J**	**1.71 J**	**6.18 J**	**12.6 J**	**17.4 J**	**17.2 J**	**2.24 J**
Total Pentachlorodibenzo-p-dioxin (PeCDD)		**12.2 J**	**28.4**	**44.2**	**34.5**	1.99 U	**10.5**	**31.3**	**48**	**26.3**	**3.73 J**
Total Hexachlorodibenzo-p-dioxin (HxCDD)		**74.3**	**158 J**	**436 J**	**220**	5.39 U	**57.6**	**180**	**539 J**	**129**	11.1 UJ
Total Heptachlorodibenzo-p-dioxin (HpCDD)		**967**	**1170**	**4570**	**2140**	16.2 U	**505**	**1340**	**5060**	**1080**	**35.6**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		**0.895 J**	**1.78**	**2.66**	**2.24**	**0.167 J**	**0.859 J**	**1.85**	**2.7**	**2.31**	**0.144 J**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		**0.953 J**	**1.52**	**2.23**	**3.35**	0.0876 U	**0.703 J**	**1.57 J**	**2.23**	**3.04**	**0.156 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		**1.71**	**3.32**	**5.61**	**9.54**	**0.175 J**	**1.51**	**3.37**	**5.25**	**9.3**	**0.245 J**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		**12.6**	**14**	**23**	**85**	**0.406 J**	**6.23**	**15.3**	**21.8**	**68.9**	**0.243 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		**2.6 J**	**4.32**	**6.19**	**15.4**	**0.221 J**	**2.23**	**4.24**	**5.75**	**12**	**0.245 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		**2.23 J**	**2.34 J**	**3.64 J**	**14.1 J**	**0.0458 J**	**1.14**	**2.46 J**	**3.77 J**	**9.88 J**	**0.142 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		**1.48**	**2.55 J**	**3.76**	**8.83**	**0.183 J**	**1.13**	**2.48**	**3.43**	**5.9**	**0.291 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		**145**	**87.5**	**150**	**652**	**4.01**	**37.9**	**102**	**150**	**253**	**3.99**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		**12**	**9.59**	**14.4**	**84.7**	**0.249 J**	**3.63**	**10.3**	**13.7**	**34.9**	**0.235 J**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		**1140 J**	**317 J**	**517 J**	**2430 J**	**9.27 J**	**152 J**	**422 J**	**678 J**	**871 J**	**11.5 J**
Total Tetrachlorodibenzofuran (TCDF)		**17.8 J**	**33.6 J**	**80 J**	**88.3 J**	**4.7 J**	**16.1 J**	**34 J**	**72.9 J**	**79.4 J**	**4.39 J**
Total Pentachlorodibenzofuran (PeCDF)		**34.3 J**	**60.8 J**	**108 J**	**209 J**	**7.2 J**	**27.3 J**	**64.6 J**	**100 J**	**166 J**	**9.65 J**
Total Hexachlorodibenzofuran (HxCDF)		**147 J**	**161 J**	**262 J**	**1210 J**	**6.18 J**	**64.1 J**	**175 J**	**243 J**	**473 J**	**6.54 J**
Total Heptachlorodibenzofuran (HpCDF)		**791**	**348**	**611 J**	**3490**	**11.2 J**	**150 J**	**434**	**673**	**1070**	**11.6**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	2	**14.58009 J**	**20.2046 J**	**53.685 J**	**52.0785 J**	**0.370571 J**	**7.94489 J**	**22.2627 J**	**60.6913 J**	**30.5755 J**	**0.79649 J**

Table 7-8g
Subsurface Sediment Results: Dioxin/Furans

	Location ID	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-04_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312	DSIP2-SB-05_1312
	Depth	0 – 2 ft	2 – 4 ft	5 – 7 ft	7.5 – 9.5 ft	7.5 – 9.5 ft	9.5 – 11.5 ft	0 – 2 ft	0 – 2 ft	10 – 12 ft	4 – 6 ft
	Sample ID	DSIP2-SB-04-0-2	DSIP2-SB-04-2-4	DSIP2-SB-04-5-7	DSIP2-SB-04-7.5-9.5	DSIP2-SB-54-7.5-9.5	DSIP2-SB-04-9.5-11.5	DSIP2-SB-05-0-2	DSIP2-SB-05-2-4	DSIP2-SB-05-10-12	DSIP2-SB-05-4-6
	Sample Date	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/14/2013	12/13/2013	12/13/2013	12/13/2013	12/13/2013
	Sample Type	N	N	N	N	FD	N	N	N	N	N
	X	1268312.94	1268312.94	1268312.94	1268312.94	1268312.94	1268312.94	1268262.71	1268262.71	1268262.71	1268262.71
	Y	204461.82	204461.82	204461.82	204461.82	204461.82	204461.82	204583.57	204583.57	204583.57	204583.57
	Screening Level										
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)		**0.751 J**	**2.4**	**0.602 J**	**0.162 J**	0.0319 U	0.0395 U	**0.7 J**	**2.25**	0.0378 U	**0.722 J**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		**2.55**	**6.93**	**1.51**	0.172 U	0.124 U	0.176 U	**2.43**	**6.49**	0.0478 U	**2.14**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**3.14**	**7.67**	**1.97**	0.188 U	0.126 U	0.32 U	**3.1**	**7.14**	0.104 U	**2.45**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**14.3**	**48.2**	**14.8**	**0.398 J**	0.293 U	**0.407 J**	**14 J**	**47.7 J**	0.135 UJ	**25.6 J**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		**8.05**	**26.7**	**5.23**	**0.425 J**	**0.269 J**	**0.399 J**	**7.66**	**22.8**	0.195 U	**6.72**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		**403**	**1530**	**374**	**7.95**	5.33 U	6.52 U	**383**	**1430**	2.64 U	**667**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		**3650**	**13000 J**	**3500**	**54.8**	36.5 U	34.3 U	**3320**	**12000 J**	18.8 U	**5620 J**
Total Tetrachlorodibenzo-p-dioxin (TCDD)		**9.64 J**	**18.7 J**	**12.8 J**	**1.36 J**	**1.27 J**	**0.653 J**	**10.3 J**	**17.2 J**	**0.69 J**	**19.8 J**
Total Pentachlorodibenzo-p-dioxin (PeCDD)		**20.5**	**47**	**22**	**1.53 J**	**1.69 J**	**2.37 J**	**21.8 J**	**48.3**	0.791 U	**31**
Total Hexachlorodibenzo-p-dioxin (HxCDD)		**114**	**363**	**81.4**	5.41 U	4.83 U	7.58 U	**115 J**	**338 J**	2.69 UJ	**124 J**
Total Heptachlorodibenzo-p-dioxin (HpCDD)		**881**	**2930**	**655**	18.4 U	12.7 U	14.7 U	**918**	**2840**	7.35 U	**1160**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		**1.6**	**3.17**	**1.4**	**0.0653 J**	**0.0678 J**	**0.0435 J**	**1.72**	**3.26**	0.0299 U	**2.27**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		**1.22 J**	**2.43**	**1.77**	**0.103 J**	**0.0778 J**	**0.0613 J**	**1.41**	**2.61**	0.0378 U	**3.38**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		**2.52**	**5.73**	**5.53**	**0.14 J**	**0.118 J**	0.0257 U	**2.48 J**	**6.56 J**	0.0359 U	**9.79 J**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		**9.95**	**28.4**	**39.1**	**0.235 J**	**0.154 J**	**0.117 J**	**8.73**	**30.8**	0.0378 U	**82.2**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		**3.12**	**6.79**	**6.82**	**0.164 J**	**0.0957 J**	0.0316 U	**3**	**7.54**	0.0378 U	**13.6**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		**1.69 J**	**3.89 J**	**5.6 J**	**0.0712 J**	0.0359 U	0.0415 U	**1.55 J**	**4.99 J**	**0.0458 J**	**12.4 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		**1.85**	**4.42**	**3.92**	**0.156 J**	**0.11 J**	0.0336 U	**2.39**	**4.7 J**	0.0418 U	**8.44**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		**69.9**	**204**	**136**	**1.96**	**1.89**	**0.609 J**	**62.2**	**194**	0.187 U	**282**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		**6.61**	**18.6**	**20.1**	**0.152 J**	0.0518 U	**0.0435 J**	**6.52**	**22.1**	0.0418 U	**44.8**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		**312**	**636**	**398**	**4.62**	**3.48**	**1.4 J**	**262 J**	**956 J**	**0.267 J**	**954 J**
Total Tetrachlorodibenzofuran (TCDF)		**27.3 J**	**83 J**	**56 J**	**2.4 J**	**3.16 J**	**0.617 J**	**25.5 J**	**70.7 J**	**0.199 J**	**76.6 J**
Total Pentachlorodibenzofuran (PeCDF)		**47.9 J**	**114 J**	**101 J**	**3.51 J**	**4.09 J**	**0.793 J**	**50.3 J**	**120 J**	**0.483 J**	**220 J**
Total Hexachlorodibenzofuran (HxCDF)		**119 J**	**290 J**	**263 J**	**3.35 J**	**3.02 J**	**0.995 J**	**113 J**	**326 J**	**0.307 J**	**573 J**
Total Heptachlorodibenzofuran (HpCDF)		**293 J**	**813 J**	**557**	**5.29 J**	**4.76**	**2**	**262 J**	**993 J**	**0.381**	**1260**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	2	**14.4473 J**	**45.6627 J**	**18.1785 J**	**0.476986 J**	**0.127328 J**	**0.105434 J**	**13.7231 J**	**44.0271 J**	**0.0000801 J**	**33.1786 J**

Table 7-8g
Subsurface Sediment Results: Dioxin/Furans

	Location ID	DSIP2-SB-05_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-06_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312	DSIP2-SB-07_1312
	Depth	6.7 – 8.7 ft	0 – 2 ft	2 – 4 ft	2 – 4 ft	5 – 7 ft	8 – 10 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	7 – 9 ft
	Sample ID	DSIP2-SB-05-6.7-8.7	DSIP2-SB-06-0-2	DSIP2-SB-06-2-4	DSIP2-SB-56-2-4	DSIP2-SB-06-5-7	DSIP2-SB-06-8-10	DSIP2-SB-07-0-2	DSIP2-SB-07-2-4	DSIP2-SB-07-4.5-6.5	DSIP2-SB-07-7-9
	Sample Date	12/13/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	FD	N	N	N	N	N	N
	X	1268262.71	1268218.43	1268218.43	1268218.43	1268218.43	1268218.43	1268157.39	1268157.39	1268157.39	1268157.39
	Y	204583.57	204716.63	204716.63	204716.63	204716.63	204716.63	204828.25	204828.25	204828.25	204828.25
	Screening Level										
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)		**0.193 J**	**0.482 J**	**1.34**	**1.26**	**1.14**	**0.161 J**	**0.602 J**	**2.71**	**0.445 J**	**0.151 J**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		**0.24 J**	**1.46 J**	**3.87**	**3.73**	**2.93**	0.311 U	**1.82**	**7.54**	**1.14**	0.116 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		0.193 U	**1.73**	**3.41**	**3.47**	**5.11**	**0.323 J**	**2.43**	**8.72**	**1.49**	0.125 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**0.598 J**	**7.36**	**22.3**	**18.5**	**52.2**	**1.97**	**10.3**	**48.6**	**12.8**	**0.594 J**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		0.451 U	**4.24**	**11.5**	**11.1**	**15.5**	**0.759 J**	**5.42**	**27.7**	**4.22**	**0.386 J**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		10.2 U	**200**	**754**	**610**	**1940**	**42.2**	**280**	**1700**	**377**	**15.4**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		**66**	**1910**	**7910 J**	**4870 J**	**21800 J**	**366**	**2600**	**15200 J**	**3870**	**122**
Total Tetrachlorodibenzo-p-dioxin (TCDD)		**2.72 J**	**6.08 J**	**10.9 J**	**10.8 J**	**12.9 J**	**2.57 J**	**8.43 J**	**17.3 J**	**5.43 J**	**0.963 J**
Total Pentachlorodibenzo-p-dioxin (PeCDD)		**3.39 J**	**12.1 J**	**27.4 J**	**28**	**31.7 J**	**3.69 J**	**17 J**	**51.2**	**12.4**	**1.09 J**
Total Hexachlorodibenzo-p-dioxin (HxCDD)		7.96 UJ	**63.7 J**	**159**	**165**	**222**	**13.3 J**	**88.9 J**	**372 J**	**66.3**	5.34 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)		21.5 U	**510**	**1430**	**1270**	**3270**	**77.3**	**725**	**3380**	**639**	**29.6**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		**0.23 J**	**0.919 J**	**1.7**	**1.49**	**2.44**	**0.287 J**	**1.21**	**3.52**	**1.24**	**0.0558 J**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		**0.151 J**	**0.885 J**	**1.25 J**	**1.21 J**	**4.72**	**0.323 J**	**1.03**	**2.77 J**	**1.74**	**0.0896 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		**0.324 J**	**1.46 J**	**2.6**	**2.58**	**13.7**	**0.838 J**	**2**	**6.48**	**4.94**	**0.183 J**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		**0.395 J**	**5.33 J**	**9.55**	**11**	**215**	**5.08**	**6.62**	**22**	**31.5**	**1.23 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		**0.393 J**	**1.93**	**3.28**	**3.32**	**33.8**	**1.09 J**	**2.41**	**6.83**	**6.03**	**0.259 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		**0.149 J**	**1.3 J**	**1.92 J**	**2.23 J**	**21.8 J**	**0.888 J**	**1.18 J**	**3.45 J**	**5.49 J**	**0.217 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		**0.54 J**	**2.65**	**5.3**	**4.99**	**42.3**	**1.72**	**1.55 J**	**4.62**	**3.42**	**0.245 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		**5.11**	**38.4**	**105**	**77.7**	**605**	**19.3**	**50.2**	**156**	**143**	**5.85**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		**0.264 J**	**3.77**	**8.61**	**7.16**	**96.5**	**2.6**	**4.31**	**13.7**	**18.6**	**0.695 J**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		**12.7 J**	**134**	**576**	**275**	**1390**	**54.3**	**230**	**542**	**667**	**19.7**
Total Tetrachlorodibenzofuran (TCDF)		**5.58 J**	**15.4 J**	**33 J**	**31.1 J**	**92.2 J**	**8.05 J**	**20.7 J**	**74.4 J**	**51 J**	**0.912 J**
Total Pentachlorodibenzofuran (PeCDF)		**11.7 J**	**28.3 J**	**55.9 J**	**56.3 J**	**253 J**	**16.6 J**	**38.8 J**	**120 J**	**77.5 J**	**2.81 J**
Total Hexachlorodibenzofuran (HxCDF)		**8.49 J**	**65.7 J**	**147 J**	**137 J**	**1140 J**	**41.9 J**	**80.3 J**	**261 J**	**245 J**	**9.92 J**
Total Heptachlorodibenzofuran (HpCDF)		**14.2**	**150 J**	**488 J**	**317 J**	**2320 J**	**79.2**	**211**	**643**	**692 J**	**24.4 J**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	2	**0.84258 J**	**7.98735 J**	**23.1454 J**	**19.9024 J**	**80.5086 J**	**2.40088 J**	**10.359 J**	**48.2407 J**	**16.4853 J**	**0.769228 J**

Table 7-8g
Subsurface Sediment Results: Dioxin/Furans

	Location ID	DSIP2-SB-07_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-08_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312	DSIP2-SB-09_1312
	Depth	9 – 11 ft	0 – 2 ft	2.5 – 4.5 ft	4.5 – 6.5 ft	6.5 – 8.5 ft	8.5 – 10.4 ft	0 – 2 ft	2 – 4 ft	4 – 6 ft	6 – 8 ft
	Sample ID	DSIP2-SB-07-9-11	DSIP2-SB-08-0-2	DSIP2-SB-08-2.5-4.5	DSIP2-SB-08-4.5-6.5	DSIP2-SB-08-6.5-8.5	DSIP2-SB-08-8.5-10.4	DSIP2-SB-09-0-2	DSIP2-SB-09-2-4	DSIP2-SB-09-4-6	DSIP2-SB-09-6-8
	Sample Date	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268157.39	1268132.63	1268132.63	1268132.63	1268132.63	1268132.63	1268064.60	1268064.60	1268064.60	1268064.60
	Y	204828.25	204932.41	204932.41	204932.41	204932.41	204932.41	205002.51	205002.51	205002.51	205002.51
	Screening Level										
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)		0.0317 U	**0.422 J**	**0.946 J**	**2.66**	**0.535 J**	**0.17 J**	**0.933 J**	**0.968 J**	**1.6**	**0.619 J**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		0.0675 U	**1.29**	**3.36**	**7.47**	**2.04**	**0.342 J**	**2.51**	**3.81**	**5.97**	**2.35**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**0.173 J**	**1.63 J**	**4.28**	**8.94**	**2.26**	**0.207 J**	**2.71**	**4.42**	**6.96**	**2.26**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		0.228 U	**7.84**	**32**	**61.5**	**19.5**	0.307 U	**17.1**	**21.2**	**60.2**	**22.7**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		0.254 U	**4.27**	**11.7**	**32.2**	**6.03**	0.4 U	**7.87**	**11.3**	**24.6**	**5.81**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		3.14 U	**247**	**1330**	**2390**	**625**	4.23 U	**546**	**592**	**1990**	**621**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		23 U	**2560**	**15600 J**	**25000 J**	**8430 J**	32.4 U	**7600 J**	**5480 J**	**18800 J**	**5260 J**
Total Tetrachlorodibenzo-p-dioxin (TCDD)		**0.356 J**	**4.51 J**	**10.5 J**	**21.7 J**	**18.6 J**	**4.5 J**	**12.1 J**	**11.9 J**	**14.6 J**	**21.5 J**
Total Pentachlorodibenzo-p-dioxin (PeCDD)		0.439 U	**10.5 J**	**25 J**	**55.5 J**	**30.6 J**	**4.06 J**	**27.3 J**	**30**	**45.4**	**37.1 J**
Total Hexachlorodibenzo-p-dioxin (HxCDD)		3.03 U	**67.5 J**	**177**	**500**	**127**	6.5 U	**145**	**174**	**382**	**150**
Total Heptachlorodibenzo-p-dioxin (HpCDD)		7.22 U	**655**	**2270**	**5150**	**1120**	10.7 U	**1110**	**1380**	**3800**	**1050**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		0.0218 U	**0.814 J**	**2.2**	**3.56**	**1.76 J**	**0.298 J**	**1.79**	**2.05**	**3.01**	**2.35**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		**0.0873 J**	**0.71 J**	**1.59**	**2.97**	**1.92**	**0.203 J**	**1.44**	**1.69**	**3.9**	**3.02**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		0.0377 U	**1.39**	**3.47**	**7.45**	**4.31**	**0.155 J**	**3.18**	**3.52**	**12**	**8.84**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		**0.188 J**	**6.98**	**15.9**	**33.6**	**34.5**	**0.24 J**	**12.7**	**14**	**98.7**	**56.9**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		**0.0794 J**	**1.84**	**4.86**	**8.46**	**7.48**	**0.172 J**	**3.17**	**4.8**	**17.3**	**11.3**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		**0.185 J**	**1.51 J**	**3.22 J**	**5.88 J**	**5.67 J**	0.0483 U	**2.18 J**	**2.66 J**	**14 J**	**10.1 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		**0.0972 J**	**1.35**	**3.58**	**5.13**	**4.08**	**0.155 J**	**2.17 J**	**3.73**	**8.03**	**6.41**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		**0.629 J**	**48.4**	**151**	**213**	**261**	**1.2**	**73.1**	**104**	**345**	**293**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		**0.208 J**	**4.79**	**19.6**	**19.7**	**23.8**	**0.124 J**	**7.48**	**9.53**	**49.3**	**32.8**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		**3.07 J**	**212**	**666**	**675**	**1090**	**1.63 J**	**260**	**378**	**1180**	**1470**
Total Tetrachlorodibenzofuran (TCDF)		**0.0228 J**	**14.6 J**	**34.7 J**	**99.5 J**	**56 J**	**6.52 J**	**38.2 J**	**37 J**	**69.4 J**	**76.6 J**
Total Pentachlorodibenzofuran (PeCDF)		**0.0882 J**	**27 J**	**63.9 J**	**143 J**	**142 J**	**2.67 J**	**52 J**	**70.4 J**	**190 J**	**187 J**
Total Hexachlorodibenzofuran (HxCDF)		**1.29 J**	**77.3 J**	**211 J**	**373 J**	**368 J**	**1.91 J**	**126 J**	**176 J**	**693 J**	**503 J**
Total Heptachlorodibenzofuran (HpCDF)		**2.79 J**	**207**	**665 J**	**923**	**1120**	**2.48 J**	**300 J**	**409 J**	**1550**	**1470**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	2	**0.08417 J**	**8.6072 J**	**33.0545 J**	**62.3106 J**	**24.0076 J**	**0.685519 J**	**18.033 J**	**21.1134 J**	**64.404 J**	**28.9816 J**

Table 7-8g
Subsurface Sediment Results: Dioxin/Furans

	Location ID	DSIP2-SB-09_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-10_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312	DSIP2-SB-11_1312
	Depth	8.3 – 10.3 ft	0.5 – 2.5 ft	11.3 – 12.9 ft	2.5 – 4.5 ft	6 – 8 ft	9 – 11 ft	0 – 2 ft	10 – 12 ft	2 – 4 ft	4 – 6 ft
	Sample ID	DSIP2-SB-09-8.3-10.3	DSIP2-SB-10-0.5-2.5	DSIP2-SB-10-11.3-12.9	DSIP2-SB-10-2.5-4.5	DSIP2-SB-10-6-8	DSIP2-SB-10-9-11	DSIP2-SB-11-0-2	DSIP2-SB-11-10-12	DSIP2-SB-11-2-4	DSIP2-SB-11-4-6
	Sample Date	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268064.60	1268039.90	1268039.90	1268039.90	1268039.90	1268039.90	1267949.10	1267949.10	1267949.10	1267949.10
	Y	205002.51	205120.11	205120.11	205120.11	205120.11	205120.11	205009.33	205009.33	205009.33	205009.33
	Screening Level										
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)		**0.148 J**	**1.28**	0.0413 U	**1.3 J**	**0.985 J**	**0.163 J**	**2.27**	0.0489 U	**3.99**	**0.73 J**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		**0.241 J**	**4.07**	0.102 U	**3.3**	**3.54**	0.171 U	**7.04**	**0.141 J**	**10.2**	**2.45**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**0.167 J**	**4.27**	**0.0964 J**	**2.96**	**3.65**	**0.0889 J**	**7.04**	**0.192 J**	**14.3**	**3.57**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		0.312 U	**20.8**	**0.193 J**	**17.6**	**34.2**	**0.193 J**	**47.3**	**0.876 J**	**90.7**	**56**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		0.417 U	**12.2**	0.185 U	**9.96**	**8.51**	0.267 U	**22.3**	0.473 U	**37.1**	**9.43**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		4.44 U	**603**	4.54 U	**523**	**884**	2.41 U	**1450**	**24.1**	**2850**	**2010**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		37.9 U	**5550 J**	35.8 U	**4490 J**	**9230 J**	14.4 U	**16700 J**	**220**	**42100 J**	**20600 J**
Total Tetrachlorodibenzo-p-dioxin (TCDD)		**3.5 J**	**13 J**	**0.758 J**	**8.82 J**	**45.2 J**	**2.39 J**	**16.2 J**	**1.11 J**	**26 J**	**12.7 J**
Total Pentachlorodibenzo-p-dioxin (PeCDD)		**3.48 J**	**32.1**	1.21 U	**24.5**	**58.9**	**2.47 J**	**49.8**	**2 J**	**76.2**	**30.2 J**
Total Hexachlorodibenzo-p-dioxin (HxCDD)		6.27 U	**166**	3.93 U	**142**	**183**	3.93 U	**335**	8.14 U	**487 J**	**230**
Total Heptachlorodibenzo-p-dioxin (HpCDD)		12.5 U	**1300**	11.2 U	**1050**	**1550**	6.44 U	**2920**	**44.1**	**5020**	**3570**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		**0.197 J**	**1.99**	0.0629 U	**1.88**	**3.97**	**0.183 J**	**3.14**	0.045 U	**9.13**	**3.13**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		**0.13 J**	**1.65 J**	**0.0433 J**	**1.34**	**4.58**	**0.119 J**	**2.68 J**	**0.111 J**	**8.38**	**7.22**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		**0.13 J**	**3.22**	0.0433 U	**2.76**	**12.4**	**0.0915 J**	**6.02**	**0.231 J**	**30.4**	**28.6**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		**0.0896 J**	**11.9**	**0.0983 J**	**10.6**	**118**	**0.0875 J**	**28.9**	**3.06**	**140**	**201**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		**0.0798 J**	**4.44**	0.0433 U	**3.1**	**20.1**	**0.0696 J**	**8.17**	**0.475 J**	**25.5**	**32.1**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		0.0584 U	**2.31 J**	0.0728 U	**1.99 J**	**16.8 J**	**0.0521 J**	**5.19 J**	**0.452 J**	**22.2 J**	**33.8 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		**0.0818 J**	**6.59**	0.0531 U	**4.7**	**32.5**	**0.0934 J**	**4.94**	**0.266 J**	**12.5**	**13.9**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		0.323 U	**99**	0.362 U	**79.8**	**469**	0.175 U	**219**	**13.6**	**846**	**762**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		**0.0351 J**	**8.47**	0.0649 U	**7**	**70.3**	**0.0497 J**	**21.4**	**1.65 J**	**83**	**90.8**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		0.434 U	**332**	**0.761 J**	**300**	**1230**	0.197 U	**826**	**31.2**	**5160 J**	**5270**
Total Tetrachlorodibenzofuran (TCDF)		**4.88 J**	**33.7 J**	**0.0834**	**42.6 J**	**131 J**	**3.5 J**	**57.1 J**	**1.04 J**	**336 J**	**65.8 J**
Total Pentachlorodibenzofuran (PeCDF)		**1.81 J**	**68.6 J**	**0.262 J**	**55.5 J**	**292 J**	**1.27 J**	**117 J**	**4.32 J**	**438 J**	**368 J**
Total Hexachlorodibenzofuran (HxCDF)		**0.609 J**	**160 J**	**0.544 J**	**128 J**	**879 J**	**0.556 J**	**373 J**	**24 J**	**1330 J**	**1450 J**
Total Heptachlorodibenzofuran (HpCDF)		0.639 U	**376 J**	1.11 U	**332 J**	**1880**	0.312 U	**951**	**54.5 J**	**4410**	**4230**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	2	**0.493771 J**	**21.6848 J**	**0.0402973 J**	**18.2822 J**	**49.5264 J**	**0.271267 J**	**46.0562 J**	**1.21459 J**	**110.6724 J**	**83.6586 J**

Table 7-8g
Subsurface Sediment Results: Dioxin/Furans

	Location ID	DSIP2-SB-11_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-12_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312	DSIP2-SB-14_1312
	Depth	6.3 – 8.3 ft	0 – 2 ft	2 – 4 ft	4.5 – 6.5 ft	6.5 – 8.5 ft	6.5 – 8.5 ft	8.5 – 10.3 ft	0.3 – 2.3 ft	2.3 – 4.3 ft	5 – 7.5 ft
	Sample ID	DSIP2-SB-11-6.3-8.3	DSIP2-SB-12-0-2	DSIP2-SB-12-2-4	DSIP2-SB-12-4.5-6.5	DSIP2-SB-12-6.5-8.5	DSIP2-SB-62-6.5-8.5	DSIP2-SB-12-8.5-10.3	DSIP2-SB-14-0.3-2.3	DSIP2-SB-14-2.3-4.3	DSIP2-SB-14-5-7.5
	Sample Date	12/16/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013
	Sample Type	N	N	N	N	N	FD	N	N	N	N
	X	1267949.10	1268085.51	1268085.51	1268085.51	1268085.51	1268085.51	1268085.51	1268107.89	1268107.89	1268107.89
	Y	205009.33	204804.91	204804.91	204804.91	204804.91	204804.91	204804.91	204304.40	204304.40	204304.40
	Screening Level										
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)		**1.65**	**0.645 J**	**1.11**	**1.79**	**3.3**	**3.3**	**0.362 J**	**0.585 J**	**0.917 J**	0.0598 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		**9.38**	**2.21**	**3.98**	**5.34**	**9.42**	**9.85**	**0.763 J**	**2.36**	**3.65**	0.0538 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**21.9 J**	**3**	**5.34**	**4.88**	**10.5**	**11.1**	**0.981 J**	**3.45**	**4.89**	**0.0678 J**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**695**	**14.8**	**32.1**	**32.3**	**76.8**	**82.2**	**9.94**	**20.2**	**28.4**	**0.205 J**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		**53.2**	**7.14**	**13**	**17**	**36.2**	**37.1**	**2.88**	**8.25**	**12.1**	0.217 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		**20800**	**409**	**1040**	**1230**	**2390**	**2800**	**304**	**624**	**845**	4.31 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		**190000 J**	**3890**	**10300 J**	**12000 J**	**24000 J**	**26000 J**	**3660**	**6160 J**	**8360 J**	32.6 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)		**57.1 J**	**19.2 J**	**10.9 J**	**13.4 J**	**17.6 J**	**19.8 J**	**3.79 J**	**8.91 J**	**10.8 J**	0.192 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)		**255**	**30.6**	**33.3**	**37**	**58.5**	**65.7**	**8.23**	**23.7**	**35.4**	0.383 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)		**2350 J**	**137 J**	**238**	**257**	**513**	**539**	**54 J**	**158**	**226**	3.22 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)		**33800**	**1100**	**2530**	**2670**	**5070**	**5310**	**600**	**1610**	**2190**	11.7 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		**18.6**	**1.61**	**2.54**	**3.06**	**5.08**	**4.75**	**0.964 J**	**1.91 J**	**3.21**	0.0638 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		**93**	**1.34**	**2.56**	**2.81**	**4.5**	**4.19**	**1.55**	**1.78**	**2.37 J**	0.0399 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		**290**	**3.08**	**6.28**	**5.75**	**11.3**	**10.4**	**6.16**	**3.82**	**6.69**	0.0419 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		**3230**	**13**	**37.3**	**28**	**65.1**	**58.3**	**39.2**	**19**	**32.9**	**0.0837 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		**455**	**3.46**	**7.93**	**7.07**	**13.7**	**12.6**	**6.18**	**4.53**	**8.18**	0.0419 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		**518 J**	**2.75 J**	**6.19 J**	**5.22 J**	**11.3 J**	**10.3 J**	**6.95 J**	**3.5 J**	**5.31 J**	0.0618 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		**243**	**5.42**	**12.4**	**10.2**	**21.7**	**20**	**8.15**	**6.95**	**11.5**	0.0459 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		**10800**	**81.7**	**214**	**165**	**399**	**377**	**101**	**114**	**172**	0.531 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		**1830**	**7.76**	**26.9**	**19.3**	**42.5**	**39.2**	**13.5**	**12.5**	**21.9**	0.0538 U
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		**32300**	**267**	**849**	**561**	**1360**	**1230**	**259**	**468**	**597**	**1.39 J**
Total Tetrachlorodibenzofuran (TCDF)		**265**	**37.4 J**	**43.6 J**	**54 J**	**109 J**	**103 J**	**24.3 J**	**28 J**	**41.6 J**	0.0638 U
Total Pentachlorodibenzofuran (PeCDF)		**3790**	**58.5 J**	**100 J**	**90.7 J**	**186 J**	**184 J**	**74.9 J**	**68.7 J**	**97 J**	**0.218 J**
Total Hexachlorodibenzofuran (HxCDF)		**22900 J**	**148 J**	**364 J**	**278 J**	**695 J**	**643 J**	**235 J**	**205 J**	**315 J**	**0.871 J**
Total Heptachlorodibenzofuran (HpCDF)		**33400 J**	**333 J**	**1010**	**730**	**1850**	**1610**	**423**	**505 J**	**753 J**	**2.01**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	2	**1025.28 J**	**15.1689 J**	**34.8845 J**	**37.6236 J**	**76.206 J**	**80.3617 J**	**15.9047 J**	**20.4168 J**	**30.3702 J**	**0.036067 J**

Table 7-8g
Subsurface Sediment Results: Dioxin/Furans

	Location ID	DSIP2-SB-14_1312	DSI-SB-02	DSI-SB-02	DSI-SB-02	DSI-SB-05	DSI-SB-05	DSI-SB-05	DSI-SB-07	DSI-SB-07	DSI-SB-07
	Depth	8 – 10 ft	1 – 2.3 ft	3.7 – 5.2 ft	8.5 – 10 ft	1 – 2 ft	6 – 7 ft	9.3 – 11 ft	1 – 2 ft	10.5 – 11.9 ft	11.9 – 12.3 ft
	Sample ID	DSIP2-SB-14-8-10	DSI-SB-02-1-2.3	DSI-SB-02-3.7-5.2	DSI-SB-02-8.5-10	DSI-SB-05-1-2	DSI-SB-05-6-7	DSI-SB-05-9.3-11	DSI-SB-07-1-2	DSI-SB-07-10.5-11.9	DSI-SB-07-11.9-12.3
	Sample Date	12/17/2013	3/11/2011	3/11/2011	3/11/2011	3/10/2011	3/10/2011	3/10/2011	3/9/2011	3/9/2011	3/9/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N
	X	1268107.89	1268229.03	1268229.03	1268229.03	1268087.01	1268087.01	1268087.01	1267979.72	1267979.72	1267979.72
	Y	204304.40	204122.15	204122.15	204122.15	204645.92	204645.92	204645.92	204866.56	204866.56	204866.56
	Screening Level										
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)		0.0356 U	**0.532 J**	**2.1**	**0.0575 J**	**0.665 J**	**0.41 J**	**0.081 J**	**1.01 J**	**1.53**	**0.169 J**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		0.0967 U	**2.38 J**	**7.1 J**	**0.291 J**	**3.25 J**	**2.02 J**	**0.186 J**	**4.35 J**	**11.9 J**	**0.8 J**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**0.132 J**	**2.87**	**7.96**	**0.16 J**	**4.47**	**3.37**	0.0427 U	**5.75**	**24.7**	**0.935 J**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		**0.182 J**	**12.4**	**62.2**	**0.257 J**	**21.7**	**38.9**	**0.306 J**	**30.8**	**589**	**12.3**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		0.253 U	**6.72**	**27.7**	0.27 U	**10**	**7.84**	**0.291 J**	**13.2**	**61.5**	**2.34**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		3.47 U	**333**	**1930**	**1.27 J**	**695**	**2120**	**8.4**	**994**	**19400**	**321**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		22.3 U	**3060**	**20600**	**7.82**	**6900**	**26200**	**78.4**	**10100**	**169000**	**3290**
Total Tetrachlorodibenzo-p-dioxin (TCDD)		**0.418 J**	**12.1 J**	**20.6 J**	**1.04 J**	**15.1 J**	**18.2 J**	**1.76 J**	**19.2 J**	**51.7 J**	**5.1 J**
Total Pentachlorodibenzo-p-dioxin (PeCDD)		1.19 U	**20 J**	**54.2 J**	**1.01 J**	**31.1 J**	**81.2 J**	**1.53 J**	**40.3 J**	**342 J**	**10.3 J**
Total Hexachlorodibenzo-p-dioxin (HxCDD)		4.3 U	**106**	**427**	**1.61 J**	**217**	**356**	**3.94 J**	**264**	**2430**	**67.4 J**
Total Heptachlorodibenzo-p-dioxin (HpCDD)		10.3 U	**920 J**	**3800 J**	**2.65 J**	**2130 J**	**3600 J**	**15.7 J**	**2720 J**	**25600 J**	**592**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		0.0257 U	**1.59**	**3.23**	0.331 UJ	**2.37**	**1.21**	0.0791 U	**2.64**	**9.83**	**0.939 J**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		0.0277 U	**1.36 J**	**2.97**	0.642 U	**2**	**0.996 J**	**0.0751 J**	**2.54**	**34.9**	**1.93 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		0.0277 U	**2.44**	**7.33**	0.279 UJ	**4.26**	**1.94**	**0.0553 J**	**5.29**	**110**	**2.8**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		**0.0277 J**	**9.2**	**38**	0.701 UJ	**20.6**	**13.7**	**0.229 J**	**30.1**	**1330**	**39.2**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		0.0218 U	**2.85**	**8.9**	0.294 UJ	**4.99**	**3.44**	**0.0771 J**	**7.23**	**196**	**5.98**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		0.0297 U	**1.84 J**	**7.41**	0.0427 U	**4.08**	**2.84**	0.0397 U	**6.17**	**244**	**6.29 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		0.0237 U	**3.98**	**13.5**	**0.136 J**	**7.44**	**6.59**	0.033 U	**10.3**	**333**	**9.27**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		0.138 U	**61.9**	**270**	0.595 U	**119**	**199**	**1.27 J**	**193**	**8800**	**166**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		0.0435 U	**5.7**	**24.5**	**0.109 J**	**13.5**	**30.3**	**0.18 J**	**21.5**	**1100**	**25.4**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		0.233 U	**207**	**829**	0.371 U	**397**	**998**	**3.54 J**	**681**	**53500**	**524**
Total Tetrachlorodibenzofuran (TCDF)		**0.0746 J**	**34.9 J**	**78.9 J**	**2.8 J**	**44.8 J**	**20.9 J**	**0.176 J**	**51.7 J**	**180**	**12.9 J**
Total Pentachlorodibenzofuran (PeCDF)		0.0277 U	**48.7 J**	**125 J**	**2.78 J**	**81 J**	**43.9 J**	**0.372 J**	**110 J**	**1840 J**	**57.9 J**
Total Hexachlorodibenzofuran (HxCDF)		0.114 U	**106 J**	**437 J**	1.79 UJ	**211 J**	**204**	**2.08 J**	**354 J**	**15200**	**264 J**
Total Heptachlorodibenzofuran (HpCDF)		0.341 U	**241**	**1230**	0.851 UJ	**497**	**992**	**5.32 J**	**852**	**28400**	**725**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	2	**0.03417 J**	**12.8159 J**	**57.0518 J**	**0.419936 J**	**23.2821 J**	**42.48328 J**	**0.499235 J**	**32.9615 J**	**686.03 J**	**15.8605 J**

Table 7-8g
Subsurface Sediment Results: Dioxin/Furans

	Location ID	DSI-SB-07	DSI-SB-09	DSI-SB-09	DSI-SB-09	DSI-SB-09
	Depth	6.5 – 7.5 ft	1 – 2 ft	11 – 12.1 ft	8.5 – 10 ft	8.5 – 10 ft
	Sample ID	DSI-SB-07-6.5-7.5	DSI-SB-09-1-2	DSI-SB-09-11-12.1	DSI-SB-09-8.5-10	DSI-SB-59-8.5-10
	Sample Date	3/9/2011	3/10/2011	3/10/2011	3/10/2011	3/10/2011
	Sample Type	N	N	N	N	FD
	X	1267979.72	1268195.47	1268195.47	1268195.47	1268195.47
	Y	204866.56	204416.39	204416.39	204416.39	204416.39
	Screening Level					
Dioxin Furans (ng/kg)						
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)		1.58 J	0.793 J	1.61	1.56	1.47
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)		6.23 J	3.19 J	3.73 J	4.28 J	4.38 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		8.7	4.18	4.31	3.79	3.89
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)		73	24.5	31.2	40.3	46
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)		21.8	9.97	13.4	15.4	18.8
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)		2230	762	924	1550	2680
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		20200	6970	10200	19500	27500
Total Tetrachlorodibenzo-p-dioxin (TCDD)		42.5 J	15.2 J	12.5 J	18.5 J	16.5 J
Total Pentachlorodibenzo-p-dioxin (PeCDD)		82.7 J	31 J	32.2 J	69.9 J	59.6 J
Total Hexachlorodibenzo-p-dioxin (HxCDD)		395	212 J	200	347	467
Total Heptachlorodibenzo-p-dioxin (HpCDD)		3970 J	2130 J	1850 J	3010 J	5560 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)		5.7	2.42	2.69	3.69	2.72
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)		6.94	2.37	3.03	2.12	2.03
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)		21.6	5.11	4.23	5.18	3.99
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)		162	29.1	13.2	24.6	18
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)		31	6.54	4.52	6.33	5.17
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)		27.5	6.35	4.62	4.86	3.54
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)		42.1	9.16	2.44 J	10.8	9.14
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)		890	168	114	217	183
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)		100	17.9	9.26	24.2	19.9
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		4660	653	359	825	613
Total Tetrachlorodibenzofuran (TCDF)		206 J	58.9 J	42.6 J	61.3 J	55.4
Total Pentachlorodibenzofuran (PeCDF)		392 J	104 J	86.5 J	93.1 J	84.8 J
Total Hexachlorodibenzofuran (HxCDF)		1490	307	266 J	393	325 J
Total Heptachlorodibenzofuran (HpCDF)		4600	770	477	1070	871
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	2	91.3362 J	26.575 J	27.9782 J	42.4441 J	55.0968 J

Table 7-8g
Subsurface Sediment Results: Dioxin/Furans

Notes:
Detected concentration is greater than the sediment screening level
Non-detected concentration is above the sediment screening level
Bold = Detected result
FD = field duplicate
ft = foot
J = estimated value
N = normal sample
ng/kg = nanograms per kilogram
TEQ = Toxic Equivalents Quotient
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit

Table 7-9
Catch Basin Solid Results

Location ID	**DSIP2-CB-01**
Depth	**0 – 10 cm**
Sample ID	**DSIP2-CB-01-10182013**
Sample Date	**10/18/2013**
X	**1267954.43**
Y	**204461.37**
Conventional Parameters (pct)	
Total organic carbon	**2.27**
Total solids	**33.7**
Grain Size (pct)	
Percent retained 1.3 micron sieve	**17.6**
Percent retained 3.2 micron sieve	**14.4**
Percent retained 7 micron sieve	**6.4**
Percent retained 9 micron sieve	**5.6**
Percent retained 13 micron sieve	**7.2**
Percent retained 22 micron sieve	**3.2**
Percent retained 32 micron sieve	**4.8**
Percent retained 75 micron sieve (#200)	**0.6**
Percent retained 150 micron sieve (#100)	**0.3**
Percent retained 250 micron sieve (#60)	**0.3**
Percent retained 425 micron sieve (#40)	**0.2**
Percent retained 850 micron sieve (#20)	**0.2**
Percent retained 2000 micron sieve (#10)	0.1 U
Percent retained 4750 micron sieve (#4)	0.1 U
Percent retained 9500 micron sieve	0.1 U
Percent retained 12500 micron sieve	0.1 U
Percent retained 19000 micron sieve	0.1 U
Percent retained 25K micron sieve	0.1 U
Percent retained 37.5K micron sieve	0.1 U
Percent retained 50K micron sieve	0.1 U
Percent retained 75K micron sieve	0.1 U
Percent passing < 1.3 micron sieve	**39.2**
Metals (mg/kg)	
Arsenic	**7.8**
Cadmium	**0.7**
Chromium	**57**
Chromium VI	1.15 U
Copper	**66**
Lead	**32.1**
Mercury	**0.17**
Silver	0.6 U
Zinc	**330**
Organometallic Compounds (µg/kg)	
Tributyltin (ion)	3.7 U
Polycyclic Aromatic Hydrocarbons (µg/kg)	
1-Methylnaphthalene	36 U
2-Methylnaphthalene	**25 J**
Acenaphthene	36 U
Acenaphthylene	**22 J**
Anthracene	**21 J**
Benzo(a)anthracene	**69**
Benzo(a)pyrene	**68**
Benzo(b)fluoranthene	**160**
Benzo(b,j,k)fluoranthenes	**--**
Benzo(g,h,i)perylene	**230**
Benzo(k)fluoranthene	**47**
Carbazole	36 U
Chrysene	**200**
Dibenzo(a,h)anthracene	**18**
Dibenzofuran	36 U
Fluoranthene	**260**
Fluorene	**29 J**
Indeno(1,2,3-c,d)pyrene	**82**
Naphthalene	**27 J**
Phenanthrene	**150**
Pyrene	**260**
Total Benzofluoranthenes (b,j,k) (U = 0)	**207**
Total HPAH (SMS) (U = 0)	**1394**
Total LPAH (SMS) (U = 0)	**249 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	**108**
Semivolatile Organics (µg/kg)	
1,2,4-Trichlorobenzene	9 U
1,2-Dichlorobenzene	9 U
1,3-Dichlorobenzene	9 U
1,4-Dichlorobenzene	9 U
2,2'-Oxybis (1-chloropropane)	36 U
2,3,4,6-Tetrachlorophenol	36 U
2,4,5-Trichlorophenol	180 U

Table 7-9
Catch Basin Solid Results

Location ID	**DSIP2-CB-01**
Depth	**0 – 10 cm**
Sample ID	**DSIP2-CB-01-10182013**
Sample Date	**10/18/2013**
X	**1267954.43**
Y	**204461.37**
2,4,6-Trichlorophenol	180 U
2,4-Dichlorophenol	180 U
2,4-Dimethylphenol	45 U
2,4-Dinitrophenol	360 U
2,4-Dinitrotoluene	180 U
2,6-Dinitrotoluene	180 U
2-Chloronaphthalene	36 U
2-Chlorophenol	36 U
2-Methylphenol (o-Cresol)	**8.2 J**
2-Nitroaniline	180 U
2-Nitrophenol	36 U
3,3'-Dichlorobenzidine	**-- R**
3-Nitroaniline	180 U
4-Bromophenyl-phenyl ether	36 U
4-Chloro-3-methylphenol	180 U
4-Chloroaniline	180 UJ
4-Chlorophenyl phenyl ether	36 U
4-Methylphenol (p-Cresol)	**35**
4-Nitroaniline	180 U
4-Nitrophenol	180 U
Benzoic acid	360 U
Benzyl alcohol	36 U
bis(2-Chloroethoxy)methane	36 U
bis(2-Chloroethyl)ether	36 U
bis(2-Ethylhexyl)phthalate	**1100 J**
Butylbenzyl phthalate	**39**
Diethyl phthalate	**52**
Dimethyl phthalate	9 U
Di-n-butyl phthalate	36 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	360 U
Di-n-octyl phthalate	36 U
Hexachlorobenzene	9 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	--
Hexachlorocyclopentadiene	180 UJ
Hexachloroethane	36 U
Isophorone	36 U
Nitrobenzene	36 U
n-Nitrosodi-n-propylamine	36 U
n-Nitrosodiphenylamine	**29 J**
Pentachlorophenol	36 UJ
Phenol	**60**
Total Petroleum Hydrocarbons (mg/kg)	
Gasoline range hydrocarbons	49 U
Diesel range hydrocarbons	**350**
Motor oil range hydrocarbons	**1700**
Total Diesel and Motor Oil (U = 0)	**2050**
Dioxin Furans (ng/kg)	
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.283 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	**0.668 J**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	**1.02 J**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	**3.01 J**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	**1.94**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	**78.2**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	**752**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	**2.47 J**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	**5.6 J**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	**30.6 J**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	**171**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	**0.287 J**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	**0.287 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	**0.463 J**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	**1.46**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	**0.708 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	**0.305 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	**0.845 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	**12.3**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	**0.905 J**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	**32.1 J**
Total Tetrachlorodibenzofuran (TCDF)	**4.71 J**
Total Pentachlorodibenzofuran (PeCDF)	**8.78 J**
Total Hexachlorodibenzofuran (HxCDF)	**22.3 J**
Total Heptachlorodibenzofuran (HpCDF)	**34.5 J**

Table 7-9
Catch Basin Solid Results

Location ID	**DSIP2-CB-01**
Depth	**0 – 10 cm**
Sample ID	**DSIP2-CB-01-10182013**
Sample Date	**10/18/2013**
X	**1267954.43**
Y	**204461.37**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	**2.9 J**
PCB Aroclors (µg/kg)	
Aroclor 1016	3.9 U
Aroclor 1221	3.9 U
Aroclor 1232	3.9 U
Aroclor 1242	3.9 U
Aroclor 1248	4.9 U
Aroclor 1254	**6.6**
Aroclor 1260	**6.2**
Total PCB Aroclors (SMS Marine 2013) (U = 0)	**12.8**
PCB Congeners (ng/kg)	
PCB-001	**3.48 J**
PCB-002	**5.11**
PCB-003	**7.05 J**
PCB-004/010	**11.3**
PCB-005/008	**61.3**
PCB-006	**12.2**
PCB-007/009	**5.86 J**
PCB-011	**331**
PCB-012/013	5.42 U
PCB-014	4.53 U
PCB-015	**38.4**
PCB-016/032	**66.8**
PCB-017	**38.5**
PCB-018	**95.9**
PCB-019	**7.52**
PCB-020/021/033	**91.8**
PCB-022	**51.3**
PCB-023	8.39 U
PCB-024/027	**8.29**
PCB-025	9.2 U
PCB-026	**17.5 J**
PCB-028	**130**
PCB-029	9.17 U
PCB-030	6.94 U
PCB-031	**120**
PCB-034	9.33 U
PCB-035	**24.2 J**
PCB-036	9.75 U
PCB-037	**54.7**
PCB-038	9.3 U
PCB-039	9.4 U
PCB-040	**24.7 J**
PCB-041/064/071/072	**138**
PCB-042/059	**47.1 J**
PCB-043/049	**106**
PCB-044	**154**
PCB-045	**17.2 J**
PCB-046	9.31 U
PCB-047	**42.2**
PCB-048/075	**26.7 J**
PCB-050	7.29 U
PCB-051	6.95 U
PCB-052/069	**179**
PCB-053	**13.6 J**
PCB-054	5.48 U
PCB-055	4.77 U
PCB-056/060	**108**
PCB-057	4.47 U
PCB-058	4.72 U
PCB-061/070	**221**
PCB-062	5.51 U
PCB-063	4.57 U
PCB-065	5.48 U
PCB-066/076	**116**
PCB-067	4.94 U
PCB-068	4.95 U
PCB-073	5.61 U
PCB-074	**65.1**
PCB-077	**32.7**
PCB-078	6.15 U
PCB-079	**13.1 J**

Table 7-9
Catch Basin Solid Results

Location ID	**DSIP2-CB-01**
Depth	**0 – 10 cm**
Sample ID	**DSIP2-CB-01-10182013**
Sample Date	**10/18/2013**
X	**1267954.43**
Y	**204461.37**
PCB-080	4.27 U
PCB-081	**4.63 J**
PCB-082	**56.5**
PCB-083	6.52 U
PCB-084/092	**156**
PCB-085/116	**62.9**
PCB-086	10.1 U
PCB-087/117/125	**158**
PCB-088/091	**54.2 J**
PCB-089	**6.45 J**
PCB-090/101	**398**
PCB-093	9.06 U
PCB-094	9.14 U
PCB-095/098/102	**312**
PCB-096	7.61 U
PCB-097	**120**
PCB-099	**147**
PCB-100	8.23 U
PCB-103	8.84 U
PCB-104	6.45 U
PCB-105	**130**
PCB-106/118	**343**
PCB-107/109	**29.6 J**
PCB-108/112	**21.8 J**
PCB-110	**456**
PCB-111/115	**9.5 J**
PCB-113	6.69 U
PCB-114	8.87 U
PCB-119	**5.83 J**
PCB-120	5.71 U
PCB-121	6.13 U
PCB-122	9.87 U
PCB-123	**8.53 J**
PCB-124	**23.1 J**
PCB-126	**10.9 J**
PCB-127	12.6 U
PCB-128/162	**79.6**
PCB-129	**26.3**
PCB-130	**34.5**
PCB-131	7.59 U
PCB-132/161	**143**
PCB-133/142	**16.7 J**
PCB-134/143	**28.6 J**
PCB-135	**77.1**
PCB-136	**71.7**
PCB-137	**18 J**
PCB-138/163/164	**517**
PCB-139/149	**453**
PCB-140	**5.82 J**
PCB-141	**120**
PCB-144	**31**
PCB-145	5.59 U
PCB-146/165	**77.8**
PCB-147	**9.01 J**
PCB-148	7.84 U
PCB-150	5.74 U
PCB-151	**140**
PCB-152	5.61 U
PCB-153	**456**
PCB-154	**7.34 J**
PCB-155	5.35 U
PCB-156	**45.5**
PCB-157	7.45 U
PCB-158/160	**59.7**
PCB-159	6.25 U
PCB-166	6.06 U
PCB-167	**28.7**
PCB-168	4.89 U
PCB-169	9.26 U
PCB-170	**160**
PCB-171	**45.5**
PCB-172	**35**

Table 7-9
Catch Basin Solid Results

Location ID	**DSIP2-CB-01**
Depth	**0 – 10 cm**
Sample ID	**DSIP2-CB-01-10182013**
Sample Date	**10/18/2013**
X	**1267954.43**
Y	**204461.37**
PCB-173	6.09 U
PCB-174	**175**
PCB-175	**8.69 J**
PCB-176	**26.2**
PCB-177	**101**
PCB-178	**42.7**
PCB-179	**81.5**
PCB-180	**368**
PCB-181	4.93 U
PCB-182/187	**221**
PCB-183	**99.9**
PCB-184	3.54 U
PCB-185	**21 J**
PCB-186	3.31 U
PCB-188	3.03 U
PCB-189	**9.54 J**
PCB-190	**35.9**
PCB-191	**8.59 J**
PCB-192	4.36 U
PCB-193	**19.8 J**
PCB-194	**89.2**
PCB-195	**38.4**
PCB-196/203	**110**
PCB-197	**7.21 J**
PCB-198	**5.79 J**
PCB-199	**105**
PCB-200	**17.2 J**
PCB-201	**19.5 J**
PCB-202	**30.8**
PCB-204	6.42 U
PCB-205	**7.3 J**
PCB-206	**62.5**
PCB-207	**10.1 J**
PCB-208	**16.9 J**
PCB-209	**15.3 J**
Total PCB Congener (U = 0)	**9441 J**

Notes:
Bold = Detected result
-- = not analyzed
µg/kg = micrograms per kilogram
cm = centimeter
cPAH = carcinogenic polycyclic aromatic hydrocarbon
HPAH = high molecular weight polycyclic aromatic hydrocarbon
J = estimated value
LPAH = low molecular weight polycyclic aromatic hydrocarbon
mg/kg = milligrams per kilogram
ng/kg = nanograms per kilograms
PCB = polychlorinated biphenyl
pct = percent
SMS = Sediment Management Standards
TEQ = Toxic Equivalents Quotient
U = compound analyzed, but not detected above detection limit

Table 7-10
Stormwater Results

Location ID	DSIP2-STW-01_1404	DSIP2-STW-01_1404	DSIP2-STW-01_1404	DSIP2-STW-01-121213	DSIP2-STW-01-121213
Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
Sample ID	DSIP2-STW-01-040814	DSIP2-STW-01-041614	DSIP2-STW-51-040814	DSIP2-STW-01-031414	DSIP2-STW-01-121213
Sample Date	4/8/2014	4/16/2014	4/8/2014	3/14/2014	12/12/2013
Sample Type	N	N	FD	N	N
X	1267950.56	1267950.56	1267950.56	1267950.56	1267950.56
Y	204461.45	204461.45	204461.45	204461.45	204461.45
Conventional Parameters (mg/L)					
Total suspended solids	**184**	**2.8**	**106**	**31.5**	**8**
Conventional Parameters, Dissolved (mg/L)					
Total dissolved solids	**6540**	**2840**	**6180**	**2240**	**2970**
Metals (µg/L)					
Antimony	**2 J**	**0.9**	**2 J**	**2.9**	**1.3**
Arsenic	**4**	**1.8**	**3**	**3.9**	**0.7**
Barium	**553**	**106**	**525**	**215**	**146**
Beryllium	0.5 U	0.5 U	0.5 U	0.2 U	1 U
Cadmium	0.5 U	**0.3**	0.5 U	**0.4**	0.2 U
Chromium	**9**	1 U	**7**	**6.8**	**1.3**
Chromium VI	10 UJ	**69 J**	10 UJ	--	--
Copper	**49**	**16**	**38**	**27.1**	**6.5**
Lead	**17.2**	**1.3**	**11**	**11.3**	**1.5**
Mercury	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	**14**	**8**	**11**	**5.7**	**5.3**
Selenium	2 U	1 U	2 U	**1**	0.5 U
Silver	1 U	0.5 U	1 U	0.2 U	0.2 U
Thallium	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U
Zinc	**150**	**40**	**100**	**100**	**19**
Metals, Dissolved (µg/L)					
Antimony	**2**	**1.1**	**2**	**3**	**1.1**
Arsenic	**2**	**1.2**	**2**	**2.9**	**0.4**
Barium	**465**	**94**	**471**	**184**	**133**
Beryllium	0.5 U	0.5 U	0.5 U	0.2 U	1 U
Cadmium	0.5 U	**0.2**	0.5 U	**0.2**	0.2 U
Chromium	2 U	1 U	2 U	**4.4**	0.5 U
Chromium VI	--	--	--	10 U	10 U
Copper	**8**	**6**	**9**	**10.2**	**4.9**
Lead	0.2 U	0.2 U	0.2 U	**0.8**	0.1 U
Mercury	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	**3 J**	**5**	**4 J**	**3.5**	**5**
Selenium	2 U	1 U	2 U	**0.5**	0.5 U
Silver	1 U	0.5 U	1 U	0.2 U	0.2 U
Thallium	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U
Zinc	20 U	**20**	20 U	**19**	**12**
Organometallic Compounds (µg/L)					
Tributyltin (ion)	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Polycyclic Aromatic Hydrocarbons (µg/L)					
1-Methylnaphthalene	0.01 UJ	0.01 U	0.01 UJ	**0.0074 J**	0.01 U
2-Methylnaphthalene	**0.0066 J**	0.01 U	**0.005 J**	**0.0072 J**	0.01 U
Acenaphthene	**0.0062 J**	**0.014**	**0.0053 J**	**0.031**	0.01 U
Acenaphthylene	0.01 UJ	0.01 U	0.01 UJ	0.01 U	0.01 U
Anthracene	**0.0079 J**	0.01 U	0.01 UJ	**0.0076 J**	0.01 U
Benzo(a)anthracene	**0.028**	**0.0051 J**	**0.018**	**0.018**	0.01 U
Benzo(a)pyrene	**0.03**	0.01 U	**0.017**	**0.019**	0.01 U
Benzo(b)fluoranthene	**0.062**	0.01 U	**0.04**	**0.039**	0.01 U
Benzo(b,j,k)fluoranthenes	**0.11**	0.02 U	**0.068**	**0.068**	--
Benzo(g,h,i)perylene	**0.06**	0.01 U	**0.036**	**0.031**	0.01 U
Benzo(k)fluoranthene	**0.028**	0.01 U	**0.016**	**0.016**	0.01 U
Carbazole	1 U	1 UJ	1 U	1 U	1 U
Chrysene	**0.083**	0.01 U	**0.054**	**0.046**	**0.0052 J**
Dibenzo(a,h)anthracene	0.01 UJ	0.01 U	0.01 UJ	0.01 U	0.01 U
Dibenzofuran	**0.011 J**	**0.0053 J**	**0.0067 J**	**0.017**	0.01 U
Fluoranthene	**0.11**	**0.01**	**0.077**	**0.077**	**0.012**
Fluorene	**0.011**	**0.008 J**	**0.0086 J**	**0.026**	0.01 U
Indeno(1,2,3-c,d)pyrene	**0.03**	0.01 U	**0.017**	**0.02**	0.01 U
Naphthalene	**0.0081 J**	0.01 U	0.01 UJ	**0.013**	0.01 U
Phenanthrene	**0.053**	0.01 U	**0.037**	**0.06**	0.01 U
Pyrene	**0.14**	**0.013**	**0.089**	**0.08**	**0.016 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)	**0.05663 J**	**0.00051 J**	**0.03344 J**	**0.03556**	**0.000052 J**
Semivolatile Organics (µg/L)					
1,3-Dichlorobenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2'-Oxybis (1-chloropropane)	1 U	1 UJ	1 U	1 U	1 UJ
2,3,4,6-Tetrachlorophenol	1 U	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	3 U	3 U	3 U	3 U	3 U
2,4-Dichlorophenol	3 U	3 U	3 U	3 U	3 U
2,4-Dimethylphenol	3 U	3 UJ	3 U	3 UJ	3 UJ
2,4-Dinitrophenol	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	3 U	3 U	3 U	3 U	3 U
2,6-Dinitrotoluene	3 U	3 U	3 U	3 U	3 U
2-Chloronaphthalene	1 U	1 UJ	1 U	1 U	1 U
2-Chlorophenol	1 U	1 U	1 U	1 U	1 U

Table 7-10
Stormwater Results

Location ID	DSIP2-STW-01_1404	DSIP2-STW-01_1404	DSIP2-STW-01_1404	DSIP2-STW-01-121213	DSIP2-STW-01-121213
Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
Sample ID	DSIP2-STW-01-040814	DSIP2-STW-01-041614	DSIP2-STW-51-040814	DSIP2-STW-01-031414	DSIP2-STW-01-121213
Sample Date	4/8/2014	4/16/2014	4/8/2014	3/14/2014	12/12/2013
Sample Type	N	N	FD	N	N
X	1267950.56	1267950.56	1267950.56	1267950.56	1267950.56
Y	204461.45	204461.45	204461.45	204461.45	204461.45
2-Methylphenol (o-Cresol)	1 U	1 U	1 U	1 U	1 U
2-Nitroaniline	3 U	3 U	3 U	3 U	3 U
2-Nitrophenol	3 U	3 U	3 U	3 U	3 U
3,3'-Dichlorobenzidine	5 U	5 UJ	5 U	5 UJ	5 U
3-Nitroaniline	3 U	3 U	3 U	3 U	3 U
4-Bromophenyl-phenyl ether	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	3 U	3 U	3 U	3 U	3 U
4-Chloroaniline	5 U	5 U	5 U	5 UJ	5 U
4-Chlorophenyl phenyl ether	1 U	1 U	1 U	1 U	1 U
4-Methylphenol (p-Cresol)	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	3 UJ	3 U	3 UJ	3 U	3 U
4-Nitrophenol	10 U	10 U	10 U	10 U	10 U
Benzoic acid	20 U	20 U	20 U	20 U	20 U
Benzyl alcohol	2 U	2 U	2 U	2 U	2 UJ
bis(2-Chloroethoxy)methane	1 U	1 U	1 U	1 U	1 U
bis(2-Chloroethyl)ether	1 U	1 U	1 U	1 U	1 U
bis(2-Ethylhexyl)phthalate	3 U	3 U	3 U	3 U	3 U
Butylbenzyl phthalate	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	1 U	1 U	1 U	1 U	1 U
Dimethyl phthalate	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	1 U	1 U	1 U	1 U	1 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	1 U	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Hexachloroethane	2 UJ	2 UJ	2 UJ	2 U	2 UJ
Isophorone	1 U	1 U	1 U	1 U	1 U
Nitrobenzene	1 U	1 U	1 U	1 U	1 U
n-Nitrosodi-n-propylamine	1 U	1 U	1 U	1 U	1 U
n-Nitrosodiphenylamine	1 U	1 UJ	1 U	1 U	1 U
Pentachlorophenol	10 U	10 U	10 U	10 U	10 U
Phenol	**1**	1 U	**0.8 J**	1 U	1 U
Volatile Organics (µg/L)					
1,1,1,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,1-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,2-Dichloroethene, cis-	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,2-Dichloroethene, trans-	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,2-Dichloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, cis-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropene, trans-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
1,4-Dichloro-2-butene, trans-	1 U	1 U	1 U	1 U	1 UJ
1,4-Dichlorobenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethylvinyl ether	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Hexanone (Methyl butyl ketone)	5 UJ	5 U	5 UJ	5 U	5 U
4-Chlorotoluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	5 U	5 U	5 U	5 U	5 U
Acetone	**5.2**	**2.8 J**	**7.9**	**7.8 J**	**3.9 J**
Acrolein	5 UJ	5 U	5 UJ	5 U	5 U
Acrylonitrile	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ
Benzene	**0.015 J**	**0.01 J**	**0.016 J**	0.02 U	**0.016 J**
Bromobenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform (Tribromomethane)	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon tetrachloride (Tetrachloromethane)	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table 7-10
Stormwater Results

Location ID	DSIP2-STW-01_1404	DSIP2-STW-01_1404	DSIP2-STW-01_1404	DSIP2-STW-01-121213	DSIP2-STW-01-121213
Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
Sample ID	DSIP2-STW-01-040814	DSIP2-STW-01-041614	DSIP2-STW-51-040814	DSIP2-STW-01-031414	DSIP2-STW-01-121213
Sample Date	4/8/2014	4/16/2014	4/8/2014	3/14/2014	12/12/2013
Sample Type	N	N	FD	N	N
X	1267950.56	1267950.56	1267950.56	1267950.56	1267950.56
Y	204461.45	204461.45	204461.45	204461.45	204461.45
Chlorobenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene, p- (4-Isopropyltoluene)	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichloromethane (Methylene chloride)	1 U	1 U	1 U	1 U	1 U
Ethyl bromide (Bromoethane)	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylene dibromide (1,2-Dibromoethane)	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene (Cumene)	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	0.4 U	0.4 U	0.4 U	0.4 U	**0.11 J**
Methyl ethyl ketone (2-Butanone)	5 U	5 U	5 U	5 U	5 U
Methyl iodide (Iodomethane)	1 U	1 U	1 U	1 U	1 UJ
Methyl tert-butyl ether (MTBE)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene (PCE)	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene (TCE)	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Trichlorofluoromethane (Fluorotrichloromethane)	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl acetate	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Vinyl chloride	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Total Petroleum Hydrocarbons (mg/L)					
Gasoline range hydrocarbons	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Diesel range hydrocarbons	**0.11**	0.1 U	0.1 U	0.1 U	0.1 U
Motor oil range hydrocarbons	**0.49**	0.2 U	**0.35**	**0.29**	0.2 U
Total Diesel and Motor Oil (U = 0)	**0.6**	0.2 U	**0.35**	**0.29**	0.2 U
Total Diesel and Motor Oil (U = 1/2)	**0.6**	0.2 U	**0.4**	**0.34**	0.2 U
Dioxin Furans (ng/L)					
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.00022 U	0.0004 U	0.00024 U	**0.00266 J**	0.00032 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	**0.00072 J**	**0.000634 J**	**0.00032 J**	**0.00228 J**	0.0005 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	**0.00074 J**	0.00054 U	0.00036 U	**0.00154 J**	0.0006 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	**0.0015 J**	0.00056 U	**0.00128 J**	**0.00222 J**	**0.001 J**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	**0.00118 J**	0.00056 U	**0.00122 J**	**0.00303 J**	0.00066 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	**0.0379**	**0.0032 J**	**0.0366**	**0.0274**	0.0122 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	**0.412**	0.0239 U	**0.403**	**0.23**	0.0731 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)	0.00022 U	0.0004 U	0.00024 U	**0.00511 J**	0.00032 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	**0.00181 J**	**0.000634**	**0.000318 J**	**0.00668**	0.0005 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	**0.0122 J**	**0.00126 J**	**0.00853 J**	**0.00973 J**	**0.00382 J**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	**0.0824**	**0.00772 J**	**0.0804 J**	**0.0555**	0.0228 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	0.00026 U	0.0005 U	0.0003 U	0.0015 U	0.00036 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	**0.00066 J**	0.0005 U	**0.00046 J**	**0.00233 J**	**0.0004 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	**0.00042 J**	0.0005 U	0.00032 U	**0.00192 J**	0.00036 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	**0.00122 J**	**0.00042 J**	**0.00078 J**	0.00186 U	**0.0006 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.00054 U	**0.00034 J**	0.00052 U	**0.00194 J**	0.00036 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	**0.00038 J**	0.00048 UJ	**0.00034 J**	**0.00333 J**	0.00062 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	**0.00046 J**	0.0004 U	**0.00058 J**	**0.002 J**	0.00044 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	**0.00882 J**	**0.00066 J**	**0.00792 J**	**0.00801 J**	0.0026 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.00042 U	0.0007 U	**0.00048 J**	**0.00302 J**	0.00092 U
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	**0.0234**	0.001 U	**0.0193 J**	**0.023**	0.00332 U
Total Tetrachlorodibenzofuran (TCDF)	**0.000504 J**	0.0005 U	**0.000364 J**	0.00283 U	**0.000566 J**
Total Pentachlorodibenzofuran (PeCDF)	**0.00511 J**	0.0005 U	**0.00322 J**	**0.00816 J**	**0.00183 J**
Total Hexachlorodibenzofuran (HxCDF)	**0.0105 J**	**0.000772 J**	**0.00954 J**	**0.0183 J**	**0.00457 J**
Total Heptachlorodibenzofuran (HpCDF)	**0.0219**	**0.00125 J**	**0.0206 J**	**0.024 J**	0.00646 U
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)	**0.00197362 J**	**0.0007486 J**	**0.00129649 J**	**0.0074521 J**	**0.000172 J**
PCB Aroclors (µg/L)					
Aroclor 1016	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1221	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1232	0.01 U	0.01 U	0.01 U	0.01 U	0.018 U
Aroclor 1242	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1248	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1254	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aroclor 1260	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Total PCB Aroclors (U = 0)	0.01 U	0.01 U	0.01 U	0.01 U	0.018 U
PCB Congeners (ng/L)					
PCB-001	**0.0117**	0.00318 U	**0.00803**	**0.00193 J**	**0.000903 J**

Table 7-10
Stormwater Results

Location ID	DSIP2-STW-01_1404	DSIP2-STW-01_1404	DSIP2-STW-01_1404	DSIP2-STW-01-121213	DSIP2-STW-01-121213
Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
Sample ID	DSIP2-STW-01-040814	DSIP2-STW-01-041614	DSIP2-STW-51-040814	DSIP2-STW-01-031414	DSIP2-STW-01-121213
Sample Date	4/8/2014	4/16/2014	4/8/2014	3/14/2014	12/12/2013
Sample Type	N	N	FD	N	N
X	1267950.56	1267950.56	1267950.56	1267950.56	1267950.56
Y	204461.45	204461.45	204461.45	204461.45	204461.45
PCB-002	**0.00373 J**	0.00341 U	**0.00299 J**	**0.00149 J**	0.00161 U
PCB-003	**0.00551**	0.00333 U	**0.00388 J**	**0.00196 J**	0.00157 U
PCB-004/010	**0.00899 J**	0.00637 U	**0.00678 J**	0.0143 U	**0.0144**
PCB-005/008	**0.0326**	0.00867 U	**0.0261**	**0.0208 J**	0.00851 U
PCB-006	**0.00814 J**	0.00561 U	**0.0052 J**	0.0123 U	0.00856 U
PCB-007/009	0.0106 U	0.00554 U	0.0125 U	0.0122 U	0.00844 U
PCB-011	**0.237**	0.0191 U	**0.184**	**0.0777**	**0.0248**
PCB-012/013	0.0115 U	0.00602 U	0.0133 U	0.0139 U	0.00857 U
PCB-014	0.00963 U	0.00504 U	0.0112 U	0.0116 U	0.00717 U
PCB-015	**0.0236**	0.00588 U	**0.017**	**0.0121**	0.00837 U
PCB-016/032	**0.0498**	**0.005 J**	**0.0306**	**0.0305**	**0.01**
PCB-017	**0.0305**	0.00399 U	**0.0178**	**0.0172**	**0.0048 J**
PCB-018	**0.0728**	**0.00741**	**0.0428**	**0.0432**	**0.0158**
PCB-019	**0.0065**	0.00206 U	**0.00412 J**	**0.00517 J**	**0.00312 J**
PCB-020/021/033	**0.0264**	**0.004 J**	**0.0394**	**0.0325**	**0.00583 J**
PCB-022	**0.0142**	0.00295 U	**0.0234**	**0.017**	**0.00415 J**
PCB-023	0.0028 U	0.00222 U	0.00102 U	0.00213 U	0.00126 U
PCB-024/027	**0.00716 J**	0.00137 U	**0.00356 J**	**0.00379 J**	0.000612 U
PCB-025	0.00307 U	0.00244 U	**0.00477 J**	**0.00528**	0.00138 U
PCB-026	**0.00829 J**	0.00254 U	**0.01**	**0.00846**	0.00144 U
PCB-028	**0.0413**	**0.00303 J**	**0.0584**	**0.0397**	0.00884 U
PCB-029	0.00306 U	0.00243 U	0.00112 U	0.00233 U	0.00138 U
PCB-030	0.00156 U	0.00137 U	0.000748 U	0.000694 U	0.000561 U
PCB-031	**0.0448**	**0.00309 J**	**0.0492**	**0.0469**	**0.00772**
PCB-034	0.00311 U	0.00247 U	0.00114 U	0.00237 U	0.00141 U
PCB-035	0.00364 U	0.00226 U	**0.00865**	0.00212 U	0.00127 U
PCB-036	0.00358 U	0.00222 U	0.0012 U	0.00208 U	0.00125 U
PCB-037	**0.0181**	0.00398 U	**0.0264**	**0.0196**	**0.00306 J**
PCB-038	0.00341 U	0.00212 U	0.00114 U	0.00199 U	0.00119 U
PCB-039	0.00345 U	0.00214 U	0.00115 U	0.00201 U	0.0012 U
PCB-040	**0.0129**	0.00309 U	**0.0144**	**0.00977**	**0.00148 J**
PCB-041/064/071/072	**0.0598**	**0.00599 J**	**0.0644**	**0.0404**	**0.00796 J**
PCB-042/059	**0.0211**	**0.00284 J**	**0.0214**	**0.0147**	**0.0026 J**
PCB-043/049	**0.0428**	0.00231 U	**0.0478**	**0.0305**	**0.00725 J**
PCB-044	**0.0686**	**0.0069**	**0.0727**	**0.0432**	**0.0102**
PCB-045	**0.00877**	0.00259 U	**0.011**	**0.00726**	**0.00204 J**
PCB-046	**0.00474 J**	0.00287 U	**0.00447 J**	**0.00327 J**	0.00174 U
PCB-047	**0.0154**	0.00223 U	**0.018**	**0.0111**	**0.00963**
PCB-048/075	**0.0106 J**	0.0018 U	**0.0123**	**0.00816 J**	**0.0011 J**
PCB-050	0.0022 U	0.00204 U	0.00161 U	0.00149 U	0.00149 U
PCB-051	**0.00393 J**	0.00215 U	**0.00379 J**	**0.00203 J**	**0.00148 J**
PCB-052/069	**0.076**	**0.00818 J**	**0.0835**	**0.0517**	**0.0132**
PCB-053	**0.00738**	0.00212 U	**0.00843**	**0.00562**	**0.00155 J**
PCB-054	0.00166 U	0.00154 U	0.00121 U	0.00112 U	0.00112 U
PCB-055	0.00186 U	0.00161 U	0.00137 U	0.00132 U	0.000981 U
PCB-056/060	**0.0305**	**0.00264 J**	**0.032**	**0.029**	**0.00375 J**
PCB-057	0.00171 U	0.00152 U	0.00121 U	0.00115 U	0.000917 U
PCB-058	0.00181 U	0.0016 U	0.00128 U	0.00122 U	0.000969 U
PCB-061/070	**0.0805**	**0.00649 J**	**0.084**	**0.0564**	**0.00721 J**
PCB-062	0.00182 U	0.00181 U	0.00137 U	0.00125 U	0.00114 U
PCB-063	0.00175 U	0.00155 U	**0.00266 J**	**0.00175 J**	0.000937 U
PCB-065	0.00181 U	0.0018 U	0.00136 U	0.00124 U	0.00114 U
PCB-066/076	**0.0389**	**0.00358 J**	**0.0471**	**0.0358**	**0.0036 J**
PCB-067	0.00189 U	0.00168 U	0.00134 U	**0.00204 J**	0.00101 U
PCB-068	0.00163 U	0.00163 U	0.00123 U	0.00112 U	**0.00156 J**
PCB-073	0.00171 U	0.00173 U	0.00128 U	0.00127 U	0.00105 U
PCB-074	**0.0212 J**	**0.00235 J**	**0.0256**	**0.018**	**0.00224 J**
PCB-077	**0.0104**	0.00154 U	**0.0102**	**0.00805**	0.000967 U
PCB-078	0.00199 U	0.0016 U	0.00144 U	0.00141 U	0.000982 U
PCB-079	0.00198 U	0.00172 U	0.00146 U	0.00141 U	0.00105 U
PCB-080	0.00166 U	0.00144 U	0.00123 U	0.00118 U	0.000877 U
PCB-081	0.00174 U	0.00139 U	**0.00106 J**	0.00123 U	0.000855 U
PCB-082	**0.0268**	0.00454 U	**0.0202**	**0.0175**	**0.00238 J**
PCB-083	0.00899 U	0.00308 U	0.00135 U	0.00161 U	0.00191 U
PCB-084/092	**0.0865**	**0.00897 J**	**0.0628**	**0.0498**	**0.00952 J**
PCB-085/116	**0.0276**	0.00358 U	**0.0205**	**0.0143**	**0.00239 J**
PCB-086	0.0139 U	0.00475 U	0.00208 U	0.00248 U	0.00294 U
PCB-087/117/125	**0.0753**	**0.00453 J**	**0.0545**	**0.042**	**0.00748 J**
PCB-088/091	**0.0252**	**0.00359 J**	**0.0189**	**0.0137**	**0.00264 J**
PCB-089	0.0125 U	0.00408 U	0.00195 U	0.00212 U	0.00263 U
PCB-090/101	**0.215**	**0.0158**	**0.155**	**0.14**	**0.0227**
PCB-093	0.0107 U	0.00408 U	0.00171 U	0.00202 U	0.00255 U
PCB-094	0.0108 U	0.00412 U	0.00173 U	0.00204 U	0.00257 U
PCB-095/098/102	**0.154**	**0.0155**	**0.121**	**0.105**	**0.0176**

Table 7-10
Stormwater Results

Location ID	DSIP2-STW-01_1404	DSIP2-STW-01_1404	DSIP2-STW-01_1404	DSIP2-STW-01-121213	DSIP2-STW-01-121213
Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
Sample ID	DSIP2-STW-01-040814	DSIP2-STW-01-041614	DSIP2-STW-51-040814	DSIP2-STW-01-031414	DSIP2-STW-01-121213
Sample Date	4/8/2014	4/16/2014	4/8/2014	3/14/2014	12/12/2013
Sample Type	N	N	FD	N	N
X	1267950.56	1267950.56	1267950.56	1267950.56	1267950.56
Y	204461.45	204461.45	204461.45	204461.45	204461.45
PCB-096	0.00839 U	0.00321 U	**0.00134 J**	0.00148 U	0.00201 U
PCB-097	**0.0571**	**0.00412 J**	**0.042**	**0.0295**	**0.00572**
PCB-099	**0.0706**	**0.00648**	**0.0549**	**0.0402**	**0.00775**
PCB-100	0.00907 U	0.00346 U	0.00143 U	0.0016 U	0.00218 U
PCB-103	0.00974 U	0.00372 U	0.00154 U	0.00172 U	0.00234 U
PCB-104	0.00711 U	0.00272 U	0.00112 U	0.00126 U	0.00171 U
PCB-105	**0.0727**	**0.0047 J**	**0.0566**	**0.0439**	**0.0074**
PCB-106/118	**0.184**	**0.0114**	**0.139**	**0.103**	**0.0172**
PCB-107/109	0.00906 U	0.00264 U	**0.0106**	**0.00709 J**	**0.00147 J**
PCB-108/112	0.0108 U	0.00371 U	**0.00655 J**	**0.0052 J**	0.0023 U
PCB-110	**0.228**	**0.0188**	**0.168**	**0.129**	**0.0234**
PCB-111/115	0.00808 U	0.00276 U	0.00121 U	**0.00251 J**	0.00171 U
PCB-113	0.0089 U	0.0029 U	0.00139 U	0.00151 U	0.00187 U
PCB-114	0.0076 U	0.0019 U	0.00307 U	0.0023 U	0.00152 U
PCB-119	0.00806 U	0.00276 U	**0.0026 J**	**0.00182 J**	0.00171 U
PCB-120	0.00789 U	0.0027 U	0.00118 U	0.00141 U	0.00167 U
PCB-121	0.00727 U	0.00276 U	0.00116 U	0.00137 U	0.00173 U
PCB-122	0.00845 U	0.00211 U	0.00342 U	0.00256 U	0.00169 U
PCB-123	0.00972 U	0.00283 U	0.00158 U	0.00175 U	0.0017 U
PCB-124	0.00866 U	0.00252 U	**0.00807**	**0.00585**	0.00152 U
PCB-126	0.0108 U	0.00209 U	0.00382 U	0.00312 U	0.00153 U
PCB-127	0.0101 U	0.00223 U	0.00394 U	0.00281 U	0.00155 U
PCB-128/162	**0.0466**	**0.00303 J**	**0.0319**	**0.0242**	**0.00405 J**
PCB-129	**0.0166**	0.0026 U	**0.0111**	**0.00741 J**	**0.00135 J**
PCB-130	**0.0193**	0.00247 U	**0.015**	**0.00939**	**0.00191 J**
PCB-131	0.00567 U	0.00252 U	0.00448 U	0.00351 U	0.00124 U
PCB-132/161	**0.0843**	**0.00612 J**	**0.065**	**0.0537**	**0.00709 J**
PCB-133/142	**0.00804 J**	0.0024 U	**0.00704 J**	**0.00574 J**	**0.000969 J**
PCB-134/143	**0.0157**	0.00237 U	**0.0131**	**0.00994 J**	**0.00149 J**
PCB-135	**0.0389**	0.00416 U	**0.03**	**0.0321**	**0.00355 J**
PCB-136	**0.0351**	**0.00386 J**	**0.0297**	**0.0337**	**0.00397 J**
PCB-137	**0.0118 J**	0.00212 U	**0.00961**	**0.00534 J**	**0.000912 J**
PCB-138/163/164	**0.294**	**0.021**	**0.22**	**0.201**	**0.0257**
PCB-139/149	**0.213**	**0.0216**	**0.165**	**0.187**	**0.0215**
PCB-140	0.00272 U	0.00413 U	0.00194 U	0.00195 U	0.00194 U
PCB-141	**0.0678**	**0.00522**	**0.0517**	**0.0525**	**0.00505**
PCB-144	**0.0143**	0.00389 U	**0.0107**	**0.0128**	0.00182 U
PCB-145	0.00177 U	0.00268 U	0.00126 U	0.00126 U	0.00126 U
PCB-146/165	**0.0414**	**0.0038 J**	**0.0319**	**0.0265**	**0.00375 J**
PCB-147	0.00249 U	0.00378 U	0.00178 U	**0.00259 J**	0.00177 U
PCB-148	0.00248 U	0.00376 U	0.00176 U	0.00177 U	0.00176 U
PCB-150	0.00181 U	0.00275 U	0.00129 U	0.0013 U	0.00129 U
PCB-151	**0.064**	**0.00489**	**0.0488**	**0.0642**	**0.00621**
PCB-152	0.00177 U	0.00269 U	0.00126 U	0.00127 U	0.00126 U
PCB-153	**0.252**	**0.0203**	**0.198**	**0.2**	**0.0235**
PCB-154	**0.00445 J**	0.0035 U	0.00164 U	**0.00204 J**	0.00164 U
PCB-155	0.00169 U	0.00257 U	0.0012 U	0.00121 U	0.0012 U
PCB-156	**0.0256**	**0.00175 J**	**0.0201**	**0.018**	**0.00274 J**
PCB-157	**0.00598**	0.0019 U	**0.00464 J**	**0.00389 J**	0.000853 U
PCB-158/160	**0.032**	**0.00175 J**	**0.0252**	**0.0223**	**0.00276 J**
PCB-159	0.00484 U	0.00183 U	0.00311 U	0.00282 U	0.000806 U
PCB-166	0.00469 U	0.00177 U	0.00302 U	0.00273 U	0.000782 U
PCB-167	**0.0136**	0.00176 U	**0.0103**	**0.00716**	**0.00147 J**
PCB-168	0.00365 U	0.00162 U	0.00289 U	0.00226 U	0.000802 U
PCB-169	0.00586 U	0.00194 U	0.0032 U	0.00359 U	0.000892 U
PCB-170	**0.0932**	**0.00834**	**0.0676**	**0.088**	**0.0071**
PCB-171	**0.0282**	0.00201 U	**0.0183**	**0.0249**	**0.00228 J**
PCB-172	**0.0171**	0.00225 U	**0.0131**	**0.0169**	0.000858 U
PCB-173	0.00348 U	0.0024 U	0.00177 U	0.00164 U	0.000916 U
PCB-174	**0.102**	**0.0081**	**0.0772**	**0.0985**	**0.00647**
PCB-175	0.00268 U	0.00214 U	0.00168 U	**0.00542**	0.000887 U
PCB-176	**0.013**	0.00156 U	**0.0105**	**0.0133**	**0.00144 J**
PCB-177	**0.0606**	**0.00407 J**	**0.0425**	**0.0533**	**0.00428 J**
PCB-178	**0.0218**	0.00227 U	**0.0166**	**0.0207**	0.00094 U
PCB-179	**0.0417**	**0.00203 J**	**0.0348**	**0.0459**	**0.00302 J**
PCB-180	**0.214**	**0.0232**	**0.161**	**0.205**	**0.016**
PCB-181	0.00282 U	0.00194 U	0.00143 U	0.00133 U	0.000742 U
PCB-182/187	**0.116**	**0.0103**	**0.0945**	**0.115**	**0.00932 J**
PCB-183	**0.051**	**0.00476 J**	**0.0404**	**0.0556**	**0.0043 J**
PCB-184	0.00209 U	0.00168 U	0.00131 U	0.00106 U	0.000693 U
PCB-185	**0.0126**	0.00201 U	**0.00987**	**0.012**	0.000766 U
PCB-186	0.00196 U	0.00157 U	0.00123 U	0.000989 U	0.000648 U
PCB-188	0.00179 U	0.00144 U	0.00113 U	0.000906 U	0.000594 U
PCB-189	0.00325 U	0.0016 U	0.00142 U	**0.00336 J**	0.000482 U

Table 7-10
Stormwater Results

Location ID	DSIP2-STW-01_1404	DSIP2-STW-01_1404	DSIP2-STW-01_1404	DSIP2-STW-01-121213	DSIP2-STW-01-121213
Depth	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm	0 – 10 cm
Sample ID	DSIP2-STW-01-040814	DSIP2-STW-01-041614	DSIP2-STW-51-040814	DSIP2-STW-01-031414	DSIP2-STW-01-121213
Sample Date	4/8/2014	4/16/2014	4/8/2014	3/14/2014	12/12/2013
Sample Type	N	N	FD	N	N
X	1267950.56	1267950.56	1267950.56	1267950.56	1267950.56
Y	204461.45	204461.45	204461.45	204461.45	204461.45
PCB-190	**0.0138**	**0.00251 J**	**0.0132**	**0.0162**	**0.00141 J**
PCB-191	0.00238 U	0.00164 U	0.00121 U	**0.00332 J**	0.000627 U
PCB-192	0.00249 U	0.00172 U	0.00126 U	0.00117 U	0.000656 U
PCB-193	**0.00981**	0.0016 U	**0.00758**	**0.00992**	0.000611 U
PCB-194	**0.0418**	**0.0044 J**	**0.034**	**0.0426**	**0.00343 J**
PCB-195	**0.0198**	0.00256 U	**0.0146**	**0.0172**	0.00122 U
PCB-196/203	**0.0549**	**0.00391 J**	**0.0405**	**0.0453**	**0.00456 J**
PCB-197	0.0039 U	0.00335 U	0.00216 U	**0.00196 J**	0.000961 U
PCB-198	0.0056 U	0.0048 U	0.0031 U	0.00294 U	0.00138 U
PCB-199	**0.053**	0.00447 U	**0.0334**	**0.0406**	**0.00352 J**
PCB-200	**0.00635 J**	0.00347 U	**0.00589**	**0.00721**	0.000995 U
PCB-201	**0.00652 J**	0.00327 U	**0.00598**	**0.00704**	0.000939 U
PCB-202	**0.0122**	0.00332 U	**0.00931**	**0.0101**	0.000954 U
PCB-204	0.00411 U	0.00353 U	0.00228 U	0.00216 U	0.00101 U
PCB-205	0.011 U	0.00212 U	0.00371 U	0.00417 U	0.00101 U
PCB-206	**0.0286**	0.00337 U	**0.0227**	**0.0135**	**0.00209 J**
PCB-207	0.00435 U	0.00156 U	**0.00274 J**	0.00162 U	0.000722 U
PCB-208	**0.00777**	0.00151 U	**0.00798**	**0.004 J**	0.000696 U
PCB-209	0.0176 U	0.00317 U	**0.00583**	0.00775 U	**0.00107 J**
Total PCB Congener (U = 0)	**4.71766 J**	**0.32033 J**	**3.86932 J**	**3.47273 J**	**0.487344 J**

Notes:
Bold = Detected result
-- = not analyzed
µg/L = micrograms per liter
cm = centimeter
cPAH = carcinogenic polycyclic aromatic hydrocarbon
FD = field duplicate
J = estimated value
mg/L = milligrams per liter
ng/L = nanograms per liter
N = normal sample
PCB = polychlorinated biphenyl
TEQ = Toxic Equivalents Quotient
U = compound analyzed, but not detected above detection limit
UJ = compound analyzed, but not detected above estimated detection limit

Table 8-1
Relevant Fate and Transport Processes

Fate and Transport Processes	Description and Applicability
Processes Applicable to Upland Areas	
Transport Processes	
Stormwater Entrainment	Relevant only to catch basin solids or to contaminated surface soils not capped with clean soil or pavement.
Soil Leaching	Soil contamination can leach to groundwater, resulting in groundwater impacts. Due to the age of the site, the leachability of site contaminants can be directly assessed using site groundwater data.
Groundwater Migration	Groundwater generally migrates toward the Duwamish River. Impacts to both shallow and deep groundwater are evaluated in the RI.
Groundwater Extraction	City codes prohibit consumptive use of site groundwater. Groundwater extraction only considered potential risk if utility corridors installed with preferential drainage toward the river.
Vapor Migration	Potentially relevant only for vinyl chloride, acrylonitrile and benzene. Human inhalation of soil and groundwater vapors are considered complete exposure pathways at the Site, however, vapor intrusion is not currently posing a threat and there is no indoor air on Site (or planned as part of future development) that would result in vapor intrusion.
Natural Attenuation Processes	
Biodegradation	Biodegradation processes can effectively destroy organic compounds such as petroleum hydrocarbons, benzene and vinyl chloride. Biodegradation can also degrade PAH compounds, though with lower overall performance.
Geochemical Stabilization	Geochemical processes can precipitate inorganic constituents such as arsenic, reducing or preventing their transport through groundwater.
Tidally-Influenced Mixing	Groundwater mixing in upland areas occurs due to tidal influences, reducing the concentration of groundwater constituents prior to discharge of site groundwater into the sediment bioactive zone and surface water.
Processes Potentially Applicable to Shoreline or Sediment Areas	
Transport Processes	
Wind and Wave Erosion	Wind and wave erosion can cause resuspension of shallow sediments or erosion of river-bank soils, resulting in exposure of contaminated soils or sediments to the bioactive zone or water column. Erosional forces generally decrease with increasing water depth, and are significant mainly for intertidal and shallow sub-tidal areas.
River Scour	River scour can cause sediment or river-bank erosion, resulting in exposure of contaminated soils or sediments to the bioactive zone or water column.
Seismic Disturbances	Seismic events can cause instability of river-bank soils and/or sediments, resulting in exposure of contaminated soils or sediments to the bioactive zone or water column.

Table 8-1
Relevant Fate and Transport Processes

Fate and Transport Processes	Description and Applicability
Prop Wash or Anchor Drag	Vessel navigation activity in waterway and/or berth areas can resuspend buried sediments through prop wash, anchor drag or vessel groundings. Such resuspension can re-expose contaminated sediments to aquatic receptors of the bioactive zone or within the water column.
Construction Disturbances	Construction activities can disturb sediments or shoreline soils through dredging, bank cutting or structure removal.
Natural Attenuation Processes	
Sediment Deposition	Natural sediment deposition can bury contaminated sediments and isolate them from the water column and bioactive zone.
Contaminant Degradation and Weathering	The toxicity and mobility of sediment contaminants can be reduced through natural degradation and weathering processes. The extent of these processes is dependent on the type of contaminant and the conditions to which the contaminants are exposed.

Notes:
PAH = polycyclic aromatic hydrocarbon
UST = underground storage tank

FIGURES

AERIAL SOURCE: Google Earth Pro, 2012.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

0 2000
Scale in Feet

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Figure 1-1
Site Vicinity Map
Public Review Draft RI Report
Duwamish Shipyard, Inc.

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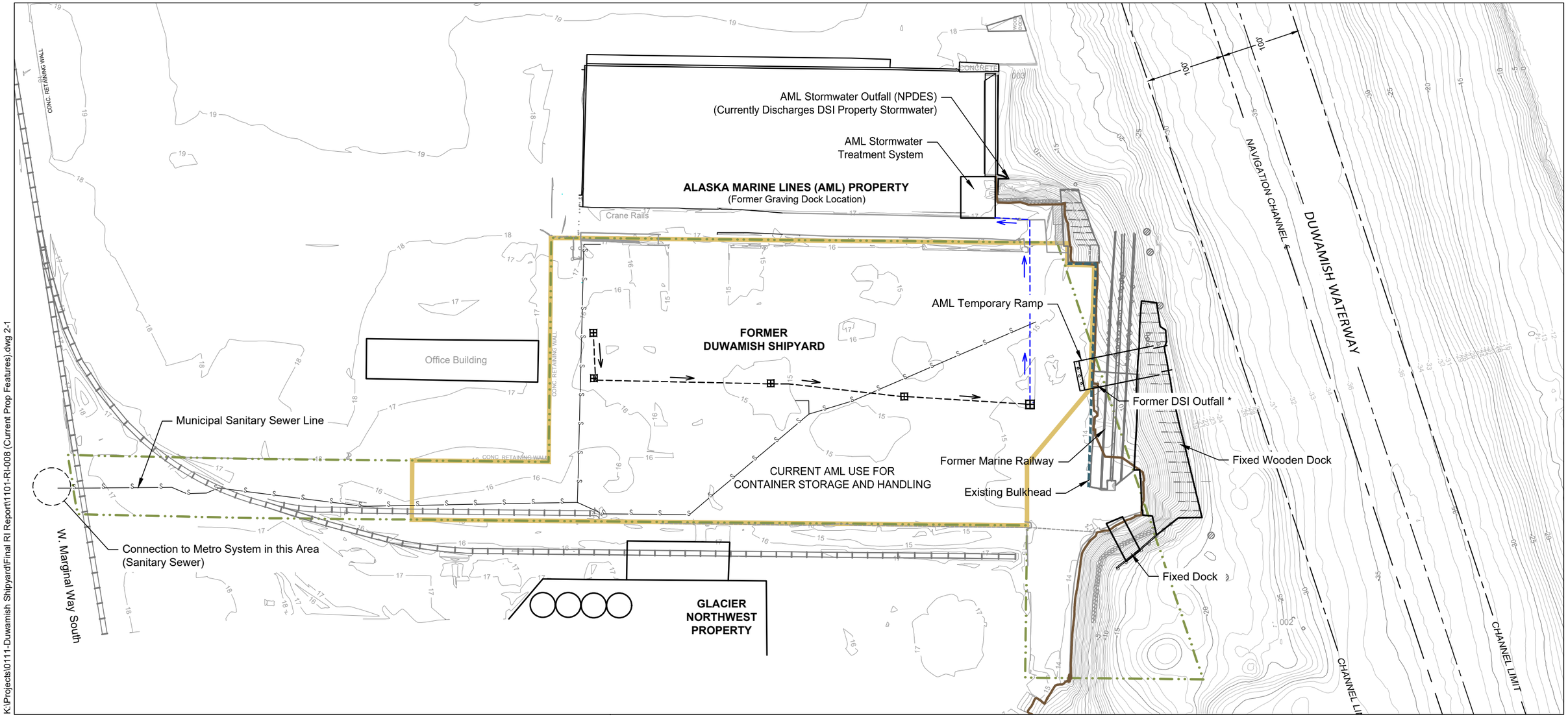

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LEGEND:

- Existing Stormwater Line
- DSI Property Overland Stormwater Route to AML Treatment System
- Municipal Sanitary Sewer Line
- Top of Bank (Approximate)
- Current Property Boundary
- Existing Bulkhead
- Current Rail Alignment
- Topographic and Bathymetric Contours in Feet (MLLW)
- Catch Basin Location
- Approximate Extents of Asphalt Paving (conducted in May 2016)

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC. Underdock survey by AML and DSI, 12/2006.

HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTE:
* DSI property stormwater is currently routed to existing AML treatment system prior to discharge at AML outfall.

0 100
Scale in Feet

ANCHOR QEA

Figure 2-1
Current Property Features
Public Review Draft RI Report
Duwamish Shipyard, Inc.

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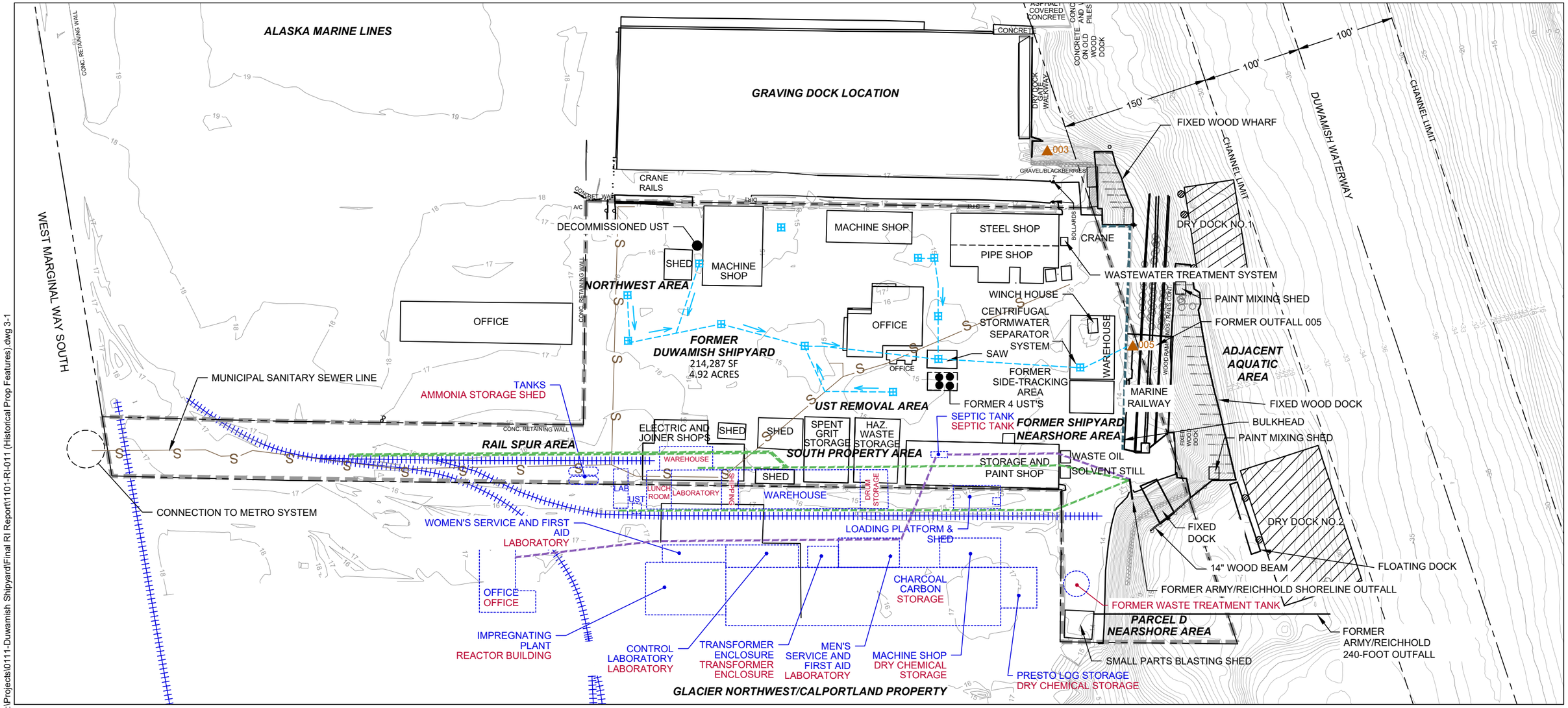
Figure 2-2
Outfall Locations
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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Apr 25, 2017 1:13pm hhayward

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC. Underdock survey by AML and DSI, 12/2006.

HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTE: Rail lines (as shown) represent historic conditions.

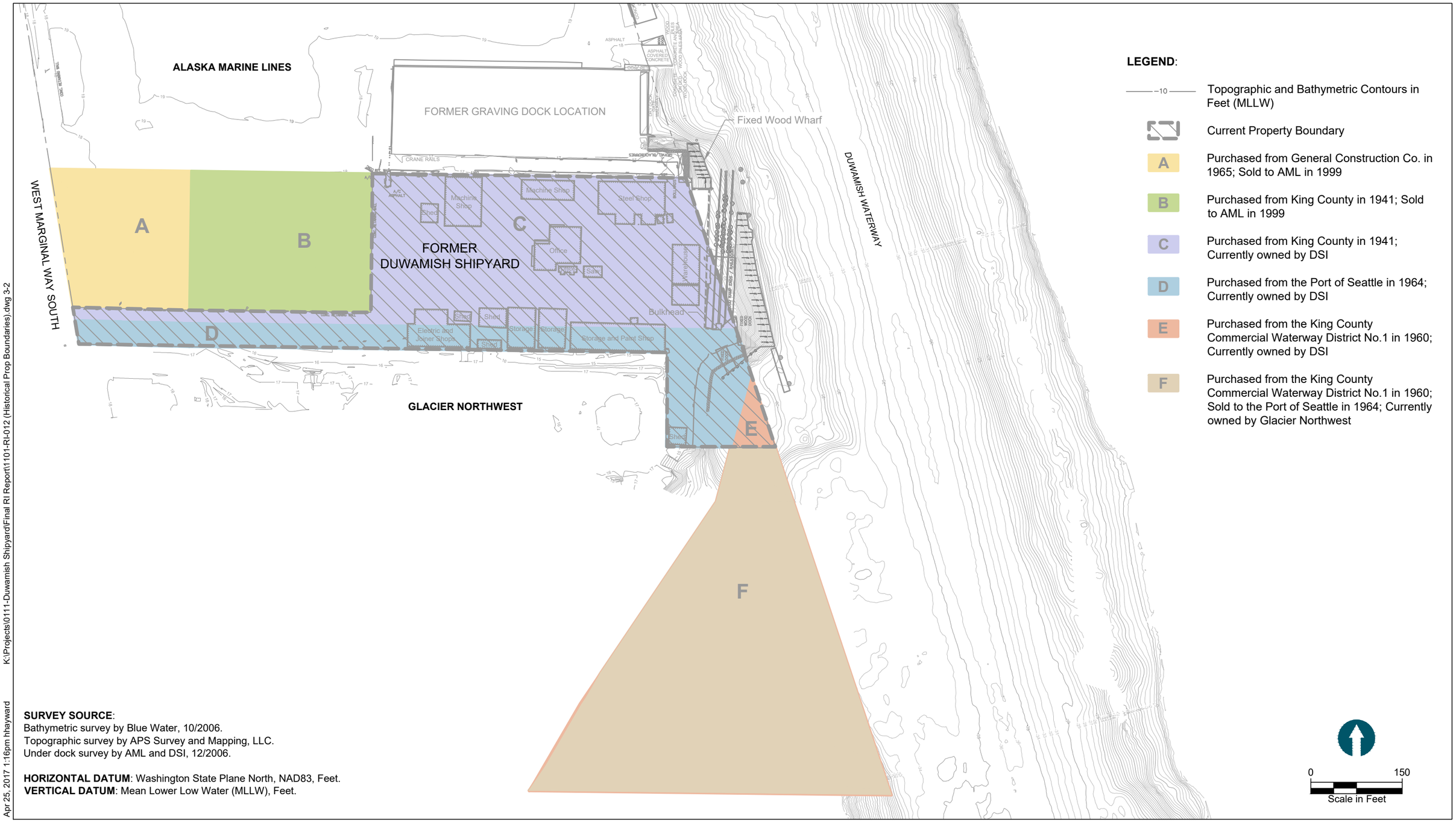
LEGEND:

- Former Stormwater Line
- Municipal Sanitary Sewer
- Top of Bank
- Subject Property Boundary
- NPDES Outfall
- Topographic and Bathymetric Contours in Feet (MLLW)
- Former Catch Basin Location
- Former Army/Reichhold Septic System
- Former Army/Reichhold Surface Drainage
- OFFICE Former Army Operations
- OFFICE Former Reichhold Operational Uses
- Former Army/Reichhold Buildings
- Former Army/Reichhold Rail Line Configuration

0 100
Scale in Feet

ANCHOR QEA

Figure 3-1
Historical Property and Operational Features
Public Review Draft RI Report
Duwamish Shipyard, Inc.



SURVEY SOURCE:
Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC.
Under dock survey by AML and DSI, 12/2006.

HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

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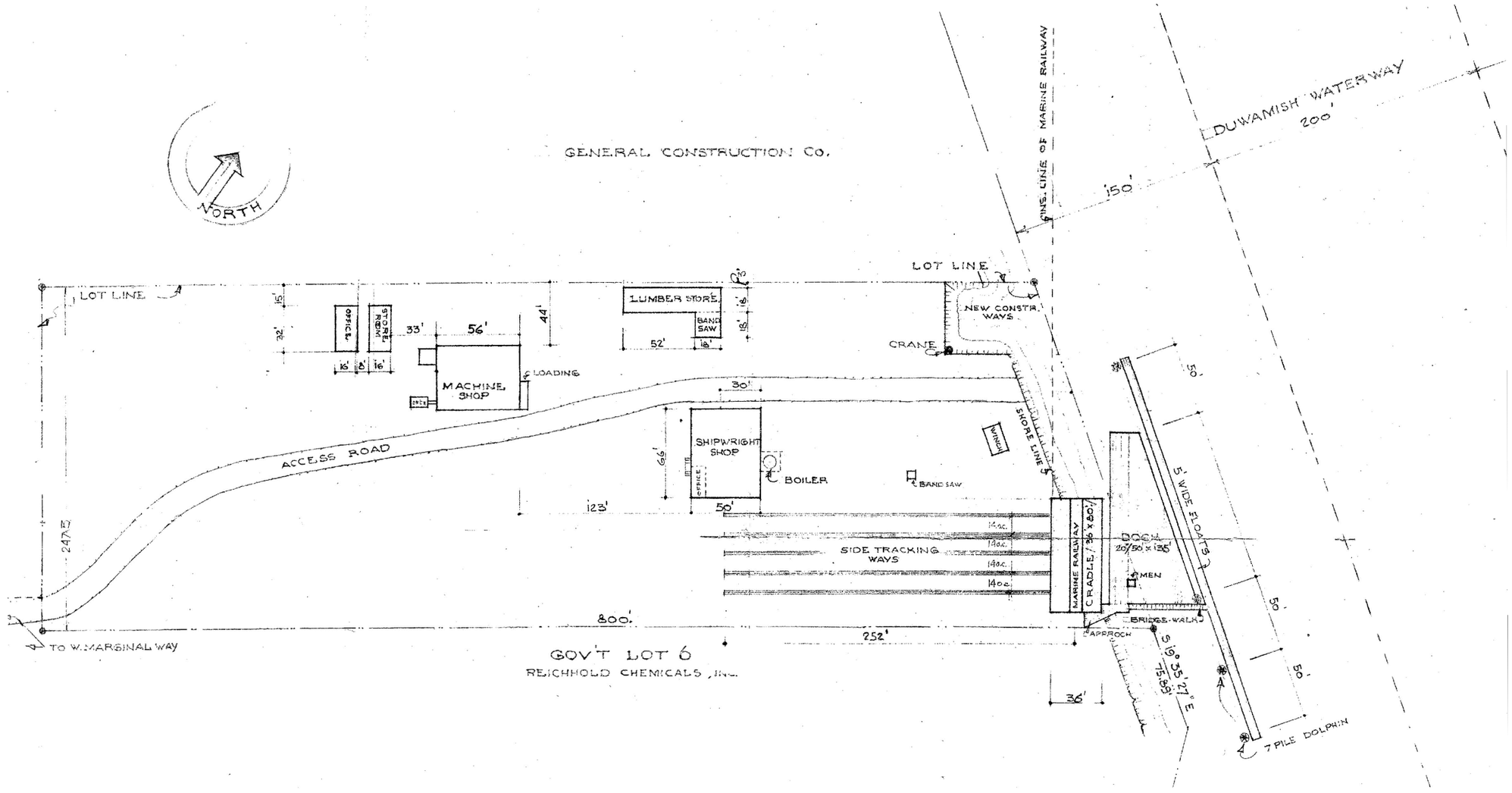
Apr 25, 2017 1:16pm hhayward

Figure 3-2
Historical Property Boundaries
Public Review Draft RI Report
Duwamish Shipyard, Inc.

ANCHOR QEA

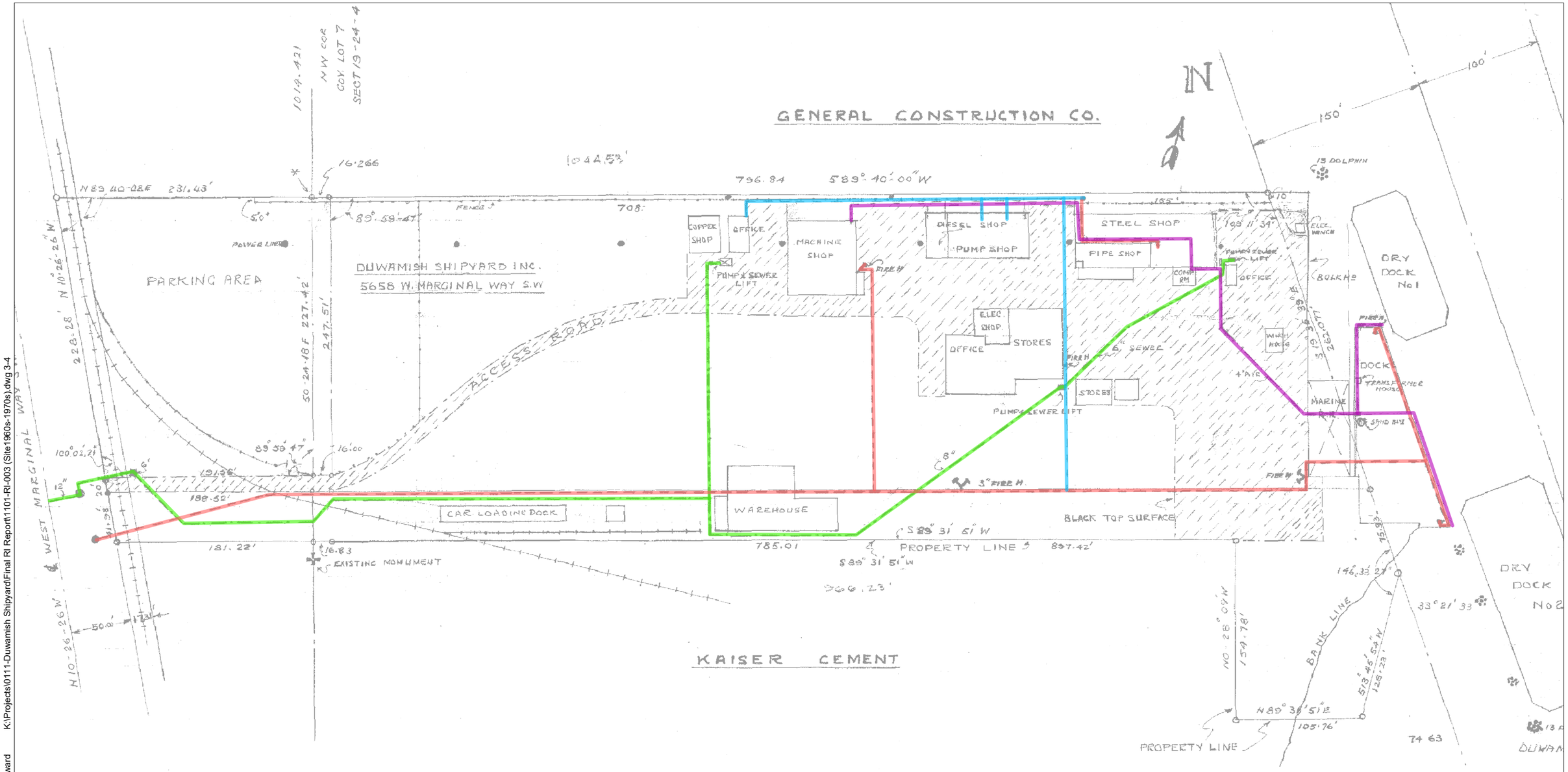


HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.
NOTES:
1. Preparation assistance provided by Anchor Environmental, L.L.C.
2. Original drawing prepared by DSI, June 15, 1977.

0 80
Approximate Scale in Feet

ANCHOR QEA

Figure 3-3
Site Layout (1941 – Mid-1960s)
Public Review Draft RI Report
Duwamish Shipyard, Inc.



HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.
NOTES:
1. Preparation assistance provided by Anchor Environmental, L.L.C.
2. Original drawing prepared by DSI, January 24, 1973.

LEGEND:

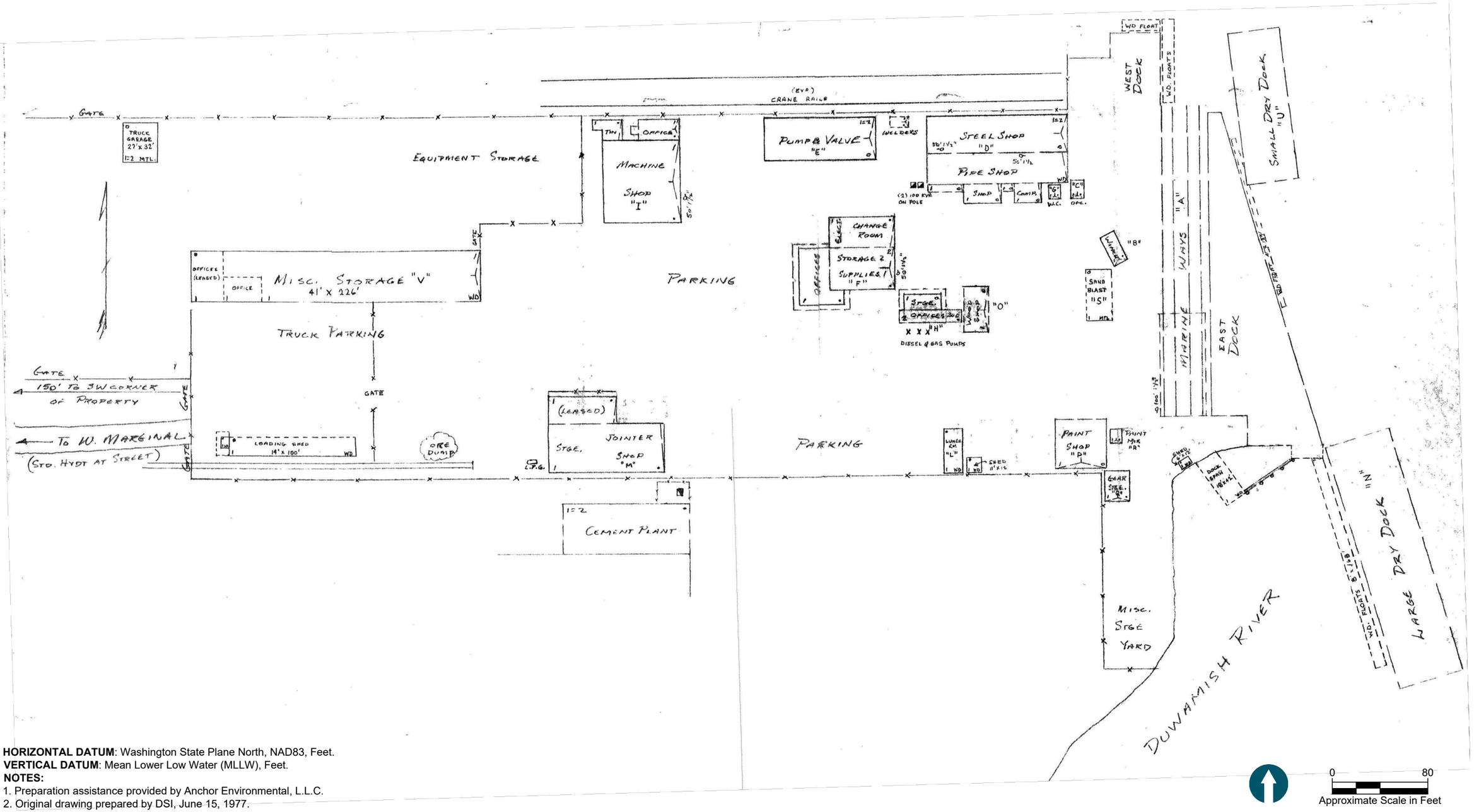
- Air Line
- Fire
- Water Pipe
- Sewer

0 80
Approximate Scale in Feet

Apr 25, 2017 1:17pm hhayward K:\Projects\0111-Duwamish Shipyard\Final RI Report\1101-RI-003 (Site1960s-1970s).dwg 3-4

ANCHOR QEA

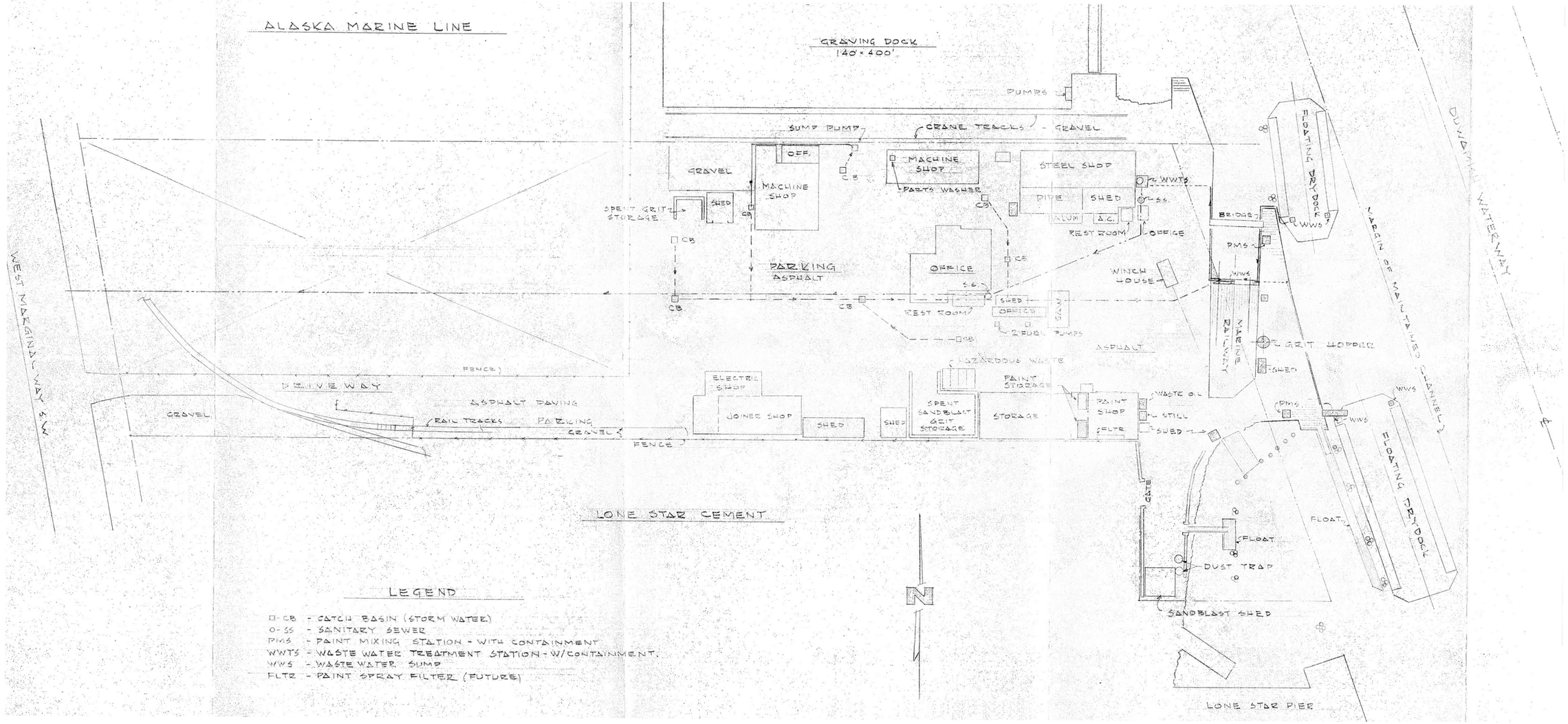
Figure 3-4
Site Layout (Mid-1960s – Mid-1970s)
Public Review Draft RI Report
Duwamish Shipyard, Inc.



HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.
NOTES:
1. Preparation assistance provided by Anchor Environmental, L.L.C.
2. Original drawing prepared by DSI, June 15, 1977.

ANCHOR QEA

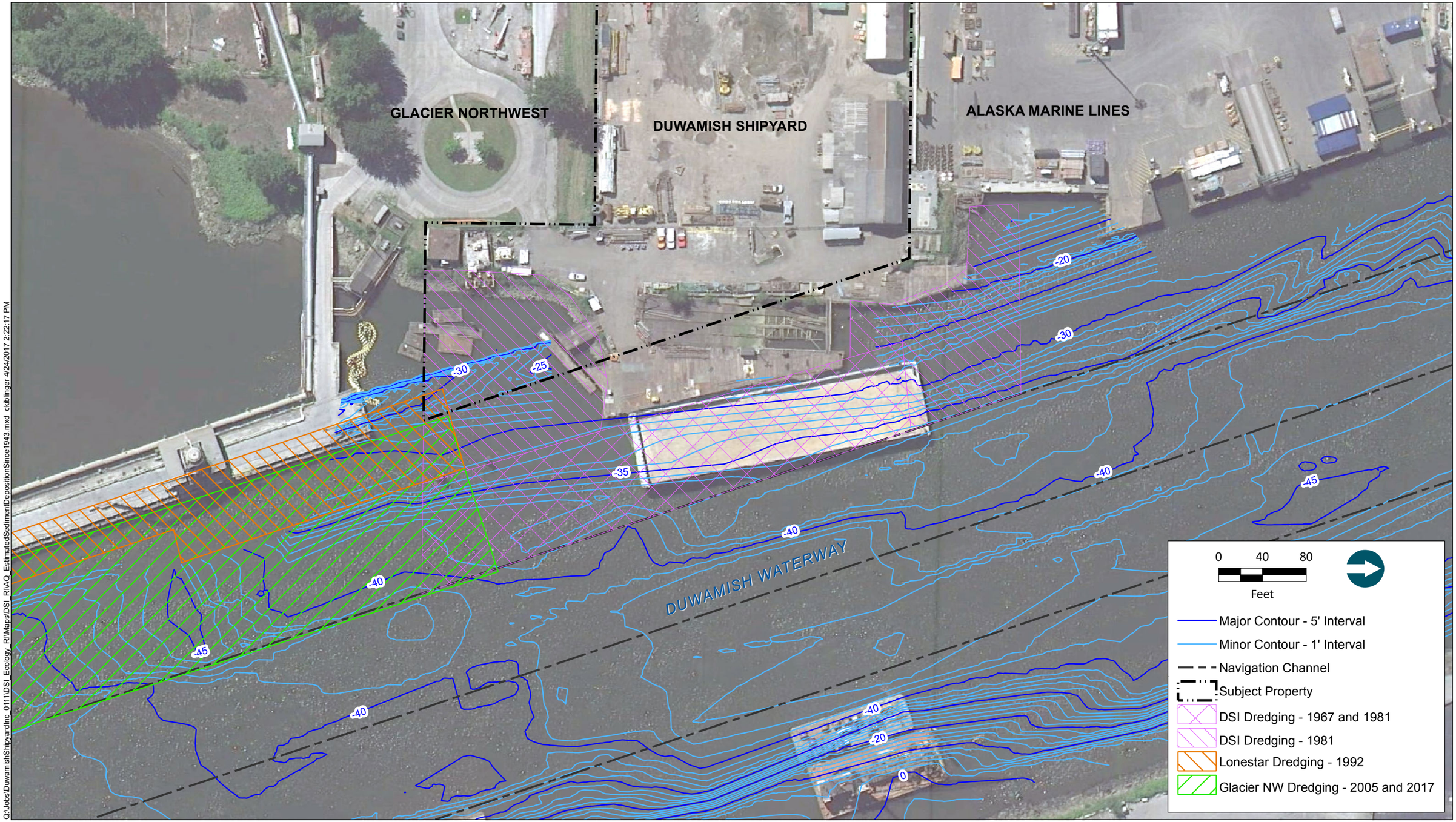
Figure 3-5
Site Layout (Mid-1970s – Early-1990s)
Public Review Draft RI Report
Duwamish Shipyard, Inc.



HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.
NOTES:
1. Preparation assistance provided by Anchor Environmental, L.L.C.
2. Original drawing prepared by DSI, November 12, 1993.

ANCHOR QEA

Figure 3-6
Site Layout (Early-1990s – Mid-2000s)
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Q:\Jobs\DuwamishShipyardInc_01111\DSI_Ecology_RI\Maps\DSI_RIAQ_EstimatedSedimentDepositionSince1943.mxd ckitblinger 4/24/2017 2:22:17 PM

ANCHOR QEA

NOTES:
1. Historical DSI dredged areas estimated based on dredge records from 1967 and 1981.
2. Deepest dredged contours estimated from historical U.S. Army Corp of Engineers conditions surveys from 1943, 1946, 1949, 1950, 1953, 1955, 1973, 1974, 1975, and 1977.
3. Historical dredging conditions surveys have been georeferenced and digitized from scanned paper maps. This process introduces some horizontal error, therefore dredge extents and dredge contours should be considered approximate.
4. Horizontal Datum: Washington State Plane, North, NAD-83 (Feet)
5. Vertical Datum: MLLW (Feet)
6. Aerial photograph acquired from Google Earth Pro, 2010.

Figure 3-7
Dredging History
Public Review Draft RI Report
Duwamish Shipyard, Inc.

LEGEND:

- Current DSI Property Boundary
- DSI Former Stormwater Conveyance
- Historical Army/Reichhold Drainage
- Historical Army/Reichhold Septic System
- OFFICE — Former Duwamish Shipyard Operations
- OFFICE — Former Army Operations
- OFFICE — Former Reichhold Operations
- Former DSI Marine Rail Side Tracking Area
- Former Army/Reichhold Buildings/Structures
- Parcel D Area purchased by DSI from Port of Seattle in 1964

Not to Scale

HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.
NOTES:

1. All labeled locations of buildings and structures as shown on this oblique aerial image are approximate.
2. Army features based on 1956 Department of the Army Real Estate Map.
3. Reichhold features based on 2010 ERM Figure 1-2.
4. Aerial photograph from 1994 obtained from Aerolistphoto.com
5. Shipyard activities ceased at the DSI Property by April 2007 and the drydocks have been removed.
6. Existing DSI property stormwater is currently managed under AML's NPDES permit. AML routed DSI property stormwater from the previously existing stormwater outfall shown on this figure to the AML outfall in 2011.

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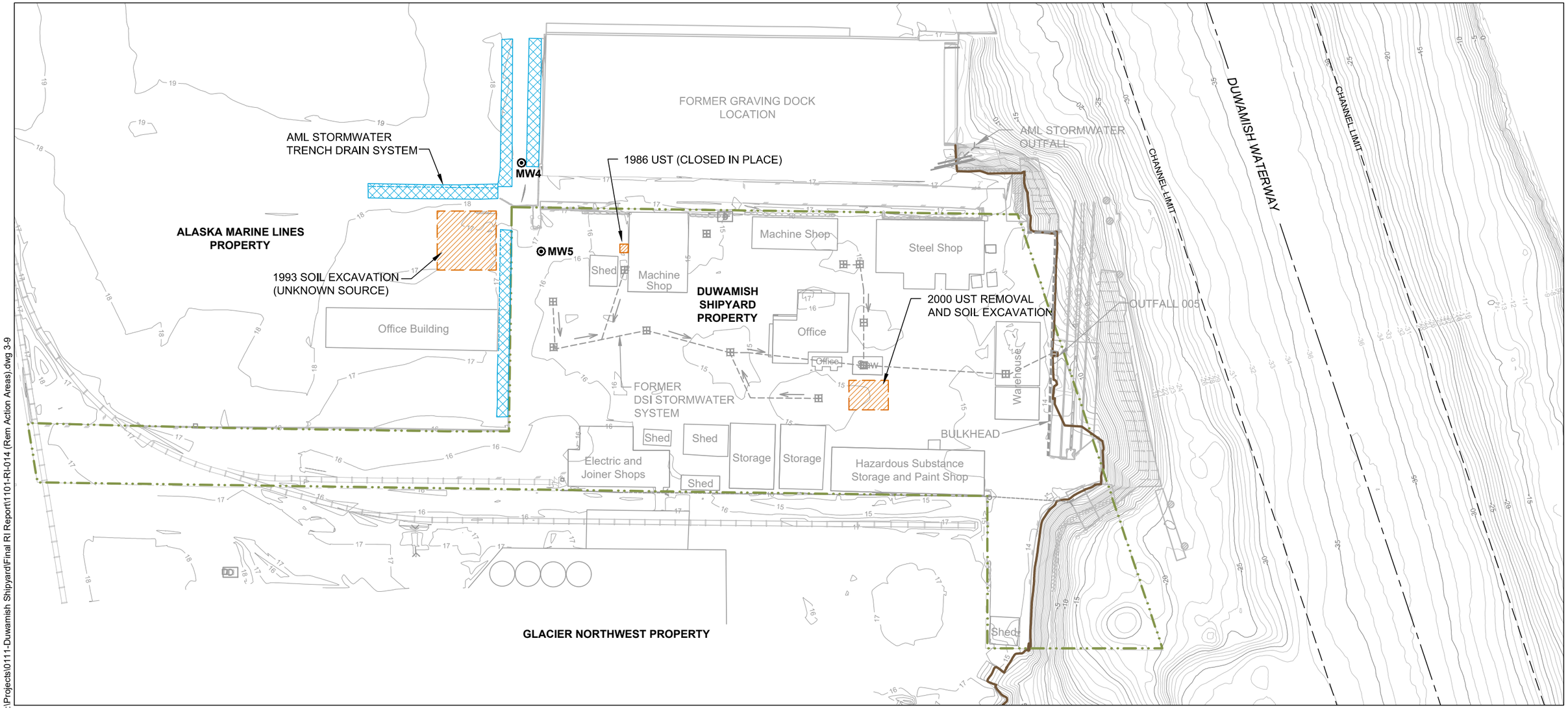
Figure 3-8
Oblique Aerial Photograph Showing Shoreline Structures - 1994
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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Apr 25, 2017 1:19pm hhayward

SURVEY SOURCE:
Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC.
Underdock survey by AML and DSI, 12/2006.

HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTE: Building locations presented on this figure are shown in light gray outlines and text, and represent historic conditions at the DSI property.

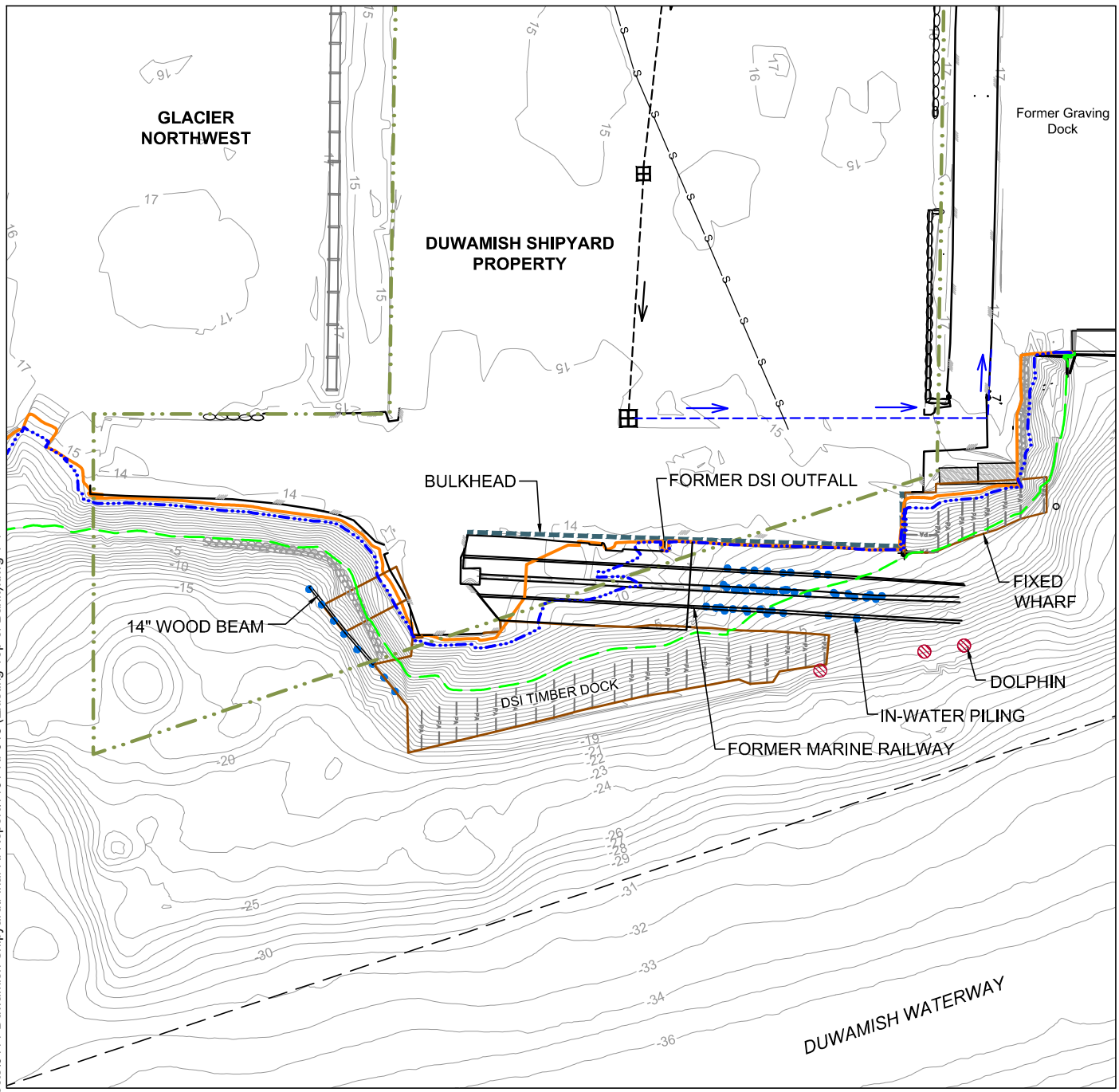
LEGEND:

- Former Stormwater Line and Direction of Flow
- Top of Bank (Approximate)
- Current Property Boundary
- Topographic and Bathymetric Contours in Feet (MLLW)
- Former Catch Basin Location
- Independent Remedial Action Areas
- Trench Drain
- Current Rail Alignment
- MW4 Monitoring Well (Installed as part of 1993 Independent Remedial Action)

0 100
Scale in Feet

ANCHOR QEA

Figure 3-9
Independent Remedial Action Areas
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Top of Bank (Approximate)
- Mean Higher High Water (MHHW)
- Mean Lower Low Water (MLLW)
- Current Property Boundary
- Current Rail Alignment
- Existing Stormwater Line
- Municipal Sanitary Sewer Line
- DSI Overland Stormwater Route to AML Treatment System
- Catch Basin Location
- Existing Piling
- Existing Dolphin
- Existing Dock
- Existing Bulkhead

0 80
Scale in Feet

SURVEY SOURCE:
Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

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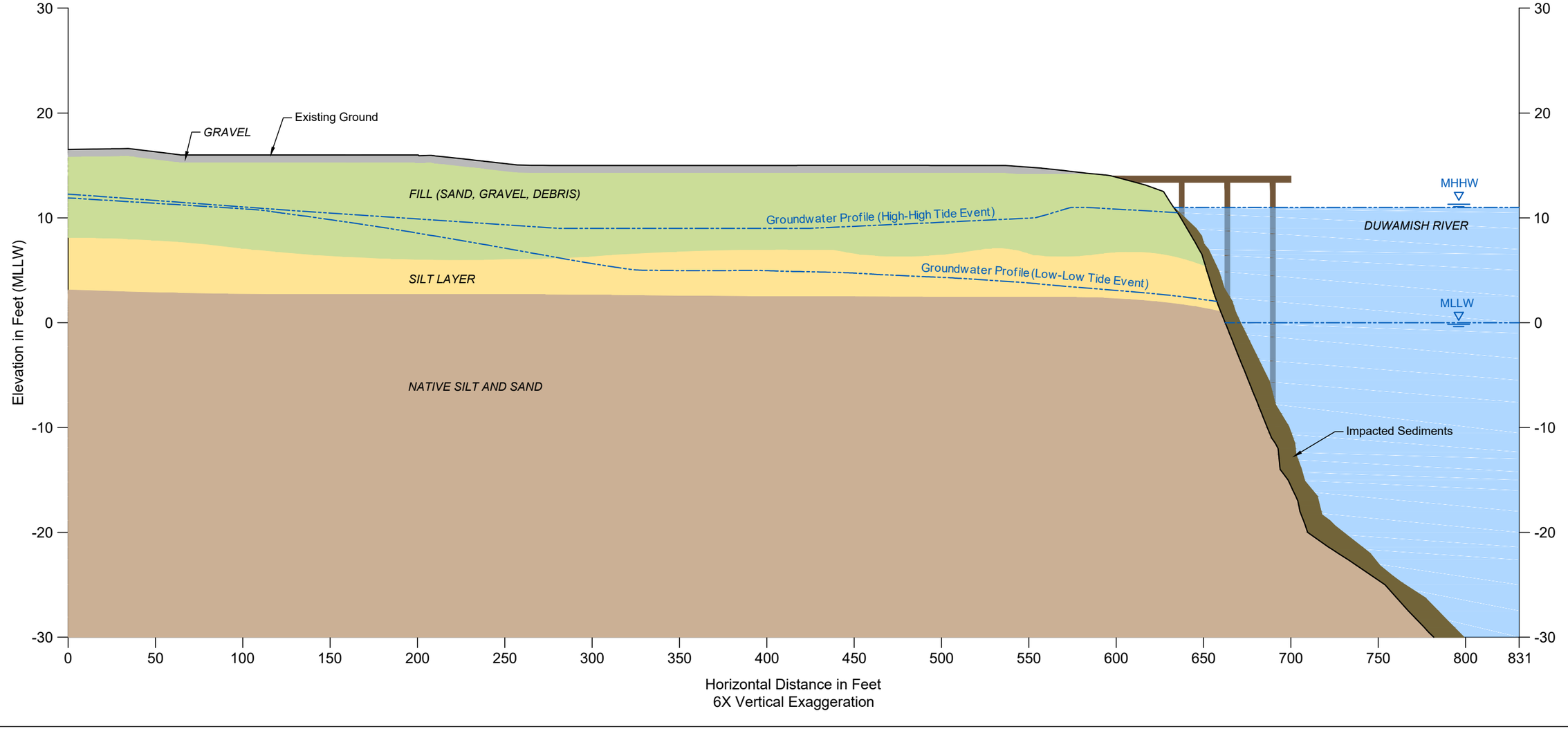
Apr 25, 2017 1:20pm hhayward

Figure 4-1
Existing Top of Bank with Structures
Public Review Draft RI Report
Duwamish Shipyard, Inc.

ANCHOR QEA



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Apr 25, 2017 1:23pm hhayward

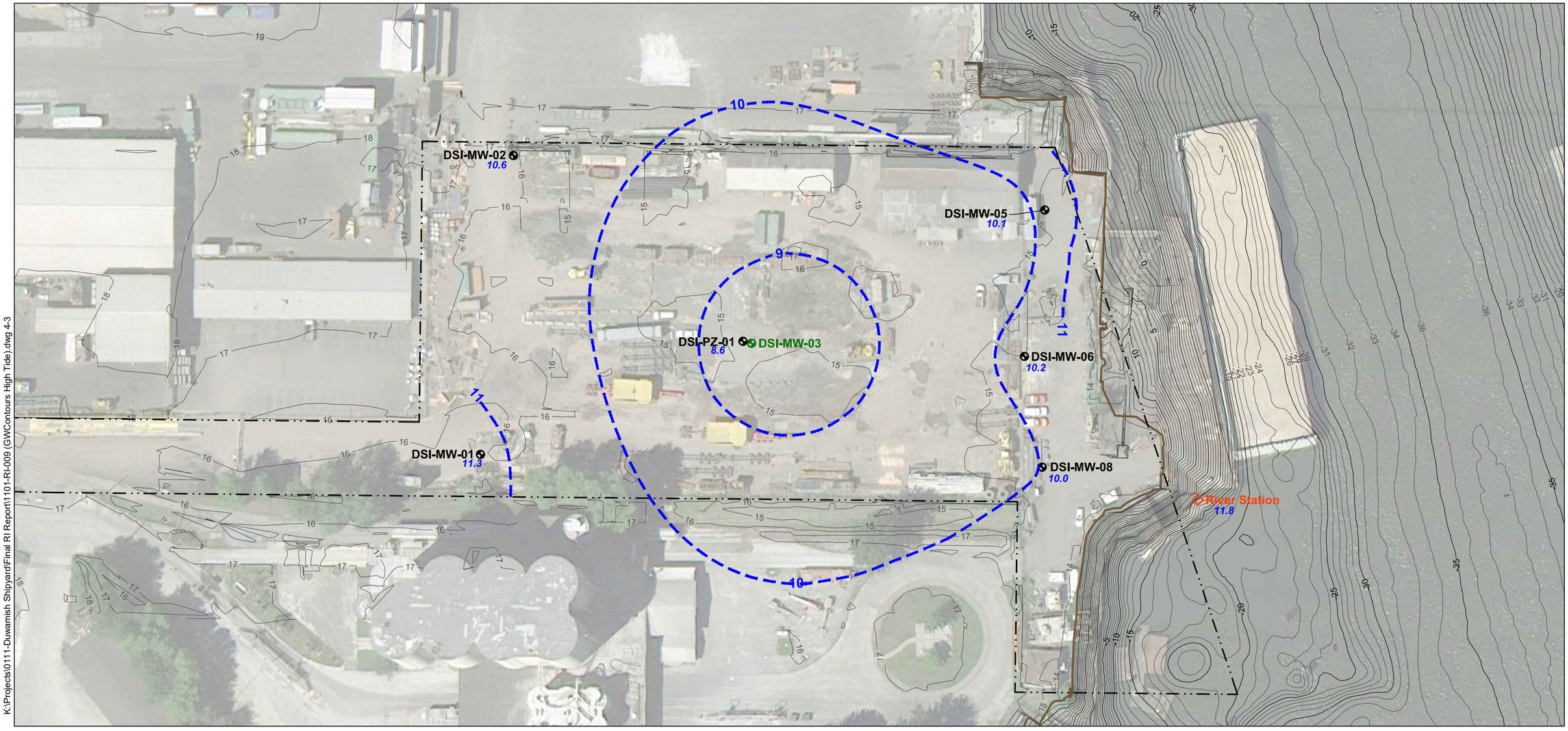
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.
NOTES:

1. Upland groundwater levels range from approximately 4 to 11 feet bgs with lower water levels at the nearshore area during low tide. Fluctuation, seasonal and tidal, is on the order of 2 feet.
2. Groundwater elevations from 2009 transducer study data.

Scale in Feet
0 60 120
0 10 20
Vertical Scale in Feet
x6

ANCHOR QEA

Figure 4-2
Schematic Geologic Cross Section
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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Apr 25, 2017 1:23pm hhayward

LEGEND:

- Top of Bank (Approximate)
- Current Property Boundary
- 15 — Topographic and Bathymetric Contours in Feet (MLLW)
- 10 — Inferred Groundwater Contour (1-foot interval, see Note 1)

2009 UPLAND RI LOCATIONS

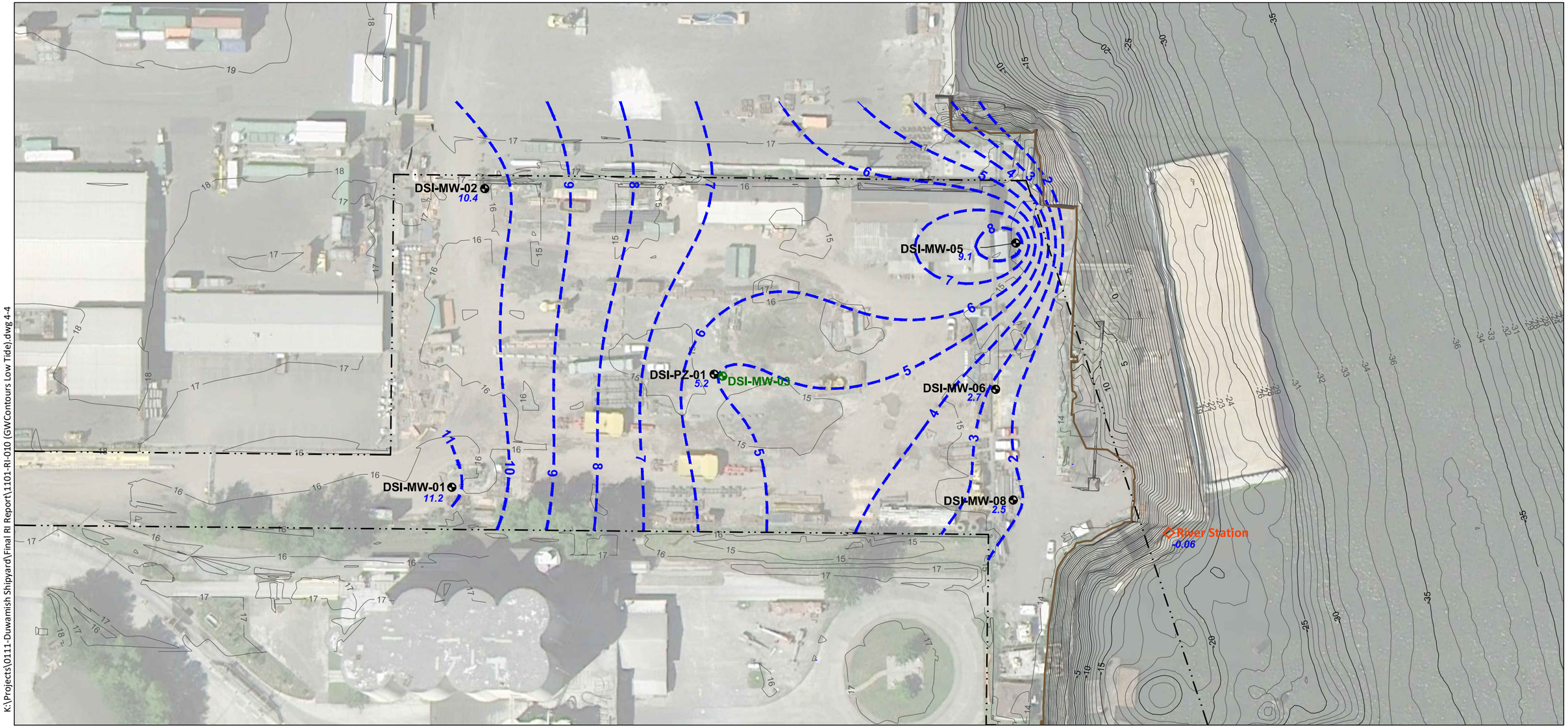
- DSI-MW-01 — Monitoring Well/Piezometer
- DSI-MW-03 — Deep Monitoring Well
- River Station — Hydrogeologic Transducer

AERIAL SOURCE: Google Earth Pro, 2010.
SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.
NOTES:
1. Groundwater elevation from high-high tide event on August 6, 2009 at 6:45pm.
2. Wells only presented for those included in transducer study.
3. River station not used in contour development.

0 80
Scale in Feet

ANCHOR QEA

Figure 4-3
Inferred Groundwater Contours - High High Tide
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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Apr 25, 2017 1:24pm hhayward

LEGEND:

- Top of Bank (Approximate)
- Current Property Boundary
- 15 — Topographic and Bathymetric Contours in Feet (MLLW)
- 10 — Inferred Groundwater Contour (1-foot interval, Note 1)

2009 UPLAND RI LOCATIONS

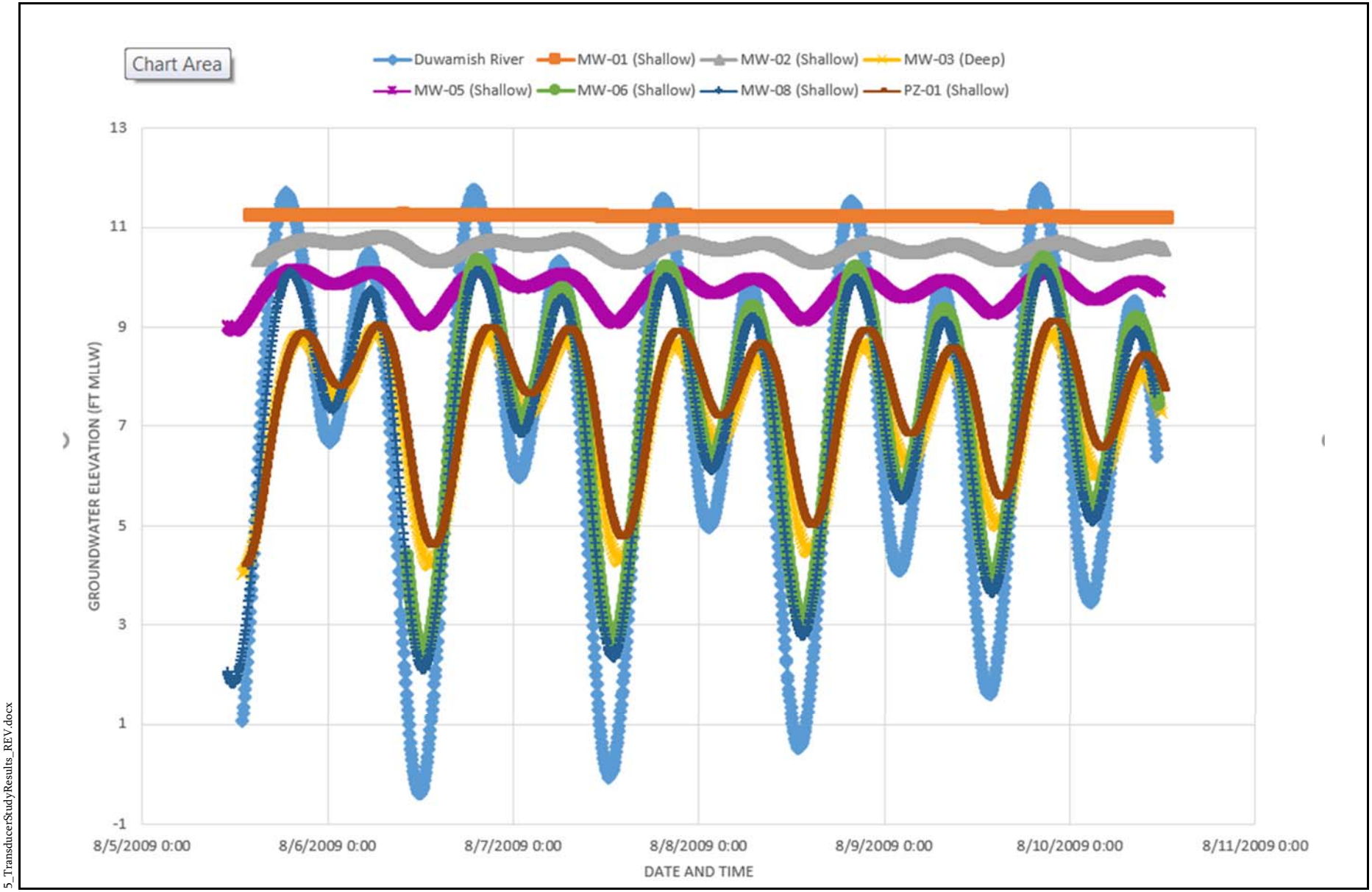
- DSI-MW-01 — Monitoring Well/Piezometer
- DSI-MW-03 — Deep Monitoring Well
- River Station — Hydrogeologic Transducer

AERIAL SOURCE: Google Earth Pro, 2010.
SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.
NOTES:
1. Groundwater elevation from low-low tide event on August 7, 2009 at 12:20pm.
2. Wells only presented for those included in transducer study.
3. River station not used in contour development.

0 80
Scale in Feet

ANCHOR QEA

Figure 4-4
Inferred Groundwater Contours - Low Low Tide
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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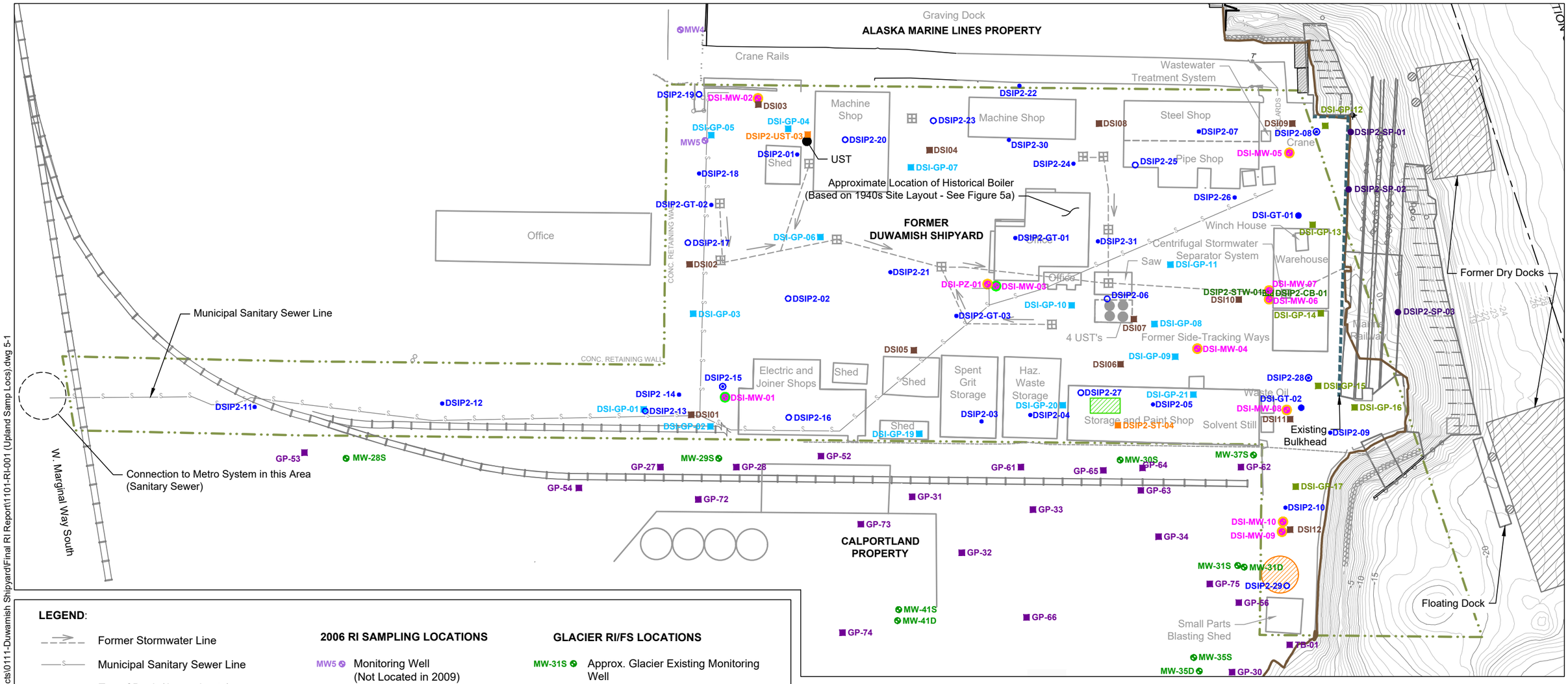
ANCHOR QEA

Figure 4-5
2009 Transducer Study Results
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Former Stormwater Line
- Municipal Sanitary Sewer Line
- Top of Bank (Approximate)
- Current Property Boundary
- Current Rail Alignment
- Bathymetric Contours in Feet (MLLW)
- Former Catch Basin Location
- Approximate Former U.S. Army Septic Tank Location
- Approximate Former Reichhold Waste Treatment Tank Location

2006 RI SAMPLING LOCATIONS

- MW5 — Monitoring Well (Not Located in 2009)
- DSI09 — Geoprobe Soil Boring

2009 UPLAND RI LOCATIONS

- DSI-MW-07 — Monitoring Well/Piezometer
- DSI-GP-05 — Geoprobe - Soil and Groundwater
- DSI-GP-13 — Geoprobe - Soil Only
- DSI-GT-01 — Geotechnical Boring

GLACIER RI/FS LOCATIONS

- MW-31S — Approx. Glacier Existing Monitoring Well
- GP-53 — Approx. Glacier Geoprobe Sample

2013-2015 RI SAMPLING LOCATIONS

- Re-sampled Existing Monitoring Well
- Decommissioned Monitoring Well Due to Damage
- DSIP2-12 — Soil Boring
- DSIP2-13 — Shallow Monitoring Well (5-15 feet)
- DSIP2-15 — Deep Monitoring Well (18-28 feet)
- DSIP2-ST-04 — Soil Test Pit
- DSIP2-CB-01 — Catch Basin Solids and Stormwater
- DSIP2-SP-01 — Seep Sample

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.
NOTES:

1. Historical operations presented on this figure are shown in light gray outlines and text, and are consistent with DSI's 104(e) response.
2. Former Glacier NW features taken from Figure 1-2, Glacier Northwest, Inc. - Reichhold Chemical, Inc. Site (ERM, November 2010).
3. Glacier geoprobe and monitoring well locations approximated from Figure 7 of Glacier RI/FS Workplan (ERM, August 2012).

0 80
Scale in Feet

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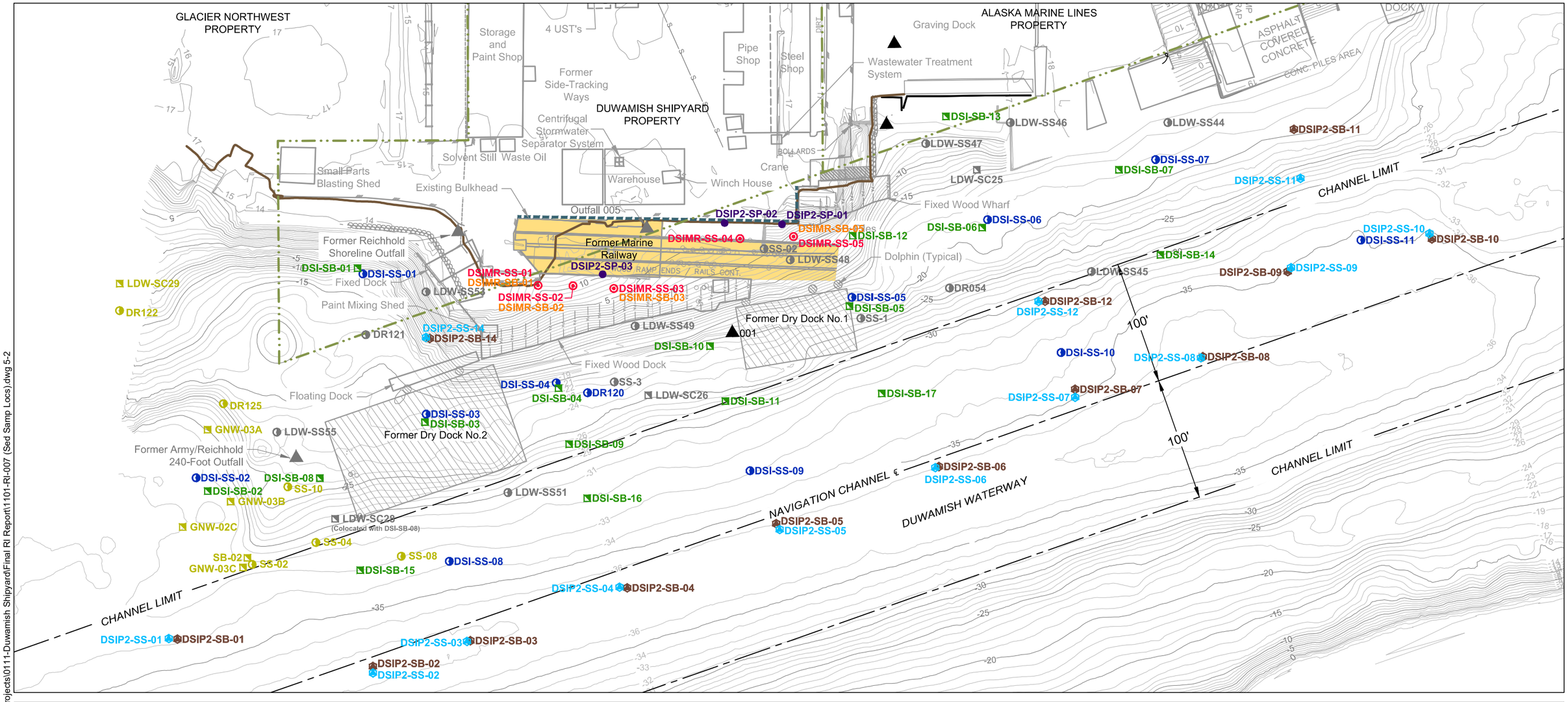
Figure 5-1
Upland Sampling Locations
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Municipal Sanitary Sewer Line
- Existing Bulkhead
- Top of Bank (Approximate)
- Current Property Boundary
- Inactive Outfall
- NPDES Outfall
- Topographic and Bathymetric Contours in Feet (MLLW)
- Former Catch Basin Location
- LDW-SS45 — LDW Surface Sediment Sample
- LDW-SC25 — LDW Subsurface Sediment Sample
- SS-04 — Glacier Surface Sediment Sample
- GNW-02C — Glacier Subsurface Sediment Sample

2011 RI SAMPLING LOCATIONS

- DSI-SS-10 — RI Surface Sediment Sample
- DSI-SB-12 — RI Subsurface Sediment Sample

2013 RI SAMPLING LOCATIONS

- DSIMR-SS-03 — Surface Sediment Sample
- DSIMR-SB-03 — Subsurface Sediment Core Sample
- DSIP2-SS-05 — Surface Sediment Sample
- DSIP2-SB-05 — Subsurface Sediment Core Sample
- DSIP2-SP-01 — Seep Sample

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.
NOTES:

1. Building locations presented on the figure are shown in light gray outlines and text, and represent historical conditions at the DSI property.
2. Previous subsurface core LDW-SC28 is shown in original location. Location reporting was inconsistent in RI.

0 80
Scale in Feet

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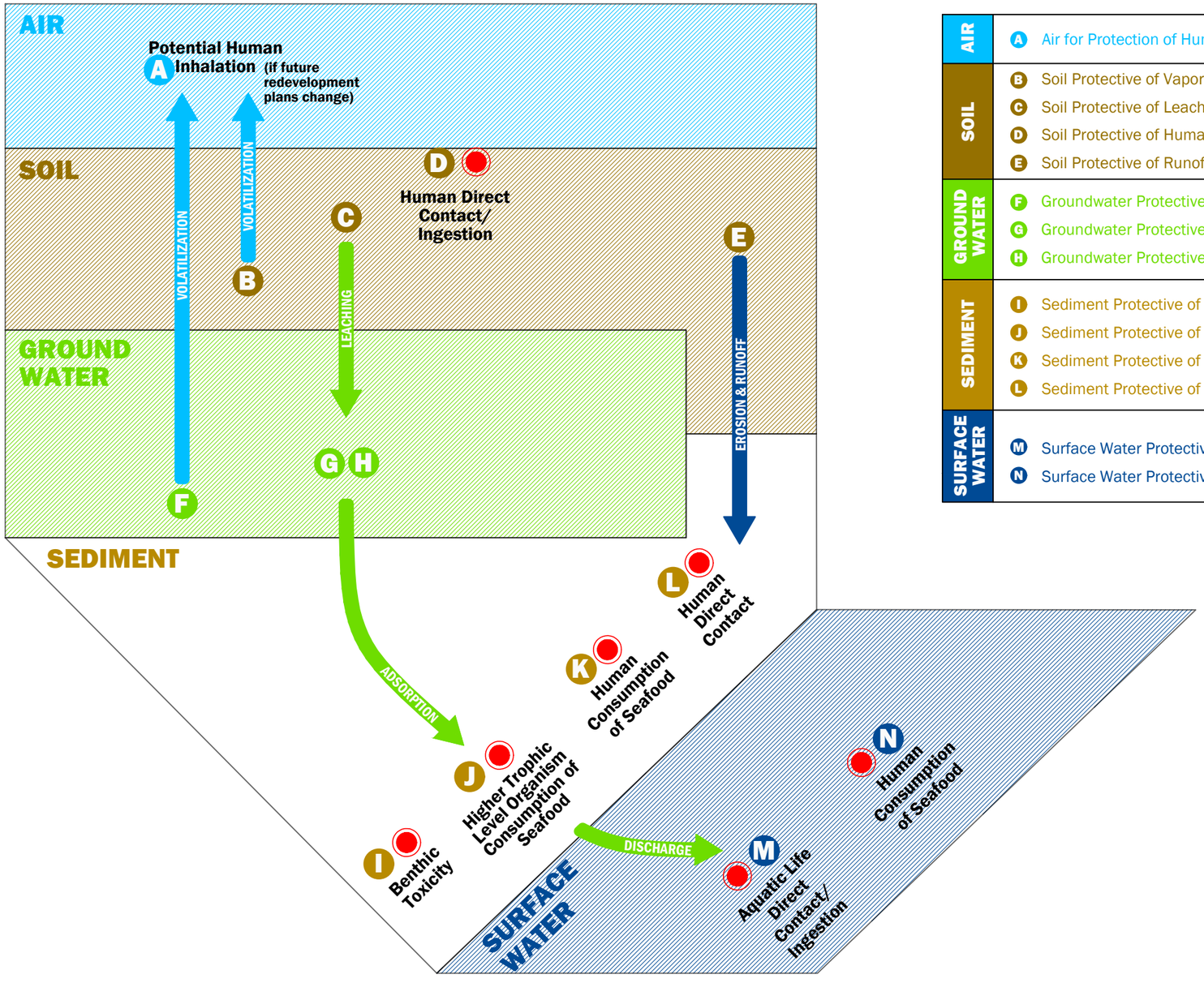
Figure 5-2
Sediment Sampling Locations
Public Review Draft RI Report
Duwamish Shipyard, Inc.



AIR	A Air for Protection of Humans (not included in screening level evaluation)
SOIL	B Soil Protective of Vapor Intrusion (not a current threat) C Soil Protective of Leaching to Groundwater D Soil Protective of Human Direct Contact E Soil Protective of Runoff to Sediments
GROUND WATER	F Groundwater Protective of Vapor Intrusion (not a current threat) G Groundwater Protective of Sediment H Groundwater Protective of Surface Water
SEDIMENT	I Sediment Protective of Benthic Organisms J Sediment Protective of Higher Trophic Level Organisms K Sediment Protective of Human Consumption of Seafood L Sediment Protective of Human Direct Contact
SURFACE WATER	M Surface Water Protective of Aquatic Marine Life N Surface Water Protective of Human Consumption of Seafood

LEGEND:

LEACHING — Contaminant Transport Pathway

Point of Exposure

M — Exposure Pathway / Screening Level

NOTES:

1. Human inhalation of soil and groundwater vapors are considered a complete exposure pathway for the Site. However, vapor intrusion is not currently posing a threat as the property is paved, there is negligible disturbance of shallow site soils, and future redevelopment does not include new structures and/or buildings where human workers would be exposed to contaminated indoor air as a result of vapor intrusion (Ecology 2016a).
2. Screening level development is discussed in Section 6.

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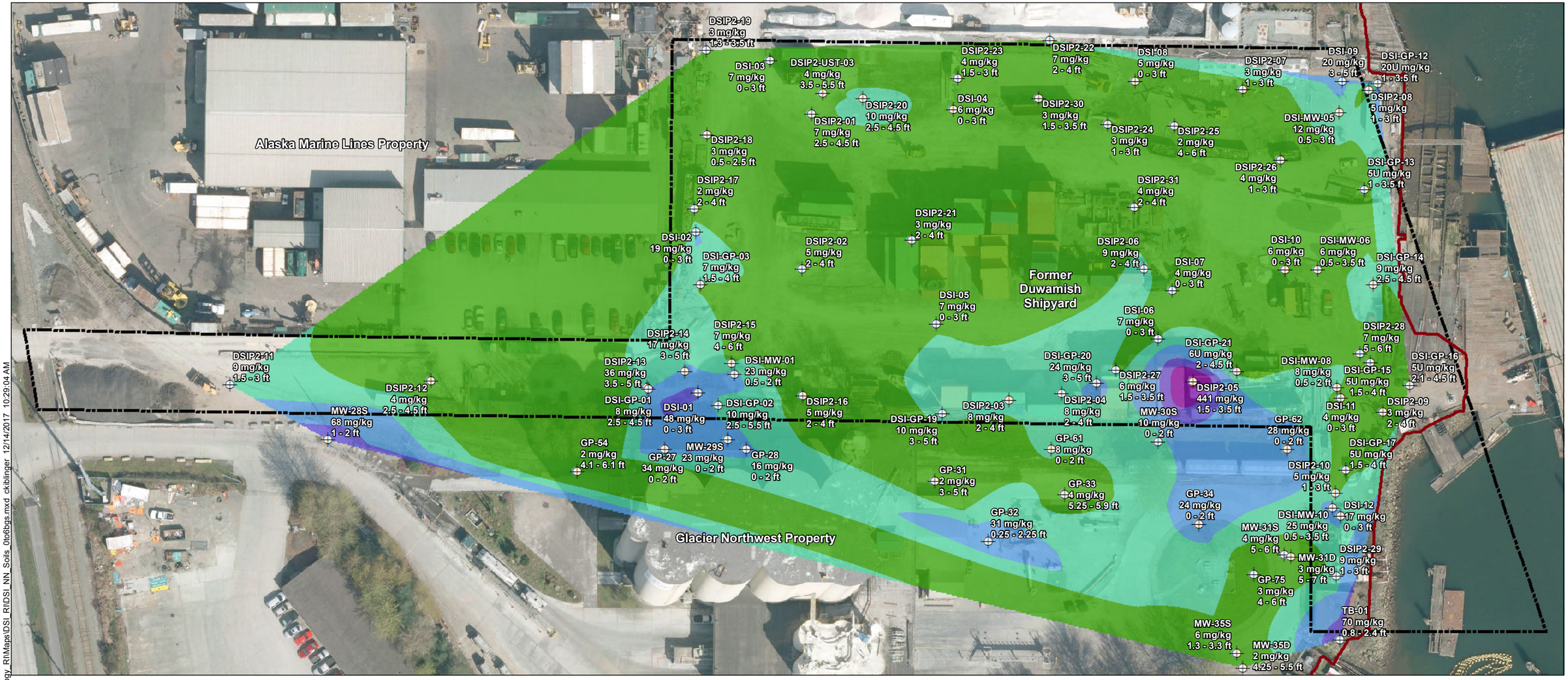
Figure 6-1
Exposure Pathways Considered for Screening Level Development
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Arsenic (mg/kg)

- <7.3 (Screening Level)
- 7.3 - 14.6 (2x)
- 14.6 - 36.5 (5x)
- 36.5 - 73 (10x)
- >73

Soil Sampling Location

Location ID
Maximum Concentration
Depth of Sample Interval

Top of Bank (Approximate)

DSI Property Boundary

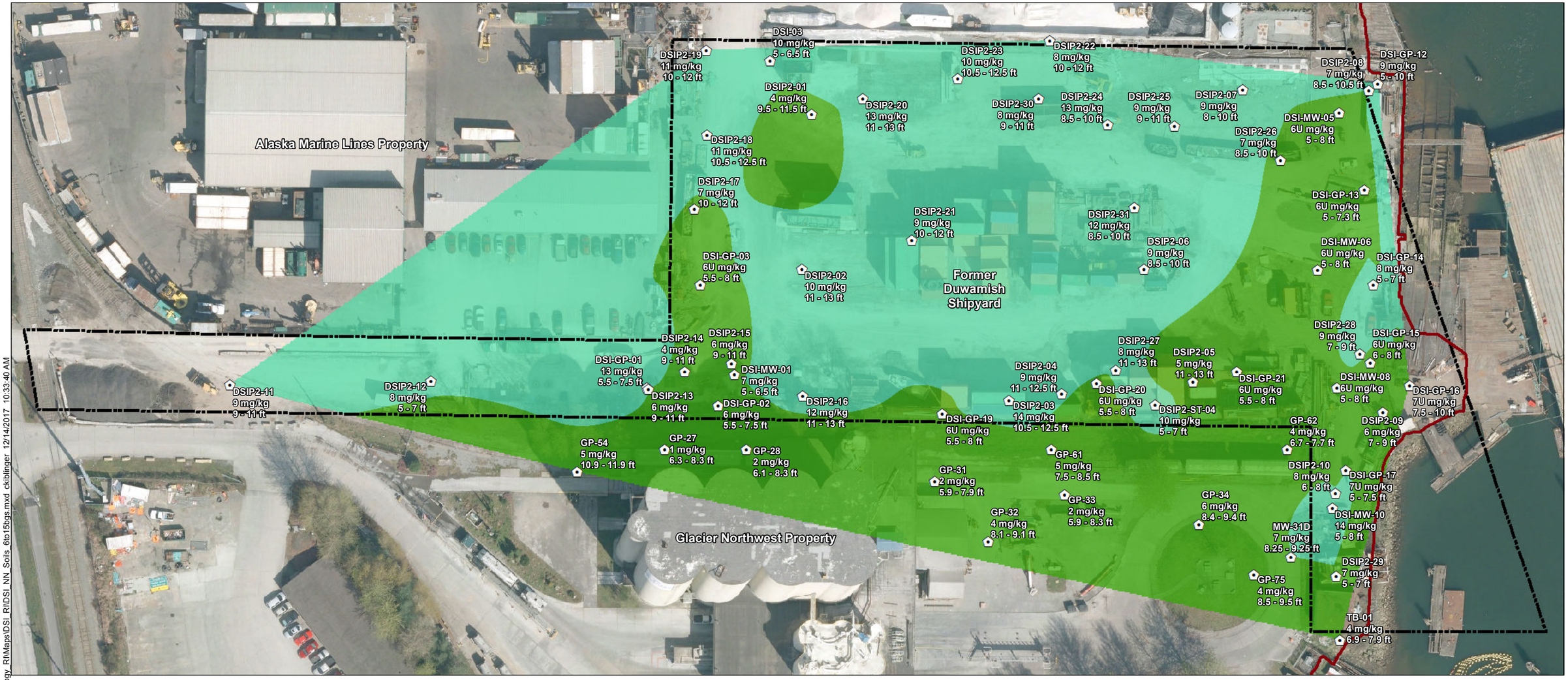
NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 0 to 6 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

\\orcas\gis\Jobs\DuwamishShipyardInc_0111\DSI_Ecology_RI\Maps\DSI_RI\DSI_NN_Soils_0to6bgs.mxd ckiblinger 12/14/2017 10:29:04 AM

ANCHOR QEA

Figure 7-1a
Maximum concentrations of Arsenic in Soil, 0 to 6 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Arsenic (mg/kg)

- <7.3 (Screening Level)
- 7.3 - 14.6 (2x)
- 14.6 - 36.5 (5x)
- 36.5 - 73 (10x)
- >73

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

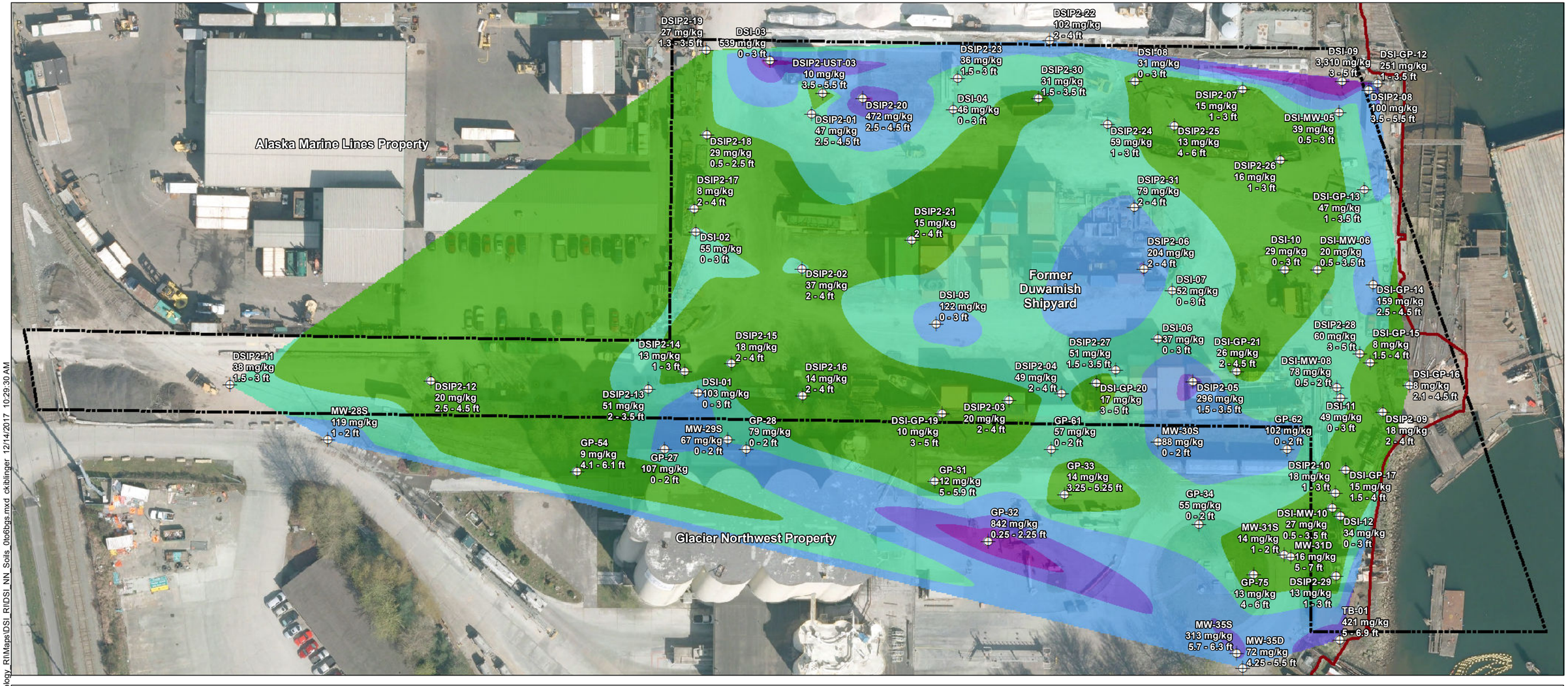
NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 6 to 15 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

\\orcas\gis\Jobs\DuwamishShipyardInc_0111\DSI_Ecology_RI\Maps\DSI_RI\DSI_NN_Soils_6to15bgs.mxd ckiblinger 12/14/2017 10:33:40 AM ckiblinger

ANCHOR QEA

Figure 7-1b
Maximum concentrations of Arsenic in Soil, 6 to 15 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Copper (mg/kg)

- <36 (Screening Level)
- 36 - 72 (x2)
- 72 - 180 (x5)
- 180 - 360 (x10)
- >360

Soil Sampling Location

Location ID
Maximum Concentration
Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

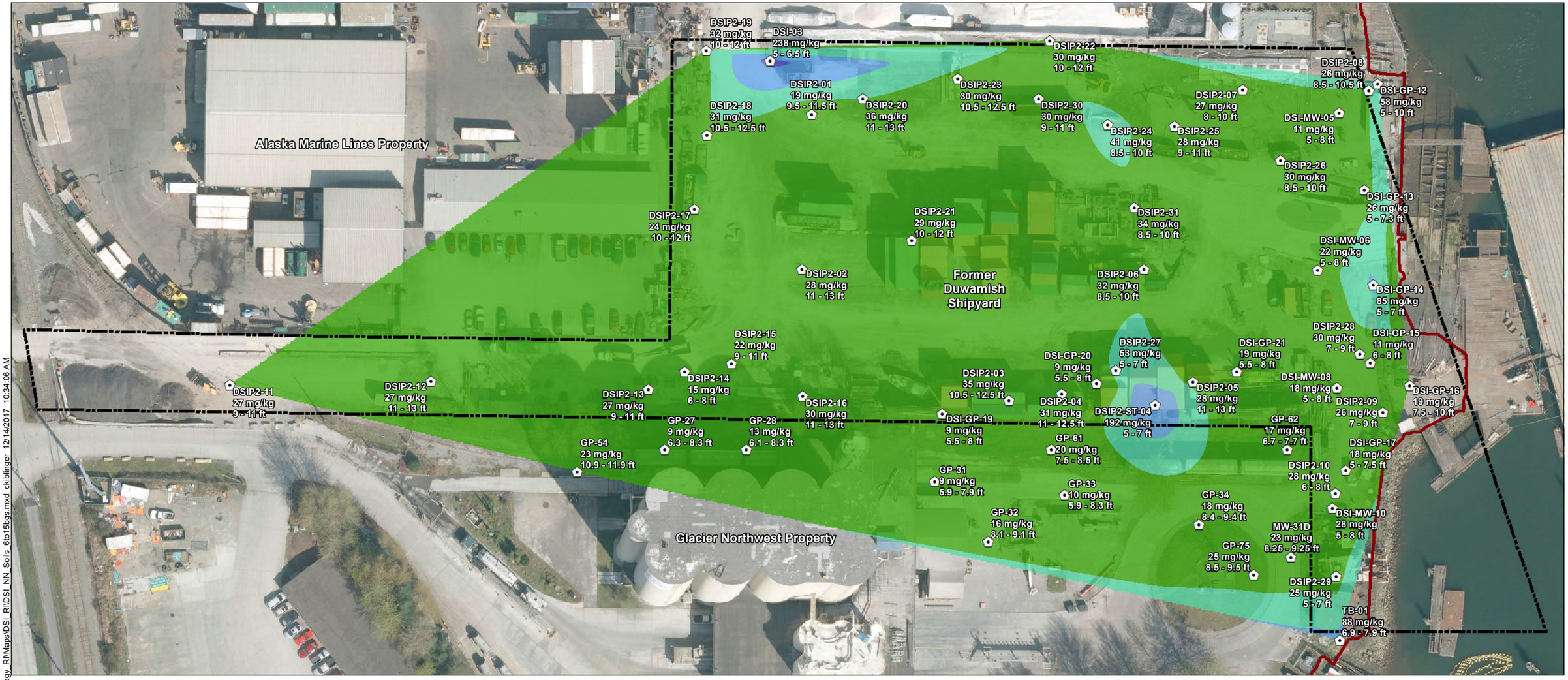
NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 0 to 6 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

\\orcas\gis\Jobs\DuwamishShipyardInc_0111\DSI_Ecology_RI\Maps\DSI_RI\DSI_NN_Soils_0to6bgs.mxd ckblinger 12/14/2017 10:29:30 AM

ANCHOR QEA

Figure 7-1c
Maximum concentrations of Copper in Soil, 0 to 6 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



\\orcas\gis\Jobs\DuwamishShipyardInc_01111\DSI_Ecology_RI\Maps\DSI_RI\DSI_NN_Soils_6to15bgs.mxd ckiblinger 12/14/2017 10:34:06 AM

Copper (mg/kg)

- <36 (Screening Level)
- 36 - 72 (x2)
- 72 - 180 (x5)
- 180 - 360 (x10)
- >360

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

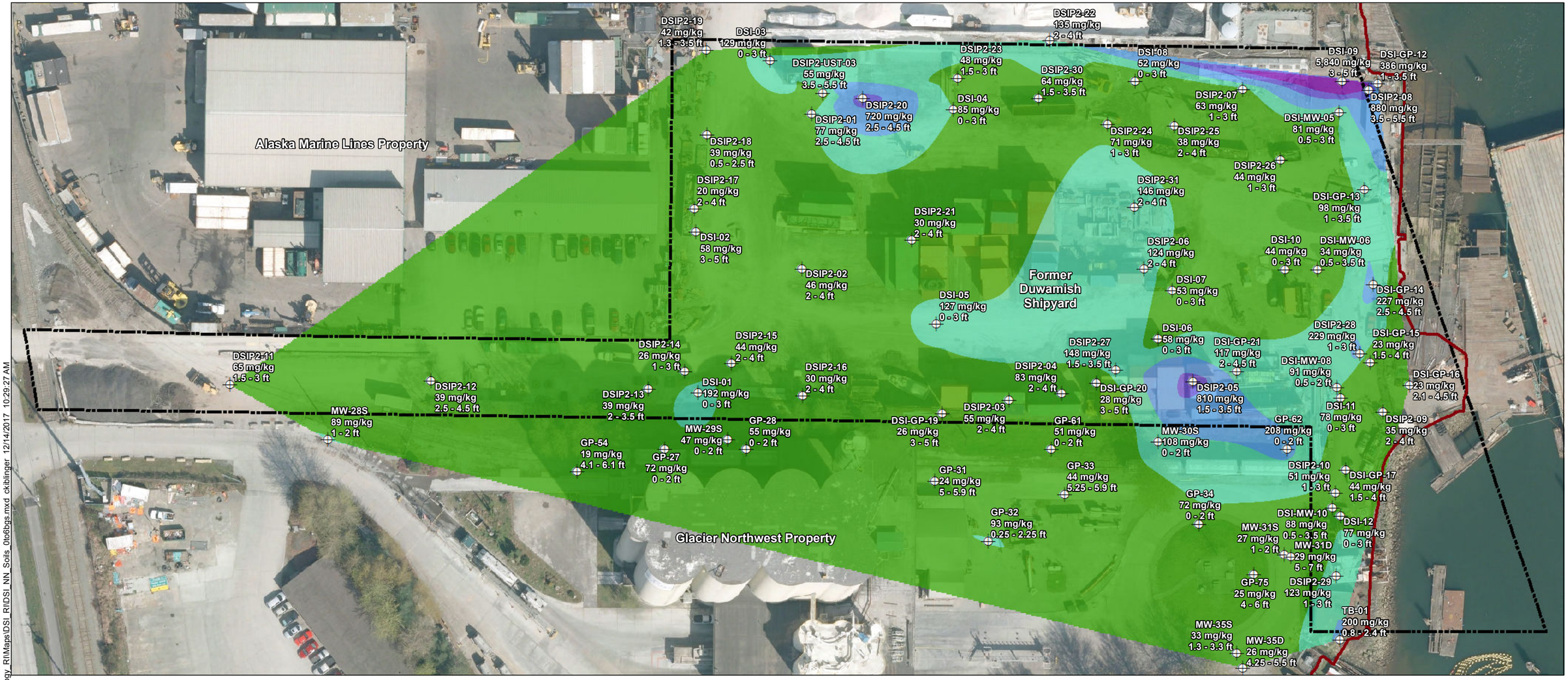
- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 6 to 15 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

ANCHOR QEA

Figure 7-1d
Maximum concentrations of Copper in Soil, 6 to 15 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Zinc (mg/kg)

- <85 (Screening Level)
- 85 - 170 (2x)
- 170 - 425 (5x)
- 425 - 850 (10x)
- >850

Soil Sampling Location

Location ID
Maximum Concentration
Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 0 to 6 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

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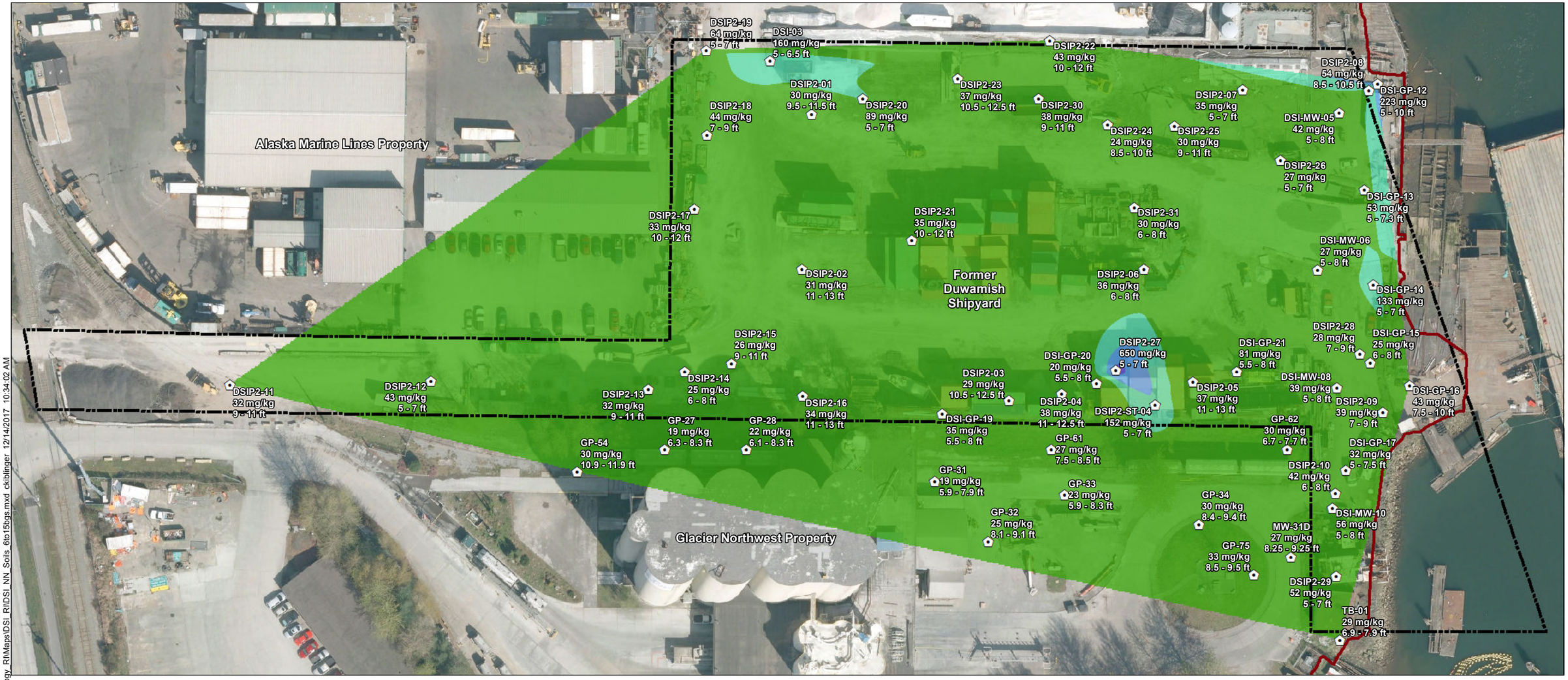
ANCHOR QEA

Figure 7-1e
Maximum concentrations of Zinc in Soil, 0 to 6 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Zinc (mg/kg)

- <85 (Screening Level)
- 85 - 170 (2x)
- 170 - 425 (5x)
- 425 - 850 (10x)
- >850

Soil Sampling Location

Location ID
Maximum Concentration
Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

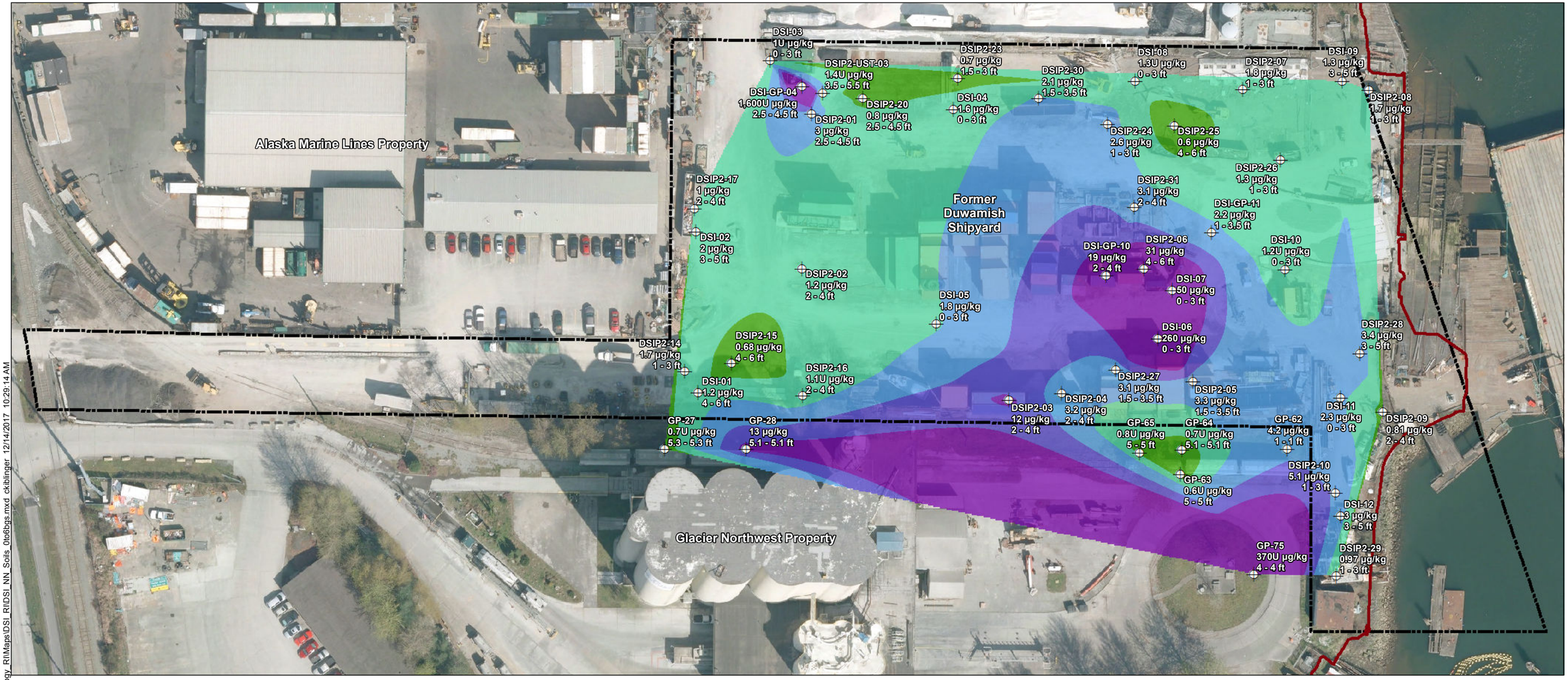
NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 6 to 15 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

\\orcas\gis\Jobs\DuwamishShipyardInc_0111\DSI_Ecology_RI\Maps\DSI_RI\DSI_NN_Soils_6to15bgs.mxd ckiblinger 12/14/2017 10:34:02 AM ckiblinger

ANCHOR QEA

Figure 7-1f
Maximum concentrations of Zinc in Soil, 6 to 15 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Benzene (µg/kg)

- <1 (Screening Level)
- 1 - 2 (2x)
- 2 - 5 (5x)
- 5 - 10 (10x)
- >10

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 0 to 6 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

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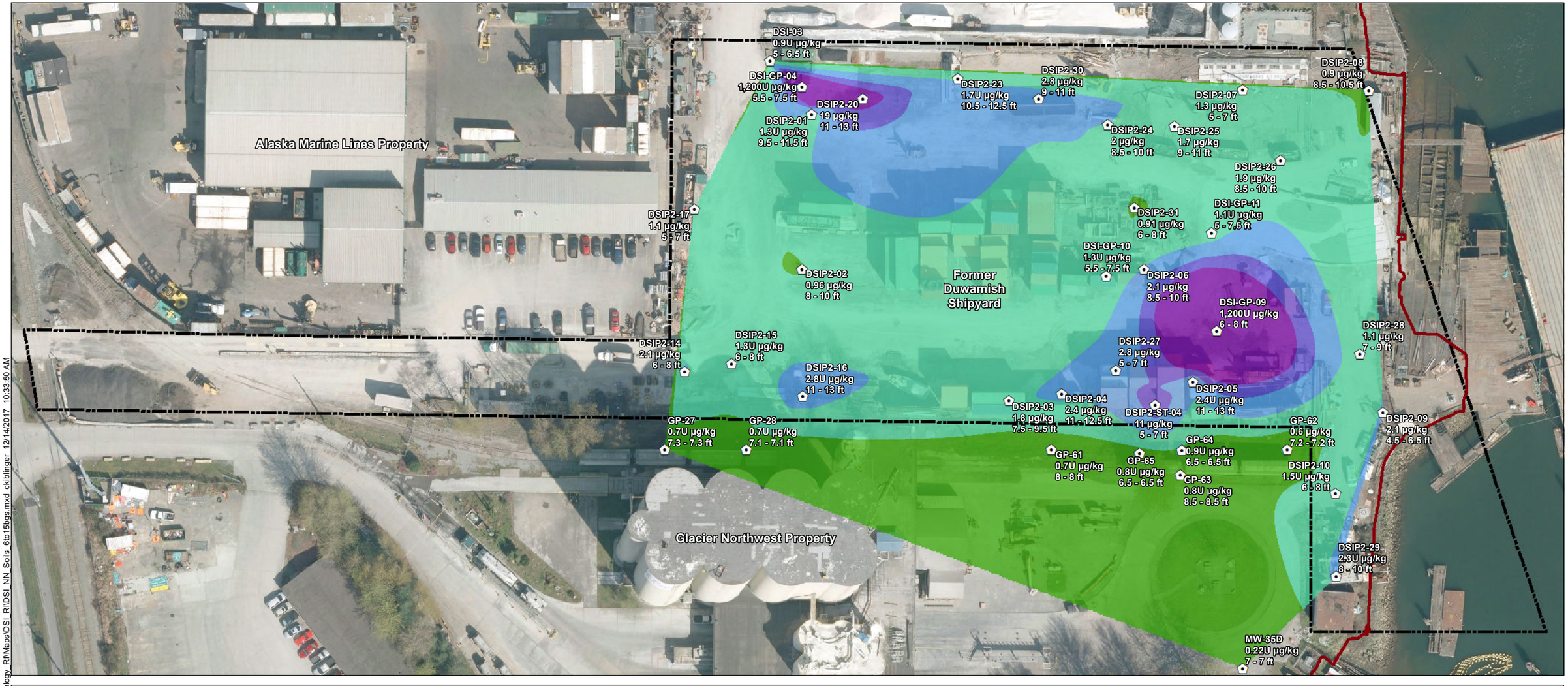
ANCHOR QEA

Figure 7-1g
Maximum concentrations of Benzene in Soil, 0 to 6 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Benzene (µg/kg)

- <1 (Screening Level)
- 1 - 2 (2x)
- 2 - 5 (5x)
- 5 - 10 (10x)
- >10

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 6 to 15 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

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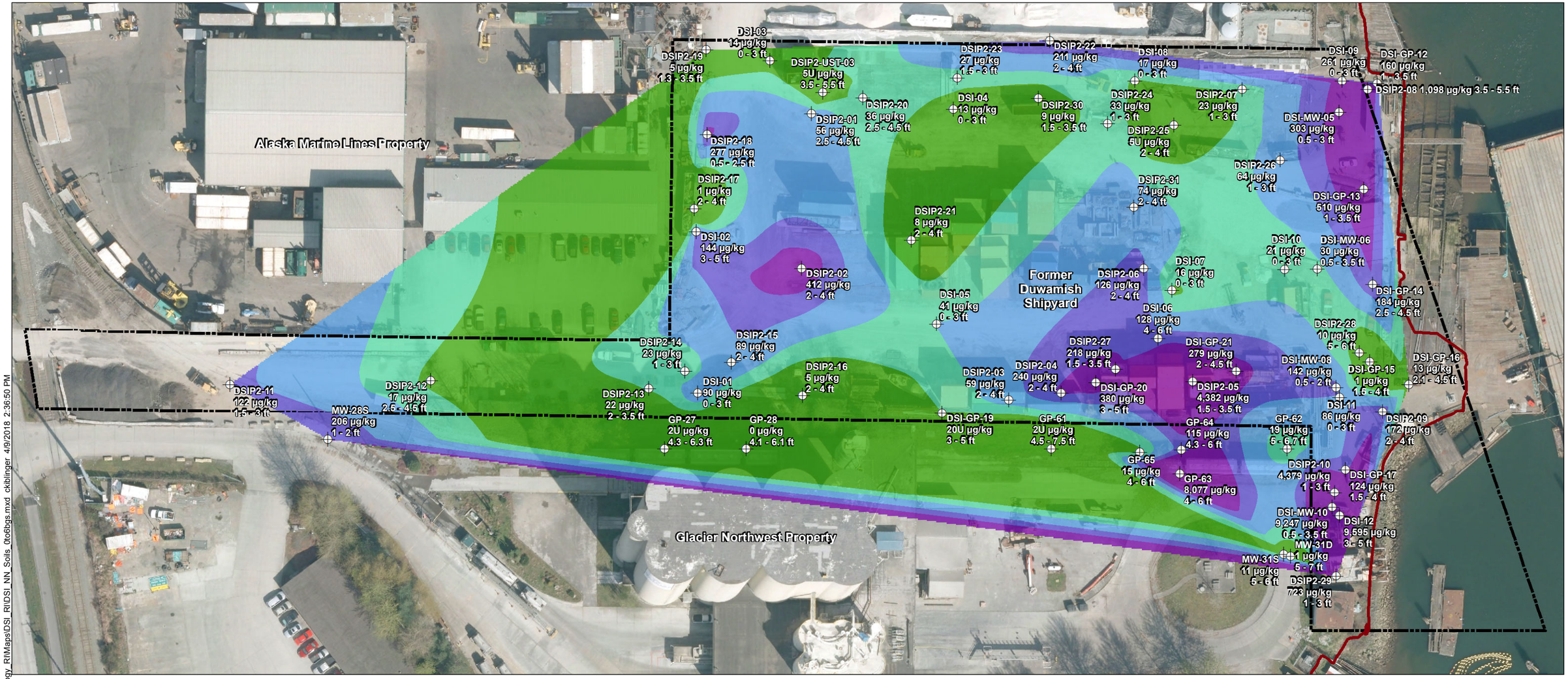
ANCHOR QEA

Figure 7-1h
Maximum concentrations of Benzene in Soil, 6 to 15 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0, µg/kg)

- <20 (Screening Level)
- 20 - 40 (2x)
- 40 - 100 (5x)
- 100 - 200 (10x)
- >200

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 0 to 6 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

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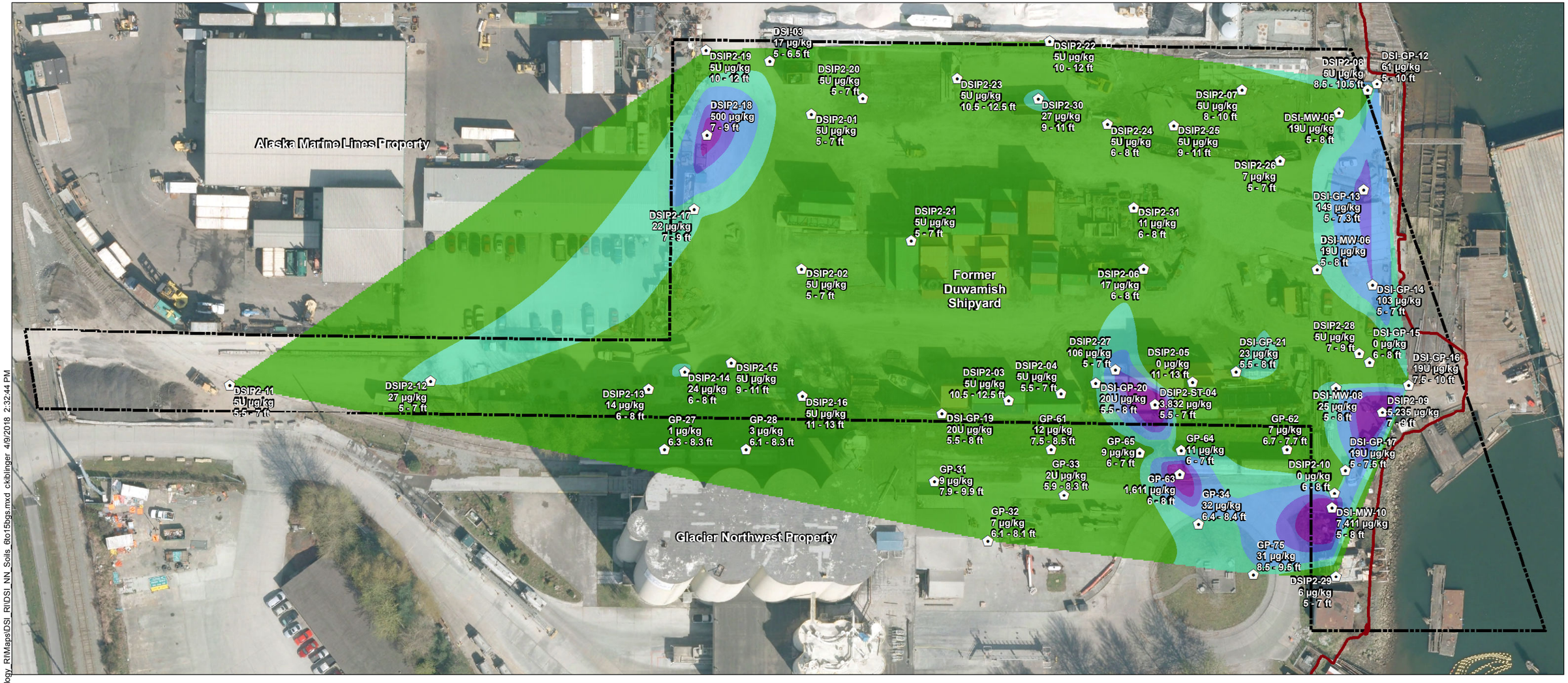
Figure 7-1i
Maximum concentrations of Total cPAH TEQ in Soil, 0 to 6 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.

ANCHOR QEA



Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0, µg/kg)

- <20 (Screening Level)
- 20 - 40 (2x)
- 40 - 100 (5x)
- 100 - 200 (10x)
- >200

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

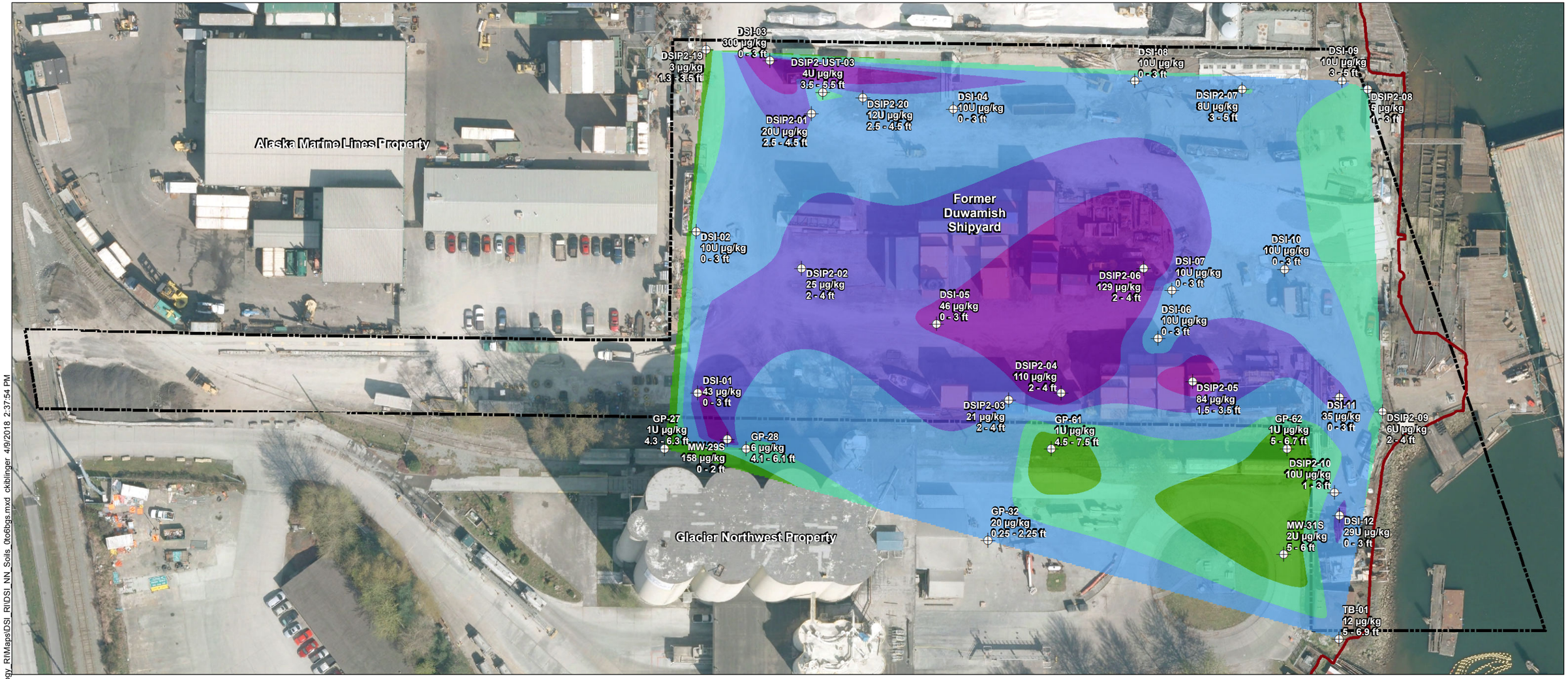
NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 6 to 15 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

\\orcas\gis\Jobs\DuwamishShipyardInc_01111\DSI_Ecology_RI\Maps\DSI_RI\DSI_NN_Soils_6to15bgs.mxd ckiblinger 4/9/2018 2:32:44 PM

ANCHOR QEA

Figure 7-1j
Maximum concentrations of Total cPAH TEQ in Soil, 6 to 15 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Total PCB Aroclors (U = 0, µg/kg)

- <4 (Screening Level)
- 4 - 8 (2x)
- 8 - 20 (5x)
- 20 - 40 (10x)
- >40

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 0 to 6 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

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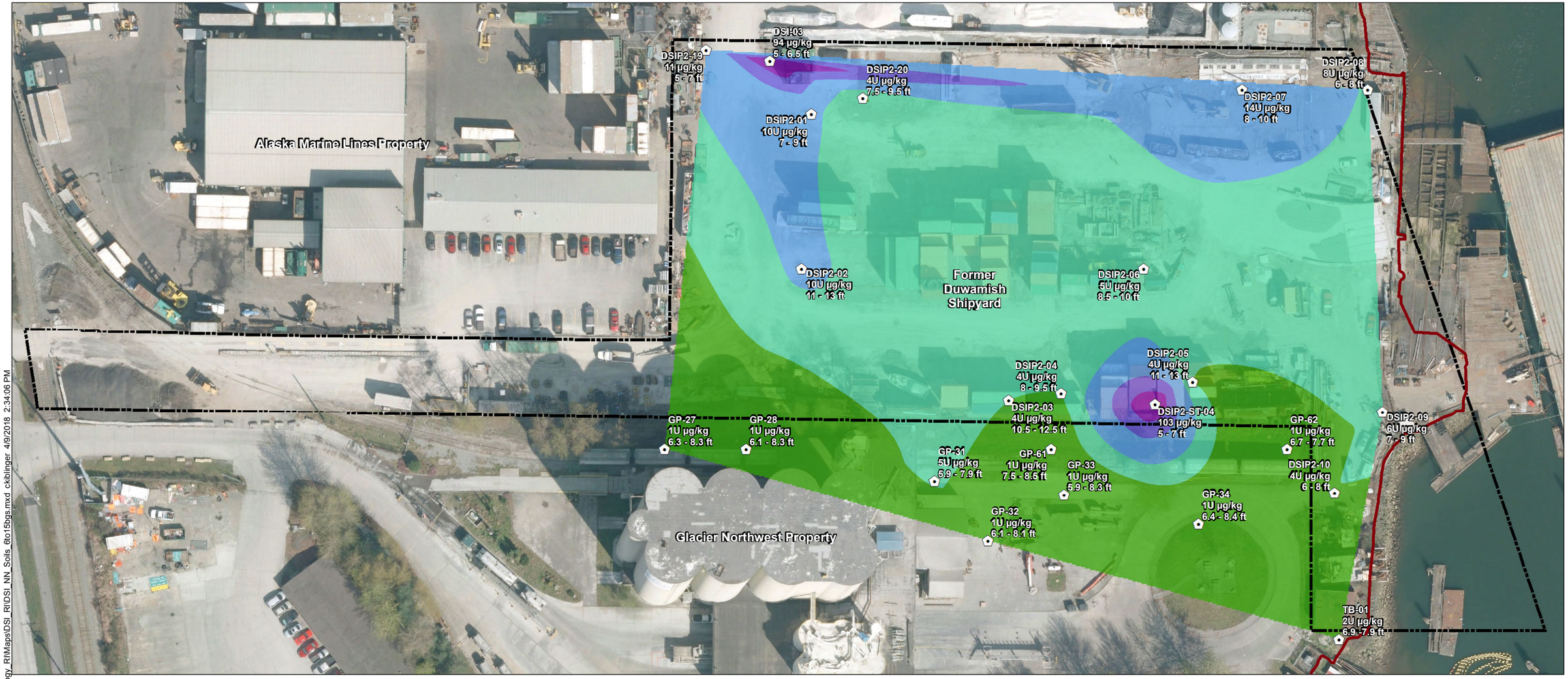
ANCHOR QEA

Figure 7-1k
Maximum concentrations of PCB Aroclors in Soil, 0 to 6 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Total PCB Aroclors (U = 0, µg/kg)

- <4 (Screening Level)
- 4 - 8 (2x)
- 8 - 20 (5x)
- 20 - 40 (10x)
- >40

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 6 to 15 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

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ANCHOR QEA

Figure 7-1l
Maximum concentrations of PCB Aroclors in Soil, 6 to 15 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.

Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0, ng/kg)

- <5.2 (Screening Level)
- 5.2 - 10.4 (2x)
- 10.4 - 26 (5x)
- 26 - 52 (10x)
- >52

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 0 to 6 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

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ANCHOR QEA

Figure 7-1m
Maximum concentrations of Dioxins/Furans in Soil, 0 to 6 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.

Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0, ng/kg)

- <5.2 (Screening Level)
- 5.2 - 10.4 (2x)
- 10.4 - 26 (5x)
- 26 - 52 (10x)
- >52

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 6 to 15 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

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ANCHOR QEA

Figure 7-1n
Maximum concentrations of Dioxins/Furans in Soil, 6 to 15 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.

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Benzyl alcohol (µg/kg)

- <57 (Screening Level)
- 57 - 114 (x2)
- 114 - 285 (x5)
- 285 - 570 (x10)
- >570

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

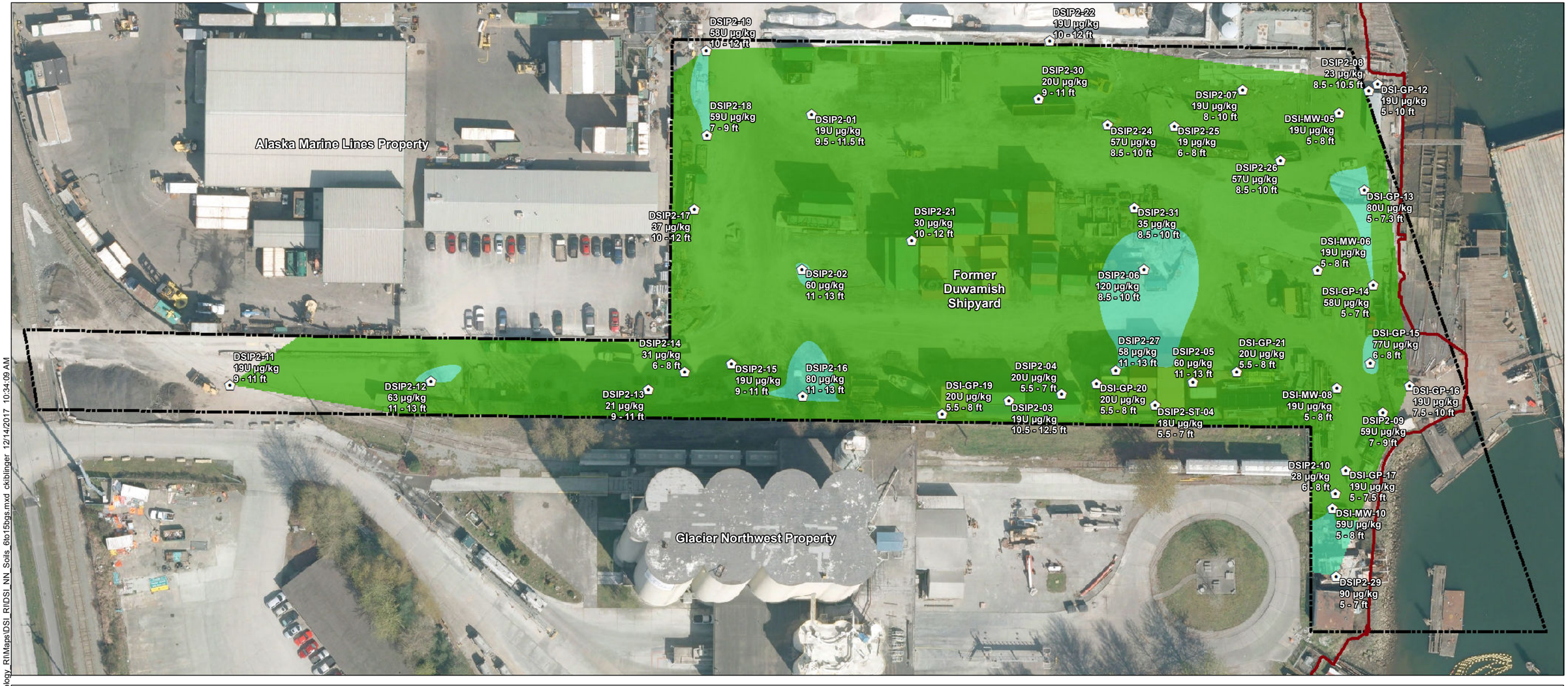
- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 0 to 6 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

ANCHOR QEA

Figure 7-1o
Maximum concentrations of Benzyl Alcohol in Soil, 0 to 6 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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Benzyl alcohol (µg/kg)

- <57 (Screening Level)
- 57 - 114 (x2)
- 114 - 285 (x5)
- 285 - 570 (x10)
- >570

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

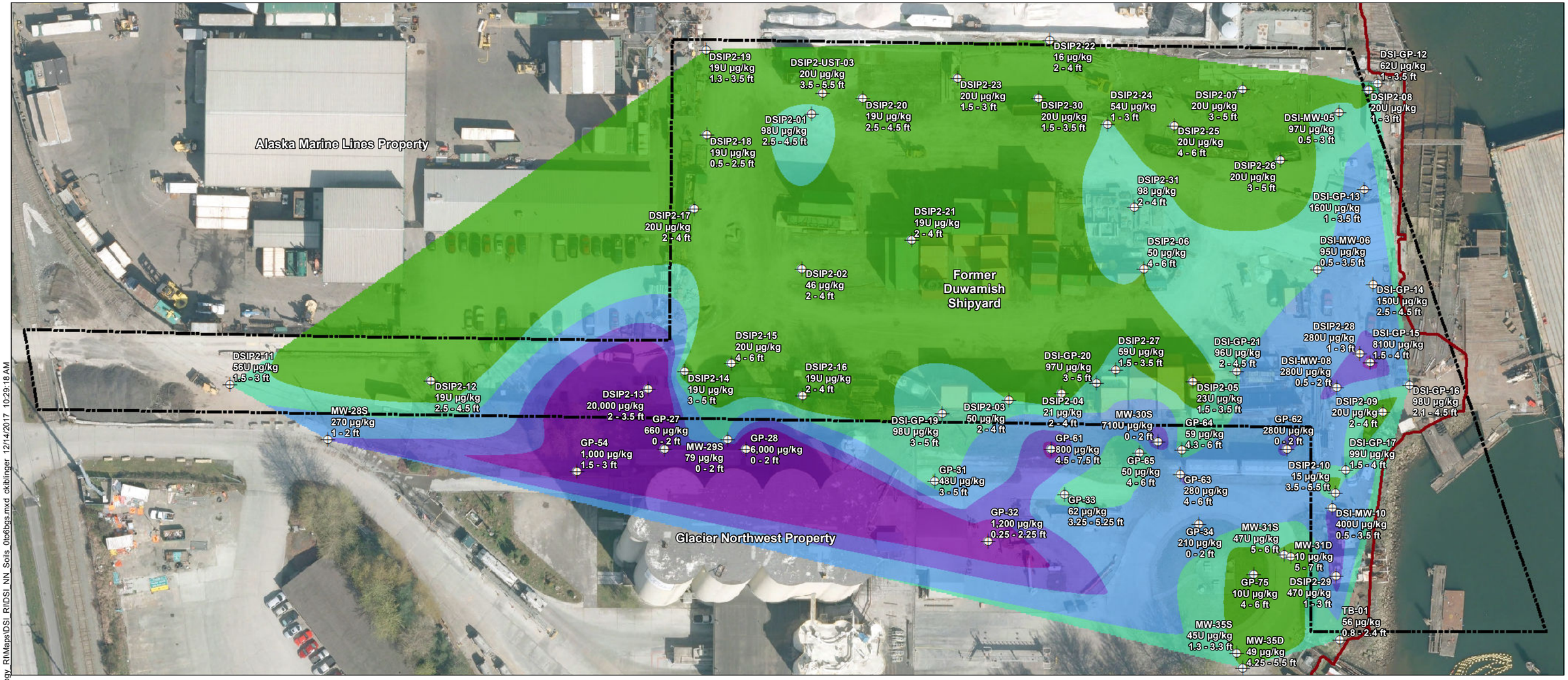
- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 6 to 15 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

ANCHOR QEA

Figure 7-1p
Maximum concentrations of Benzyl Alcohol in Soil, 6 to 15 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Pentachlorophenol (µg/kg)

- <50 (Screening Level)
- 50 - 100 (x2)
- 100 - 250 (x5)
- 250 - 500 (x10)
- >500

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 0 to 6 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

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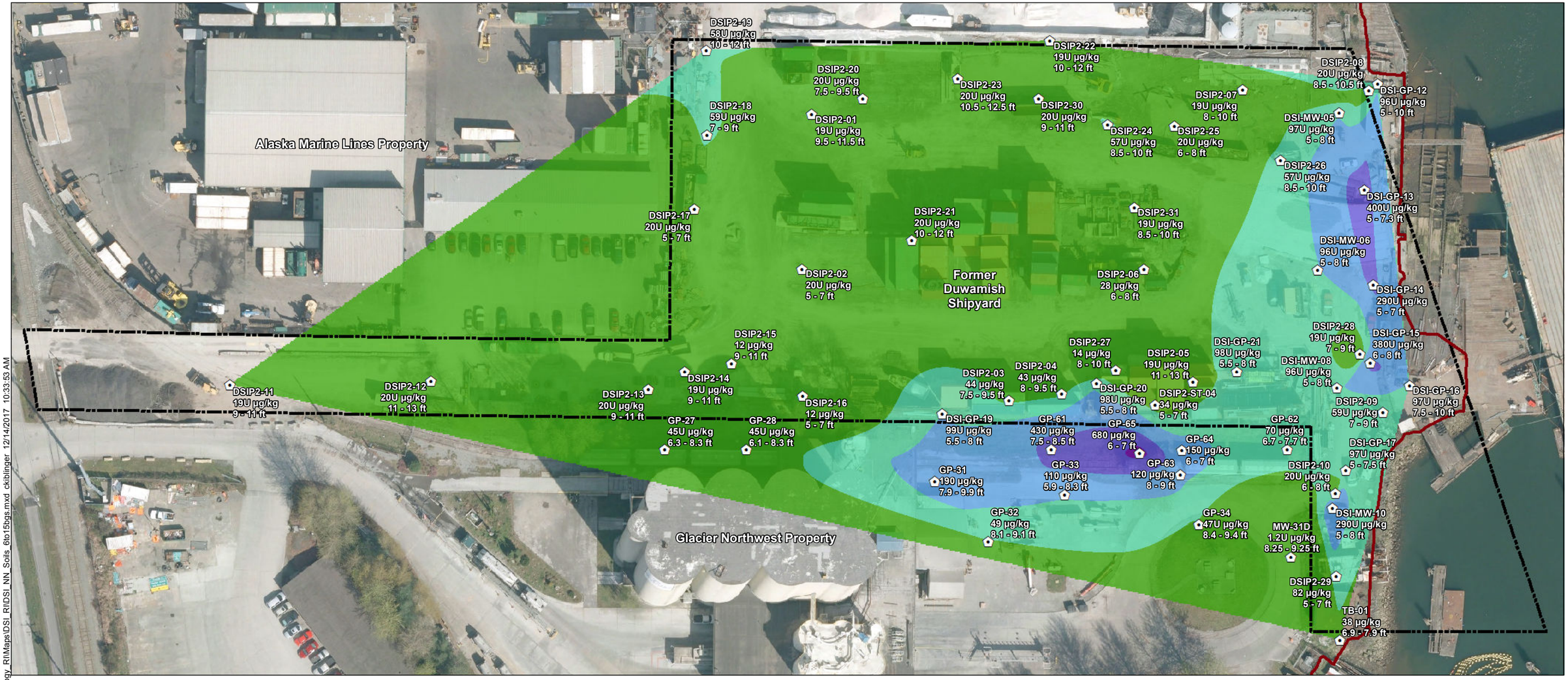
ANCHOR QEA

Figure 7-1q
Maximum concentrations of Pentachlorophenol in Soil, 0 to 6 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Pentachlorophenol (µg/kg)

- <50 (Screening Level)
- 50 - 100 (x2)
- 100 - 250 (x5)
- 250 - 500 (x10)
- >500

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 6 to 15 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

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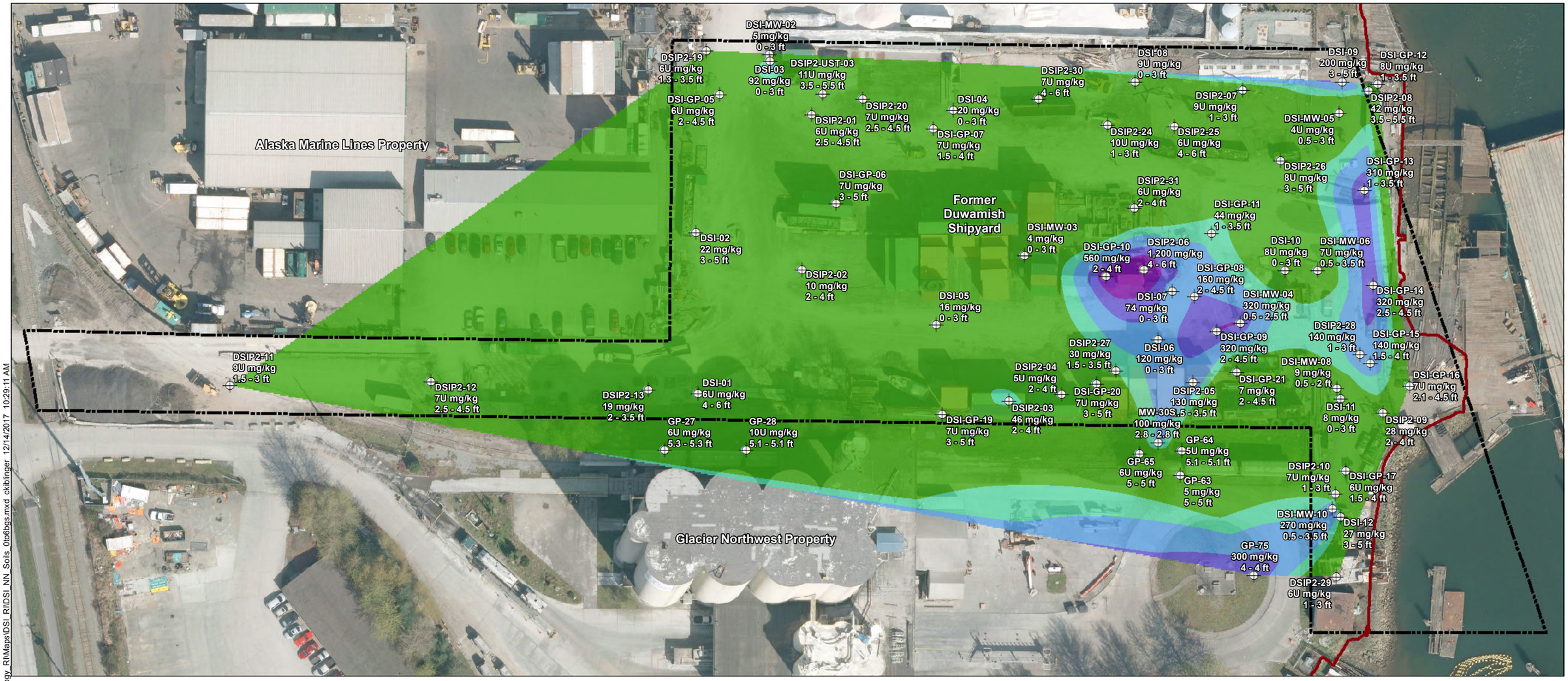
Figure 7-1r
Maximum concentrations of Pentachlorophenol in Soil, 6 to 15 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.

ANCHOR QEA



Gasoline Range Hydrocarbons (mg/kg)

- <30 (Screening Level)
- 30 - 60 (x2)
- 60 - 150 (x5)
- 150 - 300 (x10)
- >300

Soil Sampling Location

Location ID
Maximum Concentration
Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 0 to 6 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

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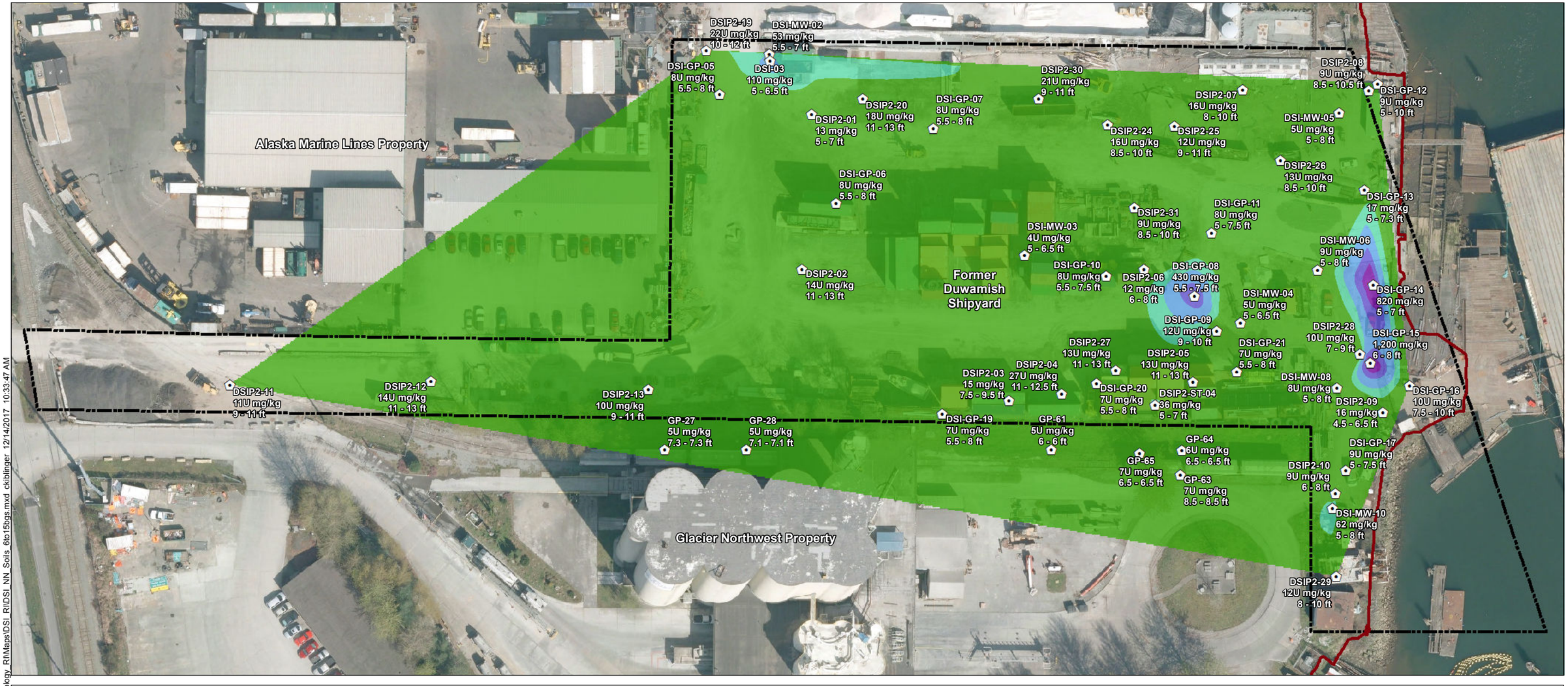
Figure 7-1s
Maximum concentrations of Gasoline Range Hydrocarbons in Soil, 0 to 6 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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Gasoline Range Hydrocarbons (mg/kg)

- <30 (Screening Level)
- 30 - 60 (x2)
- 60 - 150 (x5)
- 150 - 300 (x10)
- >300

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

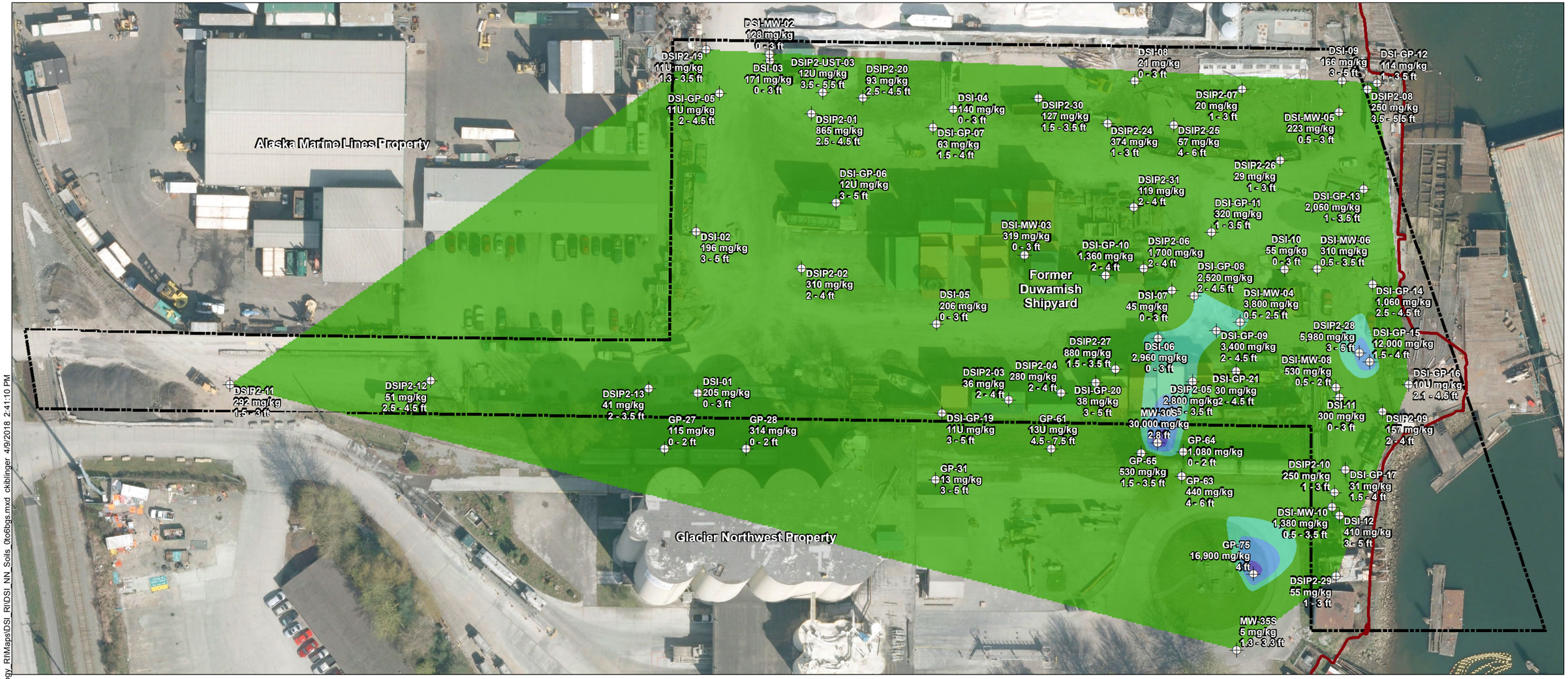
- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 6 to 15 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

ANCHOR QEA

Figure 7-1t
Maximum concentrations of Gasoline Range Hydrocarbons in Soil, 6 to 15 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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Total Diesel and Motor Oil (U = 0, mg/kg)

- <2,000 (Screening Level)
- 2,000 - 4,000 (2x)
- 4,000 - 10,000 (5x)
- 10,000 - 20,000 (10x)
- >20,000

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

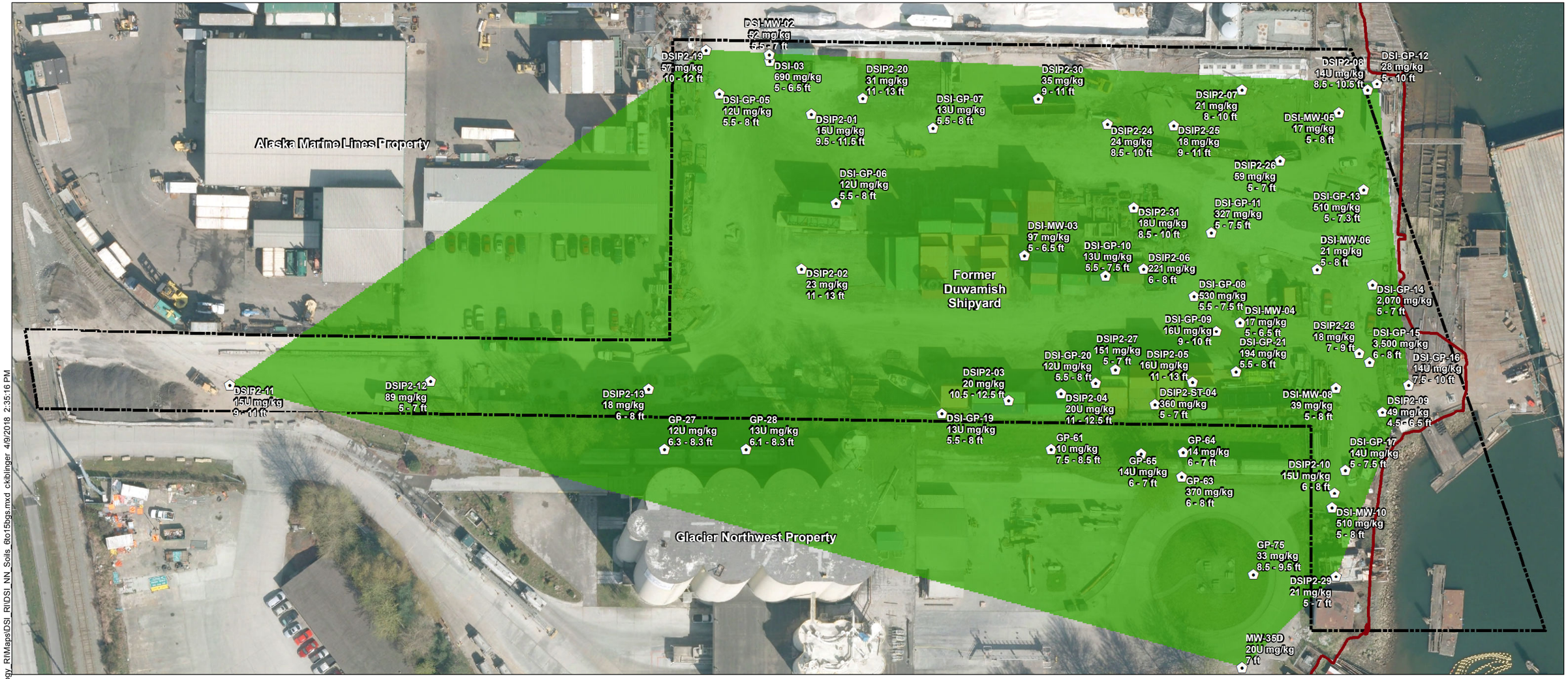
- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 0 to 6 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

ANCHOR QEA

Figure 7-1u
Maximum concentrations of Total Diesel and Motor Oil Range Organics in Soil, 0 to 6 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Total Diesel and Motor Oil (U = 0, mg/kg)

- <2,000 (Screening Level)
- 2,000 - 4,000 (2x)
- 4,000 - 10,000 (5x)
- 10,000 - 20,000 (10x)
- >20,000

Soil Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration at each soil location was used for contouring at a depth of 6 to 15 feet.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

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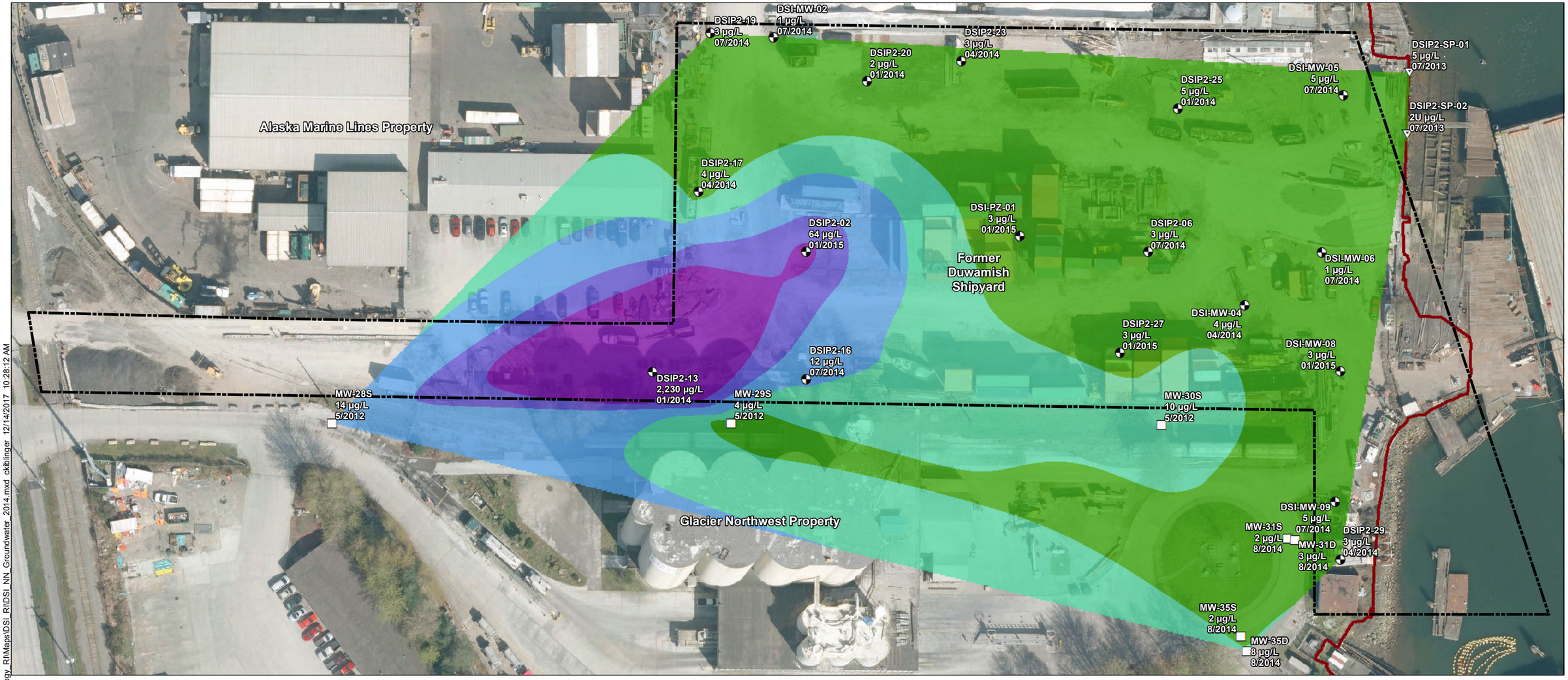
ANCHOR QEA

Figure 7-1v
Maximum concentrations of Total Diesel and Motor Oil Range Organics in Soil, 6 to 15 feet bgs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Dissolved Arsenic (µg/L)

- <5 (Screening Level)
- 5 - 10 (2x)
- 10 - 25 (5x)
- 25 - 50 (10x)
- >50

Legend

- Shallow Well
- Seep
- Glacier Northwest Sampling Location

Groundwater Sampling Location

- Location ID
  Maximum Concentration
  Date

- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration for the 2014-2015 quarterly sampling at each groundwater location was used for contouring.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

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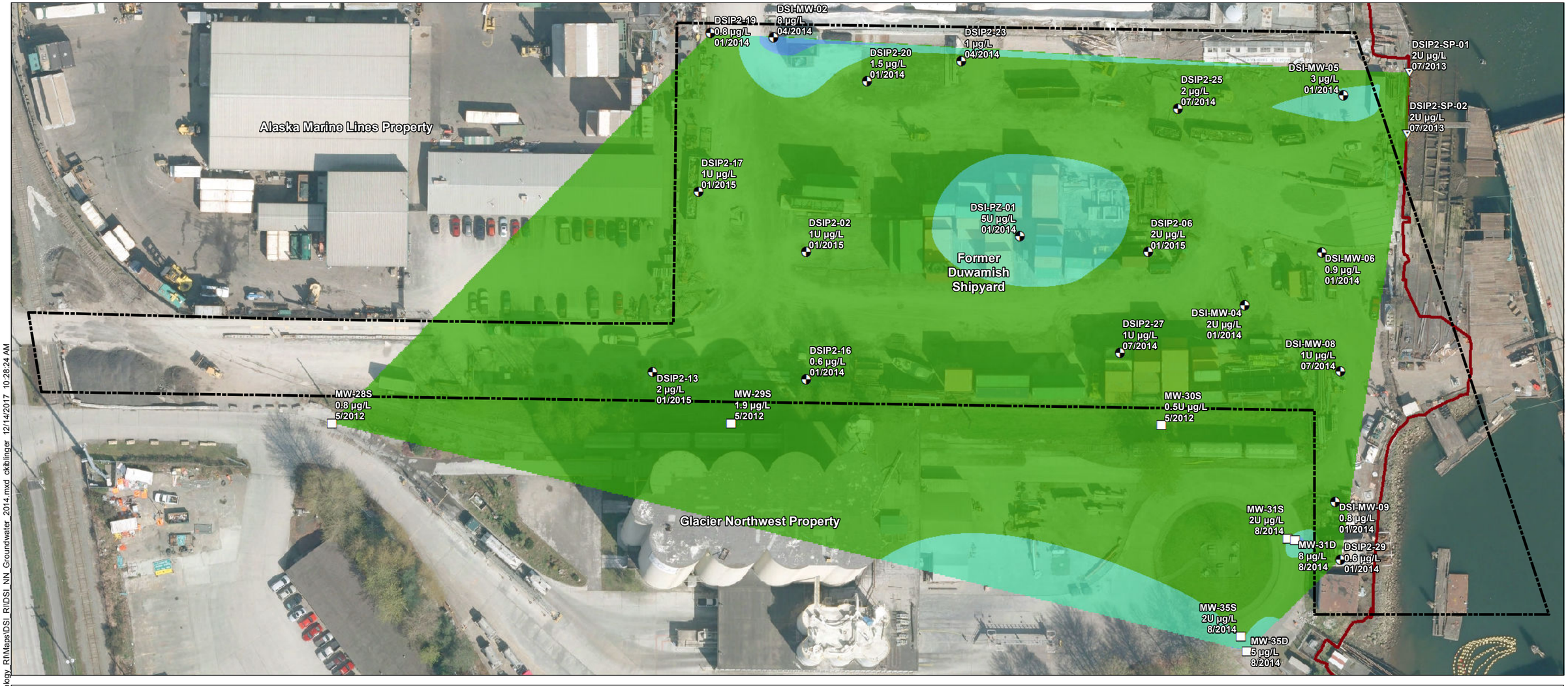
ANCHOR QEA

Figure 7-2a
Maximum concentrations of Dissolved Arsenic in Groundwater, 2014-2015
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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Dissolved Copper (µg/L)

- <2.4 (Screening Level)
- 2.4 - 4.8 (x2)
- 4.8 - 12 (x5)
- 12 - 24 (x10)
- >24

Legend

- Shallow Well
- Seep
- Glacier Northwest Sampling Location

Groundwater Sampling Location

- Location ID
  Maximum Concentration
  Date

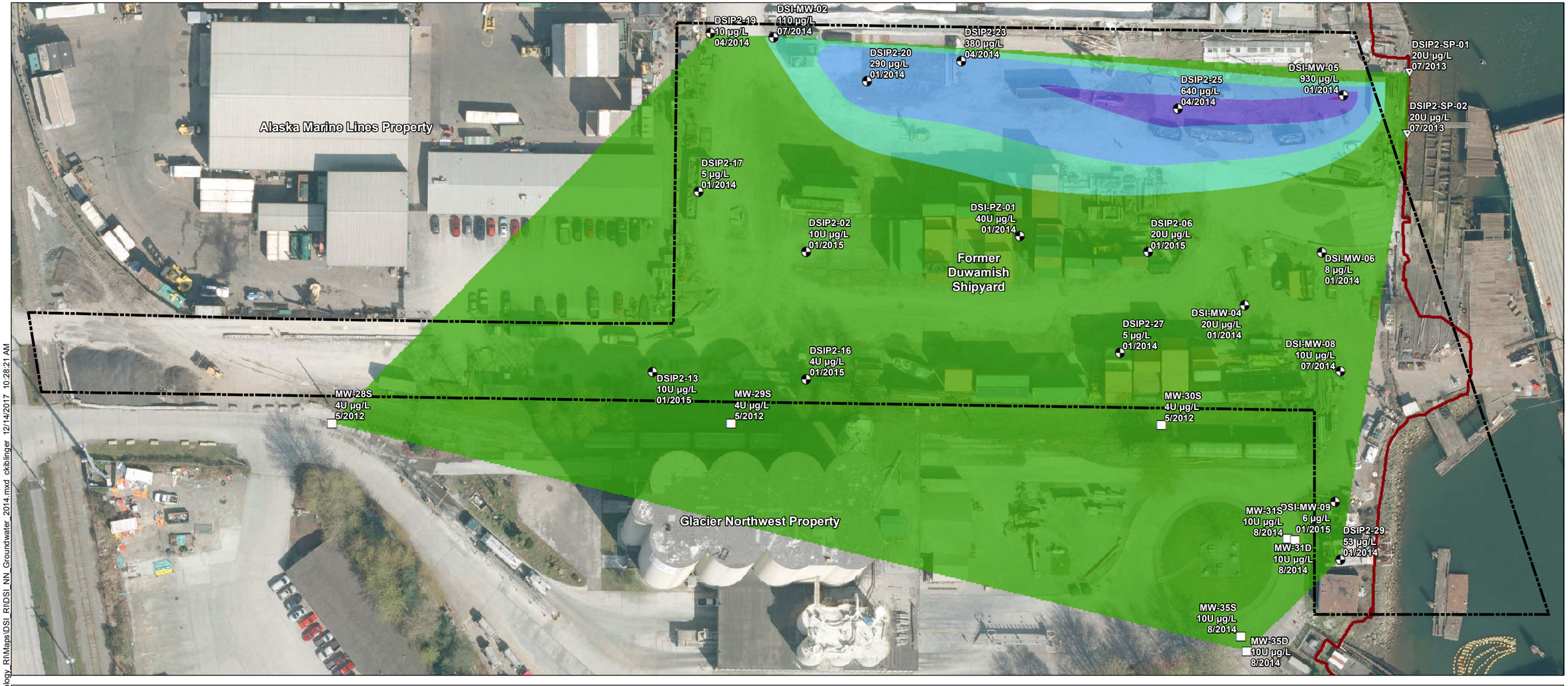
- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration for the 2014-2015 quarterly sampling at each groundwater location was used for contouring.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

Figure 7-2b
Maximum concentrations of Dissolved Copper in Groundwater, 2014-2015
Public Review Draft RI Report
Duwamish Shipyard, Inc.

ANCHOR QEA



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Dissolved Zinc (µg/L)

- <81 (Screening Level)
- 81 - 162 (x2)
- 162 - 405 (x5)
- 405 - 810 (x10)
- >810

Legend

- Shallow Well
- Seep
- Glacier Northwest Sampling Location

Groundwater Sampling Location

- Location ID
  Maximum Concentration
  Date

- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration for the 2014-2015 quarterly sampling at each groundwater location was used for contouring.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

Figure 7-2c
Maximum concentrations of Dissolved Zinc in Groundwater, 2014-2015
Public Review Draft RI Report
Duwamish Shipyard, Inc.

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Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0) (µg/L)

- <0.02 (Screening Level)
- 0.02 - 0.04 (2x)
- 0.04 - 0.10 (5x)
- 0.10 - 0.20 (10x)
- >0.20

Legend

- Shallow Well
- Seep

Groundwater Sampling Location

- Location ID
  Maximum Concentration
  Date

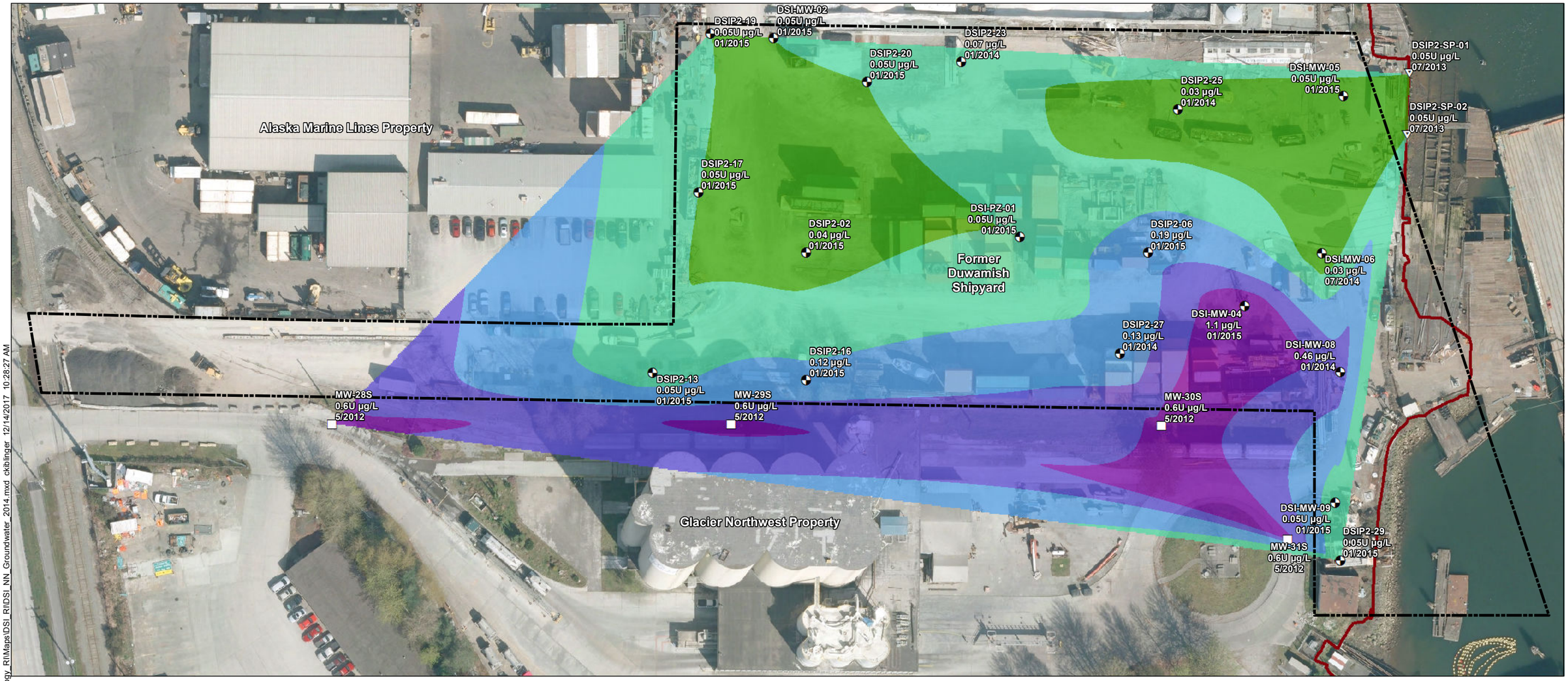
- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration for the 2014-2015 quarterly sampling at each groundwater location was used for contouring.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

ANCHOR QEA

Figure 7-2d
Maximum concentrations of Total cPAH TEQ in Groundwater, 2014-2015
Public Review Draft RI Report
Duwamish Shipyard, Inc.



\\orcas\gis\Jobs\DuwamishShipyardInc_0111\DSI_Ecology_RI\Maps\DSI_RI\DSI_NN_Groundwater_2014.mxd ckiblinger 12/14/2017 10:26:27 AM ckiblinger

Acrylonitrile (µg/L)

- <0.05 (Screening Level)
- 0.05 - 0.1 (2x)
- 0.1 - 0.25 (5x)
- 0.25 - 0.5 (10x)
- >0.5

Legend

- Shallow Well
- Seep
- Glacier Northwest Sampling Location

Groundwater Sampling Location

- Location ID
  Maximum Concentration
  Date

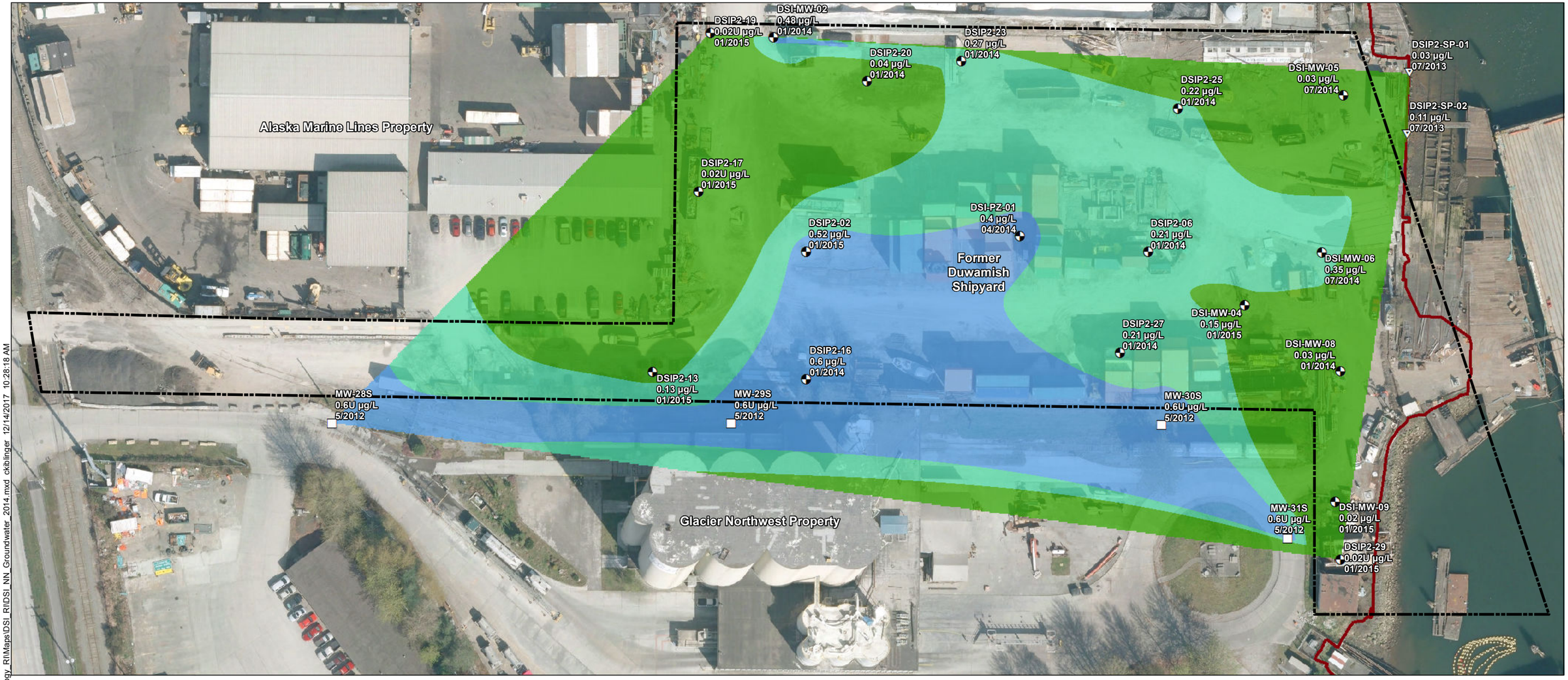
- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration for the 2014-2015 quarterly sampling at each groundwater location was used for contouring.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

ANCHOR QEA

Figure 7-2e
Maximum concentrations of Acrylonitrile in Groundwater, 2014-2015
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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Vinyl Chloride (µg/L)

- <0.18 (Screening Level)
- 0.18 - 0.36 (2x)
- 0.36 - 0.9 (5x)
- 0.9 - 1.8 (10x)
- >1.8

Legend

- Shallow Well
- Seep
- Glacier Northwest Sampling Location

Groundwater Sampling Location

- Location ID
  Maximum Concentration
  Date

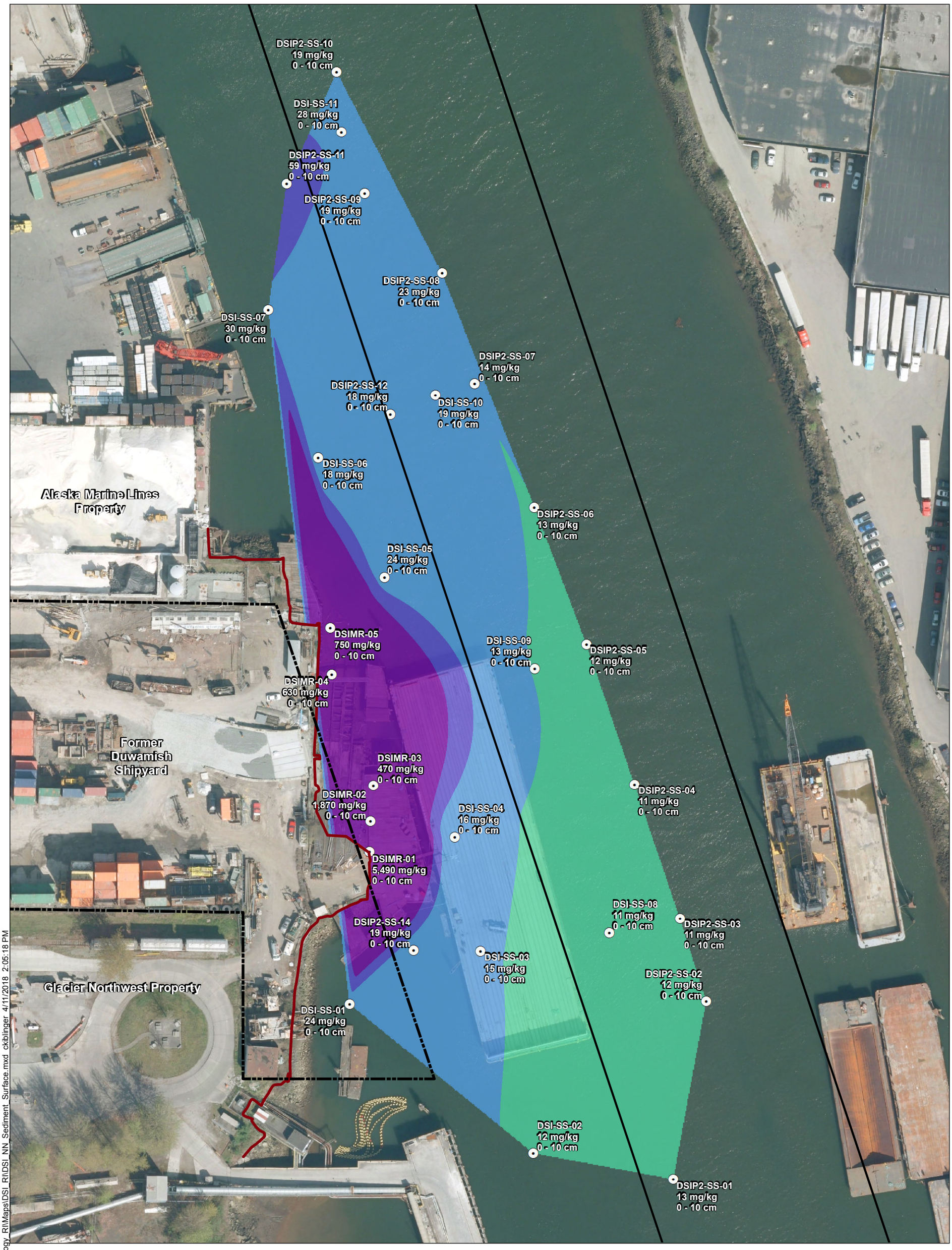
- Top of Bank (Approximate)
- DSI Property Boundary

NOTES:
1. The maximum concentration for the 2014-2015 quarterly sampling at each groundwater location was used for contouring.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.

Feet
0 75 150

ANCHOR QEA

Figure 7-2f
Maximum concentrations of Vinyl Chloride in Groundwater, 2014-2015
Public Review Draft RI Report
Duwamish Shipyard, Inc.



Arsenic (mg/kg)

- <7 (Screening Level)
- 7 - 14 (2x)
- 14 - 35 (5x)
- 35 - 57 (RAL)
- >57

Sediment Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval
- Top of Bank (Approximate)
- DSI Property Boundary
- Federal Navigation Channel

NOTES:

1. The maximum concentration at each sediment location was used for contouring at a depth of 0 to 10 centimeters.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.
3. The Remedial Action Level (RAL) from the Final Record of Decision for the Lower Duwamish Waterway Superfund Site for intertidal sediment are used to define the upper contour.
4. The screening level (7 mg/kg) is based on the natural background concentration.

Feet
0 50 100

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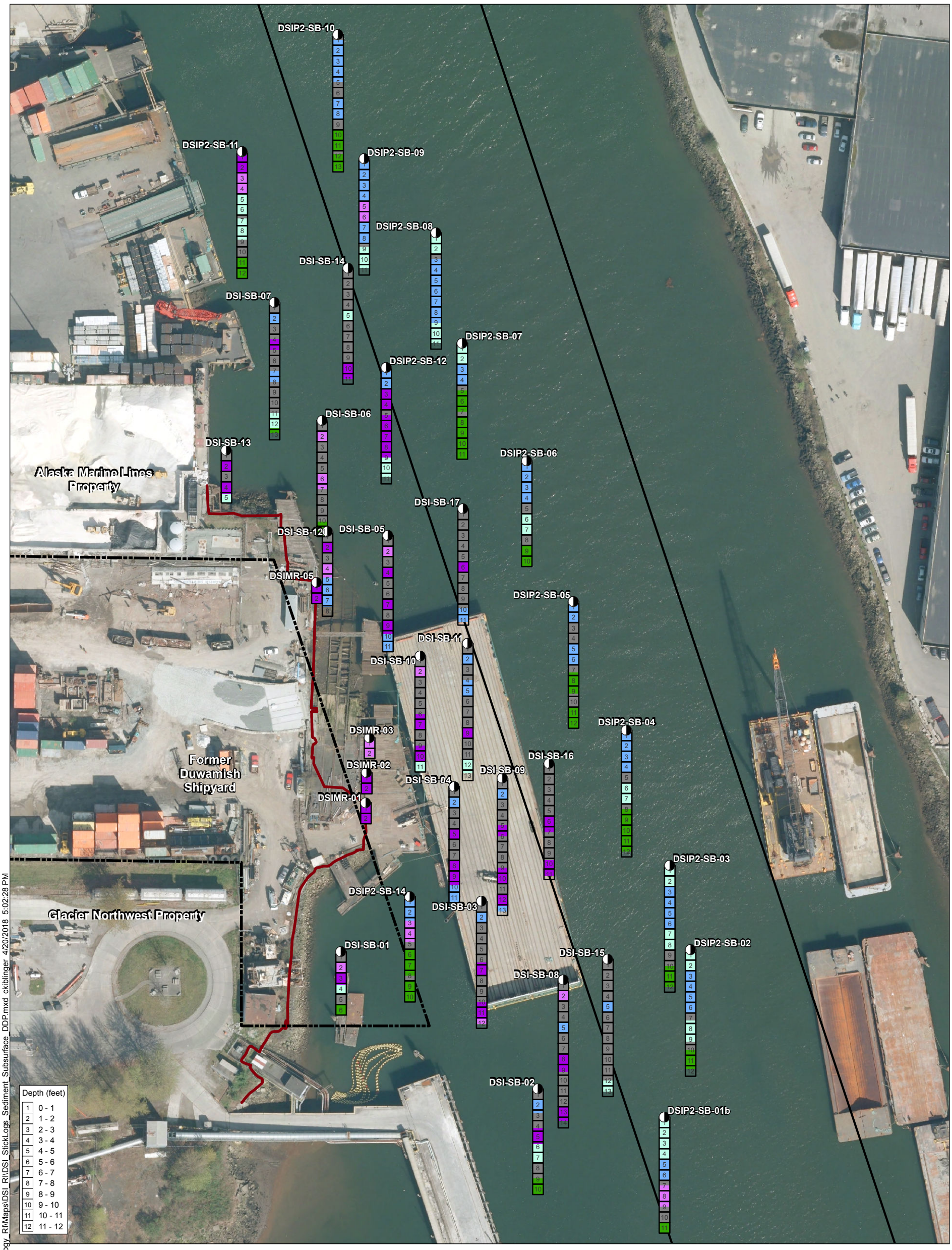
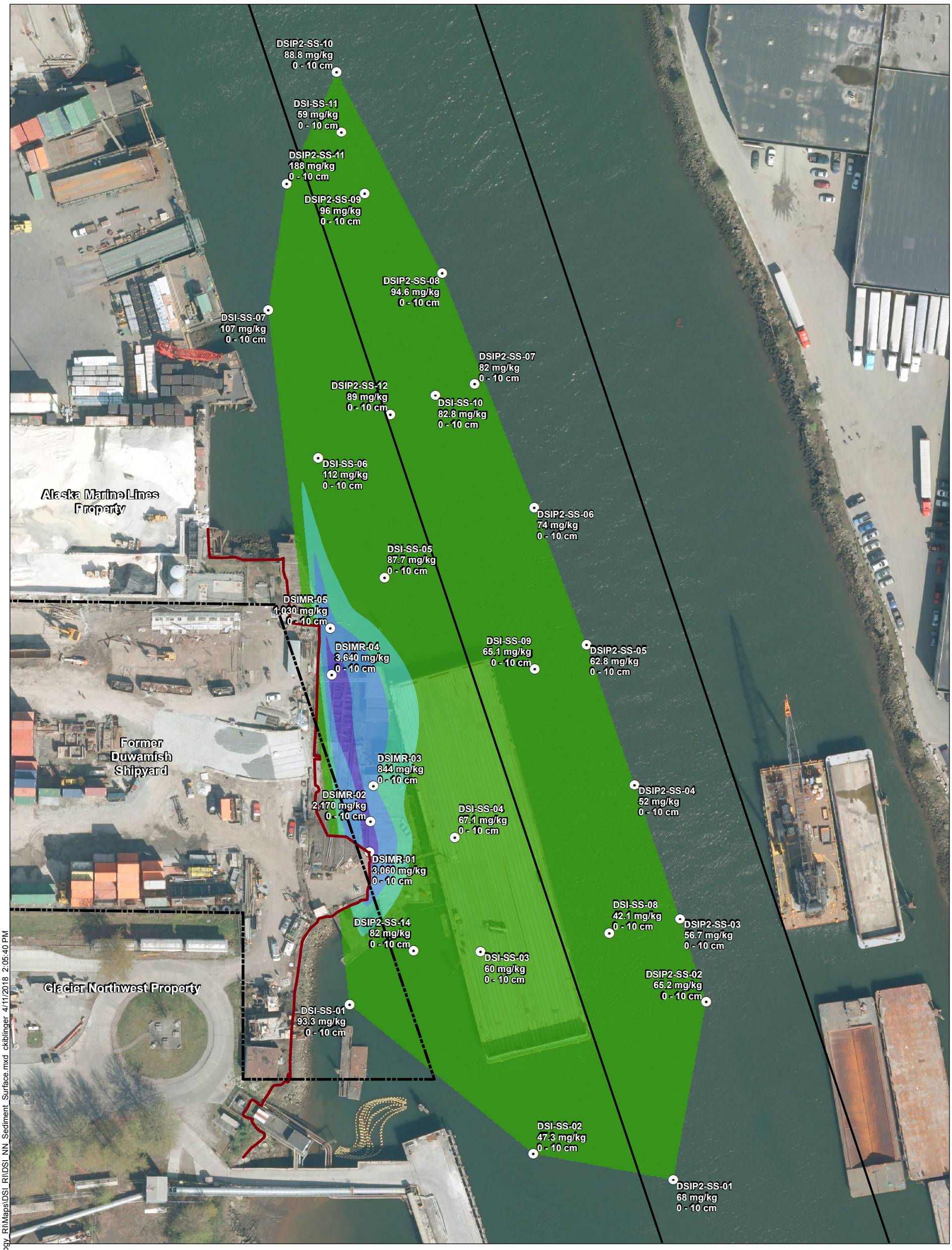
ANCHOR QEA

Figure 7-3a
Maximum concentrations of Arsenic in Surface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.



\\orcas\gis\Jobs\DuwamishShipyardInc_0111\DSI_Ecology_RI\Maps\DSI_RI\DSI_StickLogs_Sediment_Subsurface_DDP.mxd ckiblinger 4/20/2018 5:02:28 PM

Figure 7-3b
Arsenic in Subsurface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.



\\orcas\gis\Jobs\DuwamishShipyardInc_0111\DSI_Ecology_RI\Maps\DSI_RI\DSI_NN_Sediment_Surface.mxd ckiblinger 4/11/2018 2:05:40 PM

Copper (mg/kg)

- <390 (Screening Level)
- 390 - 780 (x2)
- 780 - 1,950 (x5)
- 1,950 - 3,900 (x10)
- >3,900

Sediment Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval
- Top of Bank (Approximate)
- DSI Property Boundary
- Federal Navigation Channel

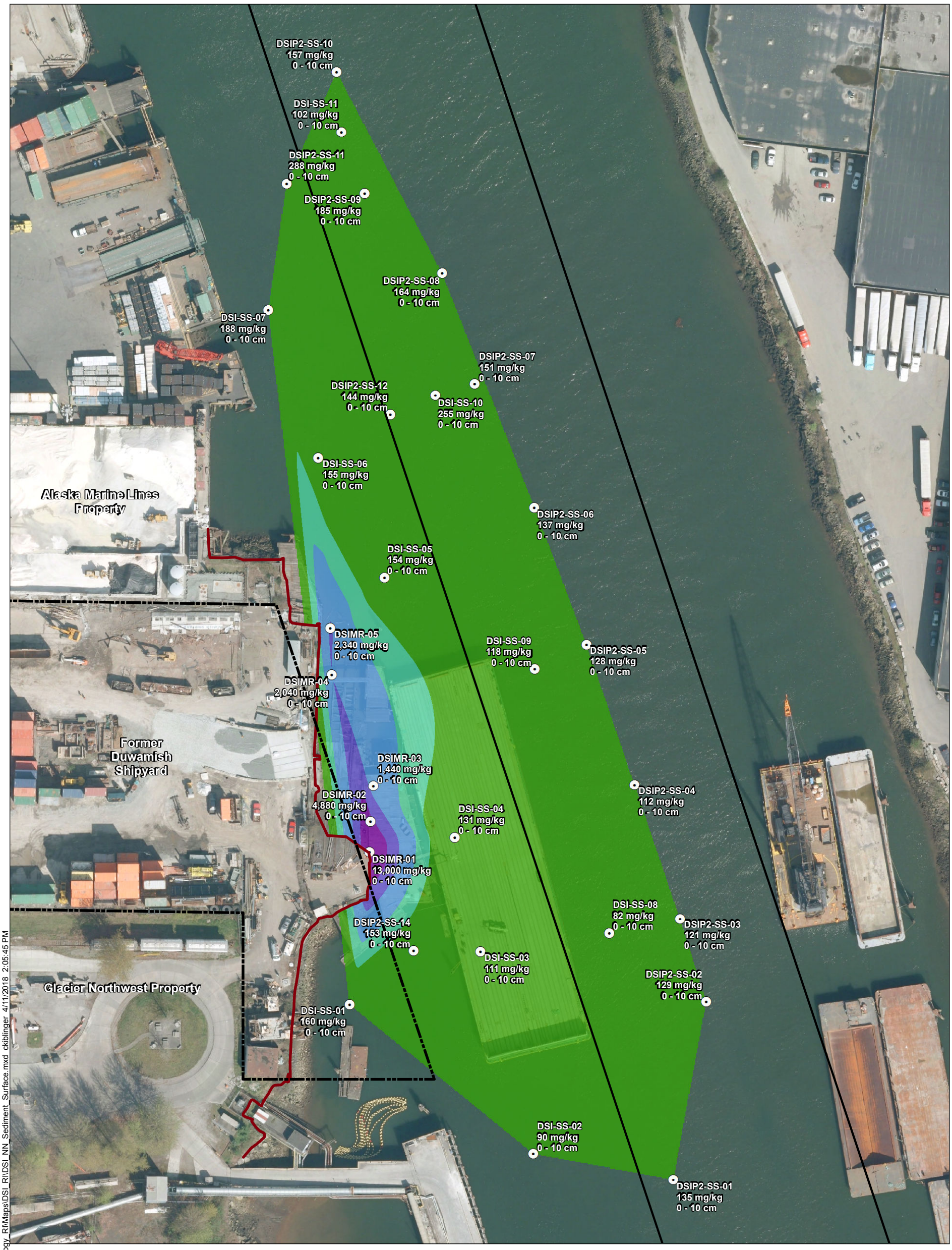
NOTES:
1. The maximum concentration at each sediment location was used for contouring at a depth of 0 to 10 centimeters.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.
3. The screening level (390 mg/kg) is based on the WA SMS Benthic SCO (WAC 173-204).

Feet
0 50 100

ANCHOR QEA

Figure 7-3c
Maximum concentrations of Copper in Surface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.

Figure 7-3d
Copper in Subsurface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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Zinc (mg/kg)

- <410 (Screening Level)
- 410 - 820 (x2)
- 820 - 2,050 (x5)
- 2,050 - 4,100 (x10)
- >4,100

Sediment Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval
- Top of Bank (Approximate)
- DSI Property Boundary
- Federal Navigation Channel

NOTES:
1. The maximum concentration at each sediment location was used for contouring at a depth of 0 to 10 centimeters.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.
3. The screening level (410 mg/kg) is based on the WA SMS Benthic SCO (WAC 173-204).

Feet
0 50 100

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Figure 7-3e
Maximum concentrations of Zinc in Surface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.

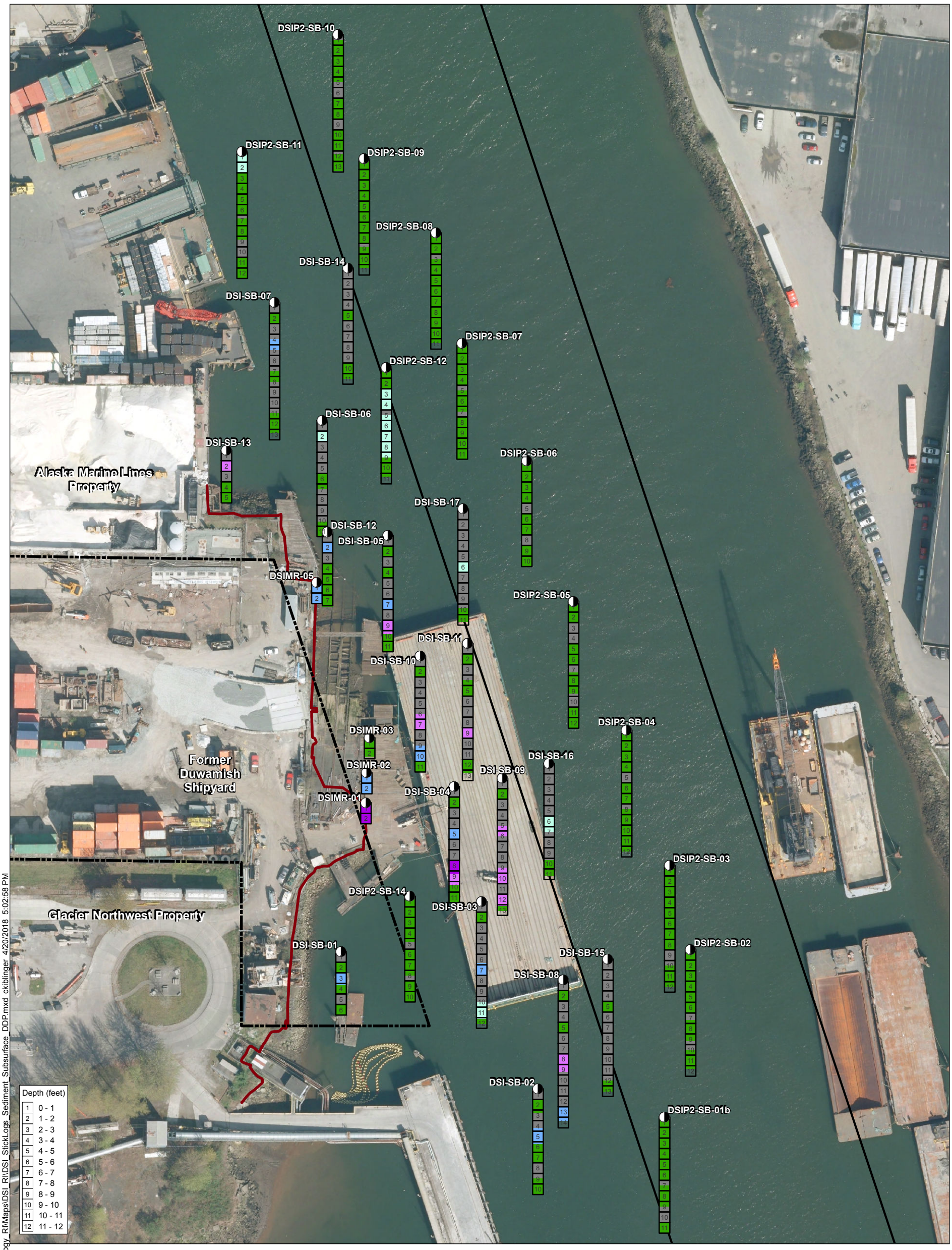
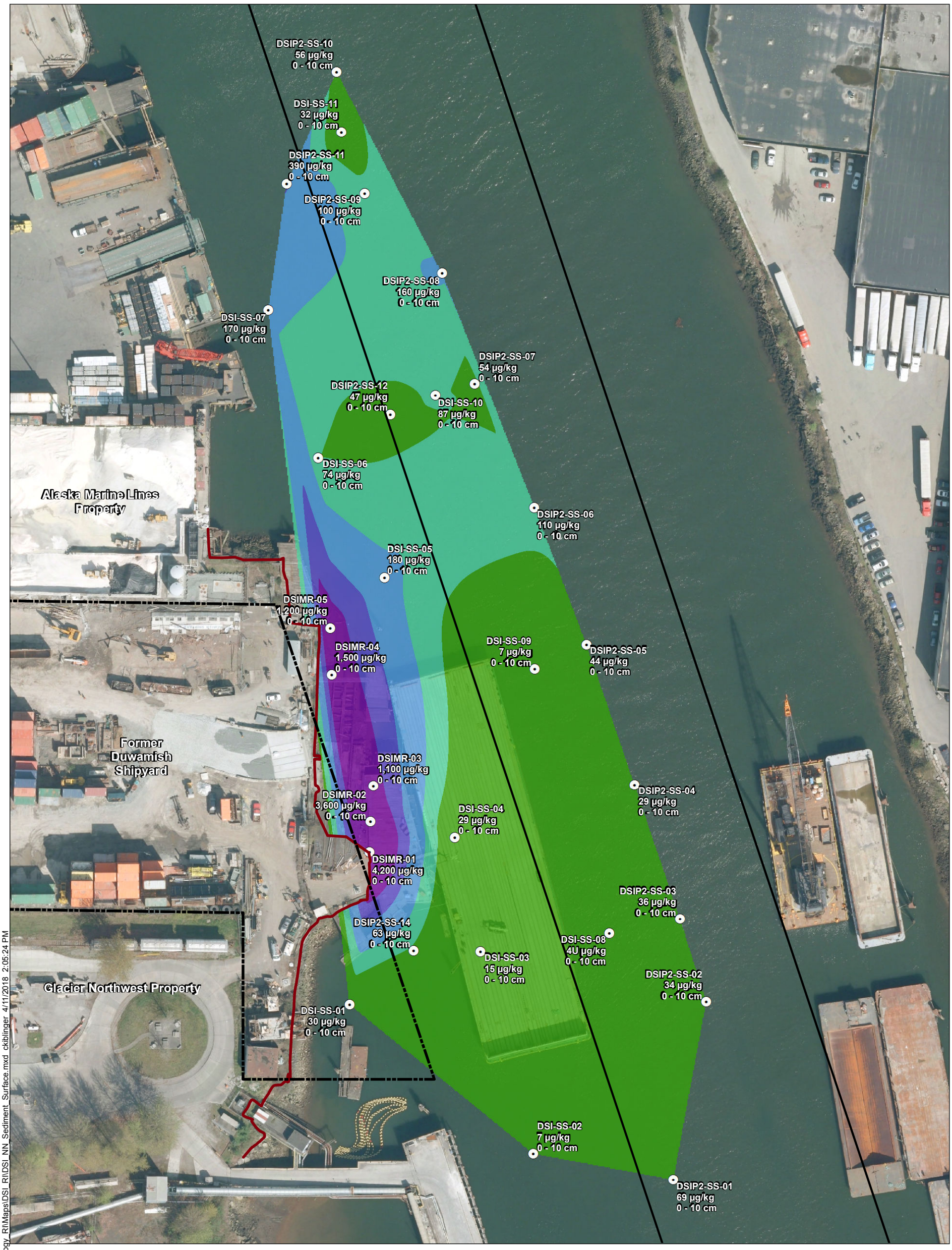


Figure 7-3f
Zinc in Subsurface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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Tributyltin (µg/kg)

- <73 (Screening Level)
- 73 - 146 (x2)
- 146 - 365 (x5)
- 365 - 730 (x10)
- >730

Sediment Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval
- Top of Bank (Approximate)
- DSI Property Boundary
- Federal Navigation Channel

NOTES:

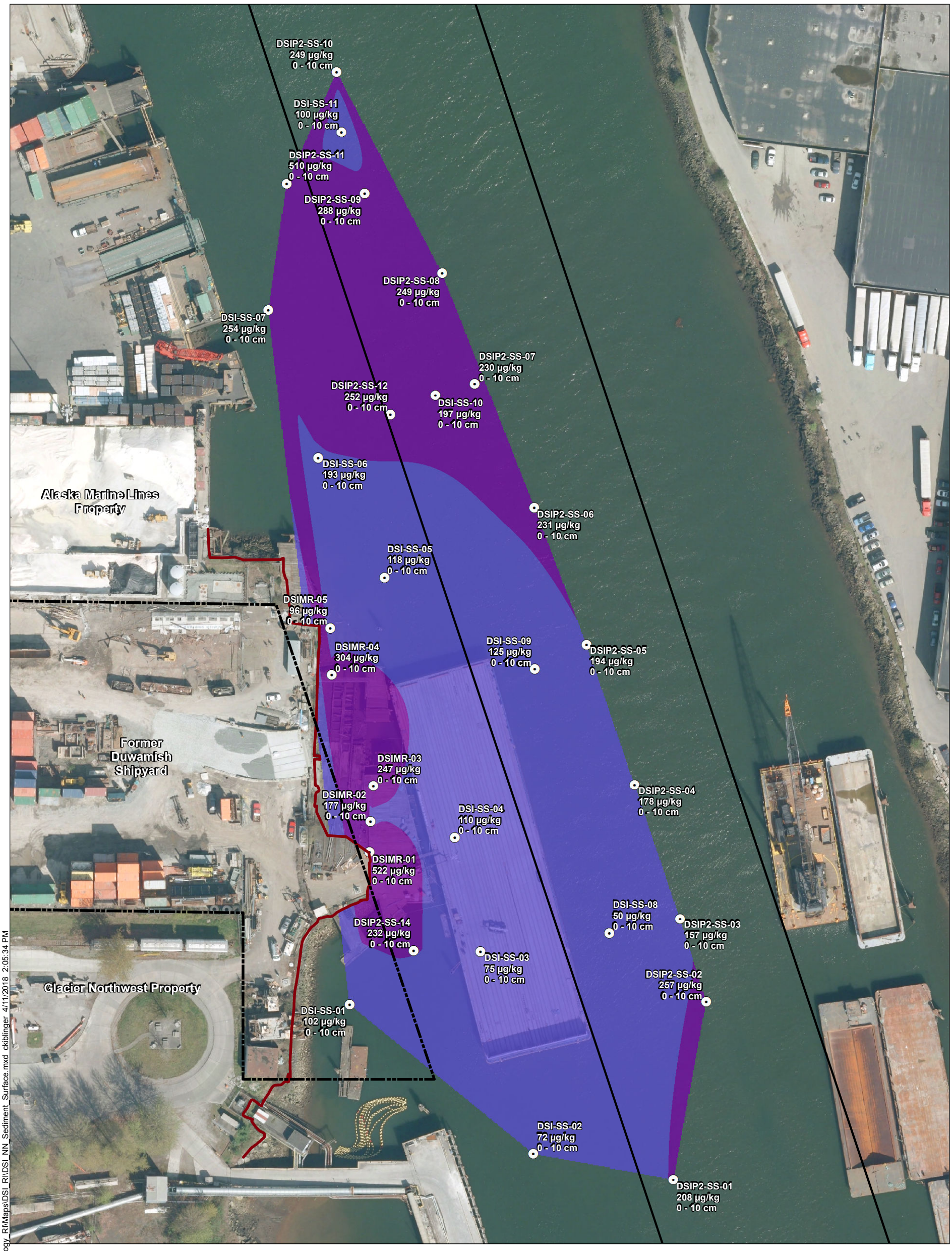
1. The maximum concentration at each sediment location was used for contouring at a depth of 0 to 10 centimeters.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.
3. The screening level (73 µg/kg) is based on the bioaccumulation threshold from the DMMP User's Manual.

Feet
0 50 100

ANCHOR QEA

Figure 7-3g
Maximum concentrations of Tributyltin in Surface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.

Figure 7-3h
Tributyltin in Subsurface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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Total PCB Aroclors (U = 0) (µg/kg)

- <2 (Screening Level)
- 2 - 20 (10x)
- 20 - 200 (100x)
- >200

Sediment Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval
- Top of Bank (Approximate)
- DSI Property Boundary
- Federal Navigation Channel

NOTES:
1. The maximum concentration at each sediment location was used for contouring at a depth of 0 to 10 centimeters.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.
3. The screening level (2 µg/kg dry weight) is based on the natural background concentration.

Feet
0 50 100

Figure 7-3i
Maximum concentrations of Total PCB Aroclors in Surface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.

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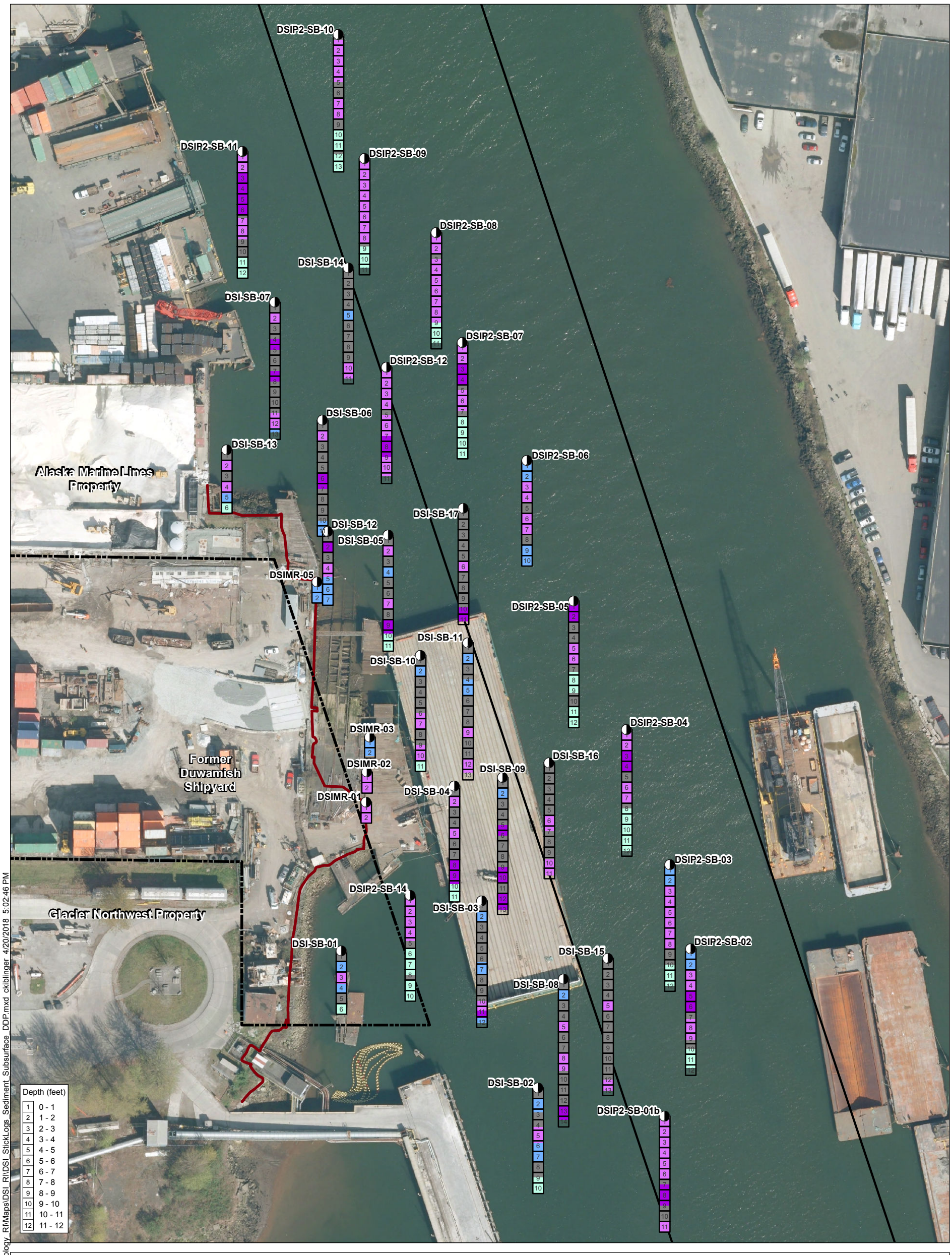

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◑ Sediment Sampling Location

Total PCB Aroclors (U=0, µg/kg)

- <2 (Screening Level)
- 2 - 20
- 20 - 200
- 200 - 1,000
- >1,000
- No Data

Top of Bank (Approximate)

DSI Property Boundary

Federal Navigation Channel

NOTES:
1. The full reporting limit for non-detects was used for data screening purposes.
2. The screening level (2 µg/kg dry weight) is based on the natural background concentration.

Feet
0 50 100

ANCHOR QEA

Figure 7-3j
Total PCB Aroclors in Subsurface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.

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Total PCB Aroclors (U = 0) (mg/kg-OC)

- <12 (RAL)
- 12 - 24
- >24

Sediment Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval

- Top of Bank (Approximate)
- DSI Property Boundary
- Federal Navigation Channel

NOTES:

1. The maximum concentration at each sediment location was used for contouring at a depth of 0 to 10 centimeters.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.
3. The Remedial Action Level (RAL) from the Final Record of Decision for the Lower Duwamish Waterway Superfund Site for intertidal sediment are used to define the upper contour.
4. RAL = Remedial Action Level from the LDW ROD (EPA 2014).

Feet
0 50 100

ANCHOR QEA

Figure 7-3k
Maximum concentrations of Total PCB Aroclors, OC-normalized in Surface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.

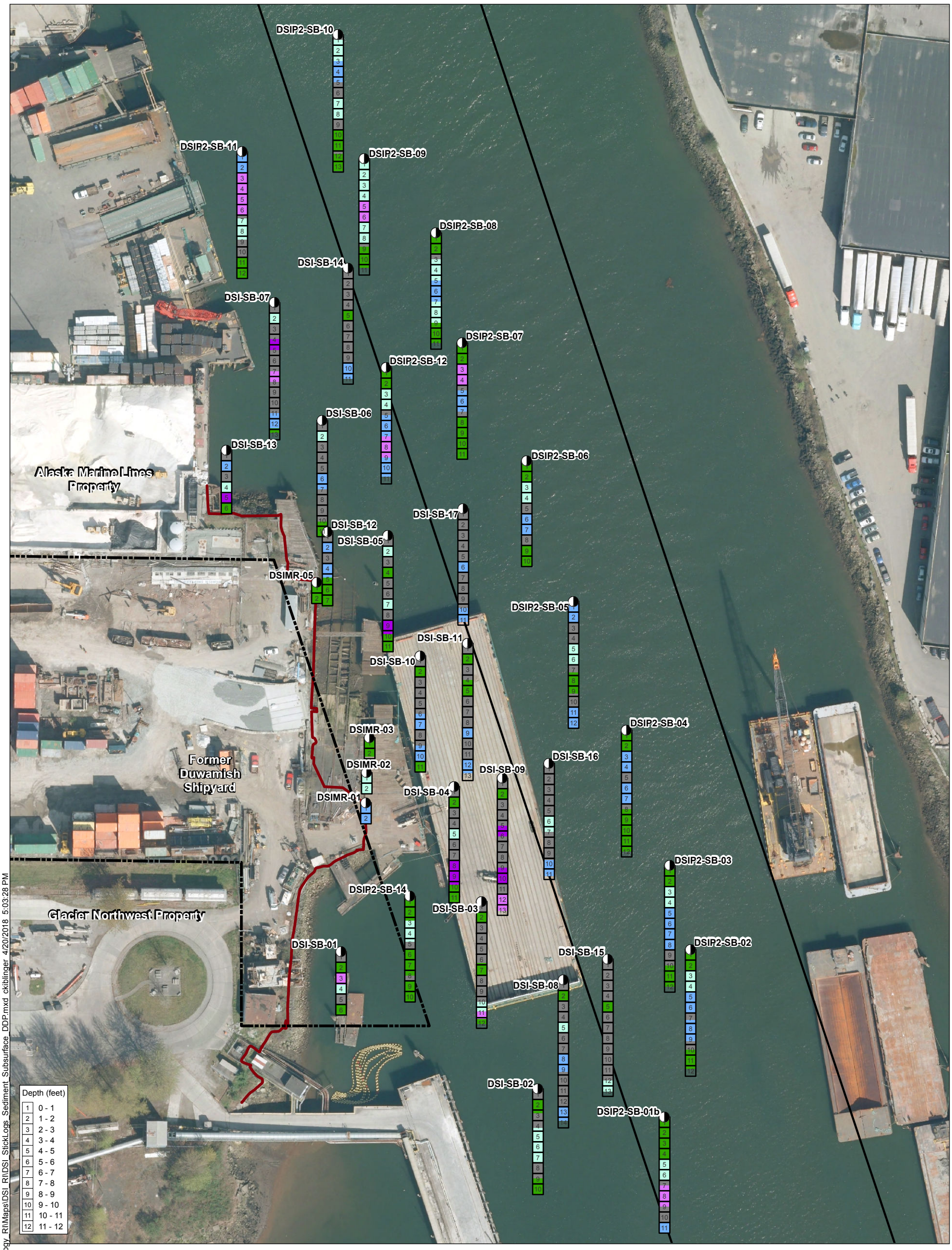

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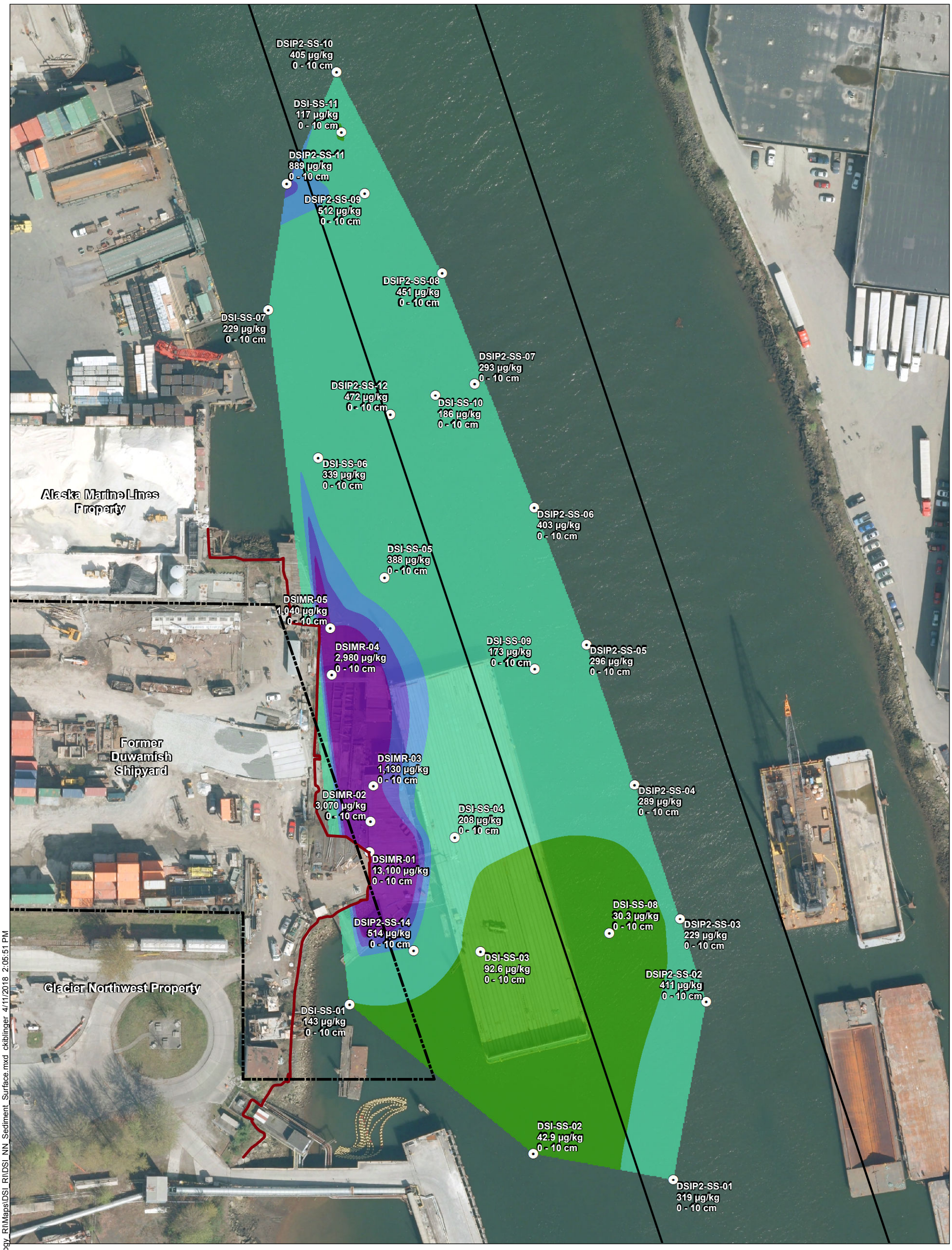
Figure 7-3l
Total PCB Aroclors, OC-normalized in Subsurface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0) (µg/kg)

- <150 (Screening Level)
- 150 - 570 (1.5x)
- 570 - 760 (2x)
- 760 - 1000 (RAL)
- >1000

Sediment Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval
- Top of Bank (Approximate)
- DSI Property Boundary
- Federal Navigation Channel

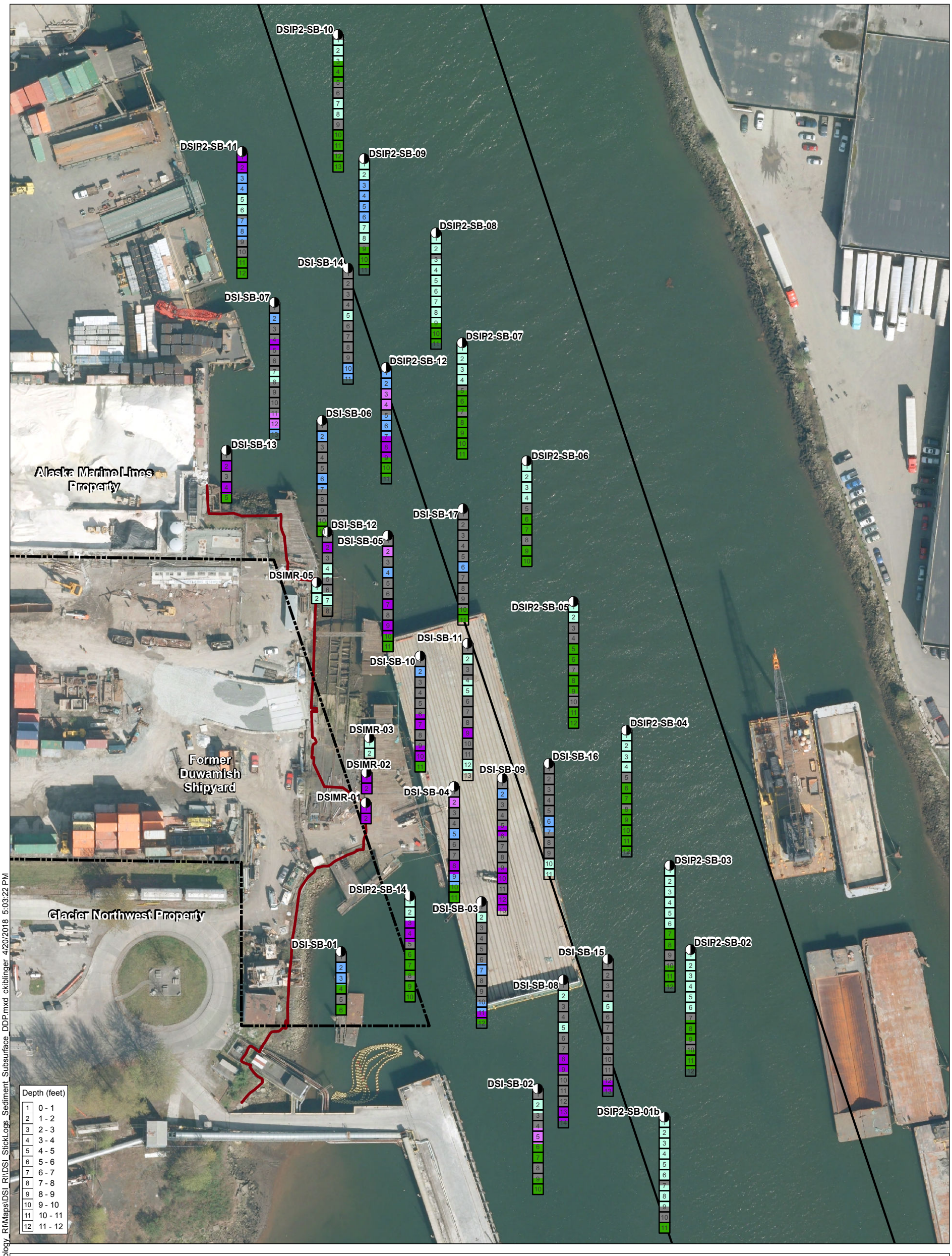
NOTES:

1. The maximum concentration at each sediment location was used for contouring at a depth of 0 to 10 centimeters.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.
3. The Remedial Action Level (RAL) from the Final Record of Decision for the Lower Duwamish Waterway Superfund Site for intertidal sediment are used to define the upper contour.
4. The screening level (150 µg/kg dry weight) is the risk-based threshold concentration from the ROD (EPA 2014).

Feet
0 50 100

ANCHOR QEA

Figure 7-3m
Maximum concentrations of Total cPAH TEQ in Surface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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◑ Sediment Sampling Location

Total cPAH TEQ

(7 minimum CAEPA 2005, U=0, µg/kg)

- <150 (Screening Level)
- 151 - 380
- 381 - 760
- 761 - 1,000 (RAL)
- >1,000
- No Data

Top of Bank (Approximate)

DSI Property Boundary

Federal Navigation Channel

NOTES:

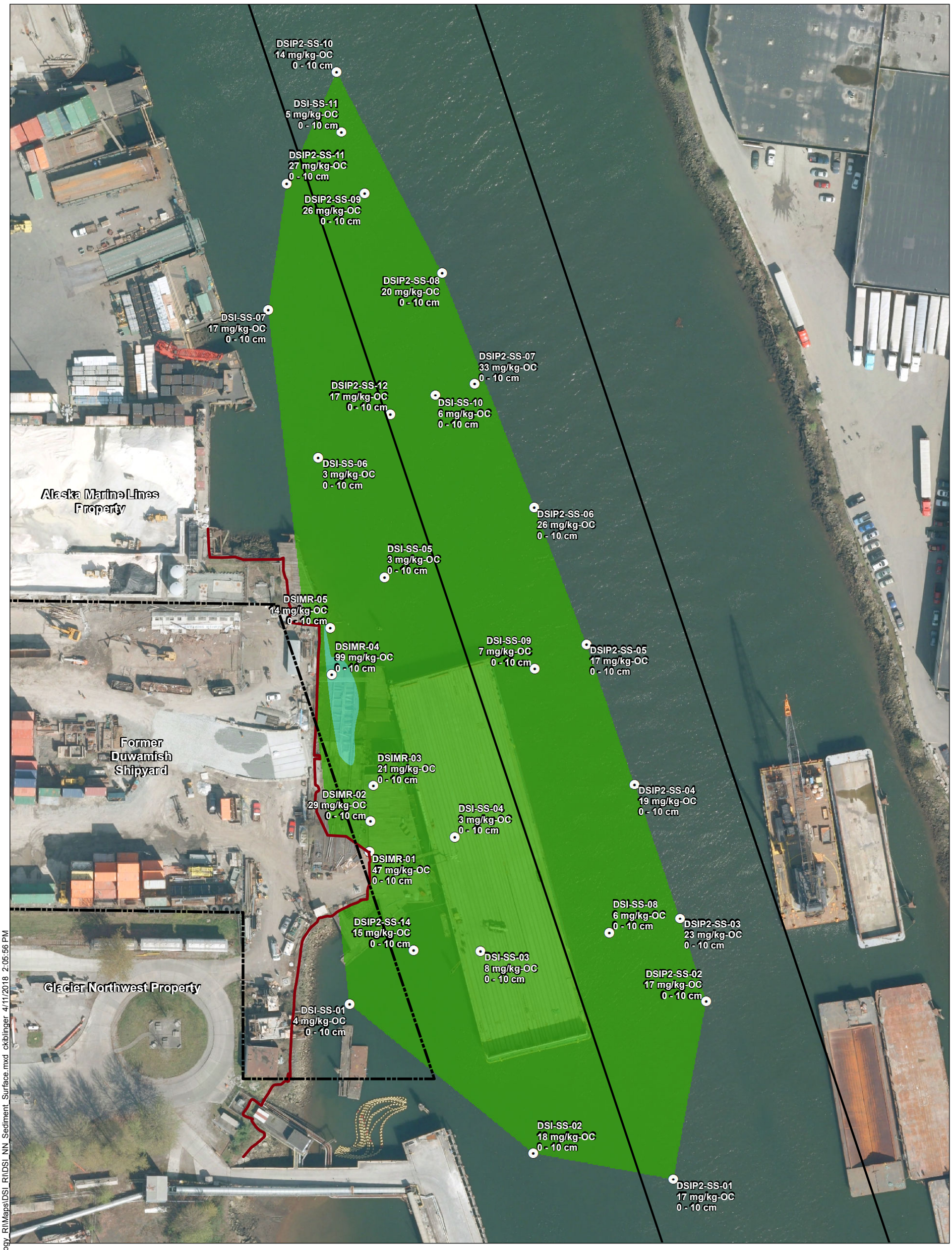
1. The full reporting limit for non-detects was used for data screening purposes.
2. The screening level (150 µg/kg dry weight) is the risk-based threshold concentration from the ROD (EPA 2014).
3. RAL = Remedial Action Level from the Final Record of Decision for the Lower Duwamish Waterway Superfund Site (EPA 2014).

Feet

0 50 100

Figure 7-3n
Total cPAH TEQ in Subsurface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.

ANCHOR QEA



\\orcas\gis\Jobs\DuwamishShipyardInc_0111\DSI_Ecology_RI\Maps\DSI_RI\DSI_NN_Sediment_Surface.mxd ckiblinger 4/11/2018 2:05:56 PM

Bis(2-Ethylhexyl)phthalate (mg/kg-OC)

- <47 (Screening Level)
- 47 - 94 (x2)
- 94 - 235 (x5)
- 235 - 470 (x10)
- >470

Sediment Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval
- Top of Bank (Approximate)
- DSI Property Boundary
- Federal Navigation Channel

NOTES:
1. The maximum concentration at each sediment location was used for contouring at a depth of 0 to 10 centimeters.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.
3. The screening level (47 mg/kg OC-normalized) is based on the WA SMS Benthic SCO (WAC 173-204).

Feet
0 50 100

ANCHOR QEA

Figure 7-3o
Maximum concentrations of Bis(2-Ethylhexyl)phthalate in Surface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.

\\orcas\gis\Jobs\DuwamishShipyardInc_0111\DSI_Ecology_RI\Maps\DSI_RI\DSI_StickLogs_Sediment_Subsurface_DDP.mxd ckiblinger 4/20/2018 5:03:04 PM

Figure 7-3p
Bis(2-Ethylhexyl)phthalate in Subsurface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.

ANCHOR QEA

Benzyl alcohol (µg/kg)

- <57 (Screening Level)
- 57 - 114 (x2)
- 114 - 285 (x5)
- 285 - 570 (x10)
- >570

Sediment Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval
- Top of Bank (Approximate)
- DSI Property Boundary
- Federal Navigation Channel

NOTES:
1. The maximum concentration at each sediment location was used for contouring at a depth of 0 to 10 centimeters.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.
3. The screening level (57 µg/kg dry weight) is based on the WA SMS Benthic SCO (WAC 173-204).

Feet
0 50 100

\\orcas\gis\Jobs\DuwamishShipyardInc_0111\DSI_Ecology_RI\Maps\DSI_RI\DSI_NN_Sediment_Surface.mxd ckiblinger 4/11/2018 2:06:02 PM

Figure 7-3q
Maximum concentrations of Benzyl Alcohol in Surface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.

ANCHOR QEA

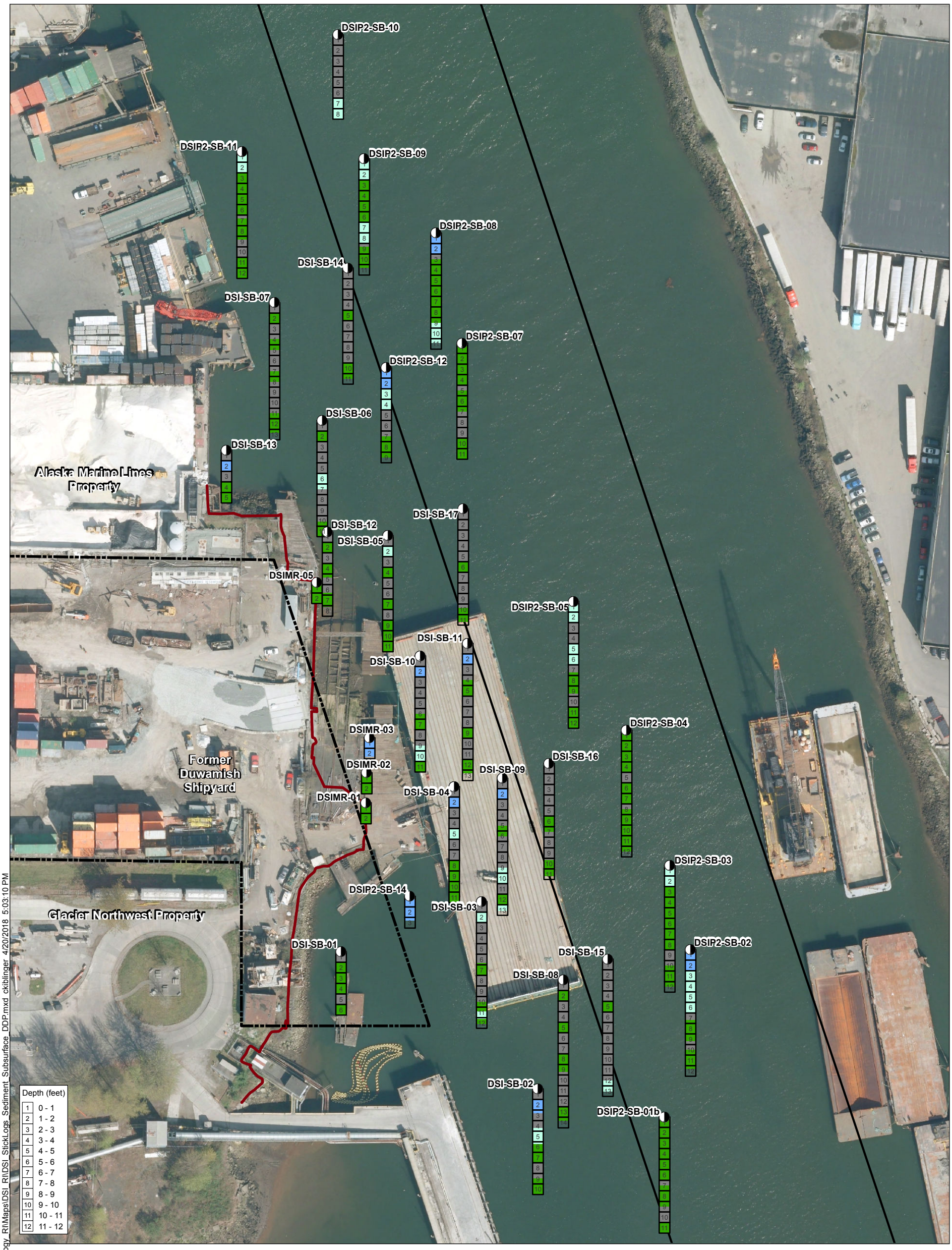
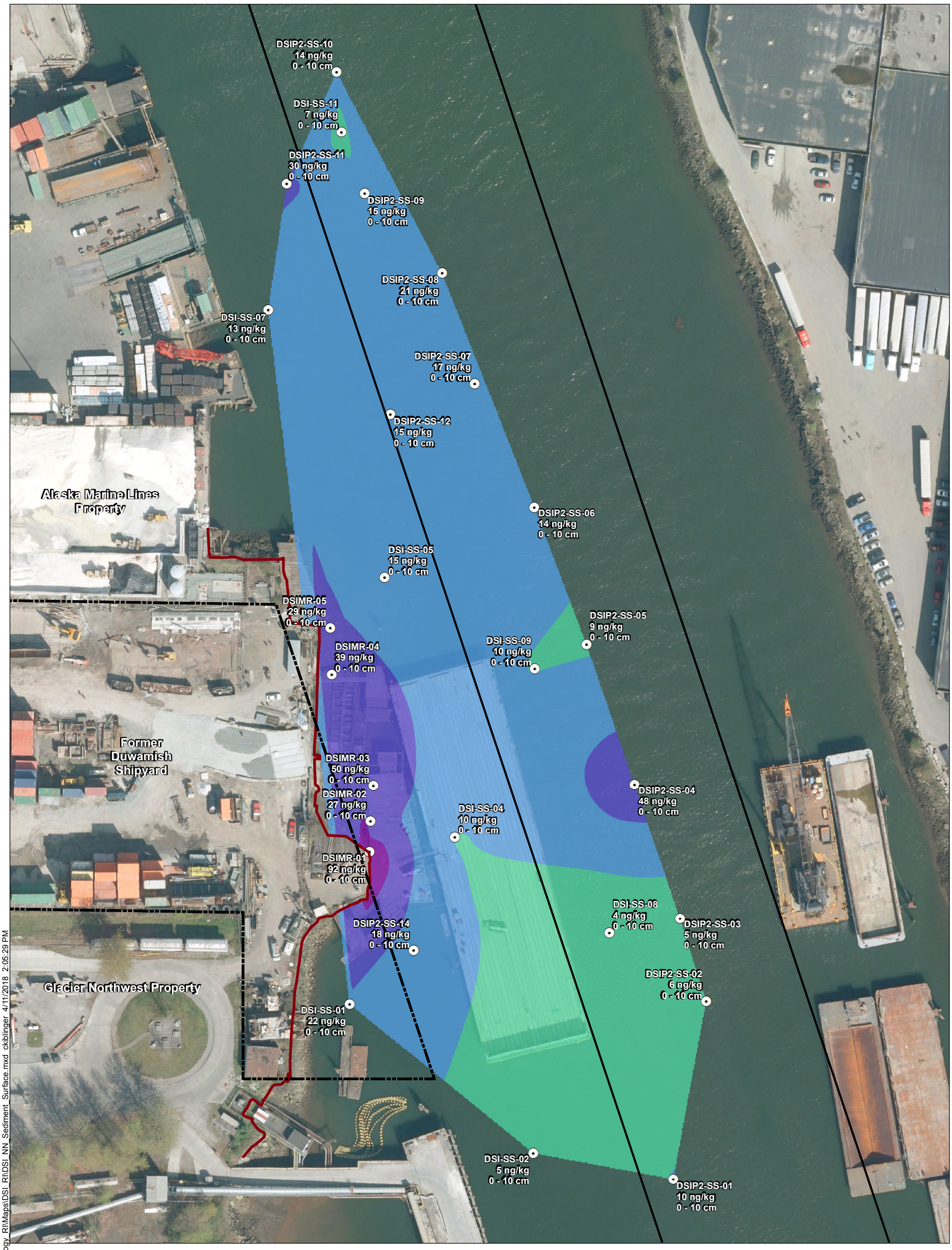


Figure 7-3r
Benzyl Alcohol in Subsurface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.

ANCHOR QEA



\\orcas\gis\Jobs\DuwamishShipyardInc_0111\DSI_Ecology_RI\Maps\DSI_RI\DSI_NN_Sediment_Surface.mxd ckiblinger 4/11/2018 2:05:29 PM

Total Dioxin/Furan TEQ 2005 (Mammal)
(U = 0, ng/kg)

- <2 (Screening Level)
- 2 - 10
- 10 - 25 (RAL)
- 25 - 50
- >50

Sediment Sampling Location

- Location ID
  Maximum Concentration
  Depth of Sample Interval
- Top of Bank (Approximate)
- DSI Property Boundary
- Federal Navigation Channel

NOTES:
1. The maximum concentration at each sediment location was used for contouring at a depth of 0 to 10 centimeters.
2. The full reporting limit for non-detects (identified with U qualifier) was used for data contouring purposes.
3. The Remedial Action Level (RAL) from the Final Record of Decision for the Lower Duwamish Waterway Superfund Site for intertidal sediment are used to define the upper contour.
4. The screening level (2 µg/kg dry weight) is based on the natural background concentration.

Feet
0 50 100

ANCHOR QEA

Figure 7-3s
Maximum concentrations of Total Dioxins/Furans in Surface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.

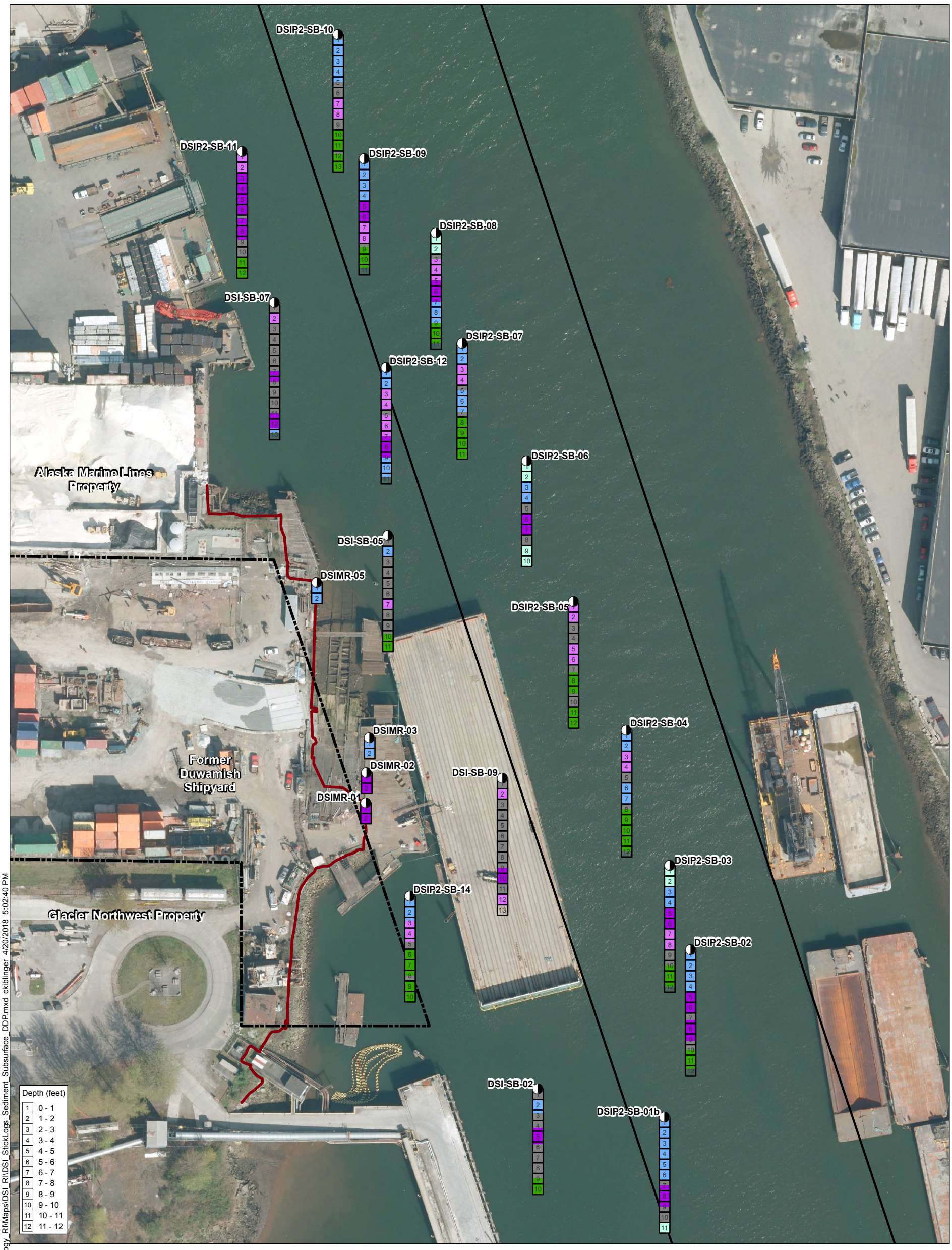


Figure 7-3t
Total Dioxins/Furans in Subsurface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.

ANCHOR QEA

Figure 7-3u
1,2-Dichlorobenzene in Subsurface Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.

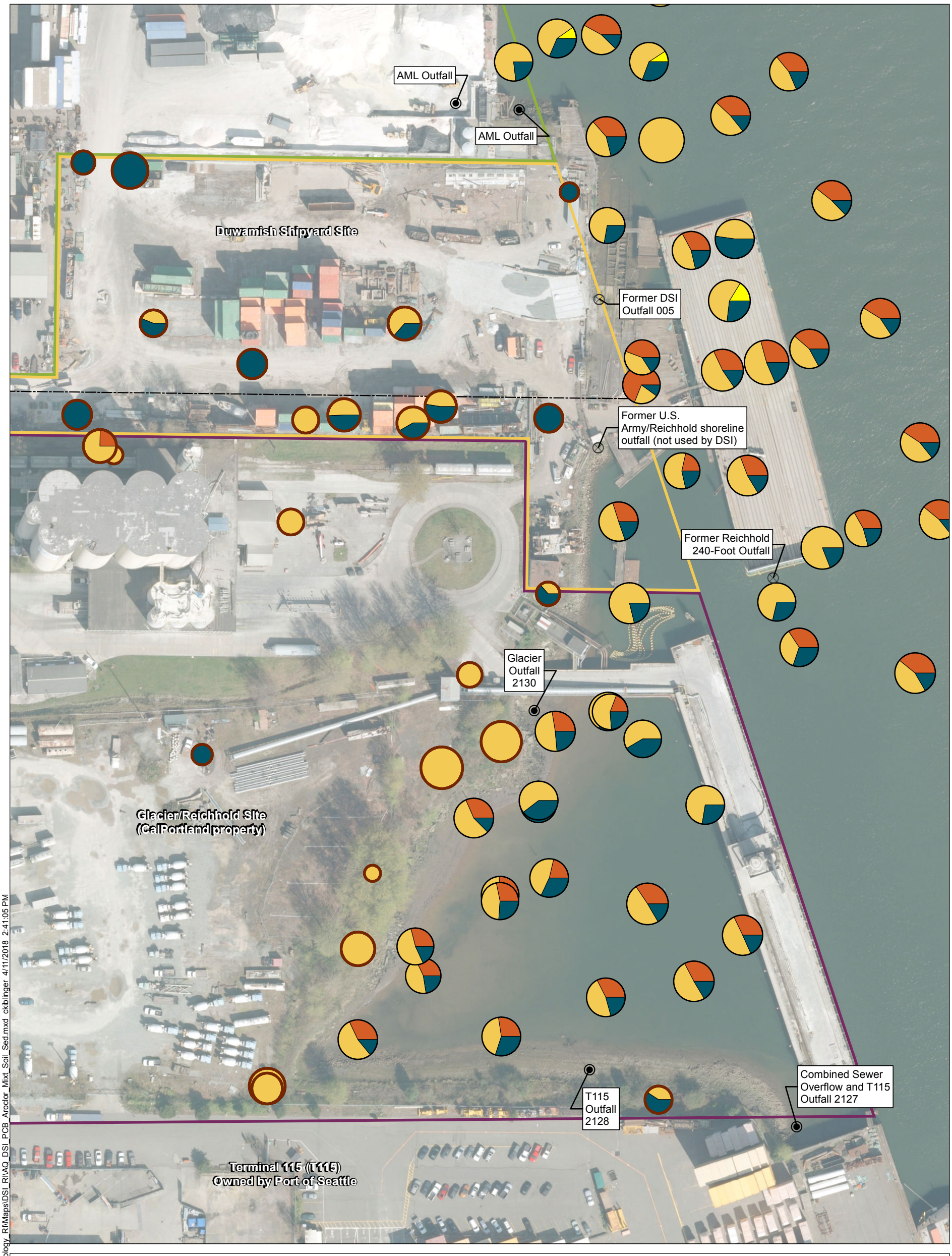
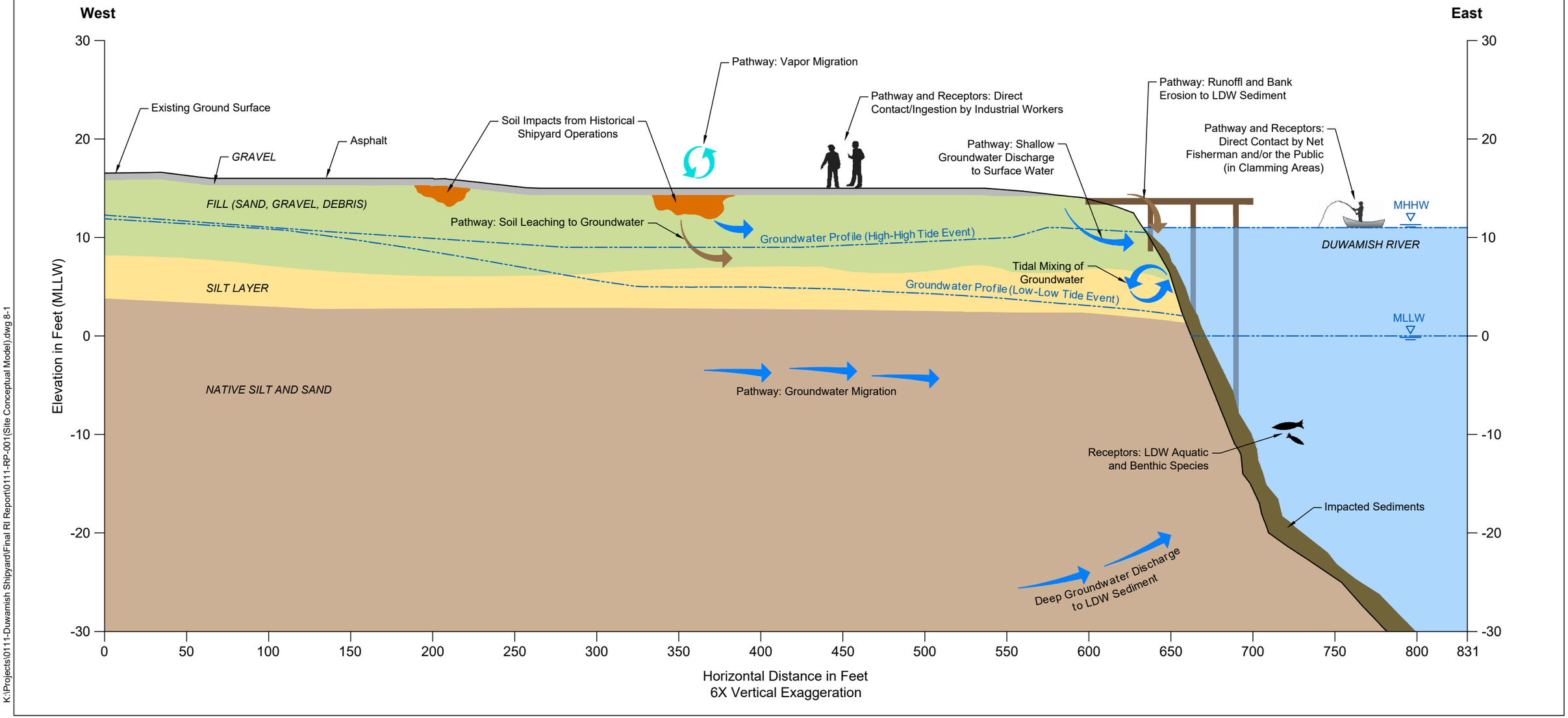


Figure 7-4
PCB Aroclor Mixtures in Soil and Sediment
Public Review Draft RI Report
Duwamish Shipyard, Inc.



K:\Projects\0111-Duwamish Shipyard\Final RI Report\0111-RP-001(Site Conceptual Model).dwg 8-1

Apr 03, 2018 10:55am hmerrick

HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.
NOTE: Upland groundwater levels range from approximately 4 to 11 feet bgs with lower water levels at the nearshore area during low tide. Fluctuation, seasonal and tidal, is on the order of 2 feet.

Scale in Feet
0 60 120
0 10 20
Vertical Scale in Feet
Exaggeration x6

ANCHOR QEA

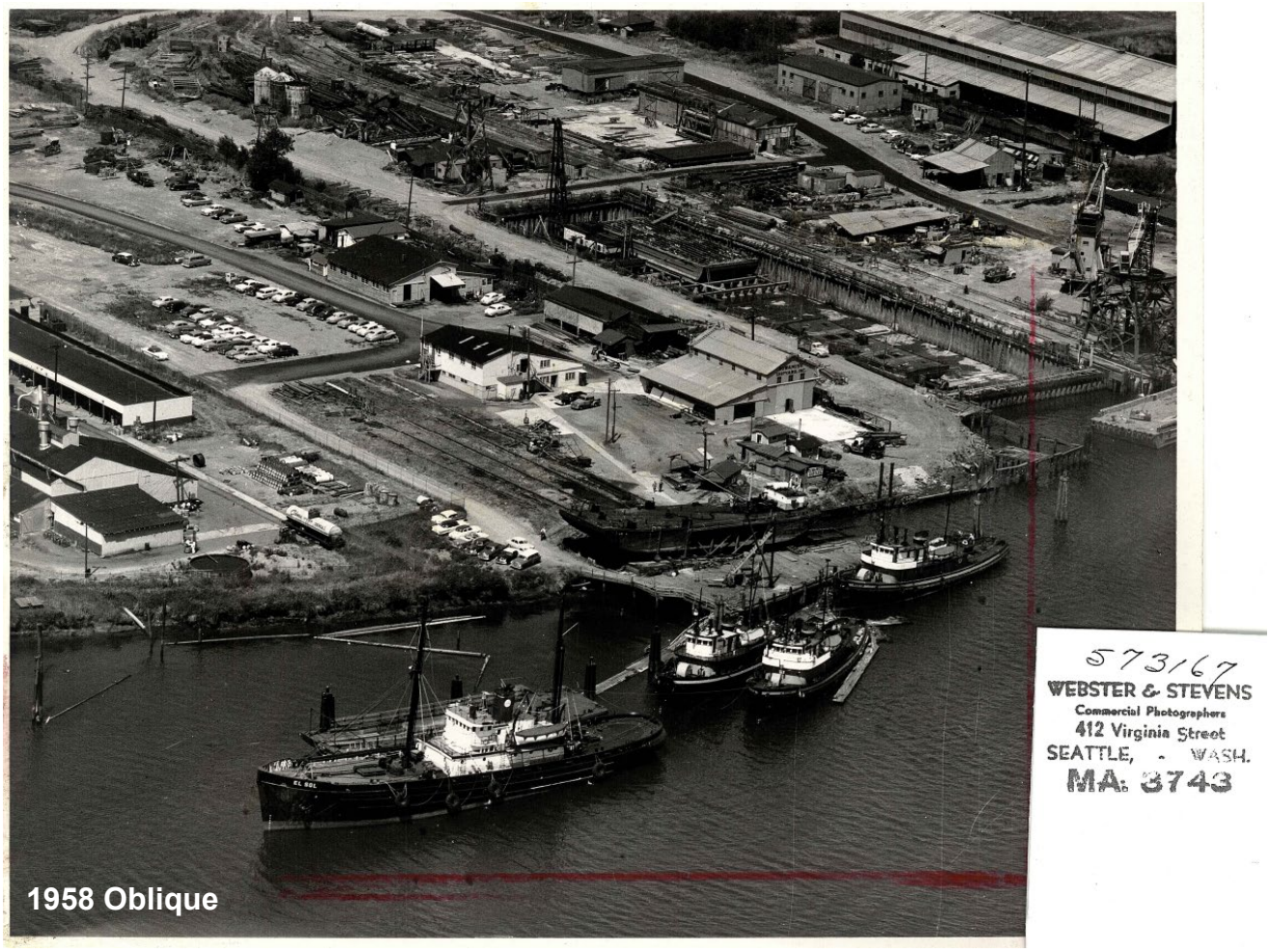
Figure 8-1
Site Conceptual Model
Public Review Draft RI Report
Duwamish Shipyard, Inc.

APPENDIX A
HISTORICAL AERIAL PHOTOGRAPHS


1936 Walker & Associates


1946 Walker & Associates


1956 Walker & Associates


573167
WEBSTER & STEVENS
Commercial Photographers
412 Virginia Street
SEATTLE, - WASH.
MA. 3743
1958 Oblique


1960 Walker & Associates


1969 Walker & Associates


1974 Walker & Associates

APPENDIX B
HISTORICAL OPERATION MAPS

APPENDIX B-1
SITE PLAN FROM GLACIER/REICHHOLD SITE RI/FS WORK PLAN

Project No. 0128296.04
Date: 09/26/11
Drawn By: R. Olson
CAD File: G:_0128296\04\01282960408.dwg

San. Sewer Easement
Property Boundary Line
ELECTRIC SHOP
WAREHOUSE
WOOD SHOP
TANKS
LAB
OLD LAB
AMMONIA STORAGE SHED
LUNCH ROOM
LABORATORY
Shipping
SHED
STORAGE
HAZARDOUS WASTE STORAGE AREA
FORMER SEPTIC TANK
OFFICE
PAINT SHOP
WASTE OIL
SOLVENT STILL
PAINT MIXING SHED
WAREHOUSE
DRUM STORAGE
LOADING PLATFORM & SHED
EXISTING SEATTLE CITY LIGHT TRANSFORMER #CS375
Rail Silo
Tanks
Truck Wash
14.1 Additional Parking
MAIN OFFICE
FORMER BUILDING 7 ENCLOSURE TRANSFORMER
LABORATORIES
WOMEN'S SERVICE
CONTROL LABORATORY
LABORATORY MEN'S SERVICE
MACHINE SHOP DRY CHEMICAL STORAGE
WHETLERITE BLDG.
REACTOR BUILDING
Storage Silos
CHARCOAL (CARBON) BLDG.
PRESTO LOG STORAGE
DRY CHEMICAL STORAGE
STORAGE
BARREL STORAGE WAREHOUSE
GATE HOUSE
DRUMING SCALE
DRY SPRINKLER SYSTEM
Deed Line
Paved
CARPENTER SHOP
FORMER NORTH DITCH
FORMER SECOND PCP PILOT PLANT
SAWDUST STORAGE
EXISTING DITCH
Parking
Load-out Silos
LAB
IWAT PLANT OFFICE
FORMER PHENATE PROCESS BOILER ROOM/MACHINE SHOP
DRUM STORAGE
Maintenance Building
Existing Office
DOUBLE DRUM DRYER
COOLING TOWER
CONTROL ROOM
BOILER
UST
EXISTING DITCH
MW-16
MW-1D
MW-5S
MW-1S
MW-4S
AST
BOILER HOUSE
FORMER FIRST PCP PILOT PLANT
MW-7S
TRANSFORMER
FORMER BOILER HOUSE TRANSFORMER
MW-6S
FORMER SEATTLE CITY LIGHT TRANSFORMER SITE
FORMER SEATTLE CITY LIGHT TRANSFORMER SITE
FORMER TANK FARM #1
FORMER FENCE LINE
FORMER TANK FARM #2
MW-22
MW-17
FORMER WASHWATER IMPOUNDMENT AREA
MW-10
MW-11
MW-2D
MW-12
MW-2S
FORMER DITCH
MW-13
MW-14
MW-23
MW-21
FORMER DRAINAGE DITCH
MW-19
FORMER KAISER BENTONITE AREA
Property Boundary Line
WEST MARGINAL WAY
Existing Aggregates
MW-24
MW-20
MW-18
MW-3D
MW-3S
MW-25
MW-26
MW-27
Property Boundary
Access to West Marginal Way
City of Seattle Storm Outfall Easement
Truck Entrance
SHED
Approximate Location of Existing DSI Storm Outfall
Former DSI Floating Dock
Former DSI Dry Dock
APPROXIMATE FORMER WASTE TREATMENT TANK
Float
DUST TRAP
FORMER 240-FOOT OUTFALL
SAND BLAST SHED
EXISTING SEATTLE CITY LIGHT TRANSFORMER #CS368
EXISTING GLACIER NORTHWEST BATTEUS STANDARD INC. TRANSFORMER
Lonestar Dredging - 1995
Exist Conc Dock 55' x 500'
Existing Storm Outfall
Existing Transfer Tower
Docksider
EXISTING GLACIER NORTHWEST THREE DRY TRANSFORMERS AND SIX CAPACITORS
Existing Piles
Duwamish Waterway
Glacier Northwest Dredging - 2005
10,000 Ton Barge
Line of Mean High Water (El 7.82 NAVD88)
Embayment
Approximate Location of Existing Port of Seattle T115 Storm Outfall
Former City of Seattle SPU Stormwater Discharge Location
Existing City of Seattle Storm Outfall
City of Seattle Storm Outfall Easement

N

0 50 100
FEET

Existing Monitoring Well Locations
- Shallow Monitoring Well
- Deep Monitoring Well
- Property Line

Features Color Key
- BLUE — Former Army Buildings & Features
- BROWN — Former Reichhold Features
- GREEN — Former Kaiser Bentonite Area
- MAGENTA — Duwamish Shipyard Features
- GRAY — Existing Buildings & Features

Figure 1-2
Site Plan
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington
ERM 09/11

APPENDIX B-2
DEPARTMENT OF THE ARMY REAL ESTATE MAP

LAND MANAGEMENT

PROJECT MAP

AGENCY: DEPARTMENT OF THE ARMY

STATE WASHINGTON

COUNTY KING

DIVISION NORTH PACIFIC

DISTRICT SEATTLE

ARMY AREA SIXTH

LOCATION OF PROJECT

IN ~~MILES~~ ~~OF~~ SEATTLE

~~MILES~~ OF

TRANSPORTATION FACILITIES

RAILROADS

STATE ROADS

FEDERAL ROADS

AIR LINES

ACQUISITION

TOTAL ACRES ACQUIRED

ACRES FEE

ACRES TRANSFERRED

ACRES LEASED

ACRES LESSER INTERESTS

DISPOSAL

TOTAL ACRES DISPOSED OF

ACRES SOLD

ACRES TRANSFERRED

ACRES LEASES TERMINATED

ACRES LESS. INT'S. TERMINATED

ACRES REASSIGNED

ACRES TO

LEGEND

EXCEPT FOR THE SPECIAL SYMBOLS SHOWN BELOW, MAP SYMBOLS ARE STANDARD IN ARMY MAP SERVICE TECHNICAL MANUAL NO. 25.

RESERVATION LINE

RESERVATION LINE (Actual Survey)

TRACT BOUNDARY LINE

TRACT NUMBER

AVIGATION EASEMENT

CONTOUR LINE

DISPOSAL

LEGEND

Gov't. Property

Gov't. Property Removed

Reichold Chem. Inc. Property

Gravel filled Drainage Ditch

Open ditch

Tract 3-E 0.145 ac. Easement from Gen. Constr. Co.

Tract 2-E 0.032 ac. Easement from Duwamish Shipyard Co.

BUILDING LEGEND

1 - Presto Log Storage
2 - Charcoal Carbon
3 - Impregnating Plant
4 - Storage
5 - Womens Service & First Aid
6 - Control Laboratory – 2 Units
7 - Transformer Enclosure
8 - Mens Service & First Aid
9 - Warehouse
10 - Office
11 - Boiler Room & Shop
12 -
13 - Experimental Laboratory
14 - Storage
15 -
16 -
17 - Septic Tank
18 - Auto. Sprinkler Valve
19 - Tanks
20 - Sawdust Storage
21 - New Boiler Room
22 - Oil Storage Tank
23 - Underground Gasoline Storage Tank & Pump

Open Ditch
R.R. Gate
R.R. Spur No. 4
PIPE TRESTLE OVERPASS
R.R. Spur No. 3
Gate No. 1
ACCESS ROAD
Parking Area
Fee Title acquired subject to Easement to N.P. Ry. Co. dated 31 March 1942 for spur track
Gate No. 2
TRACT NO. 1
15.60 Ac.
PIPE TRESTLE
HYDRANT
S.T.
2" GAS LINE
HIGH VOLTAGE LINES
VALVE BOX
R.R. Spur No. 2
GRAVEL & CRUSHED ROCK SURFACE FILL
Gate No. 3
Easement to N.P. Ry. Co. dated 11 October 1956.
WEST MARGINAL WAY
Gas line
Fire line, water
Service line, water
Drainage
55'±
590'±
3' Gate
SCALED
West Line Commercial Waterway
S13°45'54"W
Old Meander Line Duwamish River - Easterly Boundary Government Owned Tract Westerly Boundary of Commercial Waterway District No. 1 Property
S32°51'01"W 393.3'
S29°07'49"W 145'±

DATE	REVISIONS	BY
29 Sept. 61	Revised to current status after restoration by lessee.	RGG
29 Sept. 61	Revised Boundary Line per survey data	L.F.
8 Oct. '57	Added gas line. Deleted impounding basin.	
1 Oct 57	Revise reservation line	H2
6 July 56	Brought up to date	CMB
26 Jan. 56	Condition to date	CMB

DEPARTMENT OF THE ARMY
OFFICE OF THE SEATTLE DISTRICT ENGINEER
NORTH PACIFIC DIVISION

DRAWN BY CMB
TRACED BY CMB
CHECKED BY
SUBMITTED BY:
RECOMMENDED BY:
APPROVED BY:
DATE 26 Jan. 1956

REAL ESTATE

SEATTLE CHEMICAL CORES REAL ESTATE
MILITARY RESERVATION

OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D. C.

INSTALLATION OR PROJECT NO.

Scale 0 50 100 150 1" = 50'

SHEET 1 OF 1 DRAWING NO. SE RE 25.

APPENDIX C
RI FIELD LOGS AND SAMPLING DETAILS

APPENDIX C-1
FIELD LOGS

SEDIMENT CORE LOGS

Sediment Core Log

DSIMR-SB-01

Sheet 1 of 1

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW):	Penetration Depth (ft): **2.3**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL:** **DS:**	Field Recovery Length (ft): **2.2**
Collection Date: **7/23/2013**	Mudline Elevation (ft MLLW):	Process Date: **7/23/2013**
Contractor: **MSS**	Northing: **1268066.219** Easting: **204393.087**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Julia Fitts**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated In-situ Elevation (MLLW)
0				Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM	
				POORLY GRADED SAND (SP): 0.0-2.0ft: Loose, moist, black, 90% sand (medium), 10% fines (silt).	
				@0.2ft: Grades to light brownish gray. Piece of plastic.	
				@0.5ft: Up to 2 inch diameter gravel.	14.0
				@0.7ft: Grades to wet, dark gray; slight hydrocarbon-like odor.	
1	DSIMR-SB-01-0-2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0.3		
				@1.4ft: Grades to medium stiff, black; moderate hydrocarbon-like odor.	13.0
				2.0ft: Grades to 15-20% silt content. End of core @ 2.0ft.	
2					

ANCHOR QEA
720 Olive Way, Suite 1900
Seattle, WA 98101
206-287-9130

Notes:
1. Attempt 1 of 1.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
93%

Sediment Core Log

DSIMR-SB-02

Sheet 1 of 1

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW):	Penetration Depth (ft): **2.2**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL:** **DS:**	Field Recovery Length (ft): **1.8**
Collection Date: **7/24/2013**	Mudline Elevation (ft MLLW):	Process Date: **7/24/2013**
Contractor: **MSS**	Northing: **1268066.944** Easting: **204421.571**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Julia Fitts**

Recovered Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated In-situ Elevation (MLLW)
				Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM	
0				POORLY GRADED SAND WITH GRAVEL (SP): 0.0-0.4ft: Loose, wet, dark brown, 80% sand (medium), 15% gravel (fine), 5% fines (silt). Trace organic matter (sticks, <5%).	
				@0.3ft: 0.1 inch layer of rust-orange color.	
				POORLY GRADED SAND (SP): 0.4-1.6ft: Loose, wet, gray brown, 95% sand (medium), 5% gravel (fine). Trace organic matter (sticks, <5%).	
				@0.7ft: Dense, black, 90% sand (medium), 5% gravel (fine), 5% fines. Sight rainbow-like sheen. Moderate hydrocarbon-like odor. Occasional organic matter (sticks, wood fragments). Occasional biota (shells).	14.0
1	DSIMR-SB-02-0-2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	11.1	@1.4ft: Gray, 100% sand (fine to medium). No odor. No sheen.	
				SILT (ML): 1.6-1.8ft: Stiff, moist, tan brown, 90% fines (silt), 10% sand (fine). Slight hydrogen sulfide-like odor. Trace organic matter (sticks). End of core @ 1.8ft.	13.0

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Seattle, WA 98101
206-287-9130

Notes:
1. Attempt 1 of 1.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
81%

Sediment Core Log

DSIMR-SB-03

Sheet 1 of 1

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW):	Penetration Depth (ft): **1.3**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL:** **DS:**	Field Recovery Length (ft): **1**
Collection Date: **7/24/2013**	Mudline Elevation (ft MLLW):	Process Date: **7/24/2013**
Contractor: **MSS**	Northing: **1268069.67** Easting: **204454.653**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Julia Fitts**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated In-situ Elevation (MLLW)
0	DSIMR-SB-03-0-1.8	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	5.5	SILT WITH SAND (ML): 0.0-0.6ft: Soft, wet, black, 85% fines (silt), 10% sand, 5% gravel. Trace organic matter (wood pieces, 5%). Trace hydrogen sulfide-like odor.	13.0
1				SILT (ML): 0.6-1.0ft: Moist, stiff, tan brown, 95% fines (silt with minor clay) and 5% sand (fine). Trace organic matter (sticks, fibers). Slight hydrogen sulfide-like odor.	
				POORLY GRADED SAND (SP): 1.0-1.8ft: Dense, wet, gray, 100% sand (fine). No odor.	12.0
				End of core @ 1.8ft.	

ANCHOR QEA
720 Olive Way, Suite 1900
Seattle, WA 98101
206-287-9130

Notes:
1. Attempt 1 of 1.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
72%

Sediment Core Log

DSIMR-SB-05

Sheet 1 of 1

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW):	Penetration Depth (ft): **2.25**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL:** **DS:**	Field Recovery Length (ft): **1.6**
Collection Date: **7/23/2013**	Mudline Elevation (ft MLLW):	Process Date: **7/23/2013**
Contractor: **MSS**	Northing: **1268029.812** Easting: **204601.343**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Julia Fitts**

Recovered Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated In-situ Elevation (MLLW)
				Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM	
0				POORLY GRADED SAND WITH SILT (SM-SP): 0.0-0.2ft: Medium dense, wet, gray, 80% sand (medium), 10% gravel, 10% fines.	
				LEAN CLAY (CL): 0.2-0.3ft: Stiff, moist, light brown, 100% fines (clay). Organic matter (woody fragments, 5-10%). Slight hydrogen sulfide-like odor.	
				POORLY GRADED SAND (SP): 0.3-1.6ft: Medium dense, wet, dark gray, 95% sand (medium), 5% fines (silt). Slight hydrogen sulfide-like odor. Trace organic matter (sticks, <5%).	13.0
1	DSIMR-SB-05-0-2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	3.2		
				End of core @ 1.6ft.	12.0

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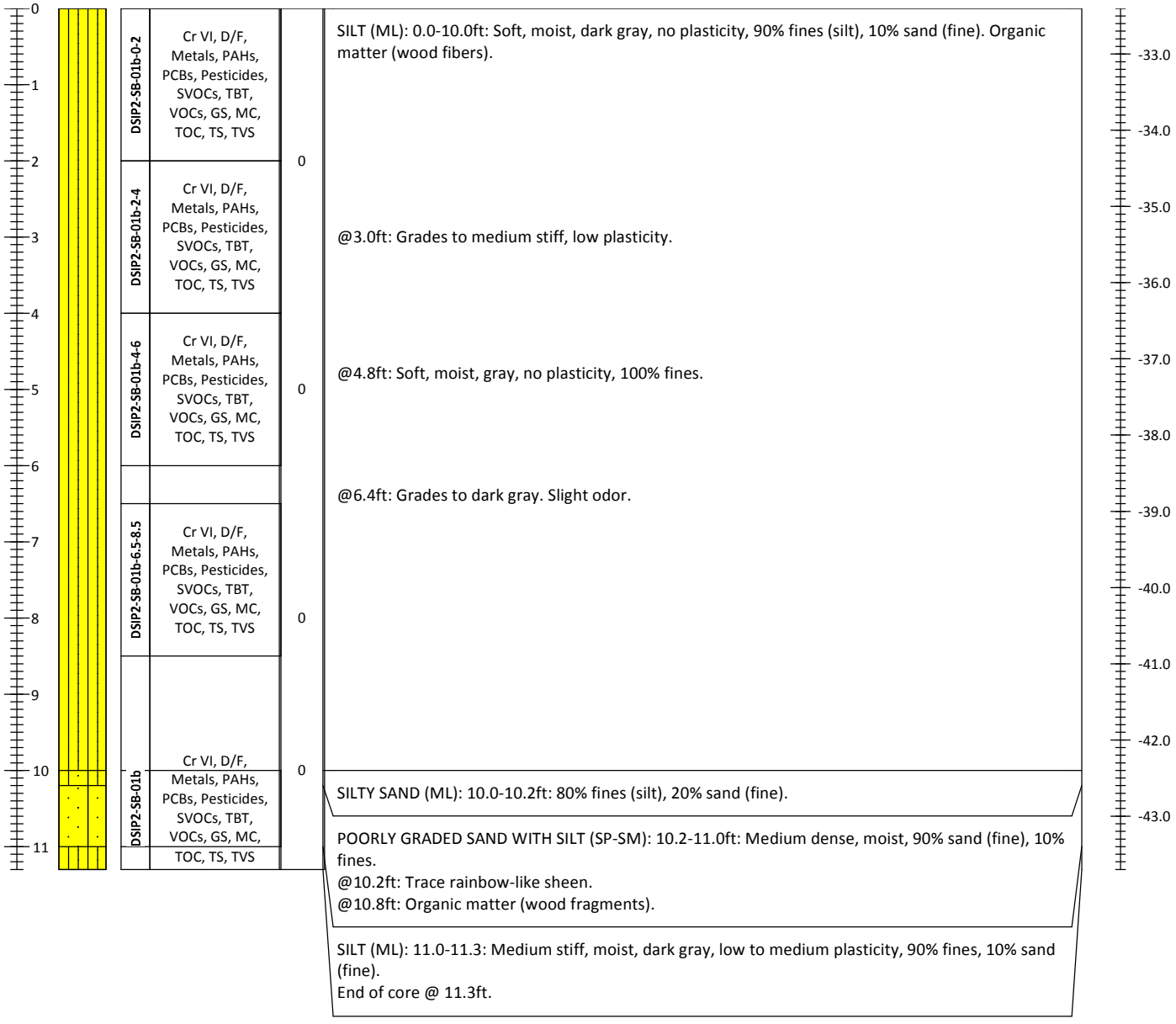
Notes:
1. Attempt 2 of 3.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
70%

Sediment Core Log

DSIP2-SB-01B

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **6.9**	Penetration Depth (ft): **14**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 39.3** **DS:**	Field Recovery Length (ft): **11.5**
Collection Date: **12/16/2013**	Mudline Elevation (ft MLLW): **-32.4**	Process Date: **12/18/2013**
Contractor: **MSS**	Northing: **204095.62** Easting: **1268348.79**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Nik Bacher**



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Notes:
1. Attempt 2 of 2.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
82.14%

Sediment Core Log

DSIP2-SB-02

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **9.1**	Penetration Depth (ft): **14**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 44.9** **DS:**	Field Recovery Length (ft): **11.3**
Collection Date: **12/12/2013**	Mudline Elevation (ft MLLW): **-35.8**	Process Date: **12/13/2013**
Contractor: **MSS**	Northing: **204254.08** Easting: **1268373.50**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Kara Hitchko**

Recovered Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM)	Estimated In-situ Elevation (MLLW)
0	DSIP2-SB-02-0-2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT (ML): 0.0-4.0ft: Soft, moist, dark gray, no plasticity, 90% fines, 10% sand (fine). Biota (shell fragments). Organic matter (leaf). @0.2ft: Organic matter (1 inch wood fragment). @0.3ft: Grades to medium stiff, low plasticity fines. @1.0ft: Anthropogenic debris (paint chip).	-36.0
1					
2	DSIP2-SB-02-2-4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0		-37.0
3				@3.2ft: Grades to 100% fines (no plasticity).	-38.0
4	DSIP2-SB-02-4-6	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT WITH SAND (ML): 4.0-7.0ft: 80% fines (silt), 20% sand (fine).	-39.0
5				@5.0ft: Sand content decreases downcore.	-40.0
6					-41.0
7	DSIP2-SB-02-6.7-8.7	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILTY SAND (ML): 7.0-8.8ft: Medium dense, moist, dark gray, 80% fines, 20% sand, with alternating layers of SANDY SILT (ML).	-42.0
8					-43.0
9			0	SILT (ML): 8.8-9.1ft: Layer of silt. Low to medium plasticity.	-44.0
10	DSIP2-SB-02-9.5-11.3	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS		@9.1-9.4ft: Void space POORLY GRADED SAND WITH SILT (SP-SM): 9.4-11.3ft: Medium dense, moist, dark gray, 85% sand (fine), 15% fines. End of core @ 11.3ft.	-45.0
11					-46.0
					-47.0

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Notes: 1. Attempt 1 of 1.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
80.71%

Sediment Core Log

DSIP2-SB-03

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **10**	Penetration Depth (ft): **14**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 45** **DS:**	Field Recovery Length (ft): **11.9**
Collection Date: **12/12/2013**	Mudline Elevation (ft MLLW): **-35**	Process Date: **12/13/2013**
Contractor: **MSS**	Northing: **204333.7** Easting: **1268353.78**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Kara Hitchko**

Recovered Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM)	Estimated In-situ Elevation (MLLW)
0	DSIP2-SB-03-0-2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT (ML): 0.0-4.0ft: Medium stiff, moist, dark gray, low plasticity, 90% fines, 10% sand (fine). Organic matter (wood fragments).	-35.0
1				@1.5ft: 1 inch layer containing biota (mussels). Grades to low to medium plasticity fines. Organic matter (wood fibers).	-36.0
2	DSIP2-SB-03-2-4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@2.0ft: Fine gravel, white.	-37.0
3				@3.2ft: Grades to soft, gray, no plasticity, 100% fines.	-38.0
4	DSIP2-SB-03-4-6	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT WITH SAND (ML): 4.0-5.0ft: Medium stiff, moist, dark gray, 80% fines (silt), 20% sand (fine).	-39.0
5				SILT (ML): 5.0-9.2ft: Grades to low plasticity, 95% fines (silt), 5% sand (fine). Sand content decreases.	-40.0
6	DSIP2-SB-03-6-8	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0		-41.0
7				@7.0ft: Sand content increases to 10%.	-42.0
8					-43.0
9			0		-44.0
10	DSIP2-SB-03-9.5-11.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS		POORLY GRADED SAND WITH SILT (SP-SM): 9.2-10.5ft: Medium dense, moist, dark gray, 85% sand (fine), 15% fines (silt).	-45.0
11				@10.5-11.0ft: Void space.	-46.0
				POORLY GRADED SAND WITH SILT (GP-GM): 11.0-11.8ft: Medium dense, moist, dark gray, 85% sand (fine), 15% fines (silt). @11.6ft: 1 piece of wood fragment (2" in diameter). End of core @ 11.8ft.	

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Notes:
1. Attempt 1 of 1.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
85%

Sediment Core Log

DSIP2-SB-04

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **10.9**	Penetration Depth (ft): **14**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 46.5** **DS:**	Field Recovery Length (ft): **12.3**
Collection Date: **12/12/2013**	Mudline Elevation (ft MLLW): **-35.6**	Process Date: **12/14/2013**
Contractor: **MSS**	Northing: **204461.82** Easting: **1268312.94**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Kara Hitchko**

Recovered Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM)	Estimated In-situ Elevation (MLLW)
0	DSIP2-SB-04-0-2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT (ML): 0.0-0.1ft: Wet, soft, brown, 90% fines (silt), 10% sand (fine). 0.1-2.3ft: Medium stiff, moist, dark gray, low plasticity, 90% fines (silt), 10% sand (fine). Biota (worms). @0.9ft: Biota (mussel shells). @1.9ft: Grades to moist, gray, no plasticity, 100% fines.	-36.0
2	DSIP2-SB-04-2-4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT WITH SAND (ML): 2.3-3.0ft: Grades to 85% fines (silt), 15% sand (medium). @2.5ft: Layer of SILTY SAND (SM).	-38.0
3				SILT (ML): 3.0-5.0ft: Grades to 95% fines (silt), 5% sand (fine).	-39.0
5	DSIP2-SB-04-5-7	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILTY SAND (SM): 5.0-6.0ft: Medium dense, moist, dark gray, 70% sand (fine), 30% fines (silt).	-41.0
6				SANDY SILT (ML): 6.0-7.3ft: 60% fines (silt), 40% sand (fine). Trace organic matter (wood fibers, stick).	-42.0
7			0	POORLY GRADED SAND (SP): 7.3-10.0ft: Medium dense, moist, dark gray, 95% sand (fine), 5% fines. Sand grains are white, red, and gray.	-43.0
8	DSIP2-SB-04-7.5-9.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS			-44.0
9			0		-45.0
10	DSIP2-SB-04-9.5-11.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS		SILTY SAND (SM): 10.0-11.5ft: Grades to 60% sand (fine), 40% fines (silt). End of core @ 11.5ft.	-46.0
11					-47.0

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Notes: 1. Attempt 1 of 1.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
87.86%

Sediment Core Log

DSIP2-SB-05

Sheet 1 of 1

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **11.42**	Penetration Depth (ft): **14**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 47.3** **DS:**	Field Recovery Length (ft): **12.2**
Collection Date: **12/12/2013**	Mudline Elevation (ft MLLW): **-35.85**	Process Date: **12/13/2013**
Contractor: **MSS**	Northing: **204583.57** Easting: **1268262.71**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Kara Hitchko**

Recovered Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM)	Estimated In-situ Elevation (MLLW)
0	DSIP2-SB-05-0-2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT (ML): 0.0-6.5ft: Soft, moist, dark gray, low plasticity, 100% fines (silt). @1.0ft: Sand content present and increases to 10%. @1.5ft: Pocket of brown SILT.	-36.0
2	DSIP2-SB-05-2-4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@3.0ft: 0.5 inch bed of sand (medium). @3.4ft: 0.5 inch bed of sand (medium).	-38.0
4	DSIP2-SB-05-4-6	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@4.8ft: Grades to no sand, medium stiff.	-40.0
6					-42.0
7	DSIP2-SB-05-6.7-8.7	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@6.5-6.7ft: Void space SILT (ML): 6.8-7.2ft: Medium stiff, wet, dark gray, 100% fines (silt). SILTY SAND (SM): 7.2-8.7ft: Medium dense, moist, gray, 80% sand (fine), 20% fines.	-43.0
9			0	@8.7-9.3ft: Void space	-45.0
10	DSIP2-SB-05-10-12	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS		SILTY SAND (SM): 9.3-10.8ft: Medium dense, moist, gray, 80% sand (fine), 20% fines (silt). @9.5ft: Organic matter (one wood fragment up to 4 inches). Trace biota (shell fragments, 5%). @9.8ft: Alternates between fine and medium sand layers.	-46.0
11				SILTY SAND (SM): 10.8-12.0ft: Medium dense, moist, gray, 70% sand (fine), 30% fines. End of core @ 12.0ft.	-47.0
12					

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Notes:
1. Attempt 1 of 1.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
87.14%

Sediment Core Log

DSIP2-SB-06

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **7.2**	Penetration Depth (ft): **14**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 43.1** **DS:**	Field Recovery Length (ft): **11.2**
Collection Date: **12/13/2013**	Mudline Elevation (ft MLLW): **-35.9**	Process Date: **12/16/2013**
Contractor: **MSS**	Northing: **204716.63** Easting: **1268218.43**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Kara Hitchko**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM)	Estimated In-situ Elevation (MLLW)
0					-36.0
1	DSIP2-SB-06-0-2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT (ML): 0.0-3.4ft: Soft, moist, dark gray, low plasticity, 90% fines (silt), 10% sand (fine). Biota (worm). Organic matter (wood fibers). @0.3ft: Grades to medium stiff, low plasticity fines, no organic matter. @1.0ft: Grades to soft. Organic matter (wood fibers).	-37.0
2				@1.4ft: Grades to medium stiff, dark gray, low plasticity.	
3	DSIP2-SB-06-2-4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS		@2.7ft: Grades to soft, gray with dark gray mottling, no plasticity, 100% fines (silt).	-38.0
4			0	SILT WITH SAND (ML): 3.4-5.0ft: Grades to medium stiff, moist, dark gray, low plasticity, 85% fines (silt), 15% sand (fine).	-39.0
5	DSIP2-SB-06-5-7	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS		SILT (ML): 5.0-6.2ft: Grades to soft, 90% fines (silt), 10% sand (fine).	-40.0
6					-41.0
7			0	SILTY SAND (SM): 6.2-8.0ft: Medium dense, moist, dark gray, 80% sand (fine), 20% fines (silt). Organic matter (wood fibers). @7.5ft: Silt content decreases.	-42.0
8	DSIP2-SB-06-8-10	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS		POORLY GRADED SAND (SP): 8.0-10.0ft: Medium dense, moist, dark gray, 90% sand (fine), 10% fines. Sand grains are white, red and gray.	-43.0
9			0	@9.3ft: Organic matter (wood fragment 2 inches in size).	-44.0
10				SILT (ML): 10.0-10.6ft: Stiff, moist, gray, medium plasticity, 90% fines (silt), 10% sand (fine). End of core @ 10.6ft.	-45.0
					-46.0

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Notes: 1. Attempt 1 of 1.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
80%

Sediment Core Log

DSIP2-SB-07

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **7.9**	Penetration Depth (ft): **14**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 43.2** **DS:**	Field Recovery Length (ft): **11.9**
Collection Date: **12/13/2013**	Mudline Elevation (ft MLLW): **-35.3**	Process Date: **12/16/2013**
Contractor: **MSS**	Northing: **204828.25** Easting: **1268157.39**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Kara Hitchko**

Recovered Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM)	Estimated In-situ Elevation (MLLW)
0	DSIP2-SB-07-0-2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT (ML): 0.0-4.2ft: Soft, moist, dark gray, low plasticity, 90% fines (silt), 10% sand (fine). Organic matter (wood fibers). @0.5ft: Grades to medium stiff. Biota (mussel shell fragments).	-36.0
1					
2	DSIP2-SB-07-2-4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS		@2.0ft: Sand content increases to 15%. @2.2ft: Gray with dark gray mottling, no plasticity, 100% fines (silt). @2.7ft: Grades to medium stiff. Biota (small shell fragments). Organic matter (fibers). Slight odor.	-37.0
3					-38.0
4			0		-39.0
5	DSIP2-SB-07-4.5-6.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS		SILTY SAND (SM): 4.2-4.5ft: Loose, moist, dark gray, 70% sand (fine), 30% fines (silt). Silt content decreases downcore. POORLY GRADED SAND WITH SILT (SP-SM): 4.5-7.9ft: Medium dense, moist, dark gray, 85% sand (fine), 15% fines (silt). Biota (shell fragments). Sand grains are white, red, and gray. @5.5ft: 1 inch layer of silt. Slight hydrogen sulfide-like odor.	-40.0
6					-41.0
7	DSIP2-SB-07-7-9	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@6.4ft: 2 inch layer of silt, stiff. @7.6-7.9ft: Layer of SILTY SAND (SM); dense, moist, gray, thin layer of fine gravel.	-42.0
8					-43.0
9	DSIP2-SB-07-9-11	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	POORLY GRADED SAND (SP): 7.9-11.3ft: Grades to dense, 90% sand (fine), 10% fines. Alternating laminations of SILTY SAND (SM), and as 7.6ft.	-44.0
10				@10.0ft: Grades to medium dense, 90% sand (fine), 5% fines.	-45.0
11				End of core @ 11.3ft.	-46.0

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Notes: 1. Attempt 1 of 1.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
85%

Sediment Core Log

DSIP2-SB-08

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **8.9**	Penetration Depth (ft): **14**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 44.8** **DS:**	Field Recovery Length (ft): **10.6**
Collection Date: **12/13/2013**	Mudline Elevation (ft MLLW): **-35.9**	Process Date: **12/16/2013**
Contractor: **MSS**	Northing: **204932.41** Easting: **1268132.63**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Kara Hitchko**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM)	Estimated In-situ Elevation (MLLW)
0	DSIP2-SB-08-0-2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT (ML): 0.0-0.8ft: Soft, moist, dark gray, no plasticity, 90% fines (silt), 10% sand (fine). @0.2ft: Grades to medium stiff, dark gray, low plasticity fines. @0.7ft: Contains organic matter (wood fragments and fibers). Slight hydrogen sulfide-like odor.	-36.0
1				SILT WITH SAND (ML): 0.8-2.0ft: Grades to 80% fines (silt), 20% sand.	-37.0
2				SILT (ML): 2.0-4.6ft: Grades to 95% fines, 5% sand. No odor.	-38.0
3	DSIP2-SB-08-2.5-4.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@3.0ft: Slight hydrogen sulfide-like odor.	-39.0
4				@3.8-4.6ft: Soft, moist, gray with black mottling, no plasticity, 100% fines (silt). No odor.	-40.0
5	DSIP2-SB-08-4.5-6.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT WITH SAND (ML): 4.6-6.2ft: Medium stiff, moist, dark gray, low plasticity, 85% fines (silt), 15% sand (fine). @5.3ft: Slight hydrocarbon-like odor. Contains organic matter (wood fragments and fibers up to 3 inches).	-41.0
6			0	@6.0ft: 1 inch layer of SANDY SILT (ML).	-42.0
7	DSIP2-SB-08-6.5-8.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS		SILT (ML): 6.2-10.4ft: Grades to low to medium plasticity fines, 95% fines (silt), 5% sand (fine). No odor. @6.8ft: Angular fragment (1.5 inch diameter).	-43.0
8				@8.5ft: Grades to gray, 90% fines (silt), 10% sand (fine).	-44.0
9	DSIP2-SB-08-8.5-10.4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0		-45.0
10				End of core @ 10.4ft.	-46.0

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Notes: 1. Attempt 1 of 1.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
75.71%

Sediment Core Log

DSIP2-SB-09

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **10.3**	Penetration Depth (ft): **14**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 44.3** **DS:**	Field Recovery Length (ft): **10.9**
Collection Date: **12/13/2013**	Mudline Elevation (ft MLLW): **-34**	Process Date: **12/16/2013**
Contractor: **MSS**	Northing: **205002.51** Easting: **1268064.6**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Kara Hitchko**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM)	Estimated In-situ Elevation (MLLW)
0	DSIP2-SB-09-0-2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT (ML): 0.0-9.0ft: Soft, moist, dark gray, no plasticity, 90% fines (silt), 10% sand (fine). @0.2ft: Grades to moist. Contains biota (shell fragments). Organic matter (wood fibers). @0.8ft: Contains trace fine gravel.	-34.0
2	DSIP2-SB-09-2-4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@3.0ft: Grades to medium stiff, low plasticity. 0.5 inch layer of SANDY SILT (ML). @3.3-3.9ft: Gray with dark gray mottling, no plasticity, 100% fines (silt). @3.9ft: Medium stiff, moist, dark gray, low plasticity, 90% fines (silt), 10% sand (fine).	-36.0
4	DSIP2-SB-09-4-6	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@5.1ft: 1 inch layer of gravelly sand (gravel is up to 2 inches); medium dense, moist, black. Slight odor, grains are shiny. @6.0ft: Trace organic matter (wood fibers).	-38.0
6	DSIP2-SB-09-6-8	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@7.0ft: Grades to low to medium plasticity.	-40.0
8			0	@8.0ft: No organic matter.	-42.0
9	DSIP2-SB-09-8.3-10.3	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT WITH SAND (ML): 9.0-10.3ft: Medium stiff, moist, dark gray, 85% fines (silt), 15% sand (fine).	-43.0
10			0	End of core @ 10.3ft.	-44.0

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Notes: 1. Attempt 1 of 1.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
77.86%

Sediment Core Log

DSIP2-SB-09

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **10.3**	Penetration Depth (ft): **14**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 44.3** **DS:**	Field Recovery Length (ft): **10.9**
Collection Date: **12/13/2013**	Mudline Elevation (ft MLLW): **-34**	Process Date: **12/16/2013**
Contractor: **MSS**	Northing: **205002.51** Easting: **1268064.6**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Kara Hitchko**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM)	Estimated In-situ Elevation (MLLW)
0	DSIP2-SB-09-0-2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT (ML): 0.0-9.0ft: Soft, moist, dark gray, no plasticity, 90% fines (silt), 10% sand (fine). @0.2ft: Grades to moist. Contains biota (shell fragments). Organic matter (wood fibers). @0.8ft: Contains trace fine gravel.	-34.0
2	DSIP2-SB-09-2-4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@3.0ft: Grades to medium stiff, low plasticity. 0.5 inch layer of SANDY SILT (ML). @3.3-3.9ft: Gray with dark gray mottling, no plasticity, 100% fines (silt). @3.9ft: Medium stiff, moist, dark gray, low plasticity, 90% fines (silt), 10% sand (fine).	-36.0
4	DSIP2-SB-09-4-6	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@5.1ft: 1 inch layer of gravelly sand (gravel is up to 2 inches); medium dense, moist, black. Slight odor, grains are shiny. @6.0ft: Trace organic matter (wood fibers).	-38.0
6	DSIP2-SB-09-6-8	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@7.0ft: Grades to low to medium plasticity.	-40.0
8			0	@8.0ft: No organic matter.	-42.0
9	DSIP2-SB-09-8.3-10.3	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT WITH SAND (ML): 9.0-10.3ft: Medium stiff, moist, dark gray, 85% fines (silt), 15% sand (fine).	-43.0
10			0	End of core @ 10.3ft.	-44.0

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Notes: 1. Attempt 1 of 1.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
77.86%

Sediment Core Log

DSIP2-SB-10

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **8.4**	Penetration Depth (ft): **14**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 44.8** **DS:**	Field Recovery Length (ft): **13**
Collection Date: **12/16/2015**	Mudline Elevation (ft MLLW): **-36.4**	Process Date: **12/17/2013**
Contractor: **MSS**	Northing: **205120.11** Easting: **1268039.9**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Kara Hitchko**

Recovered Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM)	Estimated In-situ Elevation (MLLW)
0				SILT (ML): 0.0-0.5ft: Soft, wet, gray, low plasticity, 100% fines (silt).	-37.0
1	DSIP2-SB-10-0.5-2.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT WITH SAND (ML): 0.5-2.6ft: 85% fines (silt), 15% sand (fine).	-38.0
2				@2.4-2.5ft: Layer of POORLY GRADED SAND WITH GRAVEL (SP); Medium dense, wet, dark gray.	-39.0
3	DSIP2-SB-10-2.5-4.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT (ML): 2.6-4.5ft: Soft, wet, light gray, low plasticity, 100% fines (silt).	-40.0
4					-41.0
5			0	SILT WITH SAND (ML): 4.5-6.0ft: Grades to medium stiff, dark gray, low plasticity, 85% fines (silt), 15% sand (fine).	-42.0
6	DSIP2-SB-10-6-8	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT (ML): 6.0-11.3ft: Grades to black, low to medium plasticity, 95% fines (silt), 5% sand (fine). Slight hydrogen sulfide-like odor.	-43.0
7				@7.0ft: Contains biota (shell fragment) and organic matter (2 inch piece of wood).	-44.0
8					-45.0
9	DSIP2-SB-10-9-11	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@9.0ft: Grades to gray, no odor.	-46.0
10			0		-47.0
11					-48.0
12	DSIP2-SB-10-11.3-12.9	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	POORLY GRADED SAND (SP): 11.3-12.9ft: Medium dense, moist, light gray, 100% sand (fine). @ 11.4ft: Organic matter (1 inch wood fragment). End of core @ 12.9ft.	-49.0

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Notes: 1. Attempt 1 of 1.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
92.86%

Sediment Core Log

DSIP2-SB-11

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **6.7**	Penetration Depth (ft): **14**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 28.4** **DS:**	Field Recovery Length (ft): **13.9**
Collection Date: **12/13/2013**	Mudline Elevation (ft MLLW): **-21.7**	Process Date: **12/16/2013**
Contractor: **MSS**	Northing: **205009.33** Easting: **1267949.1**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Kara Hitchko**

Recovered Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM)	Estimated In-situ Elevation (MLLW)
0	DSIP2-SB-11-0-2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT (ML): 0.0-6.4ft: Soft, moist, dark gray, low plasticity, 90% fines (silt), 10% sand (fine). @0.5ft: Biota (worms). @1.0ft: Grades to gray with black mottling, no plasticity, 100% fines (silt). Organic matter (wood chip). @1.4ft: Grades to medium stiff, dark gray, low plasticity. Biota (shell fragments).	-22.0
2	DSIP2-SB-11-2-4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@2.2ft: Grades to 0.5 inch layer of gravelly sand; moist, dark gray. Organic matter (wood fibers). @2.6ft: 1 inch layer of SILT, moist, light gray, no plasticity, 100% fines (silt). @3.0ft: Decrease in sand content, 95% fines (silt), 5% sand (medium). Trace organic matter (wood fibers), slight hydrocarbon-like odor.	-24.0
4	DSIP2-SB-11-4-6	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@4.3ft: Apparent anthropogenic debris (black fragments, subrounded, up to 1.5 inches). @4.7ft: Organic matter (wood debris up to 3 inches). @5.2ft: 1 inch layer of gray fines. @5.3ft: Grades to low plasticity. Organic matter (wood fibers). @6.1ft: 3 inch layer of gray SILT (ML); moist, low plasticity.	-26.0
6					-28.0
7	DSIP2-SB-11-6.3-8.3	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	POORLY GRADED SAND WITH GRAVEL (SP): 6.4-6.8ft: Transition; 50% sand, 50% gravel. Slight sheen, shiny black. SILT (ML): 6.8-9.0ft: Medium stiff, moist, gray, low plasticity, 85% fines (silt), 10% sand, 5% gravel. Slight hydrocarbon-like odor. @8.0ft: Grades to no odor.	-29.0
9			0	@9.0-9.5ft: Void space	-31.0
10	DSIP2-SB-11-10-12	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	POORLY GRADED SAND (SP): 9.5-13.5ft: Moist, gray, 100% sand. Alternating bands of lighter gray, non plasticy, 100% fines (silt).	-32.0
12					-34.0
13				End of core @ 13.5ft.	-35.0

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Notes: 1. Attempt 2 of 2.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
99.29%

Sediment Core Log

DSIP2-SB-12

Sheet 1 of 1

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **7**	Penetration Depth (ft): **14**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 37.4** **DS:**	Field Recovery Length (ft): **10.6**
Collection Date: **12/16/2013**	Mudline Elevation (ft MLLW): **-30.4**	Process Date: **12/17/2013**
Contractor: **MSS**	Northing: **204804.91** Easting: **1268085.51**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Nik Bacher**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM	Estimated In-situ Elevation (MLLW)
0	DSIP2-SB-12-0-2	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT (ML): 0.0-0.1ft: Very soft brown, fines. 0.1-8.4ft: Soft, moist, dark gray, no plasticity, 90% fines (silt), 10% sand (fine). Organic matter (wood fragments and fibers).	-31.0
1					
2	DSIP2-SB-12-2-4	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@2.5ft: Grades to medium stiff, low plasticity.	-32.0
3				@3.1ft: 1 centimeter layer of SANDY SILT (ML). Anthropogenic debris (plastic).	-33.0
4				@3.8ft: Pocket of SILTY SAND (SM).	-34.0
5	DSIP2-SB-12-4.5-6.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@5.0ft: Soft, moist, gray contains dark gray mottling, no plasticity, 100% fines (silt).	-35.0
6			0	@6.2ft: 1 inch layer of POORLY GRADED SAND (SP); 85% sand (medium), 15% fines. Slight odor. @6.5ft: 95% fines (silt), 5% sand (fine). Contains trace odor.	-36.0
7	DSIP2-SB-12-6.5-8.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@7.4ft: Anthropogenic debris (5 inch piece of plastic).	-37.0
8					-38.0
9	DSIP2-SB-12-8.5-10.3	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILTY SAND (SM): 8.4-10.3ft: Medium dense, moist, dark gray, 75% sand (fine), 25% fines (silt, decreases downcore). Organic matter (wood fragments and fibers). Biota (crab shell).	-39.0
10				End of core @ 10.3ft.	-40.0

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Notes: 1. Attempt 2 of 2.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
75.71%

Sediment Core Log

DSIP2-SB-14

Sheet 1 of 1

Project: **Draft Remedial Investigation Report**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **7.2**	Penetration Depth (ft): **14**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 24.4** **DS:**	Field Recovery Length (ft): **12.9**
Collection Date: **12/16/2013**	Mudline Elevation (ft MLLW): **-17.2**	Process Date: **12/17/2013**
Contractor: **MSS**	Northing: **204304.4** Easting: **1268107.89**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD83 SP WA N, US Ft** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **Nik Bacher**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description Samples and Descriptions are in Recovered Depths. Classification Scheme: ASTM	Estimated In-situ Elevation (MLLW)
0					-18.0
1	DSIP2-SB-14-0.3-2.3	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILT (ML): 0.0-4.5ft: Soft, wet, dark gray, low plasticity, 95% fines (silt), 5% sand. Trace biota (shell fragments, <5%). Trace organic matter (sticks and wood fibers up to 2 inches).	-19.0
2				@2.0ft: Grades to medium stiff, moist, black.	-20.0
3	DSIP2-SB-14-2.3-4.3	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	@3.3-4.3ft: Interbedded 1 to 2 inch layers of POORLY GRADED SAND (SP); medium dense, moist, black, 95% sand (medium), 5% fines. Grains are shiny. Slight odor.	-21.0
4					-22.0
5	DSIP2-SB-14-5-7.5	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0	SILTY SAND (SM): 4.5-12.1ft: Medium dense, moist, light gray, no plasticity, 80% sand (fine), 20% fines (silt). No odor.	-23.0
6					-24.0
7				@7.8ft: Grades to occasional interbedded 1 to 2 inch layers of SILT (ML); gray, low plasticity.	-25.0
8	DSIP2-SB-14-8-10	Cr VI, D/F, Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, VOCs, GS, MC, TOC, TS, TVS	0		-26.0
9					-27.0
10			0		-28.0
11				End of core @ 12.1ft.	-29.0
12					

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Notes: 1. Attempt 2 of 2.
2. Processed length may differ from field recovery length.

Calculated Recovery
Recovery Length/Penetration Depth:
92.14%

Sediment Core Log

DSI-SB-01

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **7.1**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 20.4** **DS: --**	Field Recovery Length (ft): **12.1**
Collection Date: **3/09/2011**	Mudline Elevation (ft): **-13.3**	Process Date: **3/10/2011**
Contractor: **MSS**	N/LAT: **Northing** E/LONG: **Easting**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
0			0	(ML) Soft, wet, light brown to dark gray, flightly vf-sandy SILT. Trace organic fibers and biota (worms). Slight H2S-like odor.	-13.3
1	DSI-SB-01-1-2	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesticides, TS, TOC	0	@1.7': Grades to occasional laminated beds (1/2") of sand blast grit (wet, black, fine to medium sand). Trace HC-like odor.	-14.3
2	DSI-SB-01-2-3.1	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesticides, TS, TOC	0		-15.3
3	DSI-SB-01-3.1-4	SVOCs, Metals, TBT, PCBs, TS, TOC	0	(SW) Dense, damp, dark gray, f-c SAND, trace f-c gravel. Sand is black, white, beige, green, yellow, red. Gravel is subrounded and up to 2" diameter. Occasional pockets and stratified beds of stiff, moist, olive gray, v-f sandy SILT. No odor.	-16.3
4	DSI-SB-01-4-5		0	@4.2' - 4.4': VOID	-17.3
5	DSI-SB-01-5-6	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesticides, TS, TOC	0	(SW) Dense, damp, dark gray, f-c SAND, trace f-c gravel. Sand is black, white, beige, green, yellow, red. Gravel is subrounded and up to 2" diameter. Occasional pockets and stratified beds of stiff, moist, olive gray, v-f sandy SILT. No odor.	-18.3
6	DSI-SB-01-6-7	TBT, TS, TOC	0	(SW) Grades to vf-f SAND. No gravel.	-19.3
7				(SM) Grades to moderate laminated beds of vf sandy SILT. (Same material @ 3.1').	-20.3

Recent

Lower Alluvium

ANCHOR QEA
720 Olive Way, Suite 1900
Seattle, WA 98101
206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 2.5', hard coring 2.5-4.0', hit debris at 4.0', easy coring to 11.0', hard coring to 14.0'.

Calculated Recovery

Recovery Length/Penetration Depth:

12.1/14.0 ft. = 86%

Sediment Core Log

DSI-SB-01

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **7.1**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 20.4** **DS: --**	Field Recovery Length (ft): **12.1**
Collection Date: **3/09/2011**	Mudline Elevation (ft): **-13.3**	Process Date: **3/10/2011**
Contractor: **MSS**	N/LAT: **Northing** E/LONG: **Easting**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
7	DSI-SB-01-7-8		0	(SM) Dense, damp, dark gray, f-c SAND. Moderate laminated beds of vf sandy SILT.	-20.3
8	DSI-SB-01-8-9		0		-21.3
9	DSI-SB-01-9-10		0	@ 9.2': Grades to trace laminated beds.	-22.3
10	DSI-SB-01-10-11		0		-23.3
11	DSI-SB-01-11-11.9		0		-24.3
12				End of core @ 11.9'	-25.3
13					-26.3
14					-27.3

Lower Alluvium

ANCHOR QEA
720 Olive Way, Suite 1900
Seattle, WA 98101
206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 2.5', hard coring 2.5-4.0', hit debris at 4.0', easy coring to 11.0', hard coring to 14.0'.

Calculated Recovery

Recovery Length/Penetration Depth:

12.1/14.0 ft. = 86%

Sediment Core Log

DSI-SB-02

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **10.9**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 44.8** **DS: 44.0**	Field Recovery Length (ft): **11.7**
Collection Date: **3/10/2011**	Mudline Elevation (ft): **-33.9**	Process Date: **3/11/2011**
Contractor: **MSS**	N/LAT: **X** E/LONG: **X**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
0				(ML) Soft, wet, light brown to black, slightly vf-sandy SILT. Occasional wood fibers and fragments. Slight H2S-like odor.	Recent
1	DSI-SB-02-1-2.3	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesticides, TS, TOC, GS, Dioxins	0		
2					
3	DSI-SB-02-2.3-3.7		0	(GW) Dense, damp, brown to gray, f-c gravelly, f-c SAND. Trace silt. (CAP). Sand grains are white, orange, olive, green, beige, gray. Gravel is subrounded up to 2" diameter.	CAP (non-native)
4	DSI-SB-02-3.7-5.2	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesticides, TS, TOC, Dioxins	0	(ML) Medium stiff, moist, black SILT. Trace f-sand. Trace HC-like odor.	Recent
5					
6	DSI-SB-02-5.2-7	SVOCs, Metals, PCBs, TBT, TS, TOC, Dioxins	0	(SM) Grades to dense, damp, dark gray, f-SAND. Trace silt. Sand grains are white, red, beige, black. Substantial laminated beds and pockets of medium stiff, moist, olive gray, very vf-sandy SILT. No odor.	Upper Alluvium
7					

Estimated Elevation (MLLW): -33.9, -34.9, -35.9, -36.9, -37.9, -38.9, -39.9, -40.9

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206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 3.0', hit hard debris at 6.2', throught debris by 7.5', easy coring to 11.8', moderate coring to 14.0'.

Calculated Recovery
Recovery Length/Penetration Depth:
11.7/14.0 ft. = 84%

Sediment Core Log

DSI-SB-02

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **10.9**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 44.8** **DS: 44.0**	Field Recovery Length (ft): **11.7**
Collection Date: **3/10/2011**	Mudline Elevation (ft): **-33.9**	Process Date: **3/11/2011**
Contractor: **MSS**	N/LAT: **X** E/LONG: **X**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
7	DSI-SB-02-7-8.5		0	(SM) Dense, damp, dark gray, f-SAND. Trace silt. Sand grains are white, red, beige, black. Substantial laminated beds and pockets of medium stiff, moist, olive gray, very vf-sandy SILT. No odor. @7.2': One subrounded c-gravel. 1" diameter.	-41.9
8					-42.9
9	DSI-SB-02-8.5-10	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesticides, TS, TOC, GS, Dioxins	0		-43.9
10	DSI-SB-02-10-11.2		0		-44.9
11				End of core @ 11.2'	-45.9
12					-46.9
13					-47.9
14					-48.9

Upper Alluvium

ANCHOR QEA
720 Olive Way, Suite 1900
Seattle, WA 98101
206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 3.0', hit hard debris at 6.2', throught debris by 7.5', easy coring to 11.8', moderate coring to 14.0'.

Calculated Recovery
Recovery Length/Penetration Depth:
11.7/14.0 ft. = 84%

Sediment Core Log

DSI-SB-03

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **5.3**	Penetration Depth (ft): **11.2**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 26.6** **DS: 25.5**	Field Recovery Length (ft): **10.9**
Collection Date: **3/09/2011**	Mudline Elevation (ft): **-21.3**	Process Date: **3/14/2011**
Contractor: **MSS**	N/LAT: **X** E/LONG: **X**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
0				(ML) Soft, wet, light brown to black, slightly vf-f sandy SILT. Occasional wood fragments (decomposed, black, up to 2" long). Slight H2S-like odor.	-21.3
				@0.5': Grades to medium stiff.	
1	DSI-SB-03-1-2	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesticides, TS, TOC, GS	0		-22.3
2	DSI-SB-03-2-3.5		0		-23.3
3					-24.3
4	DSI-SB-03-3.5-4.5		0	@4.1' - 4.2': VOID	-25.3
				@4.5': Grades to occasional, stratified and laminated beds of medium dense, moist, black, silty f-SAND. Slight HC-like odor.	
5	DSI-SB-03-4.5-5.8		0		-26.3
6	DSI-SB-03-5.8-7	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesticides, TS, TOC	0	(SM) Medium dense, moist, dark gray, silty vf-f SAND. Trace wood fibers. Slight HC-like odor. Occasional sand clumps.	-27.3
				@6.3': 4" long metal shard.	
				@6.5' - 7': Bed of sand clumps, 4"x2" wood chunk (plank), plastic debris. Sand clumps break apart easily. Moderate HC-like odor.	
7					-28.3

Recent

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Seattle, WA 98101
206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 6.0', hit debris at 6.8', hard coring to 8.0', easy coring to 11.0', refusal at 11.0'.

Calculated Recovery
Recovery Length/Penetration Depth:
10.9/11.2 ft. = 97%

Sediment Core Log

DSI-SB-03

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **5.3**	Penetration Depth (ft): **11.2**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 26.6** **DS: 25.5**	Field Recovery Length (ft): **10.9**
Collection Date: **3/09/2011**	Mudline Elevation (ft): **-21.3**	Process Date: **3/14/2011**
Contractor: **MSS**	N/LAT: **X** E/LONG: **X**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
7	DSI-SB-03-7-8.5		0	(SM) Medium dense, moist, dark gray, silty vf-f SAND. Sand grains are white, black, beige. Occasional pockets of medium stiff, moist, olive gray SILT. No HC-like odor.	-29.3
8					-30.3
9	DSI-SB-03-8.5-9.5		0	@8.7': Piece of clear plastic. @9.3': Grades to occasional wood fragments (decomposed sticks up to 2" long).	-31.3
10	DSI-SB-03-9.5-10.4	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesticides, TS, TOC	0		-32.3
11	DSI-SB-03-10.4-11.1	SVOCs, Metals, PCBs, TBT, TS, TOC	0	(ML) Medium stiff, moist, black with olive gray mottling SILT. Occasional pockets and seams (1/4") of black, medium dense, damp, f-SAND. Silt is gummy and rolls easily. Trace wood fragments (decomposed sticks).	-33.3
	DSI-SB-03-11		0	(SP): Medium dense, moist, dark gray, f-SAND. Sand grains are black, white, red, orange, beige. Occasional wood fibers. No odor.	
12				End of core @ 11.6' Note: 11.1' - 11.6' is collected "slough" from vibracore being lifted 1 foot and set back down.	-34.3
13					-35.3
14					-36.3

Recent

Upper Alluvium

L.A.

ANCHOR QEA
720 Olive Way, Suite 1900
Seattle, WA 98101
206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 6.0', hit debris at 6.8', hard coring to 8.0', easy coring to 11.0', refusal at 11.0'.

Calculated Recovery

Recovery Length/Penetration Depth:

10.9/11.2 ft. = 97%

Sediment Core Log

DSI-SB-04

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **7.0**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 29.2** **DS: 29.2**	Field Recovery Length (ft): **11.8**
Collection Date: **3/08/2011**	Mudline Elevation (ft): **-22.2**	Process Date: **3/09/2011**
Contractor: **MSS**	N/LAT: **X** E/LONG: **X**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
0				(ML) Very soft, wet, light brown, slightly vf-sandy SILT.	-22.2
				(ML) Soft, wet, black SILT. Moderate laminated beds and pockets of loose, wet, black, f-vf SAND. Occasional wood fragments (decomposed sticks up to 3" long). Slight H2S-like odor.	
1	DSI-SB-04-1-2	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesicides, TS, TOC	0	@1.0': Grades to occasional sand layers.	-23.2
				@1.3': Several pieces of up to 1" diameter, agglomerate chunks (angular). Grades to occasional agglomerate chunks (up to 4" long).	
2					-24.2
	DSI-SB-04-2-4			@2.7': Grades to moderate layers and beds up to 1" long of metal shards and anthropogenic pieces. Fine sand sized up to 1/4".	
3			0		-25.2
4	DSI-SB-04-4-5	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesicides, TS, TOC	0	@4.2': 0.2"x0.1" wood piece.	-26.2
5	DSI-SB-04-5-6		0	@5.2': 3" long rusted pipe. Grades to slight HC-like odor.	-27.2
6	DSI-SB-04-6-7		0	@6.7': Slight metallic florets up to 1" diameter. Moderate HC-like odor.	-28.2
7					-29.2

Recent

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720 Olive Way, Suite 1900
Seattle, WA 98101
206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 2', easy coring to 8', very hard coring to 10', easy coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

11.8/14.0 ft. = 84%

Sediment Core Log

DSI-SB-04

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **7.0**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 29.2** **DS: 29.2**	Field Recovery Length (ft): **11.8**
Collection Date: **3/08/2011**	Mudline Elevation (ft): **-22.2**	Process Date: **3/09/2011**
Contractor: **MSS**	N/LAT: **X** E/LONG: **X**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
7	DSI-SB-04-7-8.3	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesicides, TS, TOC	0	(SM) Grades to medium dense, moist, black, silty f-SAND. Occasional wood fragments (decomposed sticks 2" long).	-29.2
8					-30.2
	DSI-SB-04-8.3-9.3	SVOCs, Metals, PCBs, TBT, TS, TOC, GS	0	(SP) Dense, moist, dark gray, f-m SAND. Occasional pockets of olive gray silt. @8.6' - 8.8': Anthropogenic materials (Glass shard, clear plastic). @9': Subrounded cobble (0.3" diameter).	
9					-31.2
	DSI-SB-04-9.3-10.9		0	(SP) Grades to medium dense, moist, olive gray, vf-f SAND. @10.1': Moderate laminated beds of f-c SAND and moderate stratified beds of olive gray, medium stiff, moist, vf-sandy SILT.	
10					-32.2
11				End of core @ 10.9'	-33.2
12					-34.2
13					-35.2
14					-36.2

Recent

Lower Alluvium

ANCHOR QEA
720 Olive Way, Suite 1900
Seattle, WA 98101
206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 2', easy coring to 8', very hard coring to 10', easy coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

11.8/14.0 ft. = 84%

Sediment Core Log

DSI-SB-05

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **4.2**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 24.9** **DS: 26.0**	Field Recovery Length (ft): **13.9**
Collection Date: **3/09/2011**	Mudline Elevation (ft): **-20.7**	Process Date: **3/10/2011**
Contractor: **MSS**	N/LAT: **X** E/LONG: **X**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
0				(ML) Soft, wet to moist, light brown to black SILT. Trace f-sand. Occasional wood fragments and shell fragments. Slight H2S-like odor.	-20.7
1	DSI-SB-05-1-2	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesticides, TS, TOC, Dioxins	0		-21.7
2	DSI-SB-05-2-3		0		-22.7
3	DSI-SB-05-3-4	SVOCs, Metals, PCBs, TBT, TS, TOC, GS	0	@3': 2" angular roof shingle.	-23.7
4	DSI-SB-05-4-5		0	@3.7': Grades to moderate laminated beds of sand blast grit (black, wet, fine to medium sand). Moderate HC-like odor. @4.5' - 5.1': Silt is olive gray. Moderate shell hash.	-24.7
5	DSI-SB-05-5-6		0	@5.1': Grades to substaantial laminated and stratified beds (up to 4" thick) of sand blast grit and aggregates. (Aggregates are conglomerates of sand blast grit up to 4" diameter).	-25.7
6	DSI-SB-05-6-7	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesticides, TS, TOC, Dioxins	0	@6.1': Decomposed wood fragment (3" long).	-26.7
7					-27.7

Recent

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206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 2', moderate coring to 8', moderately easy coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

13.9/14.0 ft. = 99%

Sediment Core Log

DSI-SB-05

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **4.2**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 24.9** **DS: 26.0**	Field Recovery Length (ft): **13.9**
Collection Date: **3/09/2011**	Mudline Elevation (ft): **-20.7**	Process Date: **3/10/2011**
Contractor: **MSS**	N/LAT: **X** E/LONG: **X**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
7	DSI-SB-05-7-8		0	(ML) Soft, wet to moist, light brown to black SILT. Trace f-sand. Substantial laminated and stratified beds of sand blast grit (up to 4" thick).	-27.7
8	DSI-SB-05-8-9.3	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesticides, TS, TOC	0		-28.8
9					-29.9
10	DSI-SB-05-9.3-11	SVOCs, Metals, VOCs, PCBs, TBT, Cr VI, Pesticides, TS, TOC, GS, Dioxins	0	(SM) Dense, moist, medium gray, vf-f SAND. Substantial laminated and stratified beds of stiff, damp, olive gray, slightly vf-sandy SILT.	-30.9
11	DSI-SB-05-11-12		0		-31.9
12	DSI-SB-05-12-13.4		0		-32.9
13				End of core @ 13.4'	-33.9
14					-34.9

Recent

Upper Alluvium

ANCHOR QEA
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Seattle, WA 98101
206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 2', moderate coring to 8', moderately easy coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

13.9/14.0 ft. = 99%

Sediment Core Log

DSI-SB-06

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **5.9**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 25.1** **DS: 25.2**	Field Recovery Length (ft): **13.9**
Collection Date: **03/10/2011**	Mudline Elevation (ft): **-19.2**	Process Date: **3/11/2011**
Contractor: **MSS**	N/LAT: **5266644** E/LONG: **549552**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
0			0	(ML) Soft, wet, light brown to black, slightly f-sandy SILT. Occasional wood fragments (black, decomposed, up to 2" long, sticks).	-19.2
1	DSI-SB-06-1-2	SVOCs, Metals, TBT, PCBs, TS, TOC	0	@1.3.': Grades to medium stiff, moist.	-20.2
2	DSI-SB-06-2-3.3		0	@2.2': Piece of duct tape.	-21.2
3				@3.3': Occasional stratified and laminated beds of medium dense, moist, black, f-c sand blast grit. Slight HC-like odor.	-22.2
4	DSI-SB-06-3.3-5		0.6	@4': Grades to moderate H2S-like odor.	-23.2
5				@4.7': 1/2" seam if white silt.	-24.2
6	DSI-SB-06-5-6.5	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	3.8		-25.2
7				@6.5': Grades to trace beds of sand blast grit.	-26.2

Recent

ANCHOR QEA
720 Olive Way, Suite 1900
Seattle, WA 98101
206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 2', very hard coring to 3', easy coring to 11', hard coring to 12', moderately easy coring to 14'.

Calculated Recovery
Recovery Length/Penetration Depth:
13.9/14.0 ft. = 89%

Sediment Core Log

DSI-SB-06

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **5.9**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 25.1** **DS: 25.2**	Field Recovery Length (ft): **13.9**
Collection Date: **03/10/2011**	Mudline Elevation (ft): **-19.2**	Process Date: **3/11/2011**
Contractor: **MSS**	N/LAT: **5266644** E/LONG: **549552**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	**Sediment Description** Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	Estimated Elevation (MLLW) & Graphic Log
7	DSI-SB-06-6.5-8		0	(ML) Soft, wet, light brown to black, slightly f-sandy SILT. Trace beds sand blast grit.	-26.2
8	DSI-SB-06-8-9.6	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	0		-27.2
9					-28.2
10	DSI-SB-06-9.6-11	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	0	(SM) Dense, moist, dark gray, vf-f SAND. Sand grains are white, red, black, beige, orange. Occasional pockets and stratified layers of medium stiff, moist, black, slightly vf-sandy SILT (up to 3" thick). Silt rolls easily. Moderate H2S-like odor.	-29.2
11	DSI-SB-06-11-12.2		15.9	@11.5': 2" layer of black, f-c gravel (subangular, light weight, breaks down, coal).	-30.2
12				End of core @ 12.2'.	-31.2
13					-32.2
14					-33.2

Recent

Upper Alluvium

ANCHOR QEA
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Seattle, WA 98101
206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 2', very hard coring to 3', easy coring to 11', hard coring to 12', moderately easy coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

13.9/14.0 ft. = 89%

Sediment Core Log

DSI-SB-07

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **4.9**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 25.2** **DS: 23.1**	Field Recovery Length (ft): **13.0**
Collection Date: **3/08/2011**	Mudline Elevation (ft): **-20.3**	Process Date: **3/09/2011**
Contractor: **MSS**	N/LAT: **5266677** E/LONG: **549537**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
0			0	(ML) Very soft, wet, black with light gray mottling, f-sandy SILT. Slight H2S-like odor.	-20.3
1	DSI-SB-07-1-2	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC, Dioxins	0	@0.9': Subrounded, 1" diameter, c-gravel (with barnacle). @1.5': Light pink worm. @1.7': 1/2" pocket of orange silt (rust).	-21.3
2	DSI-SB-07-2-3.5		0		-22.3
3			0		-23.3
4	DSI-SB-07-3.5-4.5	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	0	@3.5': 1" stratified bed of f-c SAND. Sand chunks can be brokien down into smaller peices. Slight HC-like odor. @3.8': 2" layer of wet, black wood fragments. Moderate HC-like odor. @4': Moderate, 1/4" laminated beds of sand blast grit (black, glittery f-sand). Moderate HC-like odor.	-24.3
5	DSI-SB-07-4.5-5.5		0		-25.3
6	DSI-SB-07-5.5-6.5		0		-26.3
7			0		-27.3

Recent

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206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 4.5', easy coring to 6.5', debris and hard coring at 6.8', easy coring to 13.8', moderate coring to 14'.

Calculated Recovery
Recovery Length/Penetration Depth:
13.0/14.0 ft. = 93%

Sediment Core Log

DSI-SB-07

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **4.9**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 25.2** **DS: 23.1**	Field Recovery Length (ft): **13.0**
Collection Date: **3/08/2011**	Mudline Elevation (ft): **-20.3**	Process Date: **3/09/2011**
Contractor: **MSS**	N/LAT: **5266677** E/LONG: **549537**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
7	DSI-SB-07-6.5-	SVOCs, Metals, TBT, PCBs, TS, TOC, Dioxins	0	(ML) Very soft, wet, black with light gray mottling, f-sandy SILT. Moderate, 1/4" laminated beds of sand blast grit (black, glittery f-sand). Moderate HC-like odor.	-27.3
8	DSI-SB-07-7.5-8.5		0	(ML) Medium stiff, moist, light gray with black mottling, f-c sandy, slightly f-c gravelly SILT. No odor.	-28.3
9	DSI-SB-07-8.5-9.1		0	(MH) Medium stiff, moist, light gray, clayey SILT. Silt is gummy, rolls easily and smears. @9.2': 4"x1" long piece of decomposed wood.	-29.3
10	DSI-SB-07-9.1-10.5		0	@10.5': Occasional 1" layers of slightly f-gravelly, f-c SAND. Occasional conglomerate chunks (slag). Moderate HC-like odor.	-30.3
11	DSI-SB-07-10.5-11.9	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC, Dioxins	0	@11.4': 3" long piece of anthropogenic material.	-31.3
12	DSI-SB-07-1	SVOCs, Metals, TBT, PCBs, TS, TOC	0	(SP) Dense, damp, light gray, f-SAND. Sand grains are white, black, olive, micaceous. Slight H2S-like odor.	-32.3
13				End of core @ 12.3'	-33.3
14					-34.3

Recent

L.A.

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206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 4.5', easy coring to 6.5', debris and hard coring at 6.8', easy coring to 13.8', moderate coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

13.0/14.0 ft. = 93%

Sediment Core Log

DSI-SB-08

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **9.5**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 40.5** **DS: --**	Field Recovery Length (ft): **13.7**
Collection Date: **3/10/2011**	Mudline Elevation (ft): **-31.0**	Process Date: **3/11/2011**
Contractor: **MSS**	N/LAT: **5266484** E/LONG: **549626**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
0			0	Soft, wet, light brown to black, silty vf-sandy SILT. Occasional wood fragments (decomposed, black, up to 3" long). Slight H2S-like odor.	-31
1	DSI-SB-08-1-2	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	0		-32
2	DSI-SB-08-2-3		0		-33
3	DSI-SB-08-3-4		0		-34
4	DSI-SB-08-4-5	SVOCs, Metals, TBT, PCBs, TS, TOC	0	@4': Grades to medium stiff. @4.6': 4" long fish (on sidewall).	-35
5	DSI-SB-08-5-5.9		0		-36
6	DSI-SB-08-5.9-7		0	@5.9': Grades to occasional stratified and laminated beds of sand blast grit clumps (black, f-m sand sized grains, iridescent). Occasional wood fragments.	-37
7					-38

Recent

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206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 5.3', easy coring to 11', moderately hard coring to 12', easy coring to 14'.

Calculated Recovery
Recovery Length/Penetration Depth:
13.7/14.0 ft. = 98%

Sediment Core Log

DSI-SB-08

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **9.5**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 40.5** **DS: --**	Field Recovery Length (ft): **13.7**
Collection Date: **3/10/2011**	Mudline Elevation (ft): **-31.0**	Process Date: **3/11/2011**
Contractor: **MSS**	N/LAT: **5266484** E/LONG: **549626**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
7	DSI-SB-08-7-8.7	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	0	@7': Grades to substantial beds of sand blast grit and aggregates. Sand blast grit contains trace f-gravel (subrounded). Occasional paint chips up to 1/2" (red and white). Occasional shell fragments. Slight HC-like odor.	-38
8					-39
				@8.7': Grades to occasional sand blast grit beds. Silt is black with light gray mottling.	
9	DSI-SB-08-8.7-10		0		-40
10	DSI-SB-08-10-11		0		-41
11	DSI-SB-08-11-12		0	@11': Grades to moderate sand blast grit beds.	-42
12	DSI-SB-08-12-13.3	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	0		-43
13					-44
				End of core @ 13.3'	
14					-45

Recent

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Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 5.3', easy coring to 11', moderately hard coring to 12', easy coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

13.7/14.0 ft. = 98%

Sediment Core Log

DSI-SB-09

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **4.5**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 31.5** **DS: 31.0**	Field Recovery Length (ft): **13.4**
Collection Date: **3/09/2011**	Mudline Elevation (ft): **-27.0**	Process Date: **3/10/2011**
Contractor: **MSS**	N/LAT: **5266542** E/LONG: **549607**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
0			0	(ML) Soft, wet, olive to dark gray, slightly vf-sandy SILT. Trace wood fibers (sticks up to 1" long). 5% fragments. Trace shell fragments. Slight H2S-like odor.	-27
1	DSI-SB-09-1-2	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC, Dioxins	0	@1.4': 2" long decomposed black stick.	-28
2	DSI-SB-09-2-3		0	@2.4': Grades to trace pockets of f-c sand and aggregates (up to 1", break apart easily).	-29
3	DSI-SB-09-3-4.5		0		-30
4				@4.5': Grades to substantial laminated and stratified beds of sand blast grit and conglomerates (up to 4" diameter). Sand blast grit is f-m sand-sized, wet, black, iridescent and contains paint chips. Moderate HC-like odor.	-31
5	DSI-SB-09-4.5-5.5	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	0		-32
6	DSI-SB-09-5.5-7		0		-33
7					-34

Recent

ANCHOR QEA
720 Olive Way, Suite 1900
Seattle, WA 98101
206-287-9130

Drive Notes (1): Attempt 2 of 2

Drive Notes (2): Free fall to 5.5', Easy coring to 7.5', minor debris at 7.5', easy coring to 11', moderate debris @11', moderate coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

13.4/14.0 ft. = 96%

Sediment Core Log

DSI-SB-09

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **4.5**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 31.5** **DS: 31.0**	Field Recovery Length (ft): **13.4**
Collection Date: **3/09/2011**	Mudline Elevation (ft): **-27.0**	Process Date: **3/10/2011**
Contractor: **MSS**	N/LAT: **5266542** E/LONG: **549607**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
7	DSI-SB-09-7-8.5		0	@7': Grades to moderate sand blast grit beds.	-34
8				@8.1' - 8.9': Bed of soft, moist, light gray, slightly clayey SILT. Trace decomposed wood fragments.	-35
9	DSI-SB-59-8.5-10	SVOCs, Metals, TBT, PCBs, TS, TOC, Dioxins	0		-36
10	DSI-SB-09-10-11		0	@10.3': Grades to substantial sand blast grit and conglomerate beds. Conglomerates up to 4" in diameter.	-37
11	DSI-SB-09-11-12.1	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC, Dioxins	0	@11.4': 4"x2" conglomerate. 3" long orange paint chips. @11.8' - 12': Bed of fine sand blast grit. Strong HC-like odor.	-38
12	DSI-SB-09-12.	SVOCs, Metals, TBT, PCBs, TS, TOC	0	(SM) Medium stiff, moist, dark gray, slightly vf-sandy SILT. Substantial stratified and laminated beds (up to 2") of slightly silty, f-SAND. Slight HC-like odor.	-39
13				End of core @ 12.6'	-40
14					-41

Recent

U.A.

ANCHOR QEA
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206-287-9130

Drive Notes (1): Attempt 2 of 2

Drive Notes (2): Free fall to 5.5', Easy coring to 7.5', minor debris at 7.5', easy coring to 11', moderate debris @11', moderate coring to 14'.

Calculated Recovery
Recovery Length/Penetration Depth:
13.4/14.0 ft. = 96%

Sediment Core Log

DSI-SB-10

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **2.5**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 31.5** **DS: 31.0**	Field Recovery Length (ft): **13.4**
Collection Date: **3/09/2011**	Mudline Elevation (ft): **-22.2**	Process Date: **3/14/2011**
Contractor: **MSS**	N/LAT: **5266577** E/LONG: **549582**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
0			0	(ML) Medium stiff, moist, black, slightly vf-sandy SILT. Slight HC-like odor.	-22.2
1	DSI-SB-10-1-2	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	0	@1': Grades to moderate wood fragments (decomposed black sticks up to 4" long). Occasional shell fragments.	-23.2
2			0	@1.8': Grades to trace wood fragments and shell fragments. No odor.	-24.2
3	DSI-SB-10-2-3.5		0		-25.2
4	DSI-SB-10-3.5-4.5		0	VOID	-26.2
5	DSI-SB-10-4.5-5.5		0		-27.2
6	DSI-SB-10-5.5-7	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	0	@5.5': Grades to moderate laminated and stratified beds of medium dense, wet, black sand blast grit. Occasional aggregates up to 5" in diameter (aggregates are subangular and gritty). Slight HC-like odor.	-28.2
7					-29.2

Recent

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Drive Notes (1): Attempt 2 of 2

Drive Notes (2): Free fall to 4', easy coring to 6', moderate debris at 6' and 7', easy coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

13.4/14.0 ft. = 97%

Sediment Core Log

DSI-SB-10

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **2.5**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 31.5** **DS: 31.0**	Field Recovery Length (ft): **13.4**
Collection Date: **3/09/2011**	Mudline Elevation (ft): **-22.2**	Process Date: **3/14/2011**
Contractor: **MSS**	N/LAT: **5266577** E/LONG: **549582**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
7	DSI-SB-10-7-8.5		0	@7': Grades to substantial pockets (up to 4") of dense, moist, dark gray, f-c SAND. Sand is clumpy and contains paint chips.	-29.2 Recent
8					-30.2
9	DSI-SB-10-8.5-10	SVOCs, Metals, TBT, PCBs, TS, TOC	1.7	(SM) Medium dense, moist, dark gray, silty vf-f SAND. Occasional pockets of black, f-m sand with paint chips. Moderate laminated beds and pockets of medium stiff, moist, olive gray, vf-sandy silt. Moderate HC-like odor.	-31.2
10	DSI-SB-10-10-11	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	0	@10': Grades to no pockets of SAND. No odor.	-32.2 Upper Alluvium
11					-33.2
12	DSI-SB-10-11-12.9		0		-34.2
13				End of core @ 12.9'	-35.2
14					-36.2

ANCHOR QEA
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Seattle, WA 98101
206-287-9130

Drive Notes (1): Attempt 2 of 2

Drive Notes (2): Free fall to 4', easy coring to 6', moderate debris at 6' and 7', easy coring to 14'.

Calculated Recovery
Recovery Length/Penetration Depth:
13.4/14.0 ft. = 97%

Sediment Core Log

DSI-SB-11

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **3.2**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 30.8** **DS: 30.0**	Field Recovery Length (ft): **12.8**
Collection Date: **3/09/2011**	Mudline Elevation (ft): **-27.6**	Process Date: **3/11/2011**
Contractor: **MSS**	N/LAT: **5266581** E/LONG: **549595**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
0			0	(ML) Soft, moist, light brown to black, slightly vf-sandy SILT. Occasional wood fragments (decomposed, up to 2" long). Slight H2S-like odor.	-27.6
1	DSI-SB-11-1-2	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, TS, TOC	0		-28.6
2	DSI-SB-11-2-3.5		0		-29.6
3			0		-30.6
4	DSI-SB-11-3.5-5	SVOCs, Metals, TBT, PCBs, TS, TOC	0	@4': Grades to medium stiff, black with olive gray mottling.	-31.6
5	DSI-SB-11-5-6		0		-32.6
6	DSI-SB-11-6-6.9		0	@5.8': Anthropogenic material (2" flat roof shingle).	-33.6
7				@6.9': Grades to moderate, stratified and laminated beds of sand blast grit and aggregates. Sand blast grit is black, wet, iridescent and contains paint chips. Grains are f-m sand sized. Aggregates contain sand and anthropogenic material (glass shards). Slight H2S-like odor.	-34.6

Recent

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Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 7', easy coring to 14'.

Calculated Recovery
Recovery Length/Penetration Depth:
12.8/14.0 ft. = 91%

Sediment Core Log

DSI-SB-11

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **3.2**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 30.8** **DS: 30.0**	Field Recovery Length (ft): **12.8**
Collection Date: **3/09/2011**	Mudline Elevation (ft): **-27.6**	Process Date: **3/11/2011**
Contractor: **MSS**	N/LAT: **5266581** E/LONG: **549595**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
7	DSI-SB-11-6.9-8		0	(ML) Soft, moist, light brown to black, slightly vf-sandy SILT. Moderate, stratified and laminated beds of sand blast grit and aggregates. Slight H2S-like odor.	-34.6
8	DSI-SB-11-8-8.9	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	0		-35.6
9	DSI-SB-11-8.9-10		0	@8.9': Grades to trace beds of sand blast grit.	-36.6
10	DSI-SB-11-10-11		0		-37.6
11	DSI-SB-11-11-12.3	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	0	(SM) Dense, moist, dark gray, silty f-m SAND. Sand is white, black, beige, red. Occasional stratified and laminated beds of medium stiff, moist, olive gray, slightly vf-sandy SILT.	-38.6
12				End of core @12.3'	-39.6
13					-40.6
14					-41.6

Recent

Upper Alluvium

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206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 7', easy coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

12.8/14.0 ft. = 91%

Sediment Core Log

DSI-SB-12

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **2.5**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 6.2** **DS: 7.6**	Field Recovery Length (ft): **11.3**
Collection Date: **3/10/2011**	Mudline Elevation (ft): **-3.7**	Process Date: **3/15/2011**
Contractor: **MSS**	N/LAT: **5266612** E/LONG: **549554**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
0			0	(SM) Medium dense, moist, dark gray, vf-f SAND. Trace silt. Sand grains are white, black, red. Sand contains clumps up to 1"-diameter. Occasional laminated beds and pockets of medium stiff, moist, olive gray, vf-sandy SILT.	-3.7
1	DSI-SB-12-1-2	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	0	@0.6': Medium dense, moist, black sand blast grit. Grit is iridescent, f-m grained, contains f-gravel and occasional aggregates (subangular, up to 2"-diameter). Occasional stratified and laminated beds of medium stiff, moist, black silt. Moderate wood debris (decomposed sticks up to 4" long). Moderate H2S-like odor. Grit has slight HC-like odor.	-4.7
2	DSI-SB-12-2-3		4.3		-5.7
3	DSI-SB-12-3-4.3	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	0		-6.7
4					-7.7
5	DSI-SB-12-4.3-5.8	Metals, PCBs, TS, TOC	2.0	(SM) Medium dense, moist, dark gray to olive gray, silty vf-f SAND. Moderate pockets of medium stiff, moist, olive gray, very vf-sandy SILT. Trace aggregates (subangular, up to 1.5"-diameter). Occasional wood fragments (decomposed sticks and fibers up to 1" long). Moderate H2S-like odor.	-8.7
6	DSI-SB-12-5.8-7.1	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	4.4	@5.8': Grades to medium dense, moist, dark gray, f-c SAND. Trace silt. Sand grains are white, black, red, beige, orange, micaceous. Moderate stratified beds and pockets of very v-f sandy silt.	-9.7
7					-10.7

Recent

Upper Alluvium

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206-287-9130

Drive Notes (1): Attempt 2 of 2

Drive Notes (2): Free fall to 3', debris to 4', easy coring to 10.5', very hard coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

11.3/14.0 ft. = 81%

Sediment Core Log

DSI-SB-12

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **2.5**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 6.2** **DS: 7.6**	Field Recovery Length (ft): **11.3**
Collection Date: **3/10/2011**	Mudline Elevation (ft): **-3.7**	Process Date: **3/15/2011**
Contractor: **MSS**	N/LAT: **5266612** E/LONG: **549554**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
7	DSI-SB-12-7.1-8		0	(SP) Dense, damp, dark gray, slightly f-gravelly, f-c SAND. Sand grains are black, white, red, beige, yellow, green. Gravel is subrounded and up to 1/2" in diameter. No odor.	-10.7
8	DSI-SB-12-8-9	GS	0	@7.9': Grades to f-SAND. No gravel.	-11.7
9					-12.7
10	DSI-SB-12-9-10.7		0		-13.7
11				End of core @ 10.7'	-14.7
12					-15.7
13					-16.7
14					-17.7

Lower Alluvium

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Drive Notes (1): Attempt 2 of 2

Drive Notes (2): Free fall to 3', debris to 4', easy coring to 10.5', very hard coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

11.3/14.0 ft. = 81%

Sediment Core Log

DSI-SB-13

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **7.5**	Penetration Depth (ft): **11.4**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 13.6** **DS: 13.5**	Field Recovery Length (ft): **9.2**
Collection Date: **3/10/2011**	Mudline Elevation (ft): **-6.1**	Process Date: **3/14/2011**
Contractor: **MSS**	N/LAT: **5266634** E/LONG: **549524**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
0			0	(ML) Medium stiff, moist, black, f-sandy SILT. Occasional wood fragments and shell fragments.	-6.1
				@0.7': 2" bed of moderate aggregates up to 1"-diameter. Aggregates are rough, subangular and have barnacles on surface. Slight HC-like odor.	
1	DSI-SB-13-1-2	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	0		-7.1
2	DSI-SB-13-2-3		0	(ML) Soft, moist, black SILT. Occasional pockets of wet, loose, black, f-SAND and sand clumps.	-8.1
				@2.9': Anthropogenic debris (rubber strings).	
3	DSI-SB-13-3-4.1	SVOCs, Metals, Cr6+, PCBs, TBT, VOC, Pesticides, TS, TOC	1.1	(ML) Medium stiff, moist, olive gray SILT.	-9.1
				@3.7': 3" bed of medium stiff, moist, black, slightly v-f sandy SILT. Trace gravel (subrounded, up to 1"-diameter). Abundant wood fragments (decomposed chunks).	
4	DSI-SB-13-4.1-5	SVOCs, Metals, TBT, PCBs, TS, TOC	0	(SP) Medium dense, damp, dark gray, f-SAND. Sand grains are black, white, red, yellow, beige.	-10.1
5				@5': Grades to trace f-c gravel. Gravel is subrounded and up to 2.5"-diameter.	-11.1
	DSI-SB-13-5-6		0	@5.5': Grades to no gravel.	
6	DSI-SB-13-6-7		0		-12.1
7					-13.1

Recent

Lower Alluvium

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206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): No free fall recorded, moderate debris at 4.6', moderately easy coring to 8.8', hard coring until refusal at 11.4'.

Calculated Recovery

Recovery Length/Penetration Depth:

9.2/11.4 ft. = 81%

Sediment Core Log

DSI-SB-13

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **7.5**	Penetration Depth (ft): **11.4**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 13.6** **DS: 13.5**	Field Recovery Length (ft): **9.2**
Collection Date: **3/10/2011**	Mudline Elevation (ft): **-6.1**	Process Date: **3/14/2011**
Contractor: **MSS**	N/LAT: **5266634** E/LONG: **549524**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
7					-13.1
		DSI-SB-13-7-8.8	0	(SP) Medium dense, damp, dark gray, f-SAND. Sand grains are black, white, red, yellow, beige.	Lower Alluvium
8					-14.1
9				End of core @8.8'	-15.1
10					-16.1
11					-17.1
12					-18.1
13					-19.1
14					-20.1

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Drive Notes (1): Attempt 1 of 1

Drive Notes (2): No free fall recorded, moderate debris at 4.6', moderately easy coring to 8.8', hard coring until refusal at 11.4'.

Calculated Recovery

Recovery Length/Penetration Depth:

9.2/11.4 ft. = 81%

Sediment Core Log

DSI-SB-14

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **9.8**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 38.0** **DS: 39.0**	Field Recovery Length (ft): **12.6**
Collection Date: **3/14/2011**	Mudline Elevation (ft): **-28.2**	Process Date: **3/15/2011**
Contractor: **MSS**	N/LAT: **5266688** E/LONG: **549558**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
0			0	(ML) Soft, wet, black, f-sandy SILT. Occasional shell fragments and wood fragments (sticks, decomposed, black, 1" long). @0.1': 4"-diameter conglomerate (gritty, anthropogenic). @0.5': Grades to medium stiff, moist, slightly f-sandy SILT. Trace shell fragments.	-28.2
1	DSI-SB-14-1-2		0		-29.2
2	DSI-SB-14-2-3		0		-30.2
3	DSI-SB-14-3-4		0		-31.2
4	DSI-SB-14-4-5	SVOCs, Metals, TBT, PCBs, TS, TOC	0	@4': Grades to trace f-sand. Trace wood fragments. No shells. Silt is blocky and gummy, rolls easily.	-32.2
5	DSI-SB-14-5-6		0		-33.2
6	DSI-SB-14-6-7		0		-34.2
7					-35.2

Recent

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Drive Notes (1): Attempt 2 of 2

Drive Notes (2): Free fall to 6.5', hit debris until 7.0, easy coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

12.6/14.0 ft. = 90%

Sediment Core Log

DSI-SB-14

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **9.8**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 38.0** **DS: 39.0**	Field Recovery Length (ft): **12.6**
Collection Date: **3/14/2011**	Mudline Elevation (ft): **-28.2**	Process Date: **3/15/2011**
Contractor: **MSS**	N/LAT: **5266688** E/LONG: **549558**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
7	DSI-SB-14-7-8		0	(ML) Medium stiff, moist, black SILT. Trace f-sand. Trace wood fragments. Silt is blocky and gummy, rolls easily.	-35.2
8	DSI-SB-14-8-9		0		-36.2
9	DSI-SB-14-9-10.5	SVOCs, Metals, TBT, PCBs, TS, TOC	0		-37.2
10				@10.1': Grades to olive gray.	-38.2
11	DSI-SB-14-10.5-12.1		0	@11': Grades to black.	-39.2
12				End of core @ 12.1'	-40.2
13					-41.2
14					-42.2

Recent

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Drive Notes (1): Attempt 2 of 2

Drive Notes (2): Free fall to 6.5', hit debris until 7.0, easy coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

12.6/14.0 ft. = 90%

Sediment Core Log

DSI-SB-15

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **9.5**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 42.7** **DS: 41.5**	Field Recovery Length (ft): **13.3**
Collection Date: **3/14/2011**	Mudline Elevation (ft): **-33.2**	Process Date: **3/15/2011**
Contractor: **MSS**	N/LAT: **5266491** E/LONG: **549638**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
0			0	(ML) Very soft, wet, light brown, slightly vf-sandy SILT. Trace wood fragments (decomposed sticks and fibers up to 3" long).	-33.2
				@0.5': Grades to medium stiff, moist, black.	
1	DSI-SB-15-1-2		0		-34.2
2	DSI-SB-15-2-3		0		-35.2
3	DSI-SB-15-3-4		0		-36.2
4	DSI-SB-15-4-5	SVOCs, Metals, TBT, PCBs, TS, TOC	0	@4.6': Grades to trace vf-SAND. Silt is smooth and rolls easily.	-37.2
5	DSI-SB-15-5-6		0		-38.2
6	DSI-SB-15-6-7		0		-39.2
7				@6.8': Grades to light gray. Silt is gummy.	-40.2

Recent

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Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 6', easy coring to 14'.

Calculated Recovery
Recovery Length/Penetration Depth:
13.3/14.0 ft. = 95%

Sediment Core Log

DSI-SB-15

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **9.5**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 42.7** **DS: 41.5**	Field Recovery Length (ft): **13.3**
Collection Date: **3/14/2011**	Mudline Elevation (ft): **-33.2**	Process Date: **3/15/2011**
Contractor: **MSS**	N/LAT: **5266491** E/LONG: **549638**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
7	DSI-SB-15-7-8		0	(ML) Medium stiff, moist, light gray, SILT. Trace vf-sand.	-40.2
8	DSI-SB-15-8-9.5		0	@8.4': Grades to black.	-41.2
9	DSI-SB-15-9.5-10.5		0	@9.7': 2" bed of substantial pockets of dense, damp, olive gray, f-m sandy SILT.	-42.2
10	DSI-SB-15-10.5-11.5		0		-43.2
11	DSI-SB-15-11.5-12.5	SVOCs, Metals, TBT, PCBs, TS, TOC	0	@11.5': Grades to moderate pockets (1/4"-diameter) and seams (1/4" long) of medium dense, moist, black, silty f-SAND. Slight HC-like odor. Sheen test: moderate rainbow florets on surface.	-44.2
12			0		-45.2
13				End of core @12.5' In core shoe @12.5' - 12.8': (SM) Medium dense, damp, olive gray, silty, vf-f SAND. No odor. (Lower Alluvium)	-46.2
14					-47.2

Recent

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Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 6', easy coring to 14'.

Calculated Recovery
Recovery Length/Penetration Depth:
13.3/14.0 ft. = 95%

Sediment Core Log

DSI-SB-16

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **10.0**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 41.7** **DS: 42.0**	Field Recovery Length (ft): **12.5**
Collection Date: **3/14/2011**	Mudline Elevation (ft): **-31.7**	Process Date: **3/15/2011**
Contractor: **MSS**	N/LAT: **5266547** E/LONG: **549620**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
0			0	(ML) Very soft, wet, light brown, slightly vf-sandy SILT. Trace wood fibers and fragments (decomposed, black, up to 1").	-31.7
				@0.8': Grades to medium stiff, moist, black. Trace f-sand.	
1	DSI-SB-16-1-2		0		-32.7
2	DSI-SB-16-2-3.5		0		-33.7
3					-34.7
4	DSI-SB-16-3.5-5		0		-35.7
5					-36.7
6	DSI-SB-16-5-6.5	SVOCs, Metals, TBT, PCBs, TS, TOC	0	@5.7' - 5.9': Bed of substantial aggregates (subrounded, gritty, up to 4"-diameter, break apart). Slight HC-like odor.	-37.7
				@6.8': Grades to light gray.	
7				Recent	-38.7

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206-287-9130

Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 6', Easy coring to 14'.

Calculated Recovery
Recovery Length/Penetration Depth:
12.5/14.0 ft. = 89%

Sediment Core Log

DSI-SB-16

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **10.0**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 41.7** **DS: 42.0**	Field Recovery Length (ft): **12.5**
Collection Date: **3/14/2011**	Mudline Elevation (ft): **-31.7**	Process Date: **3/15/2011**
Contractor: **MSS**	N/LAT: **5266547** E/LONG: **549620**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description	Estimated Elevation (MLLW) & Graphic Log
				Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS	
7	DSI-SB-16-6.5-7.7		0	(ML) Medium stiff, moist, light gray SILT. Trace f-sand.	-38.7
8	DSI-SB-16-7.7-8.8	SVOCs, Metals, TBT, PCBs, TS, TOC	0	@7.7': Grades to black. Occasional seams and pockets (1/4" width, diameter) of medium dense, moist, black, silty f-SAND.	-39.7
9				@8.8' - 9.2': Core is half full of soft, wet, black, slightly f-sandy SILT. Moderate sand clumps.	-40.7
10	DSI-SB-16-9.2-10.7	SVOCs, Metals, TBT, PCBs, TS, TOC	0		-41.7
11	DSI-SB-16-10.7-12.1		0	(SM) Dense, moist, dark gray, slightly silty f-SAND. Sand grains are black, gray, white, red, beige, orange. Substantial laminated beds of medium stiff, moist, dark gray, very vf-sandy SILT.	-42.7
12				End of core @ 12.1'	-43.7
13					-44.7
14					-45.7

Recent

Upper Alluvium

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Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 6', Easy coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

12.5/14.0 ft. = 89%

Sediment Core Log

DSI-SB-17

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **9.8**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 42.5** **DS: --**	Field Recovery Length (ft): **13.1**
Collection Date: **3/14/2011**	Mudline Elevation (ft): **-32.7**	Process Date: **3/16/2011**
Contractor: **MSS**	N/LAT: **5266619** E/LONG: **549593**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
0			0	(ML) Soft, wet, light brown, slightly vf-sandy SILT. @0.1': Grades to medium stiff, moist, black. Trace wood fibers. Slight H2S-like odor.	-32.7
1	DSI-SB-17-1-2		0	.	-33.7
2	DSI-SB-17-2-3		0	@2.1': 3" long piece of thin plastic (black). @2.5': Grades to trace vf-SAND. Silt is smooth.	-34.7
3	DSI-SB-17-3-4		0		-35.7
4	DSI-SB-17-4-5		0		-36.7
5	DSI-SB-17-5-6	SVOCs, Metals, TBT, PCBs, TS, TOC	0	@5.0': 1" bed of medium dense, wet, dark gray, silty f-SAND. Moderate sand clumps (dense, dry, olive gray). @5.6': 1" pocket of aggregates and f-SAND. Moderate wood fragments. Aggregate is 1/2"-diameter, grainy and subangular.	-37.7
6	DSI-SB-17-6-7		0	@6.0': Grades to light gray.	-38.7
7					-39.7

Recent

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Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 5.5', easy coring to 14'.

Calculated Recovery
Recovery Length/Penetration Depth:
13.1/14.0 ft. = 94%

Sediment Core Log

DSI-SB-17

Project: **DSI Sediment RI**	Location: **Lower Duwamish Waterway**	Tube Length (ft): **15.0**
Project #: **080111-01.01**	Surface Water Elevation (MLLW): **9.8**	Penetration Depth (ft): **14.0**
Client: **Duwamish Shipyards, Inc.**	Water Depth (ft): **LL: 42.5** **DS: --**	Field Recovery Length (ft): **13.1**
Collection Date: **3/14/2011**	Mudline Elevation (ft): **-32.7**	Process Date: **3/16/2011**
Contractor: **MSS**	N/LAT: **5266619** E/LONG: **549593**	Process Method: **Cut tube**
Vessel: **Nancy Anne**	Horiz. Datum: **NAD 83 N** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75"**	Logged By: **AC/JL/DG**

Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths. Classification Scheme: USCS)	Estimated Elevation (MLLW) & Graphic Log
7	DSI-SB-17-7-8		0	(ML) Medium stiff, moist, light gray SILT. Trace vf-sand. @7.1': Grades to black. Trace seams and pockets of f-sand.	-39.7
8	DSI-SB-17-8-9		0	@8.3': 1" bed of dense, dry, olive gray sand clumps (break into f-m sized grains).	-40.7
9				@9.0' - 9.4': VOID	-41.7
10	DSI-SB-17-9.4-10.7	SVOCs, Metals, TBT, PCBs, TS, TOC	0	@10.1': Grades to soft, wet.	-42.7
11	DSI-SB-17-10.7-12.8		0	(SM) Dense, moist, dark gray, slightly silty, f-SAND. Sand grains are black, gray, white, red, beige, orange. Substantial laminated beds of medium stiff, moist, dark gray, very vf-sandy SILT.	-43.7
12					-44.7
13				End of core @ 12.8'	-45.7
14					-46.7

Recent

Upper Alluvium

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Drive Notes (1): Attempt 1 of 1

Drive Notes (2): Free fall to 5.5', easy coring to 14'.

Calculated Recovery

Recovery Length/Penetration Depth:

13.1/14.0 ft. = 94%

MONITORING WELL LOGS

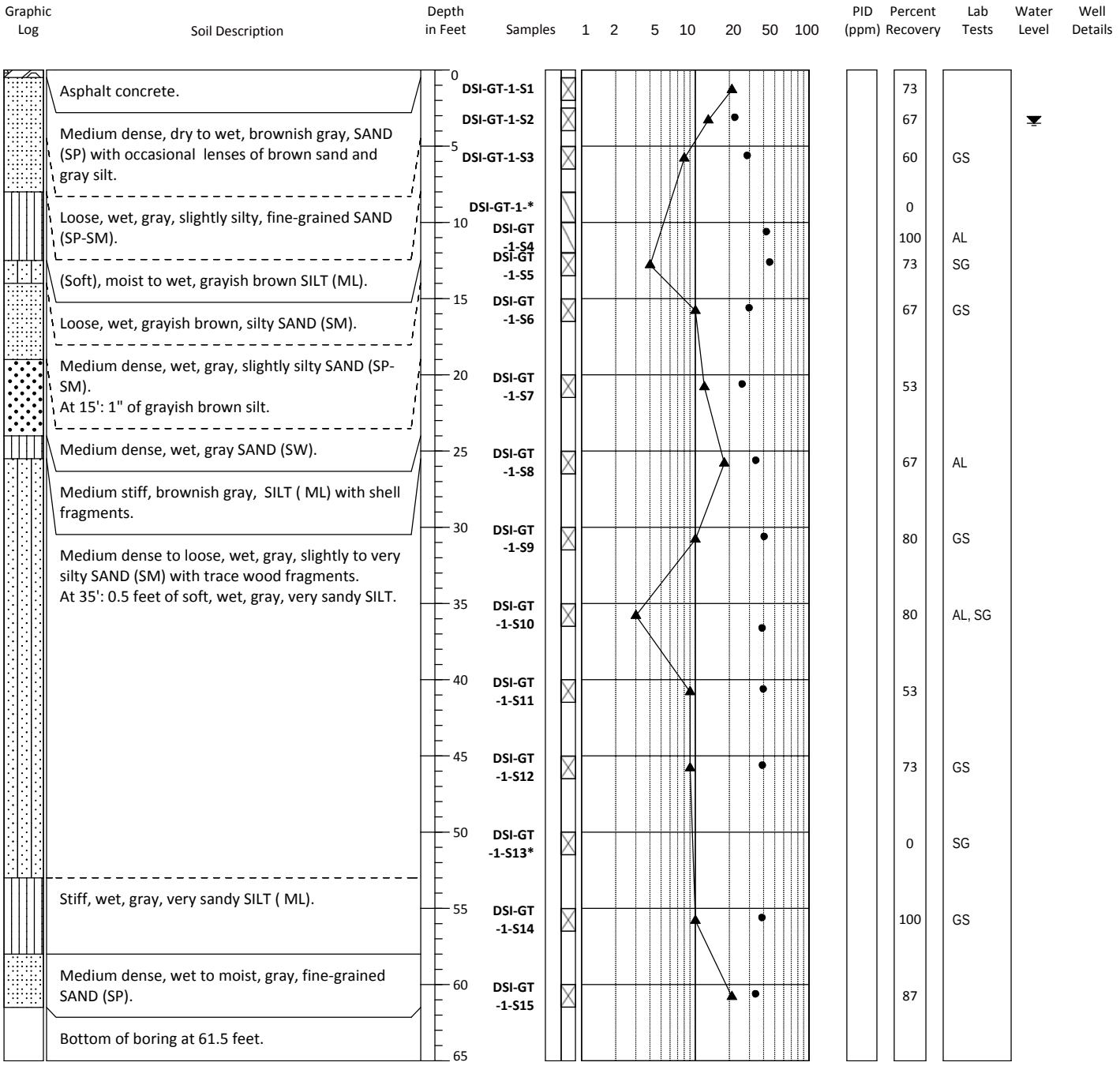
Monitoring Well Log

Sheet: 1 of 1

DSI-GT-1

Project: **Duwamish Shipyard, Inc.**	Ground Surface Elevation in Feet: **14.6**
Project #: **080111-01**	Groundwater Depth (BGS): **3.5**
Client: **DSI**	Northing: **204525.3** Easting: **1267977.2**
Date: **7/16/2009**	Horizontal Datum: **Washington State Plane North NAD 83**
Contractor: **Gregory Drilling**	Vertical Datum: **MLLW**
Operator: **Corey James**	Method: **Mud Rotary**
Logged By: **Wes MacDonald**	Groundwater Screen Interval: **NA**

▲ STANDARD PENETRATION



● Water Content (percent)

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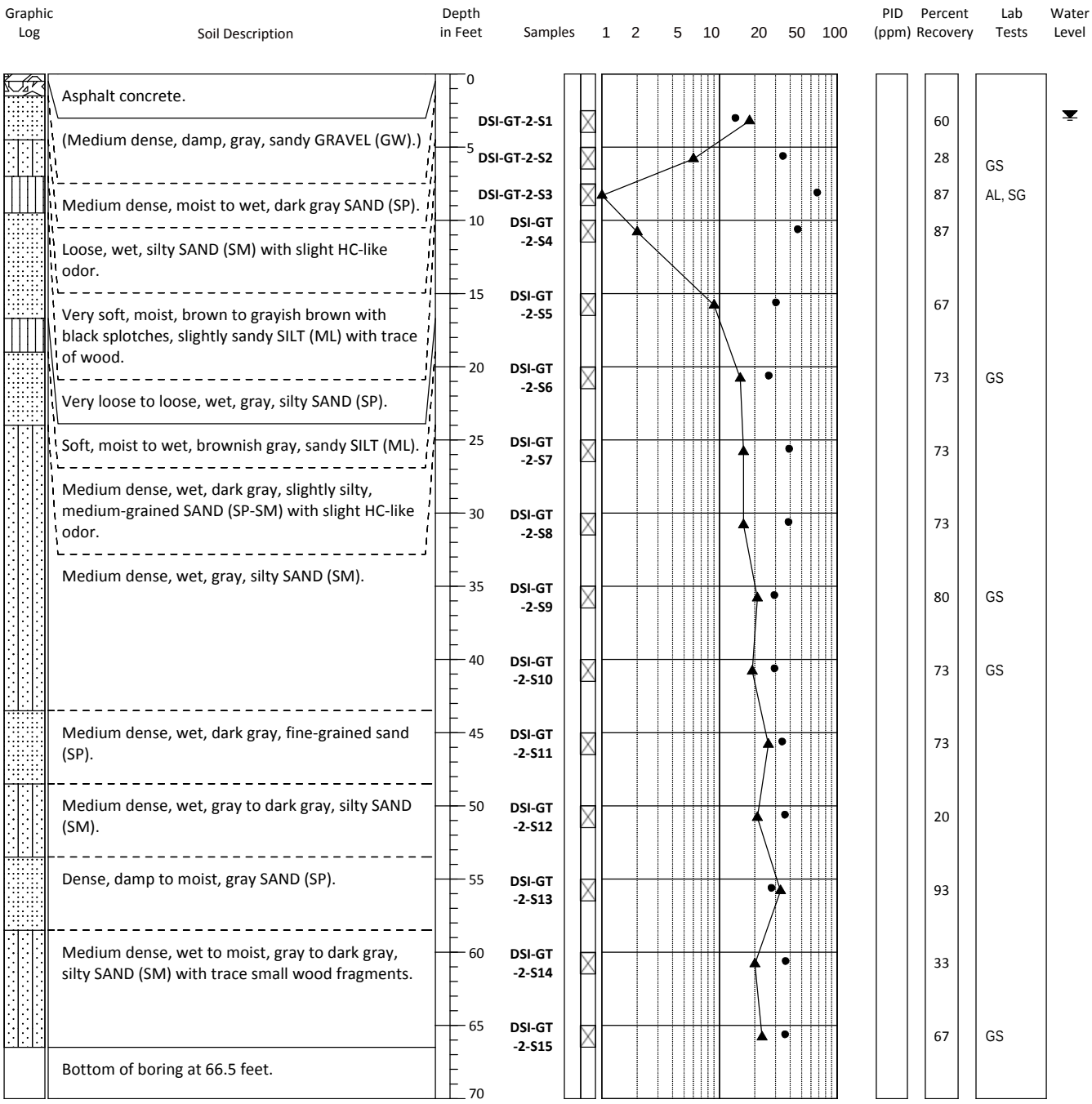
1. Refer to Classification Key for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive, and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling or at the time and date specified. Ground water level may vary with time.
^Additional samples taken approximately 5 ft. away to obtain more material for chemistry analyses.

Monitoring Well Log

DSI-GT-2

Project: **Duwamish Shipyard, Inc.**	Ground Surface Elevation in Feet: **14.7**
Project #: **080111-01**	Groundwater Depth (BGS): **3.0**
Client: **DSI**	Northing: **204368.1** Easting: **1267979.4**
Date: **7/16/2009**	Horizontal Datum: **Washington State Plane North NAD 83**
Contractor: **Gregory Drilling**	Vertical Datum: **MLLW**
Operator: **Corey James**	Method: **Mud Rotary**
Logged By: **Wes MacDonald**	Groundwater Screen Interval: **NA**

▲ STANDARD PENETRATION



● Water Content (percent)

ANCHOR QEA

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3. Ground water level, if indicated, is at time of drilling or at the time and date specified. Ground water level may vary with time.

^Additional samples taken approximately 5 ft. away to obtain more material for chemistry analyses.

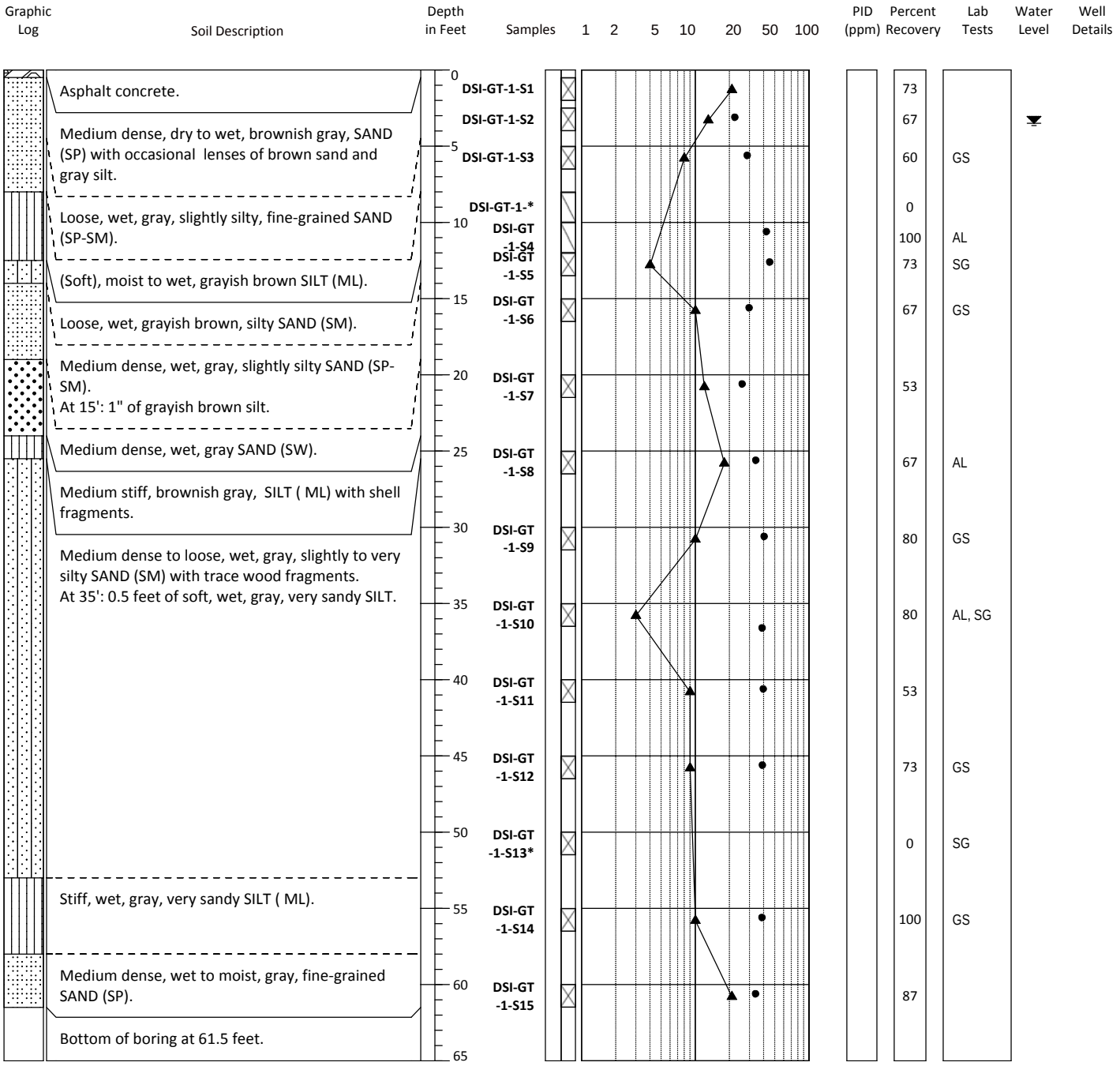
Monitoring Well Log

Sheet: 1 of 1

DSI-GT-1

Project: **Duwamish Shipyard, Inc.**	Ground Surface Elevation in Feet: **14.6**
Project #: **080111-01**	Groundwater Depth (BGS): **3.5**
Client: **DSI**	Northing: **204525.3** Easting: **1267977.2**
Date: **7/16/2009**	Horizontal Datum: **Washington State Plane North NAD 83**
Contractor: **Gregory Drilling**	Vertical Datum: **MLLW**
Operator: **Corey James**	Method: **Mud Rotary**
Logged By: **Wes MacDonald**	Groundwater Screen Interval: **NA**

▲ STANDARD PENETRATION



● Water Content (percent)

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2. Soil descriptions and stratum lines are interpretive, and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling or at the time and date specified. Ground water level may vary with time.

^Additional samples taken approximately 5 ft. away to obtain more material for chemistry analyses.

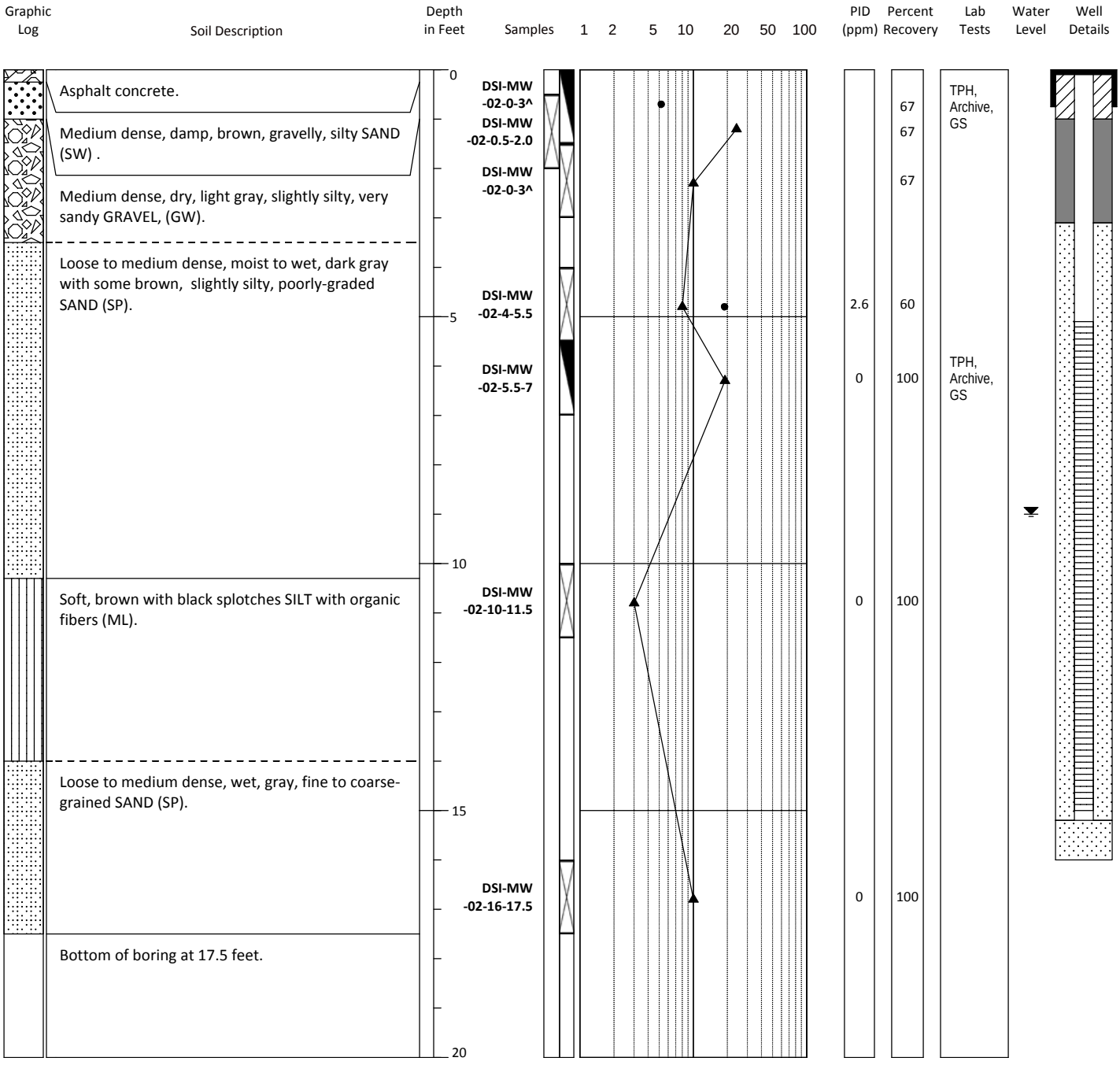
Monitoring Well Log

Sheet: 1 of 1

DSI-MW-02

Project: **Duwamish Shipyard, Inc.**	Ground Surface Elevation in Feet: **16.6**
Project #: **080111-01**	Groundwater Depth (BGS): **3.0**
Client: **DSI**	Northing: **204619.5** Easting: **1267537.9**
Date: **7/14/2009**	Horizontal Datum: **Washington State Plane North NAD 83**
Contractor: **Gregory Drilling**	Vertical Datum: **MLLW**
Operator: **Corey James**	Method: **Hollow-Stem Auger**
Logged By: **Wes MacDonald**	Groundwater Screen Interval: **5.1 - 15**

▲ STANDARD PENETRATION



● Water Content (percent)

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1. Refer to Classification Key for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive, and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling or at the time and date specified. Ground water level may vary with time.

^Additional samples taken approximately 5 ft. away to obtain more material for chemistry analyses.

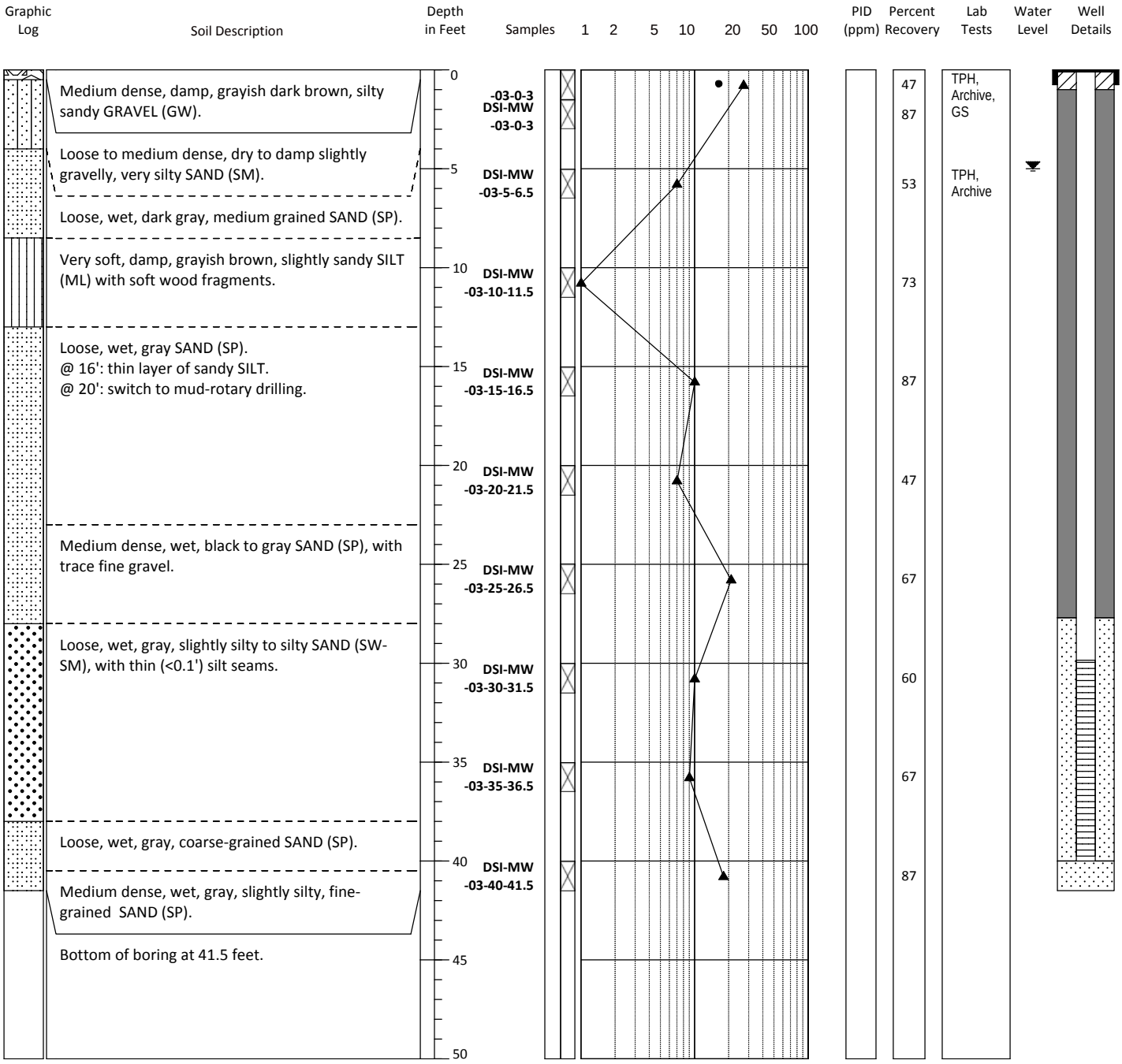
Monitoring Well Log

Sheet: 1 of 1

DSI-MW-03

Project: **Duwamish Shipyard, Inc.**	Ground Surface Elevation in Feet: **15.3**
Project #: **080111-01**	Groundwater Depth (BGS): **5.0**
Client: **DSI**	Northing: **204467.0** Easting: **1267731.4**
Date: **7/13/2009**	Horizontal Datum: **Washington State Plane North NAD 83**
Contractor: **Gregory Drilling**	Vertical Datum: **MLLW**
Operator: **Corey James**	Method: **Hollow-Stem Auger and Mud-Rotary**
Logged By: **Wes MacDonald**	Groundwater Screen Interval: **29.85 - 39.75**

▲ STANDARD PENETRATION



● Water Content (percent)

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1. Refer to Classification Key for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive, and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling or at the time and date specified. Ground water level may vary with time.

^Additional samples taken approximately 5 ft. away to obtain more material for chemistry analyses.

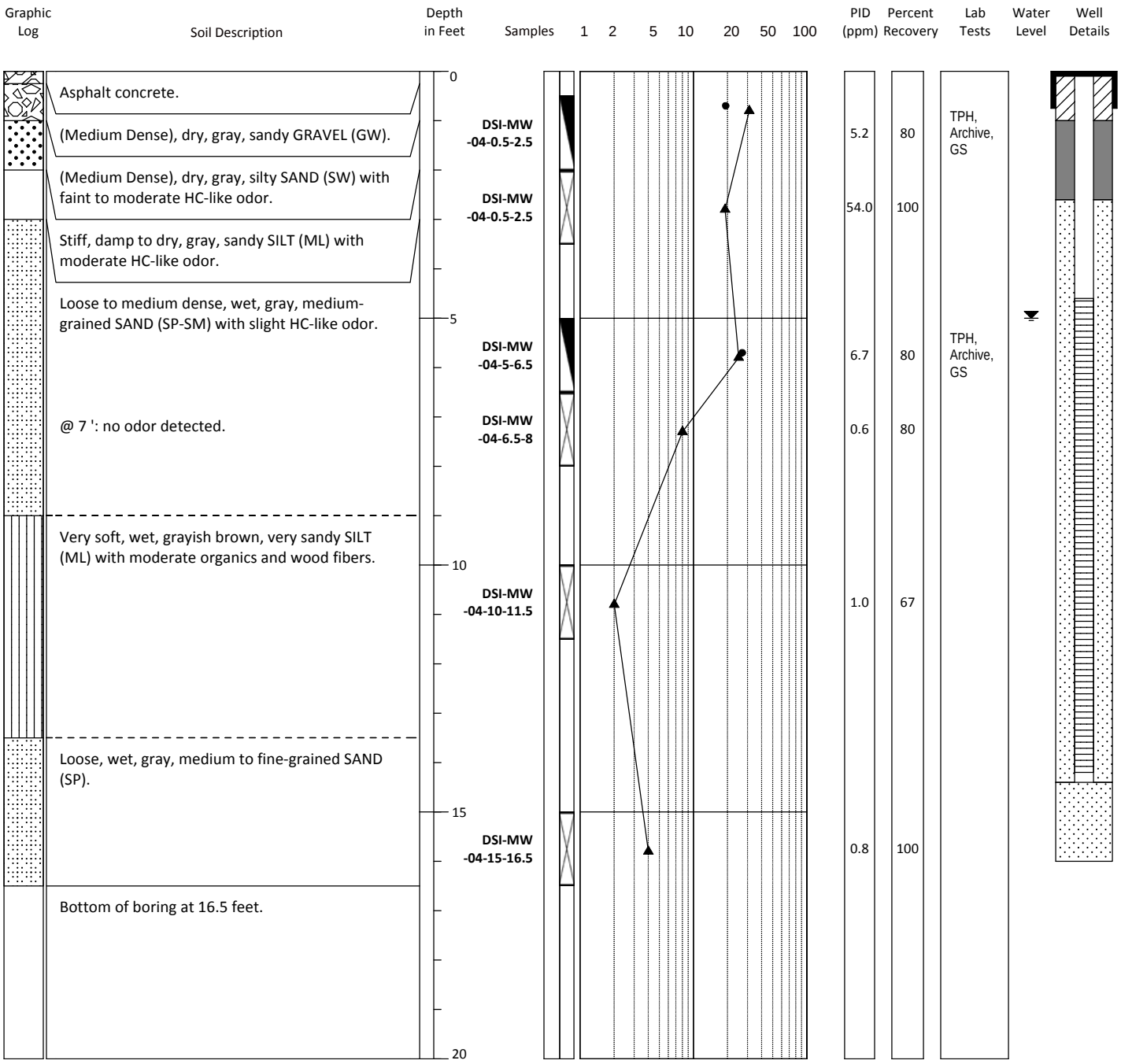
Monitoring Well Log

Sheet: 1 of 1

DSI-MW-04

Project: **Duwamish Shipyard, Inc.**	Ground Surface Elevation in Feet: **15.4**
Project #: **080111-01**	Groundwater Depth (BGS): **5.0**
Client: **DSI**	Northing: **204416.2** Easting: **1267895.0**
Date: **7/14/2009**	Horizontal Datum: **Washington State Plane North NAD 83**
Contractor: **Gregory Drilling**	Vertical Datum: **MLLW**
Operator: **Corey James**	Method: **Hollow-Stem Auger**
Logged By: **Wes MacDonald**	Groundwater Screen Interval: **4.6 - 14.2**

▲ STANDARD PENETRATION



● Water Content (percent)

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1. Refer to Classification Key for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive, and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling or at the time and date specified. Ground water level may vary with time.

^Additional samples taken approximately 5 ft. away to obtain more material for chemistry analyses.

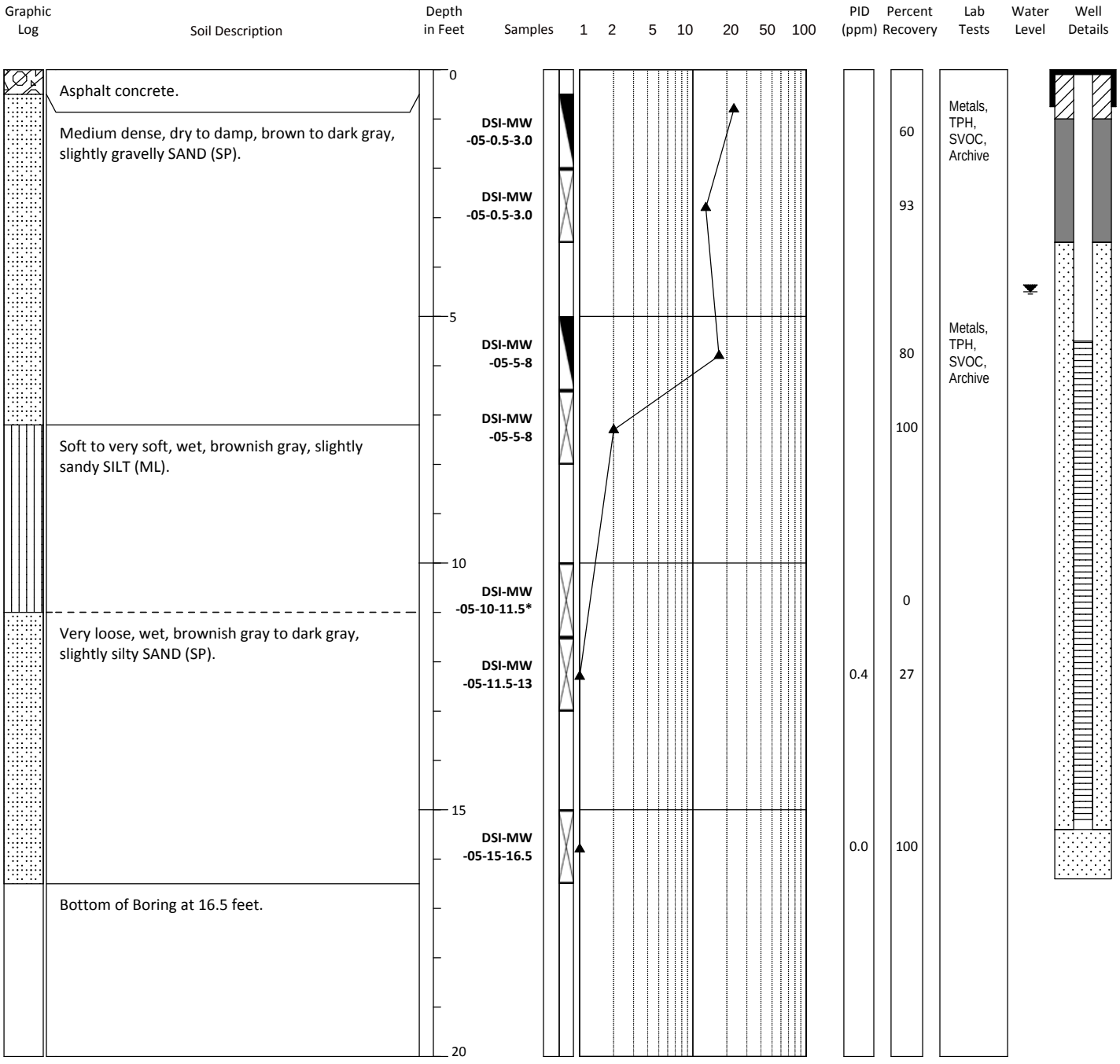
Monitoring Well Log

Sheet: 1 of 1

DSI-MW-05

Project: **Duwamish Shipyard, Inc.**	Ground Surface Elevation in Feet: **15.1**
Project #: **080111-01**	Groundwater Depth (BGS): **4.5**
Client: **DSI**	Northing: **204575.2** Easting: **1267969.8**
Date: **7/14/2009**	Horizontal Datum: **Washington State Plane North NAD 83**
Contractor: **Gregory Drilling**	Vertical Datum: **MLLW**
Operator: **Corey James**	Method: **Hollow-Stem Auger**
Logged By: **Wes MacDonald**	Groundwater Screen Interval: **5.5 - 15.2**

▲ STANDARD PENETRATION



● Water Content (percent)

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1. Refer to Classification Key for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive, and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling or at the time and date specified. Ground water level may vary with time.

^Additional samples taken approximately 5 ft. away to obtain more material for chemistry analyses.

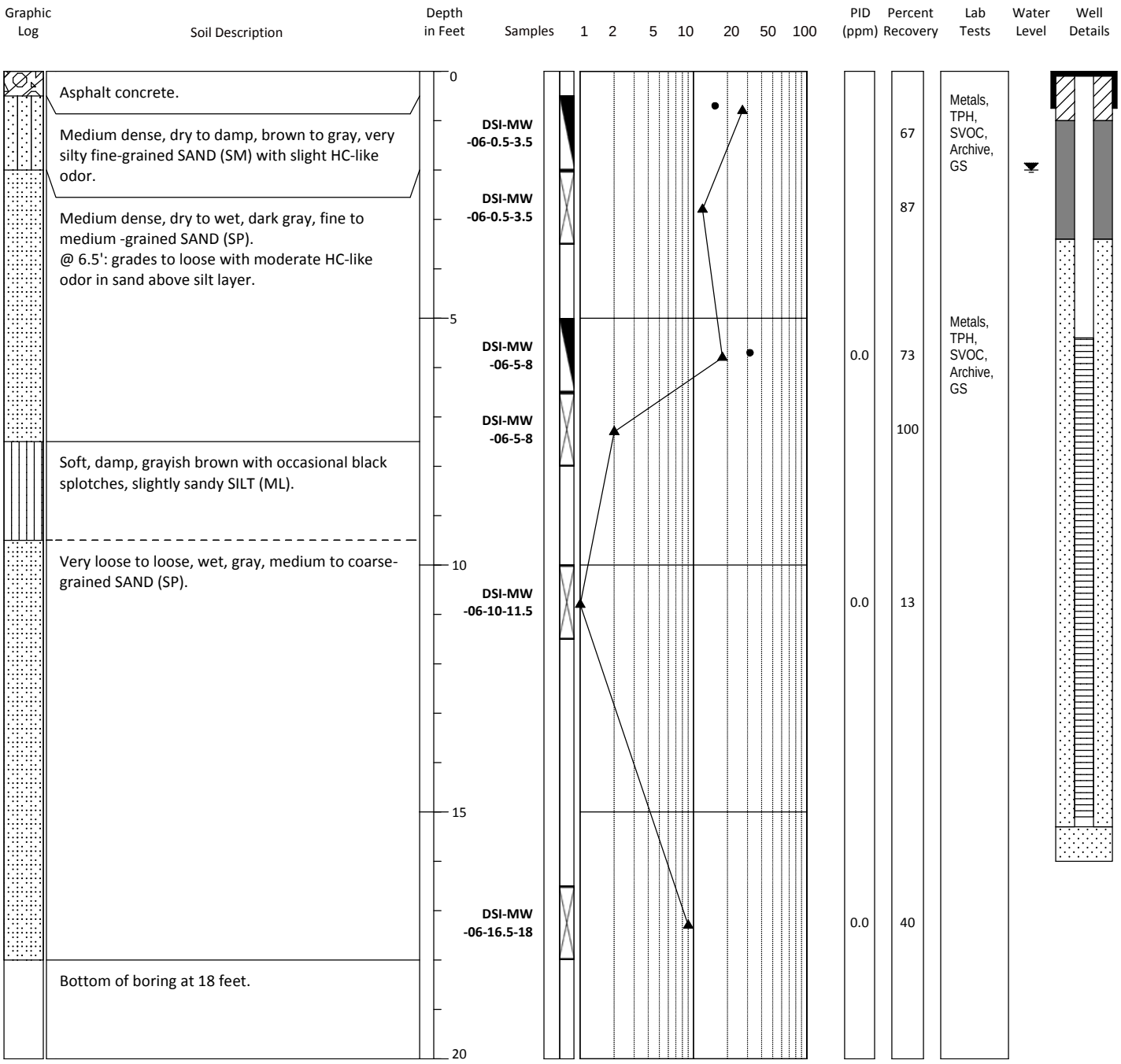
Monitoring Well Log

Sheet: 1 of 1

DSI-MW-06

Project: **Duwamish Shipyard, Inc.**	Ground Surface Elevation in Feet: **14.8**
Project #: **080111-01**	Groundwater Depth (BGS): **2.0**
Client: **DSI**	Northing: **204456.3** Easting: **1267953.3**
Date: **7/15/2009**	Horizontal Datum: **Washington State Plane North NAD 83**
Contractor: **Gregory Drilling**	Vertical Datum: **MLLW**
Operator: **Corey James**	Method: **Hollow-Stem Auger**
Logged By: **Wes MacDonald**	Groundwater Screen Interval: **5.4 - 15.1**

▲ STANDARD PENETRATION



● Water Content (percent)

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1. Refer to Classification Key for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive, and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling or at the time and date specified. Ground water level may vary with time.

^Additional samples taken approximately 5 ft. away to obtain more material for chemistry analyses.

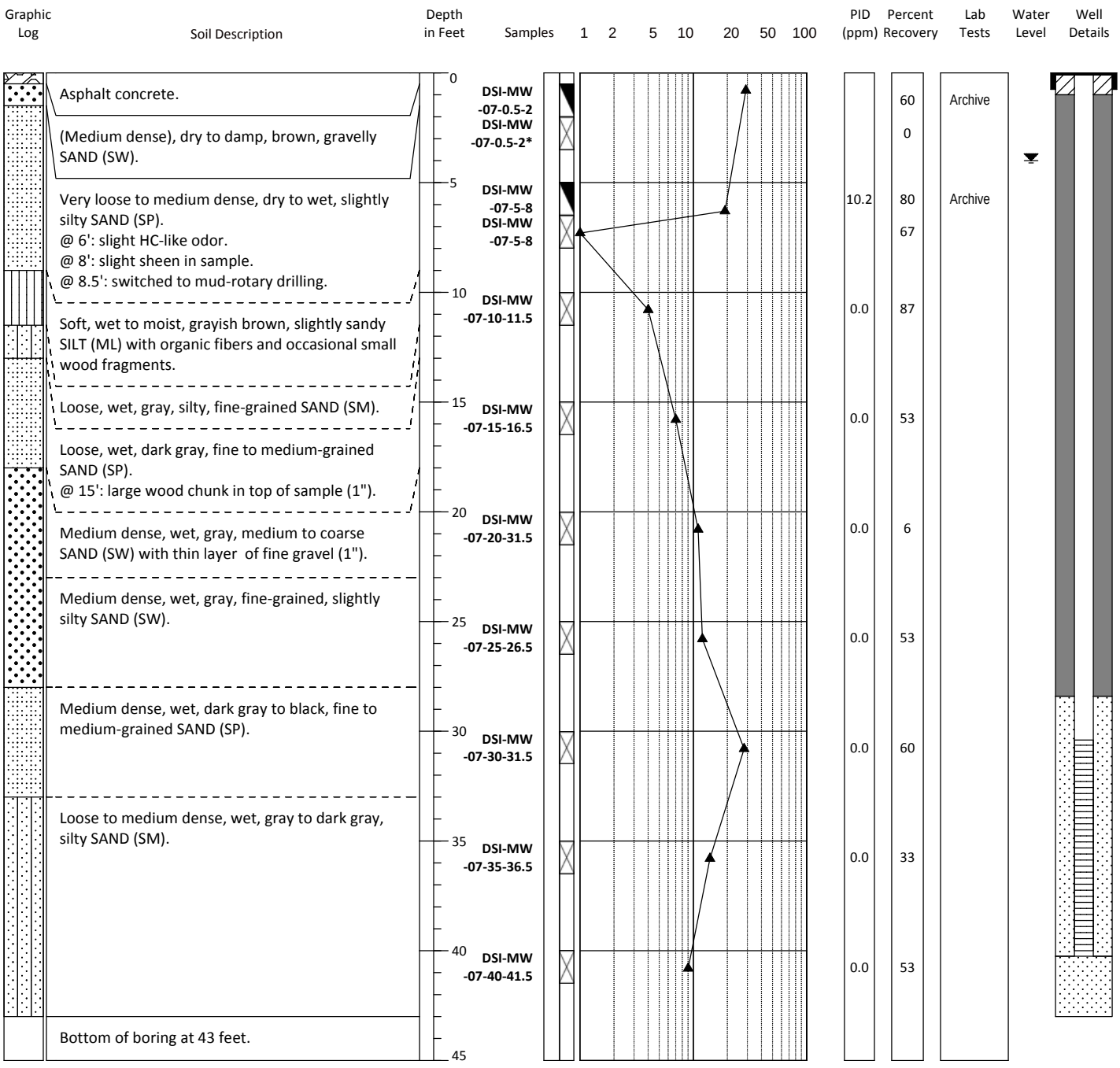
Monitoring Well Log

Sheet: 1 of 1

DSI-MW-07

Project: **Duwamish Shipyard, Inc.**	Ground Surface Elevation in Feet: **14.8**
Project #: **080111-01**	Groundwater Depth (BGS): **4.0**
Client: **DSI**	Northing: **204463.4** Easting: **1267953.3**
Date: **7/15/2009**	Horizontal Datum: **Washington State Plane North NAD 83**
Contractor: **Gregory Drilling**	Vertical Datum: **MLLW**
Operator: **Corey James**	Method: **Hollow-Stem Auger and Mud-Rotary**
Logged By: **Wes MacDonald**	Groundwater Screen Interval: **30.4 - 40**

▲ STANDARD PENETRATION



● Water Content (percent)

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1. Refer to Classification Key for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive, and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling or at the time and date specified. Ground water level may vary with time.

^Additional samples taken approximately 5 ft. away to obtain more material for chemistry analyses.

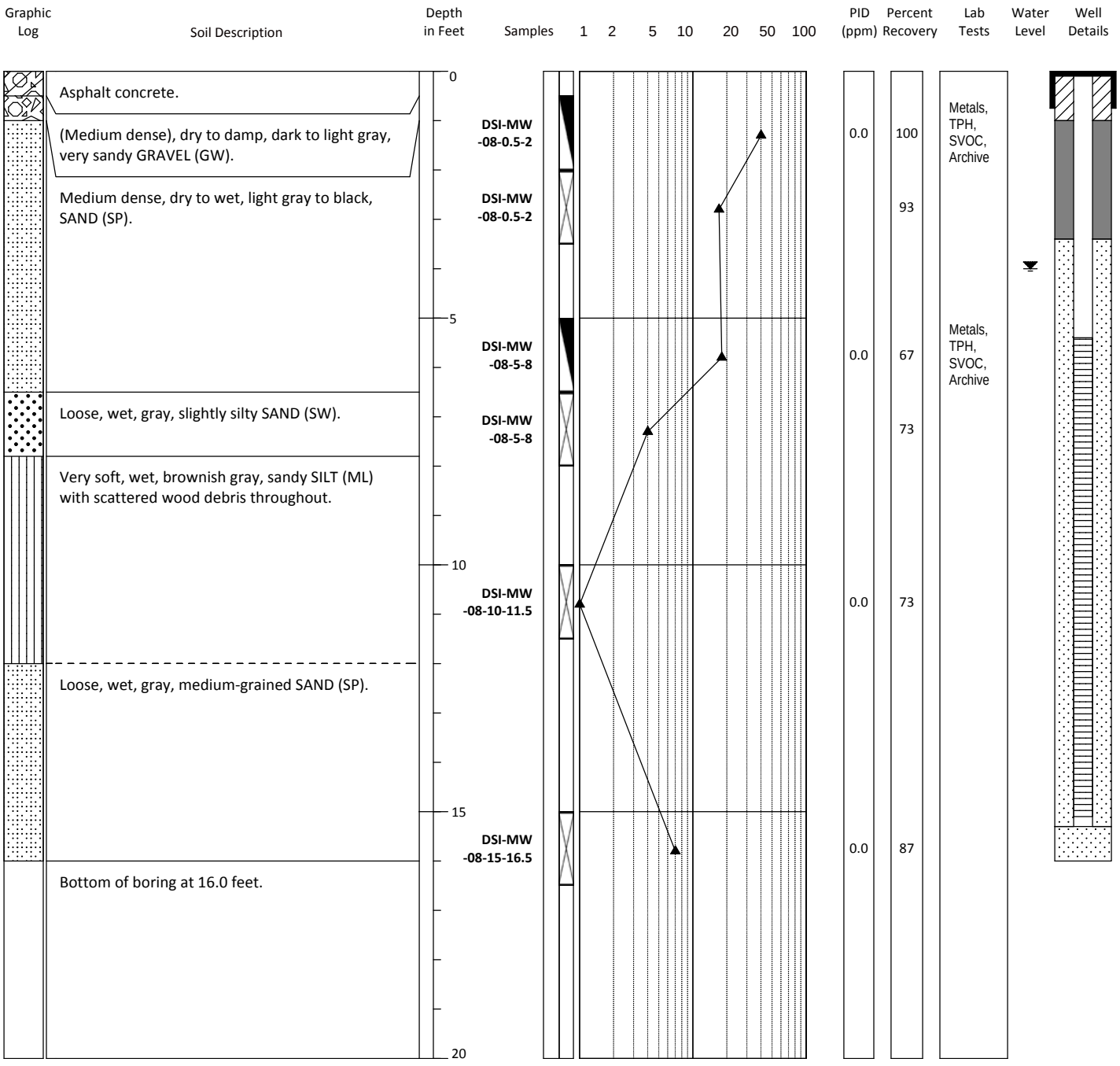
Monitoring Well Log

Sheet: 1 of 1

DSI-MW-08

Project: **Duwamish Shipyard, Inc.**	Ground Surface Elevation in Feet: **14.9**
Project #: **080111-01**	Groundwater Depth (BGS): **4.0**
Client: **DSI**	Northing: **204366.3** Easting: **1267967.6**
Date: **7/15/2009**	Horizontal Datum: **Washington State Plane North NAD 83**
Contractor: **Gregory Drilling**	Vertical Datum: **MLLW**
Operator: **Corey James**	Method: **Hollow-Stem Auger**
Logged By: **Wes MacDonald**	Groundwater Screen Interval: **30.4 - 40**

▲ STANDARD PENETRATION



● Water Content (percent)

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1. Refer to Classification Key for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive, and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling or at the time and date specified. Ground water level may vary with time.

^Additional samples taken approximately 5 ft. away to obtain more material for chemistry analyses.

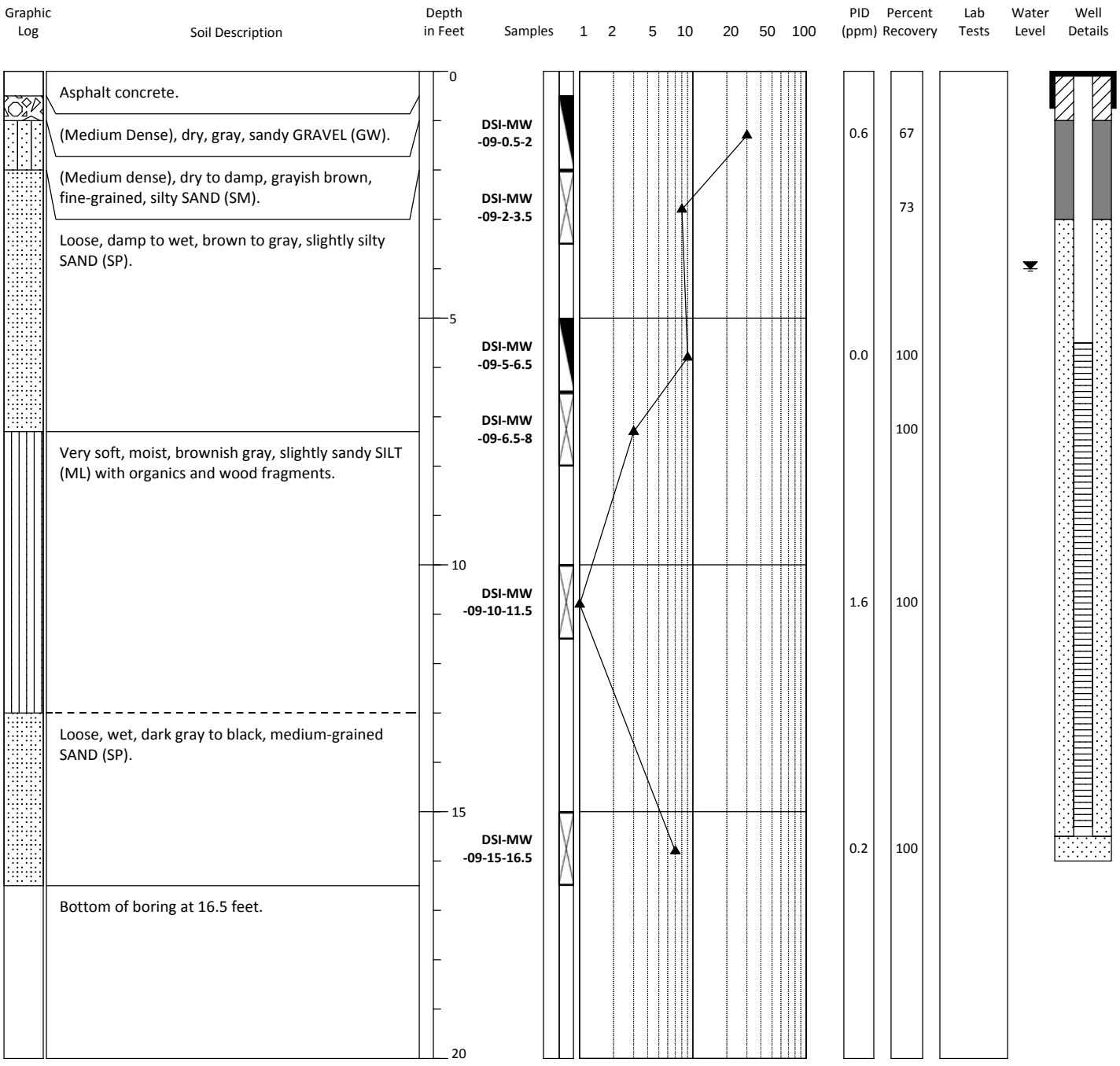
Monitoring Well Log

Sheet: 1 of 1

DSI-MW-09

Project: **Duwamish Shipyard, Inc.**	Ground Surface Elevation in Feet: **14.5**
Project #: **080111-01**	Groundwater Depth (BGS): **4.0**
Client: **DSI**	Northing: **204267.4** Easting: **1267963.8**
Date: **7/14/2009**	Horizontal Datum: **Washington State Plane North NAD 83**
Contractor: **Gregory Drilling**	Vertical Datum: **MLLW**
Operator: **Corey James**	Method: **Hollow-Stem Auger**
Logged By: **Wes MacDonald**	Groundwater Screen Interval: **5.5 - 15.3**

▲ STANDARD PENETRATION



● Water Content (percent)

ANCHOR QEA

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Seattle, WA, 98101

1. Refer to Classification Key for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive, and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling or at the time and date specified. Ground water level may vary with time.

^Additional samples taken approximately 5 ft. away to obtain more material for chemistry analyses.

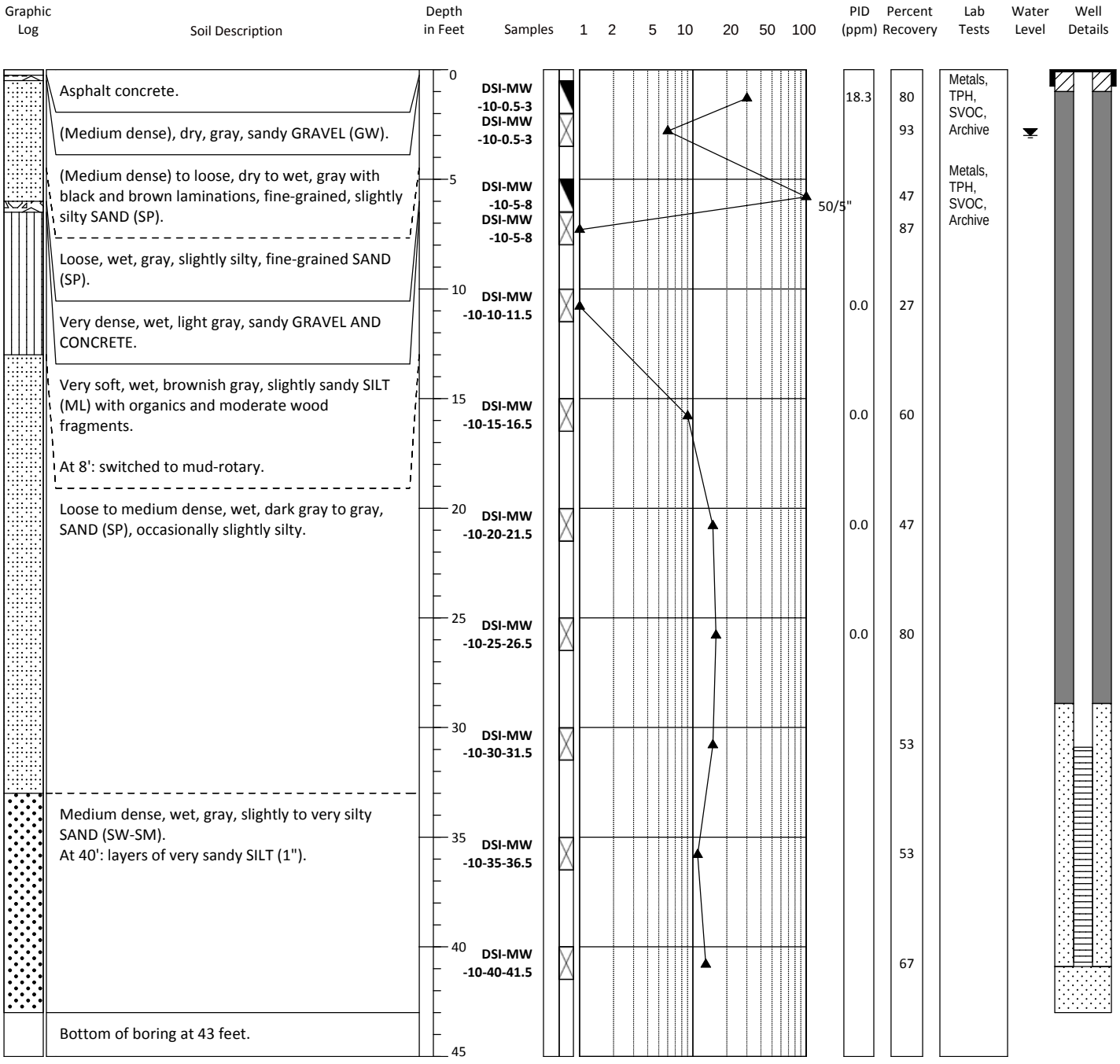
Monitoring Well Log

Sheet: 1 of 1

DSI-MW-10

Project: **Duwamish Shipyard, Inc.**	Ground Surface Elevation in Feet: **14.5**
Project #: **080111-01**	Groundwater Depth (BGS): **4.0**
Client: **DSI**	Northing: **204275.5** Easting: **1267964.6**
Date: **7/14/2009**	Horizontal Datum: **Washington State Plane North NAD 83**
Contractor: **Gregory Drilling**	Vertical Datum: **MLLW**
Operator: **Corey James**	Method: **Hollow-Stem Auger and Mud-Rotary**
Logged By: **Wes MacDonald**	Groundwater Screen Interval: **30.9 - 40.7**

▲ STANDARD PENETRATION



● Water Content (percent)

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Seattle, WA, 98101

1. Refer to Classification Key for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive, and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling or at the time and date specified. Ground water level may vary with time.

^Additional samples taken approximately 5 ft. away to obtain more material for chemistry analyses.

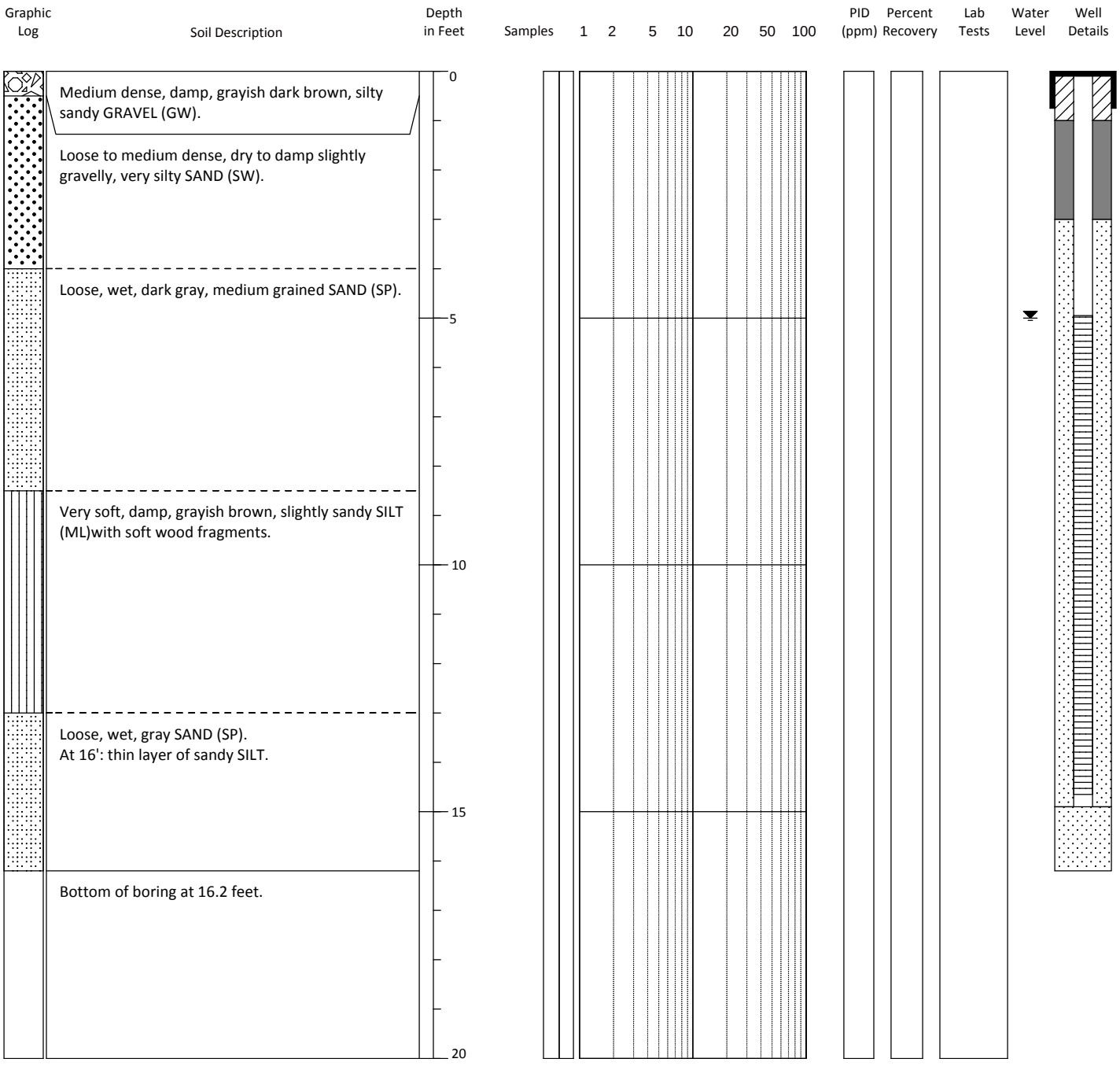
Monitoring Well Log

Sheet: 1 of 1

DSI-PZ-01

Project: **Duwamish Shipyard, Inc.**	Ground Surface Elevation in Feet: **15.3**
Project #: **080111-01**	Groundwater Depth (BGS): **5.0**
Client: **DSI**	Northing: **204468.6** Easting: **1267724.5**
Date: **7/13/2009**	Horizontal Datum: **Washington State Plane North NAD 83**
Contractor: **Gregory Drilling**	Vertical Datum: **MLLW**
Operator: **Corey James**	Method: **Hollow-Stem Auger**
Logged By: **Wes MacDonald**	Groundwater Screen Interval: **4.95 - 14.65**

▲ STANDARD PENETRATION



● Water Content (percent)

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1. Refer to Classification Key for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive, and actual changes may be gradual.
3. Ground water level, if indicated, is at time of drilling or at the time and date specified. Ground water level may vary with time.

^Additional samples taken approximately 5 ft. away to obtain more material for chemistry analyses.

SOIL BORINGS

Soil Boring Log

Sheet: 1 of 1

DSIP2-01

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **14.65**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **8** Feet (MLLW): **6.65**
Collection Date: **11/22/2013**	Northing: **204573.92** Easting: **1267569.74**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Laura Hanna/Julia Fitts**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	POORLY GRADED SAND WITH GRAVEL (SP): 0.0-3.5ft: Loose, dry, brown to gray, 85% sand (fine to coarse), 15% gravel (fine to coarse).	0		0.4	DSIP2-01-2.5-4.5	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SILT (ML): 3.5-4.5ft: Medium stiff, dry, gray, low plasticity, 95% fines (silt), 5% sand (fine).					
	POORLY GRADED SAND (SP): 4.5-9.0ft: Loose, moist, brown to dark gray, 100% sand (medium to coarse).	5		0.6	DSIP2-01-5-7	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	@8.0ft: Grades to medium dense, wet.		▼	0.4	DSIP2-01-7-9	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SILT (ML): 9.0-10.0ft: Medium stiff, moist, gray, low plasticity, 100% fines (silt). Trace organic matter (sticks, <5%).	10		0.3		
	ORGANIC SILT (ML): 10.0-15ft: Stiff, moist, light brown, low plasticity, 100% fines (silt). Organic matter (wood fibers, 30%).				DSIP2-01-9.5-11.5	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	@13.0ft: Decrease in organic matter (15%).			0.5		
	@14.0ft: Grades to 5% sand (fine), trace organic matter (5%).					
	End of core @15.0ft.	15				

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206-287-9130

Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

Soil Boring Log

Sheet: 1 of 1

DSIP2-02

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **15.98**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **8** Feet (MLLW): **7.98**
Collection Date: **11/22/2013**	Northing: **204456.85** Easting: **1267562.38**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	POORLY GRADED SAND WITH GRAVEL (SP): 0.0-4.0ft: Loose, dry, brown to gray, 80% sand (medium to coarse), 20% gravel (fine to coarse). @2.0ft: Gravel content increases to 40%.	0		1.4	**DSIP2-02-2-4**	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SILT (ML): 4.0-5.0ft: Medium stiff, moist, gray, low plasticity, 90% fines (silt), 10% sand (fine). Trace organic matter (wood fibers, <5%).	5		1.3	**DSIP2-02-5-7**	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	POORLY GRADED SAND (SP): 5.0-10.0ft: Loose, moist, gray, 100% sand (medium), trace gravel (coarse). @8.0ft: Grades to wet. @9.0ft: Grades to medium dense, 100% sand (fine to medium). Trace organic matter (sticks, <5%).		▼	0.4	**DSIP2-02-8-10**	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	ORGANIC SILT (ML): 10.0-13.5ft: Medium stiff, moist, light brown, low plasticity, 100% fines (silt). Organic matter (wood fibers, 15%), trace hydrogen sulfide-like odor.	10		1.1 1.4	**DSIP2-02-11-13**	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SILTY SAND (SM): 13.5-15.0ft: Wet, gray, 70% sand (fine), 30% fines (silt). End of core @15.0ft.	15				

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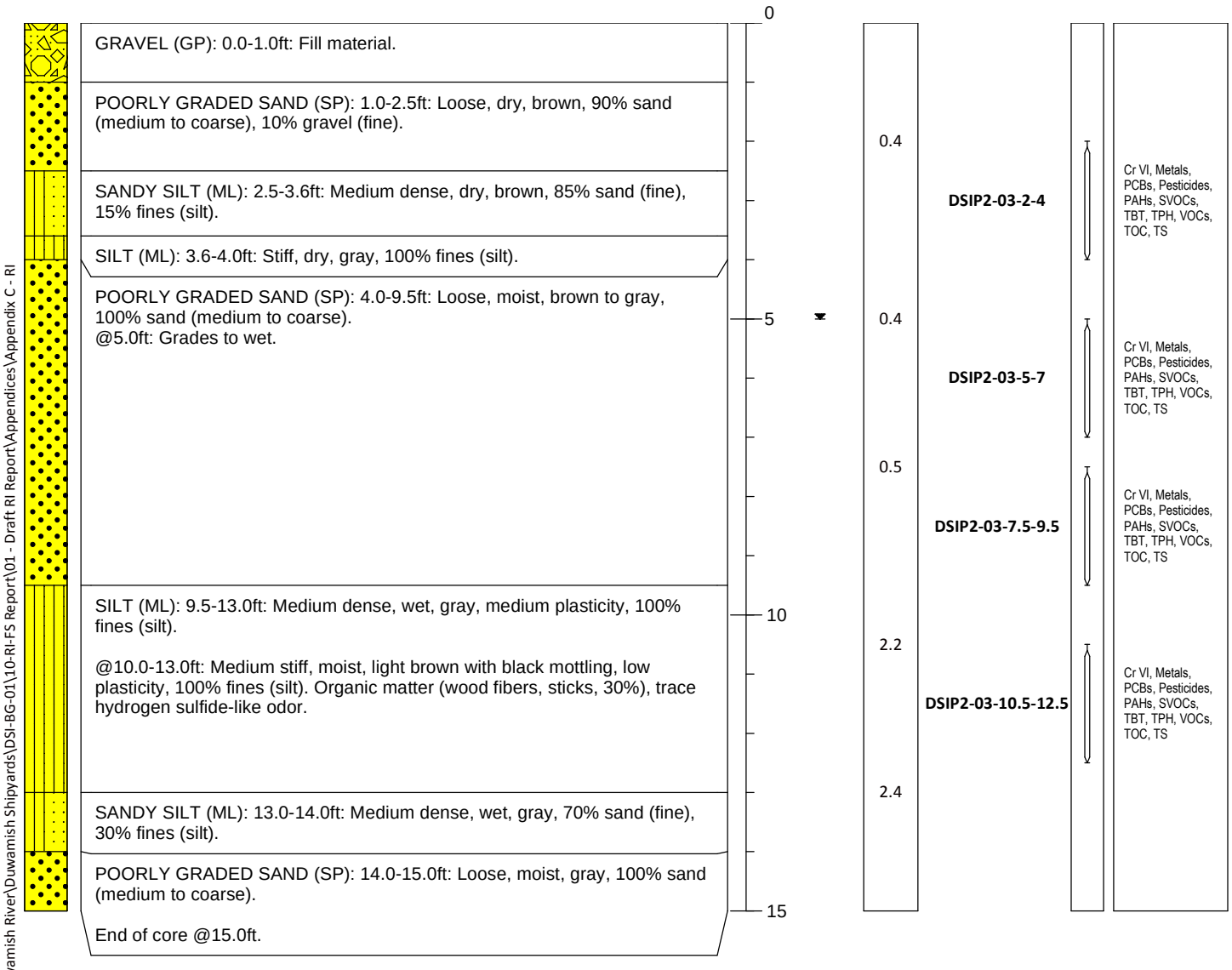
Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).
2. Boring was converted to a shallow monitoring well screened between 5-15ft bgs.

Soil Boring Log

Sheet: 1 of 1

DSIP2-03

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **17.33**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **5** Feet (MLLW): **12.33**
Collection Date: **12/4/2013**	Northing: **204356.99** Easting: **1267719.57**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**



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Notes:

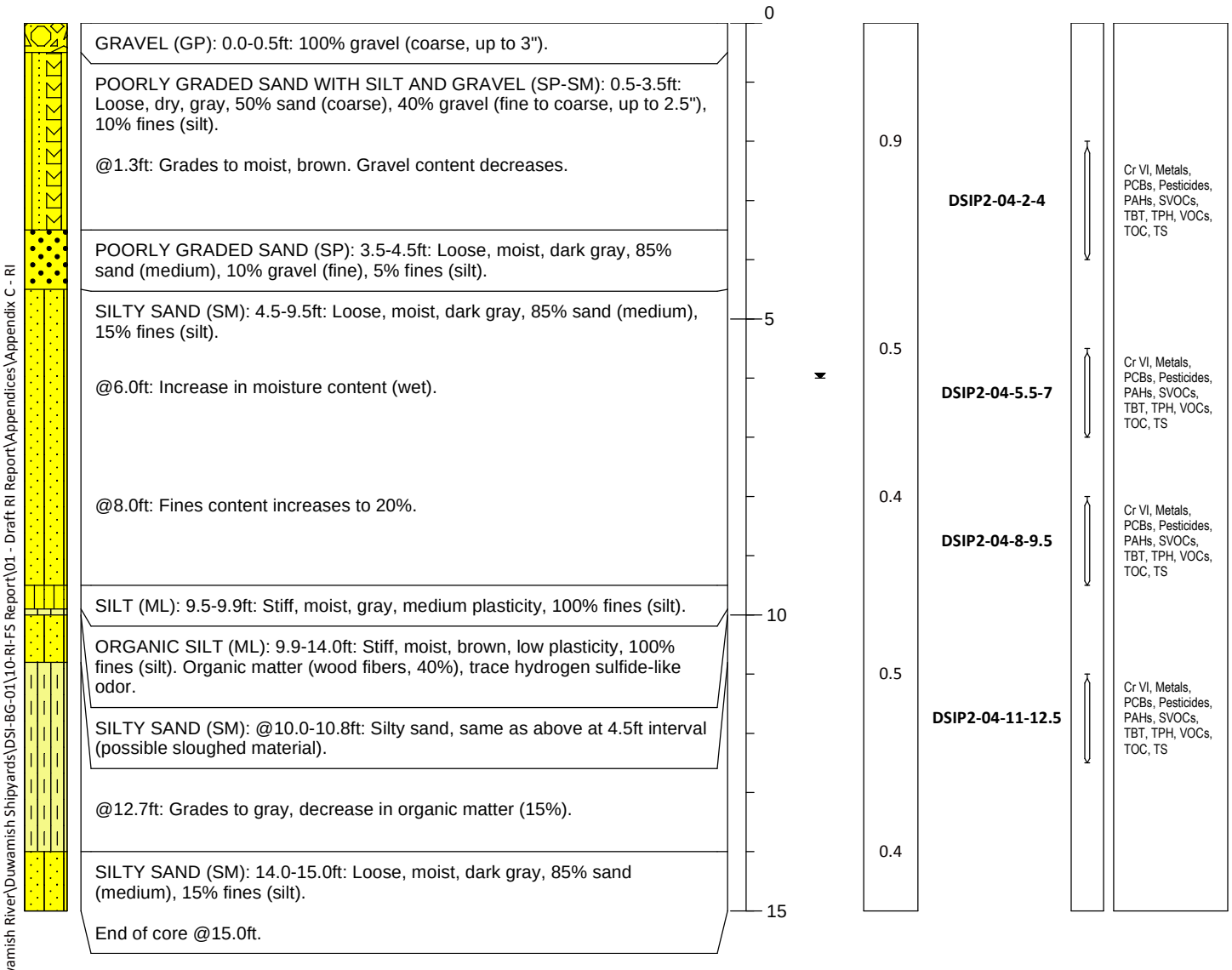
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

Soil Boring Log

Sheet: 1 of 1

DSIP2-04

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **16.13**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **5** Feet (MLLW): **11.13**
Collection Date: **12/4/2013**	Northing: **204362.24** Easting: **1267759.22**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Evan Malczyk**



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Notes:

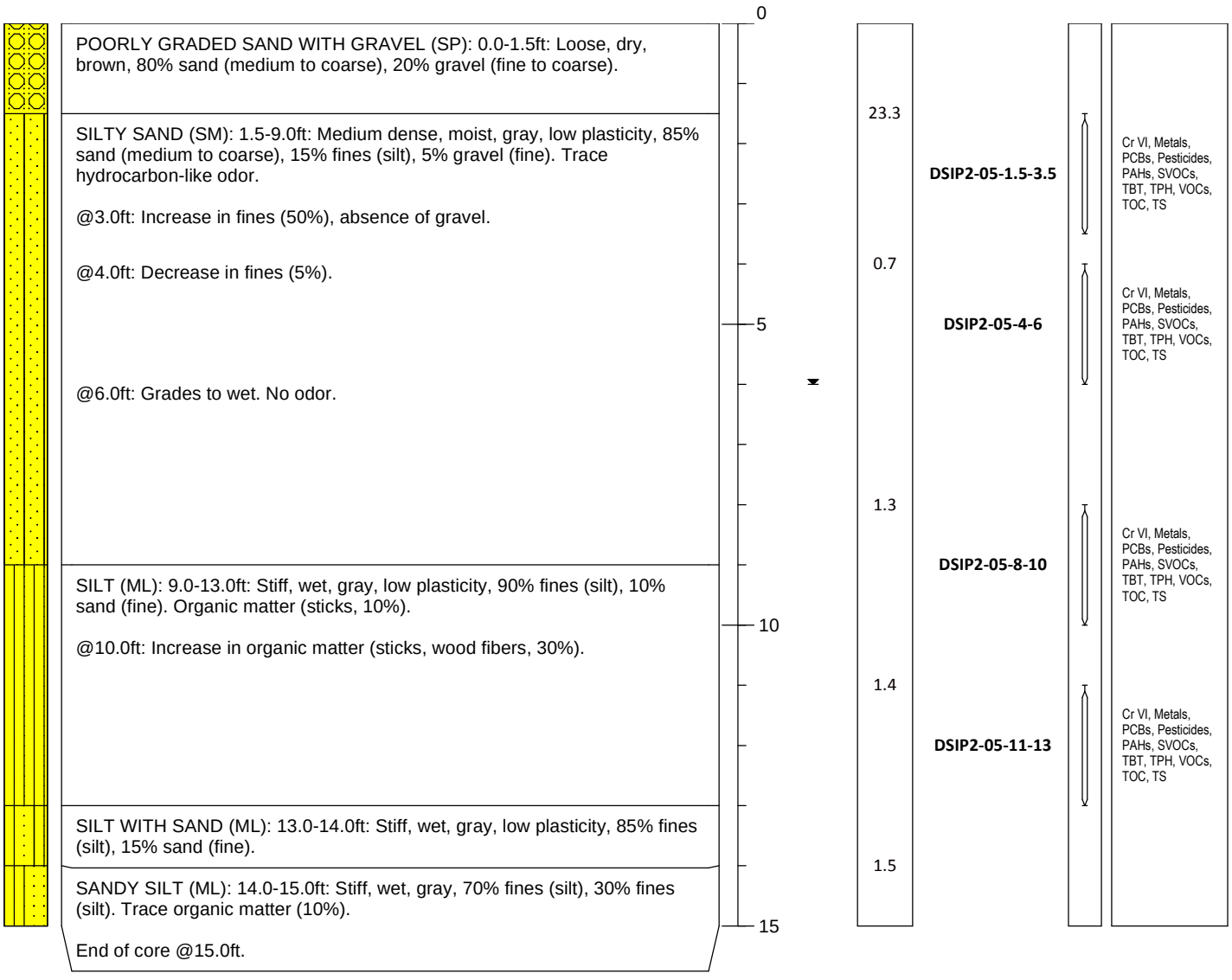
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

Soil Boring Log

Sheet: 1 of 1

DSIP2-05

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **15.72**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **6** Feet (MLLW): **9.72**
Collection Date: **11/20/2013**	Northing: **204370.83** Easting: **1267858.93**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**



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Notes:

1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

Soil Boring Log

Sheet: 1 of 1

DSIP2-06

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **15.23**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **6.5** Feet (MLLW): **8.73**
Collection Date: **11/25/2013**	Northing: **204456.6** Easting: **1267821.7**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Laura Hanna**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	POORLY GRADED SAND WITH GRAVEL (SP): 0.0-3.0ft: Loose, moist, gray to brown, 85% sand (medium to coarse), 15% gravel (fine to coarse).	0		2.4	DSIP2-06-2-4	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	POORLY GRADED SAND (SP): 3.0-8.0ft: Loose, moist, brown to dark, 100% sand (medium to coarse).			55.8	DSIP2-06-4-6	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	@6.0-7.0ft: Rainbow-like sheen.	5	▼	31.1	DSIP2-06-6-8	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	@6.5ft: Grades to medium dense, wet, increase in fine sand. Trace hydrocarbon-like odor.					
	ORGANIC SILT (ML): 8.0-10.0ft: Medium dense, moist, brown, low plasticity, 90% fines (silt), 10% sand (fine). Trace organic matter (woody debris and fibers, <5%).			1.1	DSIP2-06-8.5-10	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SILT (ML): 10.0-15.0ft: Stiff, moist, brown to gray, low plasticity, 100% fines (silt). Trace organic matter (sticks and woody fibers, <5%).	10				
	@12.0-12.5ft: Medium sand content increases to 20%, grades back to 100% silt by 12.5ft.			0.8		
	@14.5ft: Fine sand present and increases to 5%.					
	End of core @15.0ft.	15				

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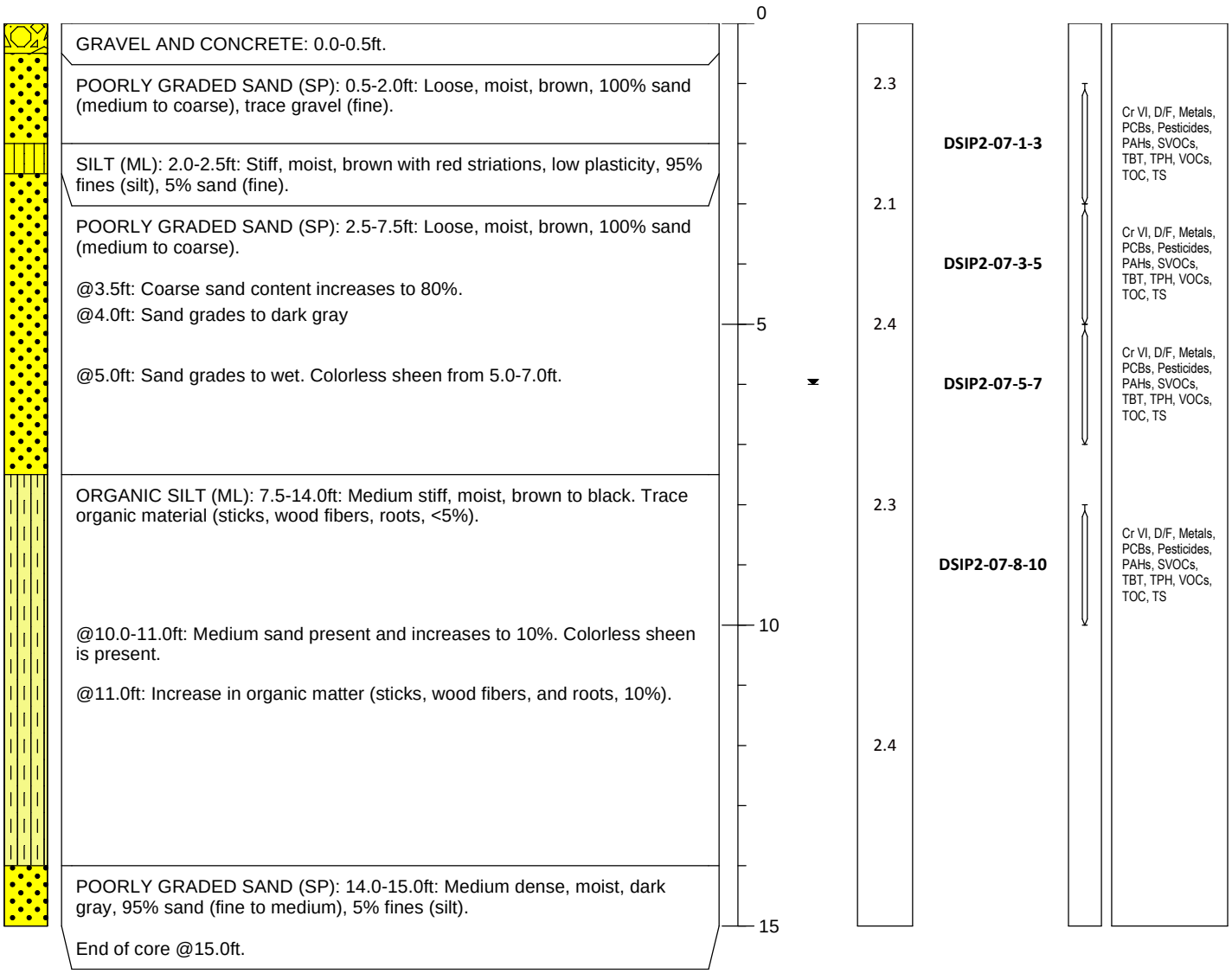
Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).
2. Boring was converted to a shallow monitoring well screened between 5-15ft bgs.

Soil Boring Log

Sheet: 1 of 1

DSIP2-07

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **15.67**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **6** Feet (MLLW): **9.67**
Collection Date: **11/26/2013**	Northing: **204592.61** Easting: **1267896.21**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Laura Hanna**



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Notes:

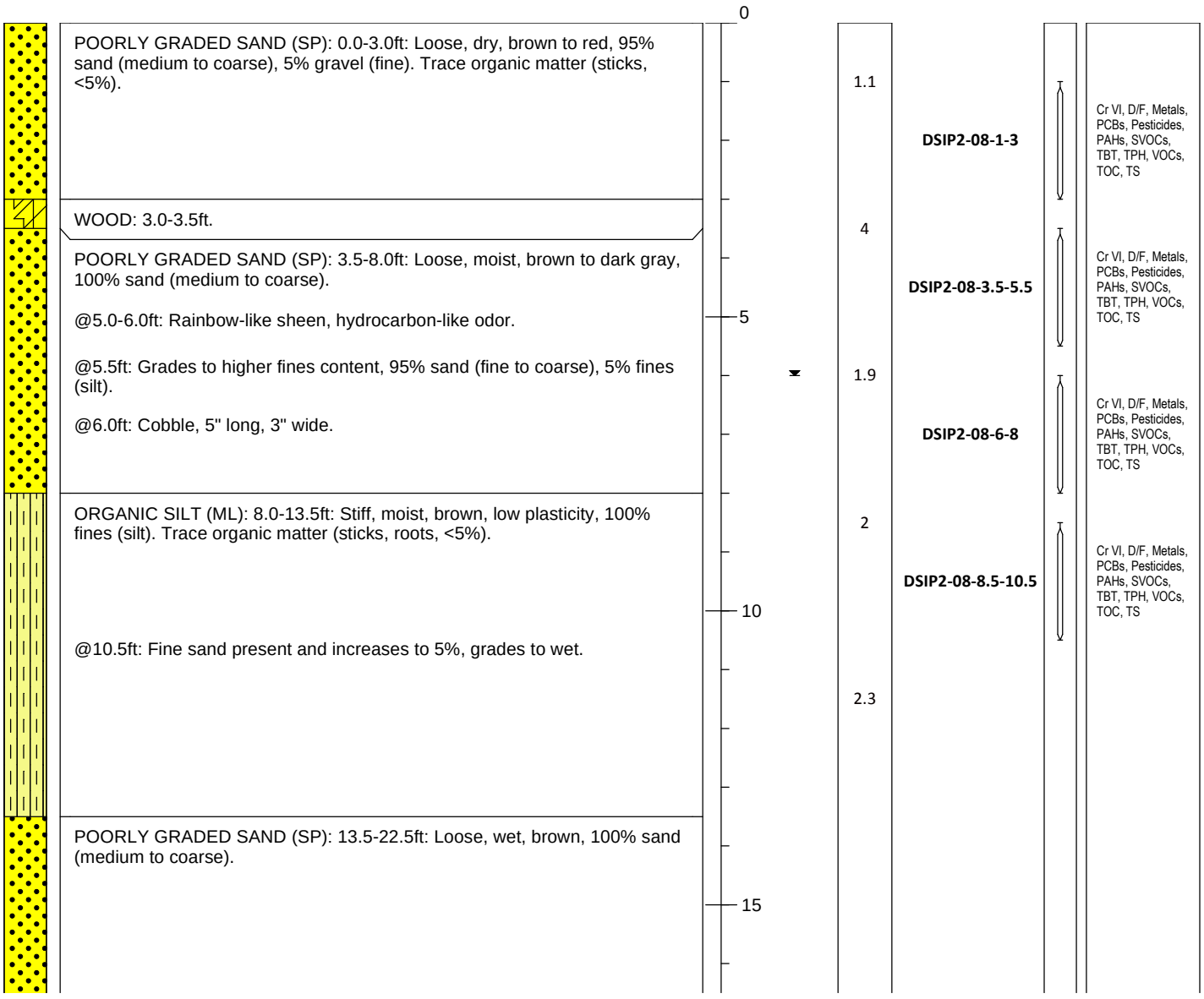
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

Soil Boring Log

Sheet: 1 of 2

DSIP2-08

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **14.95**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **6.0** Feet (MLLW): **8.95**
Collection Date: **11/26/2013**	Northing: **204592.4** Easting: **1267991.8**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Laura Hanna**



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206-287-9130

Notes:

1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

2. Boring was converted to a mid-depth monitoring well screened between 18-28ft bgs.

Soil Boring Log

Sheet: 2 of 2

DSIP2-08

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **14.95**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **6.0** Feet (MLLW): **8.95**
Collection Date: **11/26/2013**	Northing: **204592.4** Easting: **1267991.8**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Laura Hanna**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	@16.5-17.5ft: Grades to 90% fine sand, 10% medium to coarse sand. Trace organic matter (sticks, roots, <5%).	20				
	@22.5ft: Trace organic matter (sticks, <5%).					
	SILT (ML): 22.5-26.0ft: Medium stiff, wet, brown, low plasticity, 100% fines (silt).					
	@25ft: 3" layer of 90% fine sand, 10% fines (silt).	25				
	POORLY GRADED SAND (SP): 26.0-27.5ft: Loose, moist, dark gray, 100% sand (fine).					
	SILT (ML): 27.5-28.0ft: Stiff, wet, dark gray, low plasticity, 100% fines (silt).					
	End of core @ 28.0ft.					

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Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).
2. Boring was converted to a mid-depth monitoring well screened between 18-28ft bgs.

Soil Boring Log

Sheet: 1 of 1

DSIP2-09

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **14.68**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **N/A** Feet (MLLW): **N/A**
Collection Date: **11/25/2013**	Northing: **204347.85** Easting: **1268002.99**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Kellee Christensen**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	ASPHALT: 0.0-0.2ft.	0				
	POORLY GRADED SAND (SP): 0.2-2.0ft: Loose, dry, brown, 95% sand (medium to coarse), 5% gravel (fine). @2.0-3.0ft: Fines content increases.			4.6	DSIP2-09-2-4	Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
		5		13.8	DSIP2-09-4.5-6.5	Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SILT (ML): 6.3-10.0ft: Medium stiff, moist, light gray with trace black mottling (<5%), low plasticity, 100% fines (silt). @7.8ft: Trace organic matter (wood fragments, <5%).			3.1	DSIP2-09-7-9	Cr VI, D/F, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	POORLY GRADED SAND (SP): 10.0-11.6ft: Loose, moist, gray, 100% sand (fine to medium).	10		9.8		
	SANDY SILT (ML): 11.6-15.0ft: Medium dense, moist, gray, 80% fines (silt), 20% sand (fine). End of core @15.0ft.			4.3		
		15				

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206-287-9130

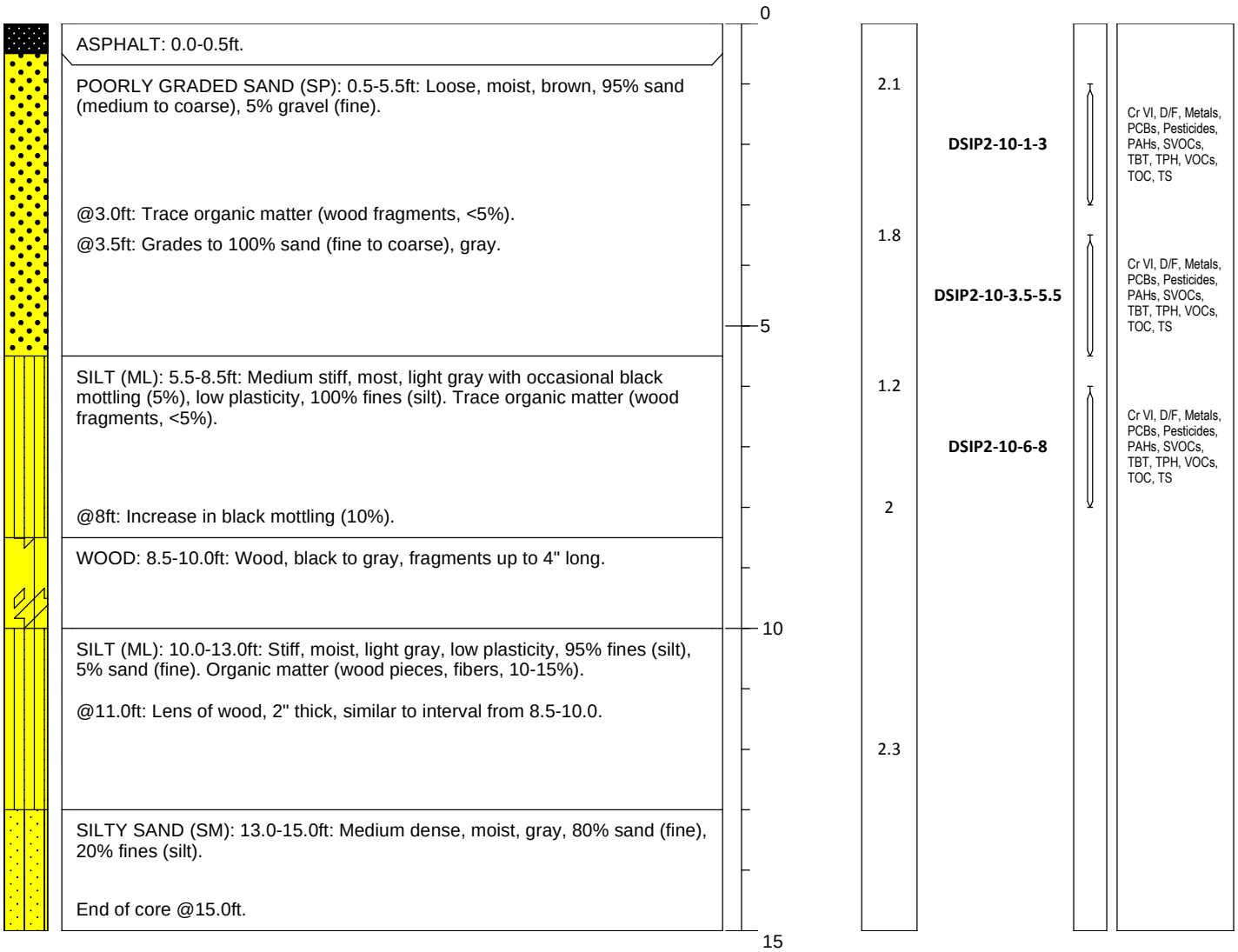
Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

Soil Boring Log

Sheet: 1 of 1

DSIP2-10

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **14.03**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **N/A** Feet (MLLW): **N/A**
Collection Date: **11/25/2013**	Northing: **204286.98** Easting: **1267966.58**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**



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ANCHOR QEA

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206-287-9130

Notes:

1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

Soil Boring Log

Sheet: 1 of 1

DSIP2-11

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **16.12**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **5** Feet (MLLW): **11.12**
Collection Date: **12/4/2013**	Northing: **204368.73** Easting: **1267128.73**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Evan Malczyk**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	CONCRETE: 0.0-1.0ft.	0				
	SILTY SAND WITH GRAVEL (SM): 1.0-1.8ft: Loose, moist, dark gray, 50% sand (coarse), 25% gravel (coarse), 25% fines (silt).			0.4	DSIP2-11-1.5-3	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	POORLY GRADED SAND (SP): 1.8-5.0ft: Loose, moist, dark gray, 90% sand (medium), 10% fines (silt).			0.4	DSIP2-11-3.5-5	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	SILTY SAND (SM): 5.0-7.5ft: Loose, moist, dark gray, 80% sand (fine), 20% fines (silt).	5	▼	0.3	DSIP2-11-5.5-7	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	SILT (ML): 7.5-14.7ft: Stiff, moist, brownish gray with black mottling, low to medium plasticity, 100% fines (silt).			0.5	DSIP2-11-9-11	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	@11.0ft: Grades to low plasticity fines. Contains trace organic matter (wood fibers, 5%). Black mottling decreases to 0%, trace hydrogen sulfide-like odor.	10				
	@13.0ft: Increase in organic matter (15%).			0.4		
	SANDY SILT (ML): 14.7-15.0ft: Stiff, moist, brownish gray, 60% fines (silt), 40% sand (fine).	15				
	End of core @15.0ft.					

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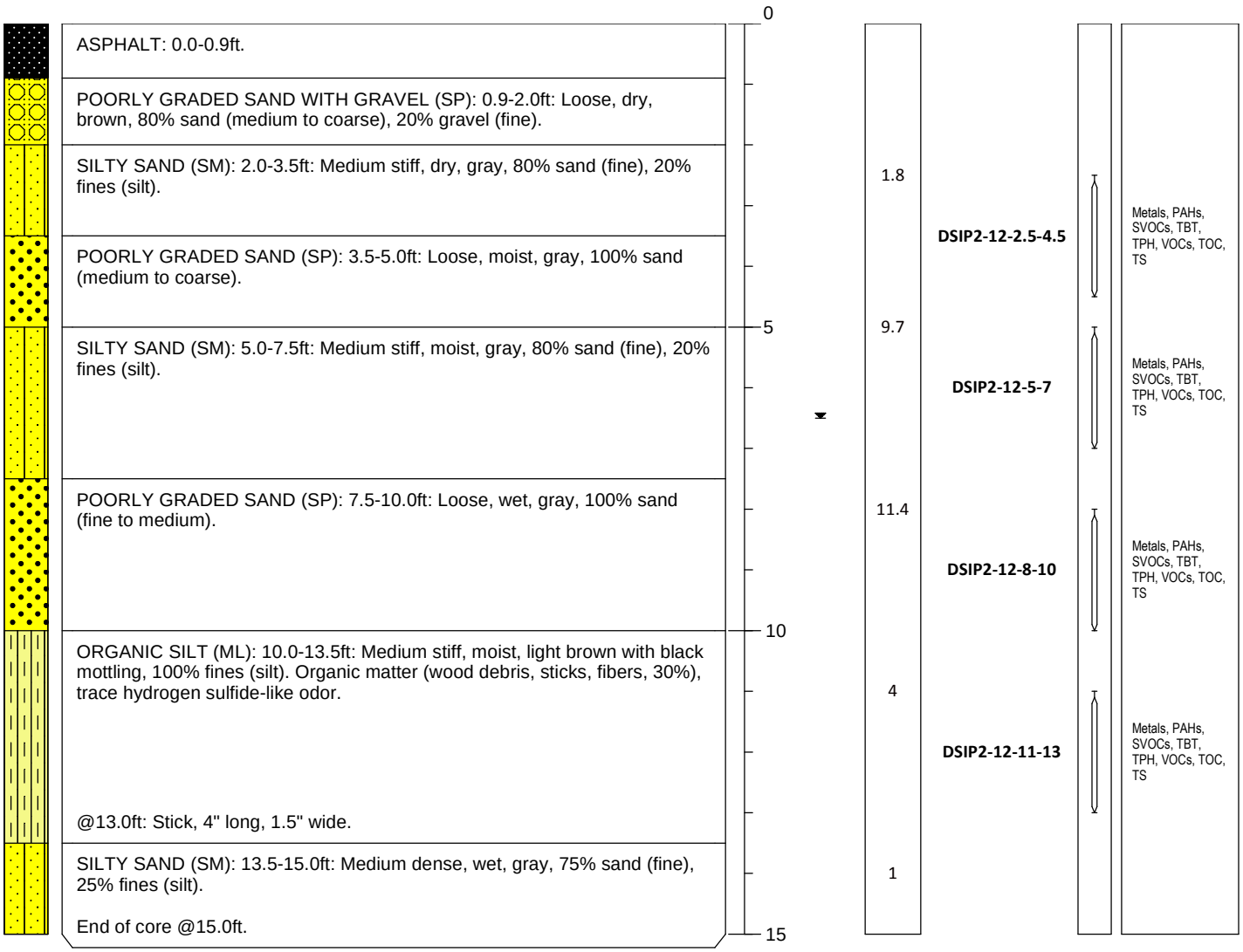
Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

Soil Boring Log

Sheet: 1 of 1

DSIP2-12

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **15.83**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **6.5** Feet (MLLW): **9.33**
Collection Date: **12/4/2013**	Northing: **204371.54** Easting: **1267281.17**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**



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Notes:

1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

Soil Boring Log

Sheet: 1 of 1

DSIP2-13

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **15.86**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **7** Feet (MLLW): **8.86**
Collection Date: **11/21/2013**	Northing: **204365.45** Easting: **1267446.25**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	ASPHALT: 0.0-1.0ft.	0				
	VOID: 1.0-1.5ft.					
	POORLY GRADED SAND WITH GRAVEL (SP): 1.5-3.0ft: Loose, moist, gray, 60% sand (fine to coarse), 40% gravel (fine to coarse).			2.4	DSIP2-13-2-3.5	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	POORLY GRADED SAND (SP): 3.0-5.0ft: Loose, moist, gray, 95% sand (fine to medium), 5% fines (silt).			2.1	DSIP2-13-3.5-5	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	VOID: 5.0-6.5ft.	5				
	POORLY GRADED SAND (SP): 6.5-7.0ft: Loose, wet, gray, 95% sand (fine to medium), 5% fines (silt).		▼	2.4	DSIP2-13-6-8	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	ORGANIC SILT (ML): 7.0-14.5ft: Medium stiff, moist, light brown, low plasticity, 95% fines (silt), 5% sand (fine). Organic matter (wood debris, fibers, 15%), trace hydrogen sulfide-like odor.			2.3	DSIP2-13-9-11	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	@10.0ft: Increase in organic matter (sticks, 30%).	10				
	@11ft: Grades to gray, decrease in organic matter (10%).			1		
	POORLY GRADED SAND (SP): 14.5-15.0ft: Medium dense, wet, gray, 100% sand (fine to medium).	15				
	End of core @15.0ft.					

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Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).
2. Boring was converted to a shallow monitoring well screened between 5-15ft bgs.

Soil Boring Log

Sheet: 1 of 1

DSIP2-14

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **16.03**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **7** Feet (MLLW): **9.03**
Collection Date: **11/21/2013**	Northing: **204378.75** Easting: **1267473.67**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	POORLY GRADED SAND WITH GRAVEL (SP): 0.0-1.0ft: Loose, most, gray, 75% sand (coarse), 25% gravel (fine to coarse).	0		1.7	DSIP2-14-1-3	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	POORLY GRADED SAND WITH SILT (SP-SM): 1.0-3.0ft: Soft, moist, gray, 90% sand (fines), 10% fines (silt).			1.9	DSIP2-14-3-5	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	POORLY GRADED SAND (SP): 3.0-5.5ft: Loose, moist, gray, 100% sand (medium to coarse).	5		1.5	DSIP2-14-6-8	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	POORLY GRADED SAND WITH SILT (SP-SM): 5.5-8ft: Loose, moist, gray, 90% sand (fine to medium), 10% fines (silt). @6.5ft: Grades to wet.		▼			
	ORGANIC SILT (ML): 8.0-10.0ft: Medium dense, moist, brown, 95% fines (silt), 5% sand (fine). Organic matter (wood fibers, sticks, 15%), trace hydrogen sulfide-like odor.			0.7	DSIP2-14-9-11	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	POORLY GRADED SAND WITH SILT (SP-SM): 10.0-12.0ft: Medium dense, wet, gray, 90% sand (fine), 10% fines (silt).	10				
	ORGANIC SILT (ML): 12.0-14.0ft: Medium dense, moist, brown, 90% fines (silt), 10% sand (fine). Organic matter (wood fibers, sticks, 10%), trace hydrogen sulfide-like odor.			0.2		
	POORLY GRADED SAND WITH SILT (SP-SM): 14.0-15.0ft: Medium dense, wet, gray, 90% sand (fine), 10% fines (silt). End of core @15.0ft.	15				

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Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

Soil Boring Log

DSIP2-15

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **15.67**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **6.5** Feet (MLLW): **9.17**
Collection Date: **11/21/2013**	Northing: **204385.33** Easting: **1267509.17**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	POORLY GRADED SAND WITH GRAVEL (SP): 0.0-2.0ft: Loose, dry, brown to dark gray, 80% sand (medium to coarse), 20% gravel (fine to coarse).	0				
	SILTY SAND (SM): 2.0-3.0ft: Medium dense, moist, gray, 85% sand (fine), 15% fines (silt).			0.8	**DSIP2-15-2-4**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	POORLY GRADED SAND (SP): 3.0-8.5ft: Loose, moist, gray, 100% sand (fine to medium).			1.3		
	@5.0ft: Fines present and increase to 5%.	5			**DSIP2-15-4-6**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	@6.5ft: Grades to wet, fines content increases to 10%.		▼	1.7	**DSIP2-15-6-8**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	ORGANIC SILT (ML): 8.5-14.0ft: Medium stiff, wet, light brown, low plasticity, 95% fines (silt), 5% sand (fine). Organic matter (wood fragments, fibers, 30%), trace hydrogen sulfide-like odor.			2		
	@10.0ft: Sand content increases to 15%.	10			**DSIP2-15-9-11**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	@11.5ft: Grades to 5% sand, decrease in organic matter (15%).					
	POORLY GRADED SAND (SP): 14.0-28.0ft: Loose, wet, gray, 100% sand (medium to coarse). No odor.	15				

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Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).
2. Boring was converted to a mid-depth monitoring well screened between 18-28ft bgs.

Soil Boring Log

DSIP2-15

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **15.67**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **6.5** Feet (MLLW): **9.17**
Collection Date: **11/21/2013**	Northing: **204385.33** Easting: **1267509.17**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	@27.0ft: Fines content increases to 10%. End of core @28.0ft.	20 25				

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Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).
2. Boring was converted to a mid-depth monitoring well screened between 18-28ft bgs.

Soil Boring Log

Sheet: 1 of 1

DSIP2-16

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **15.64**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **6.5** Feet (MLLW): **9.14**
Collection Date: **11/20/2013**	Northing: **204360.2** Easting: **1267562.84**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	GRAVEL AND CONCRETE: 0.0-1.5ft.	0				
	POORLY GRADED SAND WITH GRAVEL (SP): 1.5-2.5ft: Loose, moist, dark gray, 80% sand (medium to coarse), 15% gravel (fine), 5% fines (silt).			1.5	**DSIP2-16-2-4**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	POORLY GRADED SAND (SP): 2.5-9.5ft: Medium dense, moist, gray, 90% sand (fine to medium), 10% fines (silt).	5		2.3	**DSIP2-16-5-7**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	@6.5ft: Grades to wet.		▼			
	SILTY SAND (SM): 9.5-11.0ft: 50% sand (fine), 50% fines (silt). Occasional organic matter (woody debris), trace hydrogen sulfide-like odor.	10		1.3	**DSIP2-16-8-10**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	ORGANIC SILT (ML): 11.0-13.0ft: Stiff, moist, brown to light gray, low plasticity, 90% fines (silt), 10% sand (fine). Organic matter (decomposing sticks, fibers, 30%), trace hydrogen sulfide-like odor.			1.6	**DSIP2-16-11-13**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	SILT WITH SAND (ML): 13.0-14.0ft: Stiff, moist, gray, 80% fines (silt), 20% sand (fine).			1.6		
	POORLY GRADED SAND (SP): 14.0-16.0ft: Medium dense, moist, gray, 95% sand (medium), 5% fines (silt). No odor.	15				
	End of core @16.0ft.					

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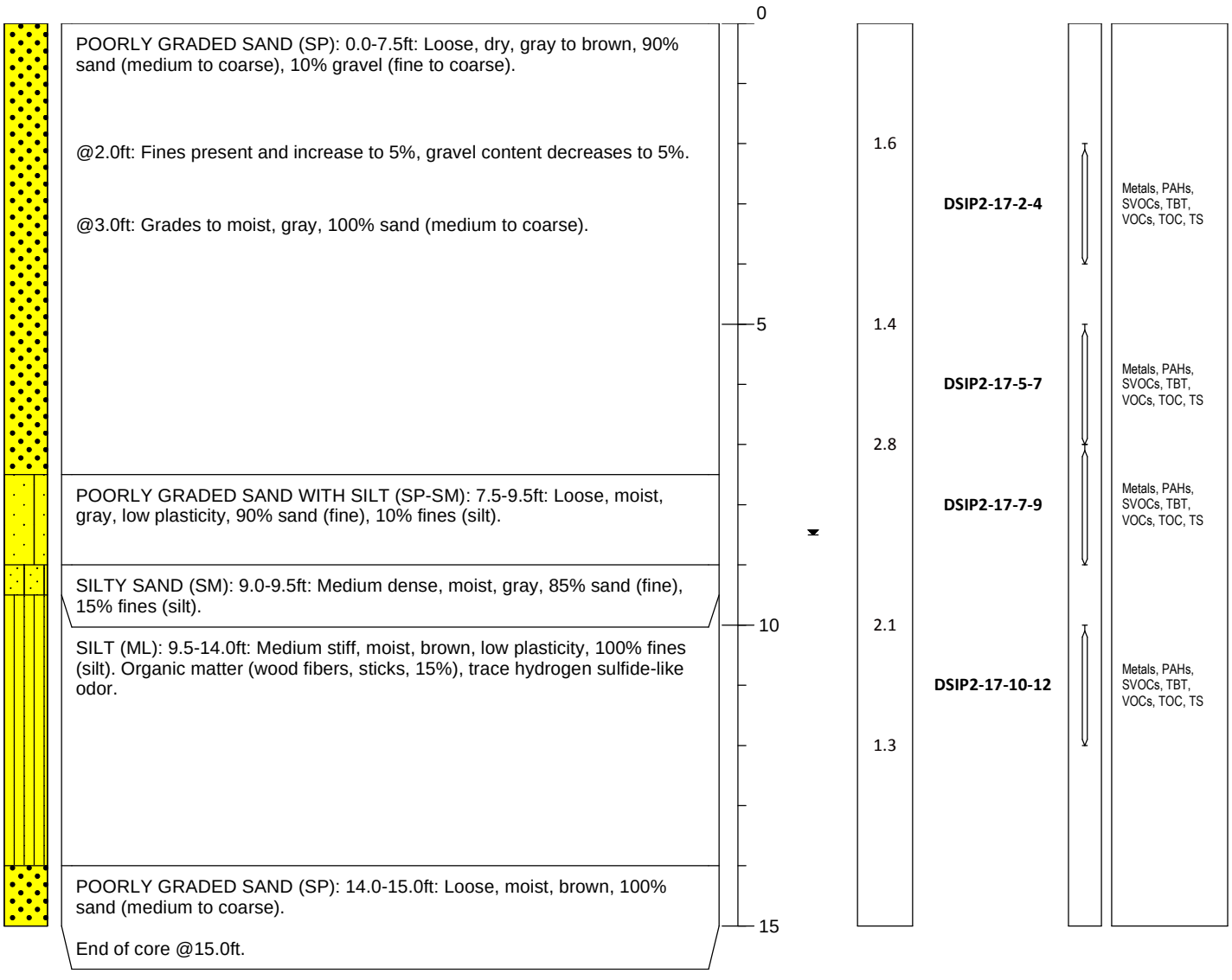
Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).
2. Boring was converted to a shallow monitoring well screened between 5-15ft bgs.

Soil Boring Log

Sheet: 1 of 1

DSIP2-17

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **16.50**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **8.5** Feet (MLLW): **8**
Collection Date: **11/22/2013**	Northing: **204502.28** Easting: **1267480.85**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Laura Hanna**



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Notes:

1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

2. Boring was converted to a shallow monitoring well screened between 5-15ft bgs.

Soil Boring Log

Sheet: 1 of 1

DSIP2-18

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **16.57**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **5** Feet (MLLW): **11.57**
Collection Date: **12/3/2013**	Northing: **204558.51** Easting: **1267490.47**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	ASPHALT: 0.0-0.3ft.	0		0.3	**DSIP2-18-0.5-2.5**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	POORLY GRADED SAND WITH GRAVEL (SP): 0.3-2.0ft: Loose, moist, brown, 80% sand (medium to coarse), 20% gravel (fine).					
	POORLY GRADED SAND (SP): 2.0-10.0ft: Loose, moist, brown, 100% sand (medium to coarse).			8.8	**DSIP2-18-3-5**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	@2.5-3.0ft: Dense wood debris with slight odor.					
	@4.5ft: Grades to gray.					
	@5.0ft: Grades to wet. Trace sheen in porewater (rainbow florets, <5%)	5	▼			
	@8.0ft: Grades to trace odor, no sheen.			8.5	**DSIP2-18-7-9**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	@9.0ft: No odor.					
	SILT (ML): 10.0-14.0ft: Medium stiff, moist, brown, low to medium plasticity, 100% fines (silt). Organic matter (sticks, wood fibers, 10%).	10		0.5	**DSIP2-18-10.5-12.5**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	@13.0ft: Increase in organic matter (30%), black mottling present.			6		
	POORLY GRADED SAND (SP): 14.0-15.0ft: Loose, wet, gray, 100% sand (medium to coarse).	15				
	End of core @15.0ft.					

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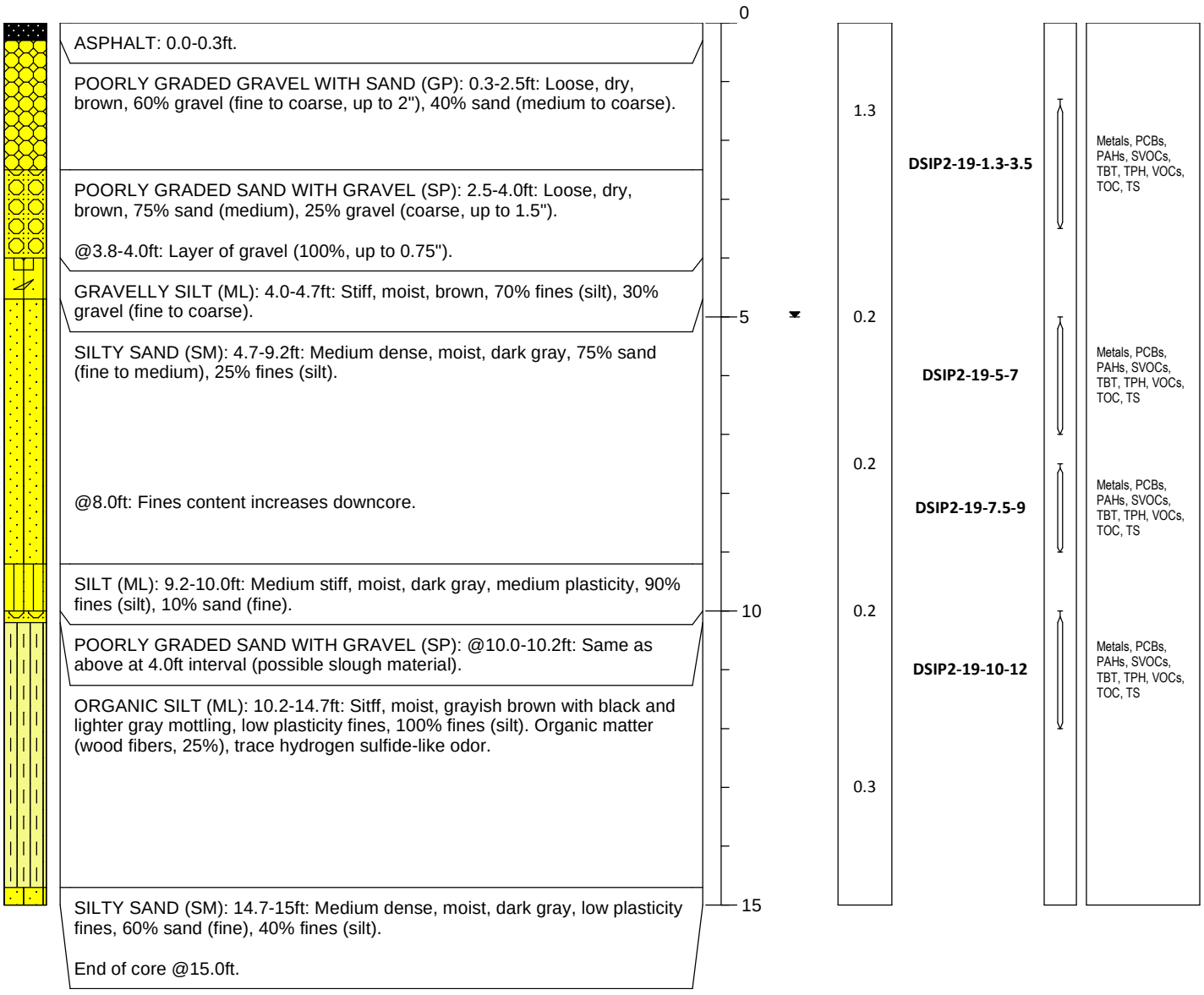
Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

Soil Boring Log

Sheet: 1 of 1

DSIP2-19

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **17.51**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **5** Feet (MLLW): **12.51**
Collection Date: **12/3/2013**	Northing: **204622.78** Easting: **1267489.96**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Evan Malczyk**



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Notes:

1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

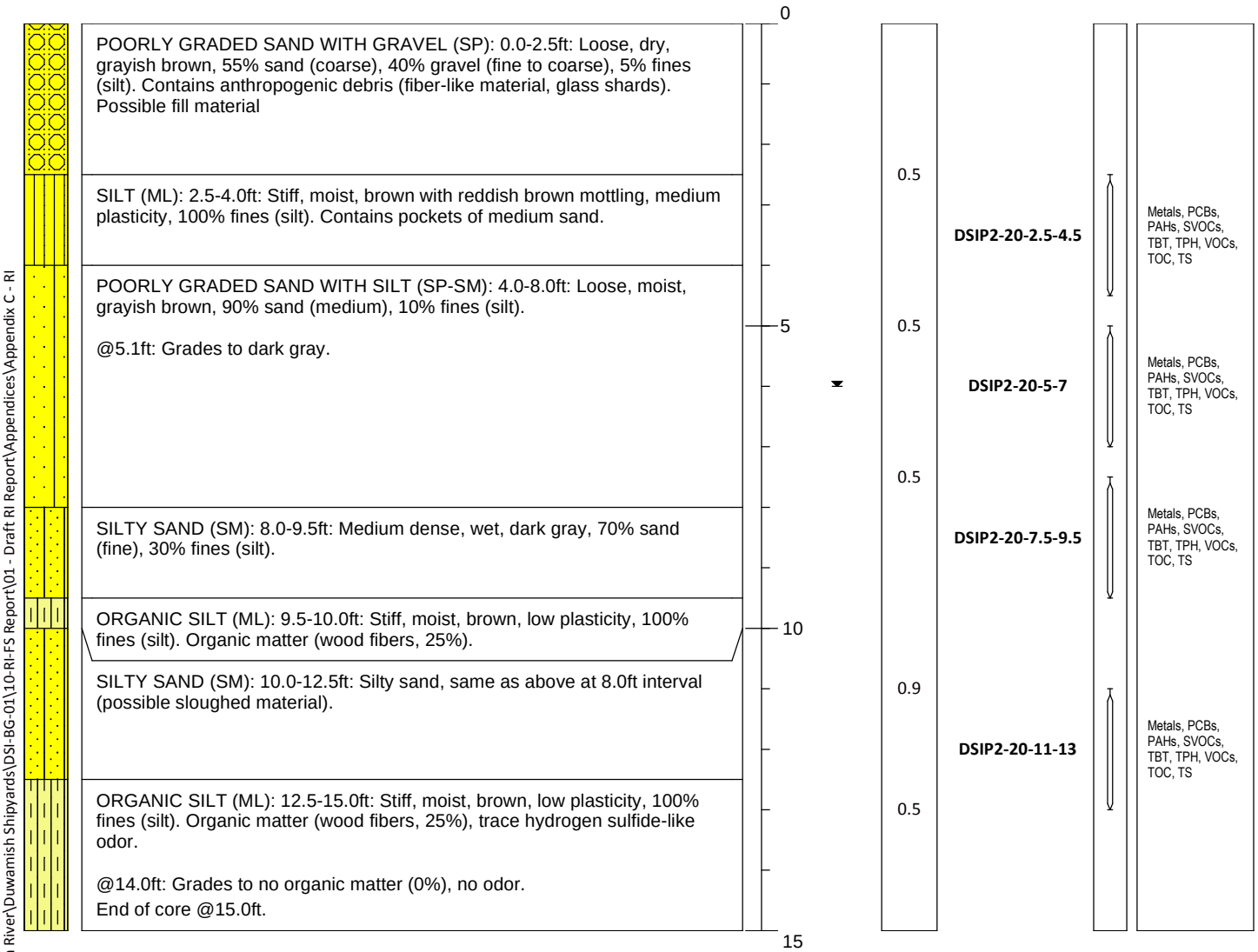
2. Boring was converted to a shallow monitoring well screened between 5-15ft bgs.

Soil Boring Log

Sheet: 1 of 1

DSIP2-20

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **15.19**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **6** Feet (MLLW): **9.19**
Collection Date: **12/2/2013**	Northing: **204585.93** Easting: **1267608.74**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Evan Malczyk**



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ANCHOR QEA

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206-287-9130

Notes:

1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

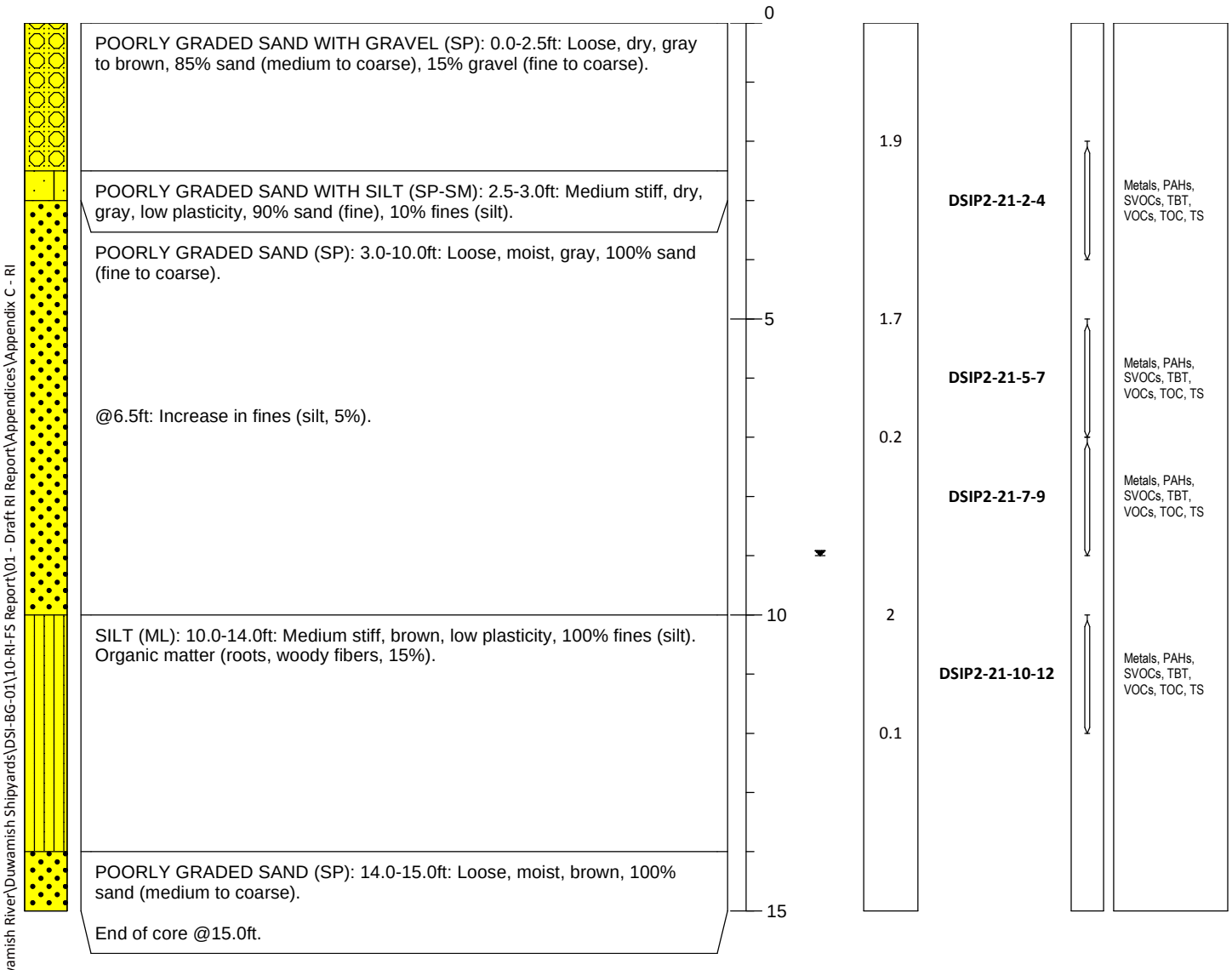
2. Boring was converted to a shallow monitoring well screened between 5-15ft bgs.

Soil Boring Log

Sheet: 1 of 1

DSIP2-21

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **14.80**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **9** Feet (MLLW): **5.8**
Collection Date: **11/22/2013**	Northing: **204478.29** Easting: **1267645.48**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Laura Hanna**



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Notes:

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Soil Boring Log

Sheet: 1 of 1

DSIP2-22

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **16.58**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **5** Feet (MLLW): **11.58**
Collection Date: **12/3/2013**	Northing: **204629.75** Easting: **1267750.33**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	GRAVEL (GP): 0.0-1.0ft: Fill material.	0				
	POORLY GRADED SAND WITH GRAVEL (SP): 1.0-3.0ft: Medium dense, moist, brown, 85% sand (medium to coarse), 15% gravel (fine).			0.4	**DSIP2-22-2-4**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	SILT (ML): 3.0-4.0ft: Stiff, moist, brown, non-plastic, 90% fines (silt), 10% sand (fine). Moderate rust-brown mottling (20%).			0.5		
	POORLY GRADED SAND (SP): 4.0-9.8ft: Medium dense, wet, gray, 100% sand (medium to coarse).	5	▼		**DSIP2-22-4-6**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	@7.0ft: Grades to fine sand (90%), increased fines (5%).			0.4	**DSIP2-22-7-9**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	SILT (ML): 9.8-15.0ft: Medium stiff, moist, brown, low plasticity, 100% fines (silt). Organic matter (sticks, wood fibers, 20%), trace hydrogen sulfide-like odor.	10		0.5	**DSIP2-22-10-12**	Metals, PAHs, SVOCs, TBT, VOCs, TOC, TS
	@12.5ft: Grades to gray, decrease in organic matter (10%), no odor.			0.4		
	@14.0ft: Decrease in organic matter (5%).					
	End of core @15.0ft.	15				

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Notes:
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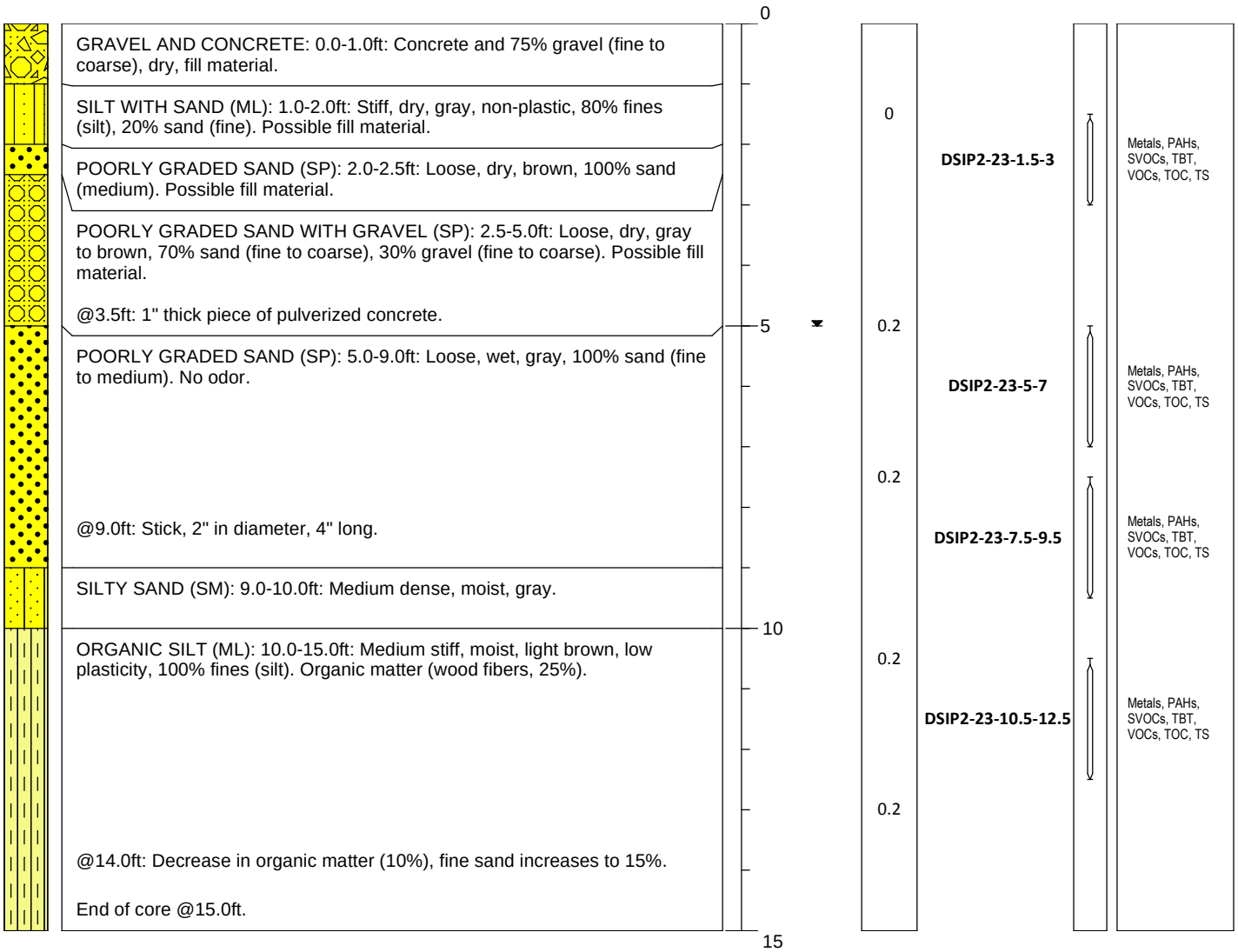
Soil Boring Log

Sheet: 1 of 1

DSIP2-23

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **13.99**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **5** Feet (MLLW): **8.99**
Collection Date: **12/2/2013**	Northing: **204601.37** Easting: **1267680.39**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**



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Notes:

1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

2. Boring was converted to a shallow monitoring well screened between 5-15ft bgs.

Soil Boring Log

Sheet: 1 of 1

DSIP2-24

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **14.03**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **5** Feet (MLLW): **9.03**
Collection Date: **12/3/2013**	Northing: **204566.47** Easting: **1267794.3**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Evan Malczyk**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	CONCRETE: 0.0-0.6ft.	0				
	POORLY GRADED GRAVEL WITH SAND (GP): 0.6-2.7ft: Loose, dry, brown, 60% gravel (fine to coarse), 40% sand (medium to coarse). @2.0ft: Grades to grayish brown.			0.7	**DSIP2-24-1-3**	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SILT (ML): 2.7-3.3ft: Stiff, moist, gray, 100% fines (silt).					
	POORLY GRADED SAND WITH SILT (SP-SM): 3.3-7.5ft: Loose, moist, dark gray, 90% sand (fine to medium), 10% fines (silt). @5.0ft: Increase in moisture content (wet).	5	▼	0.6	**DSIP2-24-3.5-5.5**	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SANDY SILT (ML): 7.5-8.0ft: Loose, moist, dark gray, 80% sand (fine), 20% fines (silt).			0.5	**DSIP2-24-6-8**	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	ORGANIC SILT (ML): 8.0-10.0ft: Stiff, moist, brown, low plasticity, 100% fines (silt). Organic matter (wood fibers, 15%), trace hydrogen sulfide-like odor.			0.7	**DSIP2-24-8.5-10**	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SILTY SAND (SM): 10.0-15.0ft: Medium dense, moist, dark gray, 80% sand (fine), 20% fines (silt). @12.5ft: Increase in fines content (40%).	10		0.7		
	End of core @15.0ft.	15				

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Notes:
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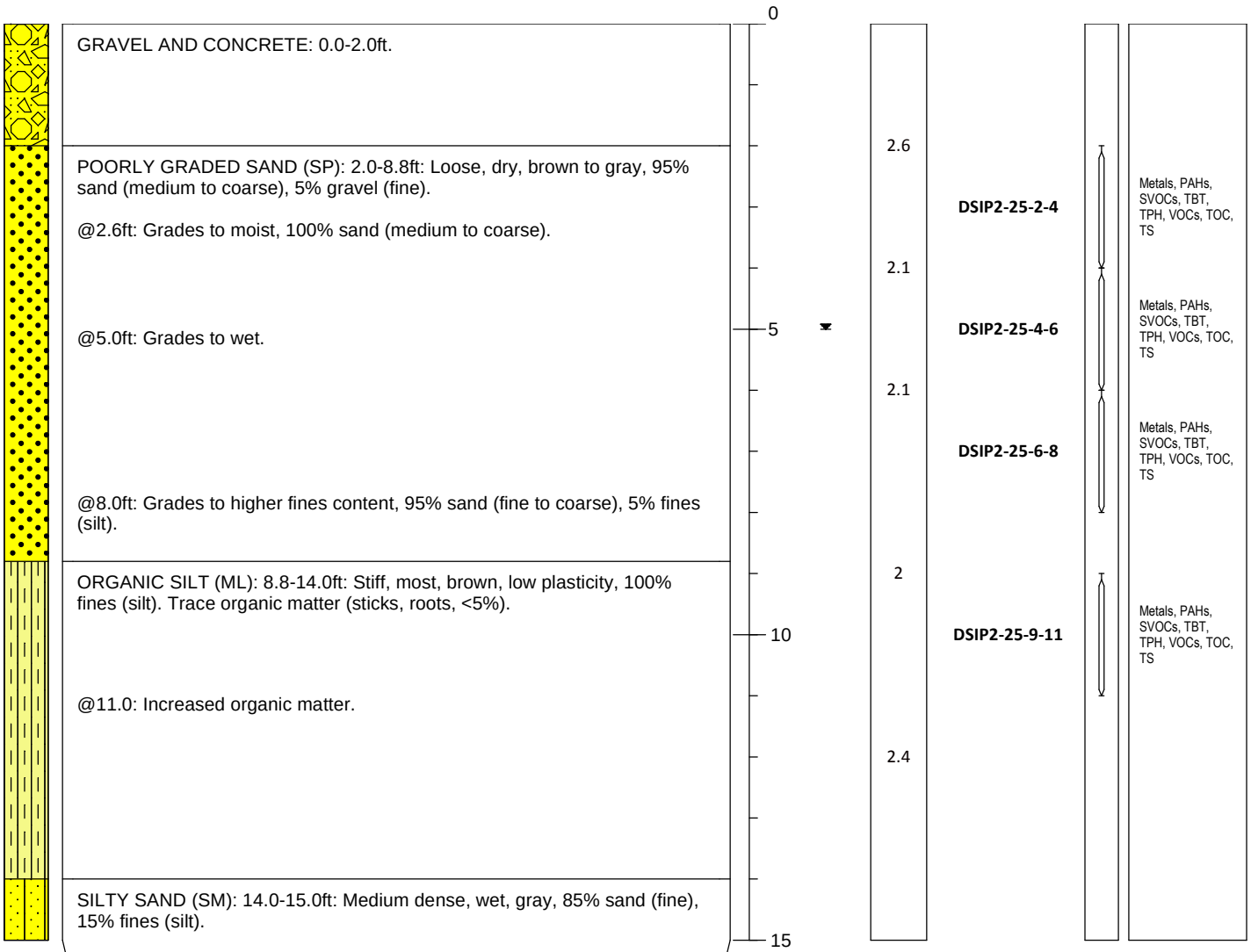
Soil Boring Log

Sheet: 1 of 1

DSIP2-25

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **15.02**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **5.0** Feet (MLLW): **10.02**
Collection Date: **11/26/2013**	Northing: **204565.36** Easting: **1267844.52**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Kellee Christensen**



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Notes:

1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

2. Boring was converted to a shallow monitoring well screened between 5-15ft bgs.

Soil Boring Log

Sheet: 1 of 1

DSIP2-26

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **15.66**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **5** Feet (MLLW): **10.66**
Collection Date: **12/3/2013**	Northing: **204539.02** Easting: **1267925.3**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	POORLY GRADED SAND WITH GRAVEL (SP): 0.0-1.0ft: Loose, dry, gray, 80% sand (medium to coarse), 20% gravel (fine). @0.3ft: Piece of asphalt, 0.1" thick.	0		0.5	**DSIP2-26-1-3**	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SILTY SAND (SM): 1.0-2.0ft: Medium dense, dry, gray, 80% sand (fine), 20% fines (silt).					
	POORLY GRADED SAND (SP): 2.0-8.0ft: Loose, moist, gray, 100% sand (medium to coarse). Sheen is gray, blocky. @4.5ft: Grades to wet. Sand grades to fine to medium. @7.5ft: Fines present and increase to 10%.	5	▼	0.5 0.6	**DSIP2-26-3-5** **DSIP2-26-5-7**	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	ORGANIC SILT (ML): 8.0-13.0ft: Stiff, moist, gray, low plasticity, 100% fines (silt). Organic matter (wood fibers, fragments, 30%), trace hydrogen sulfide-like odor.	10		0.6 0.5	**DSIP2-26-8.5-10**	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SILT WITH SAND (ML): 13.0-14.0ft: Medium stiff, moist, gray, non-plastic, 80% fines (silt), 20% sand (fine). Thinly bedded.					
	POORLY GRADED SAND (SP): 14.0-15.0ft: Medium dense, wet, gray, 100% sand (fine to medium). End of core @15.0ft.	15				

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Notes:
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Soil Boring Log

Sheet: 1 of 1

DSIP2-27

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **15.55**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **6** Feet (MLLW): **9.55**
Collection Date: **11/20/2013**	Northing: **204380.32** Easting: **1267800.3**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	POORLY GRADED SAND WITH GRAVEL (SP): 0.0-4.0ft: Loose, dry to moist, gray, 80% sand (medium to coarse), 15% gravel (fine), 5% fines (silt).	0		3	DSIP2-27-1.5-3.5	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	@4.0ft: 1" thick layer of composite material, black, sand and fines, very compact.					
	POORLY GRADED SAND (SP): 4.0-9.0ft: Medium dense, moist, gray, 90% sand (medium), 5% fines (silt), 5% gravel (fine).	5		2.3	DSIP2-27-5-7	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	@6.0ft: Grades to wet.		▼			
	SILTY SAND (SM): 9.0-11.0ft: Medium dense, moist, light brown, low plasticity, 50% sand, 50% fines (silt and clay). Occasional organic matter (sticks).	10		1.9	DSIP2-27-8-10	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SILT WITH SAND (ML): 11.0-15.0ft: Moist, brown to gray, low plasticity, 90% fines (85% silt and 5% clay), 10% sand (fine). Organic matter (wood fragments, 30%), trace hydrogen sulfide-like odor.			2	DSIP2-27-11-13	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	@14.0ft: Grades to 20% sand, decrease in organic matter (10%).			1.8		
	End of core @15.0ft.	15				

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Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).
2. Boring was converted to a shallow monitoring well screened between 5-15ft bgs.

Soil Boring Log

DSIP2-28

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **14.12**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **5** Feet (MLLW): **9.12**
Collection Date: **12/2/2013**	Northing: **204392.42** Easting: **1267985.36**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	ASPHALT: 0.0-0.9ft.	0				
	POORLY GRADED SAND (SP): 0.9-5.5ft: Loose, moist, gray, 95% sand (fine to medium), 5% fines (silt). Trace hydrocarbon-like odor.			47.3	**DSIP2-28-1-3**	Cr VI, D/F, Metals, PAHs, SVOCs, TBT, TPH, VOCs
				56	**DSIP2-28-3-5**	Cr VI, D/F, Metals, PAHs, SVOCs, TBT, TPH, VOCs
	@5.0ft: Grades to wet, trace odor.	5	▼	3.8	**DSIP2-28-5-6**	Cr VI, D/F, Metals, PAHs, SVOCs, TBT, TPH, VOCs
	SILT (ML): 5.5-10.0ft: Medium stiff, moist, brown with black mottling, low plasticity, 100% fines (silt). Organic matter (sticks, wood fibers, 10%), no odor. Blocky, gray sheen.			2.3	**DSIP2-28-7-9**	Cr VI, D/F, Metals, PAHs, SVOCs, TBT, TPH, VOCs
	@9.0ft: Increase in organic matter (wood debris, 30%), trace hydrogen sulfide-like odor.					
	SILTY SAND (SM): 10.0-13.0ft: Medium dense, wet, gray, 80% sand (fine to medium), 20% fines (silt). Trace organic matter (wood fibers, 5%), trace hydrocarbon-like odor.	10		46.5		
	POORLY GRADED SAND (SP): 13.0-22.0ft: Loose, wet, gray, 100% sand (fine to medium). Trace hydrocarbon-like odor.					
	@15.0ft: No odor.	15				

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Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).
2. Boring was converted to a mid-depth monitoring well screened between 18-28ft bgs.

Soil Boring Log

Sheet: 2 of 2

DSIP2-28

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **14.12**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **5** Feet (MLLW): **9.12**
Collection Date: **12/2/2013**	Northing: **204392.42** Easting: **1267985.36**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	@19.0ft: Gravel increases to 10% (fine), 90% sand (medium to coarse).	20				
	POORLY GRADED SAND WITH SILT (SP-SM): 22.0-30.0ft: Medium dense, moist, gray, 90% sand (fine), 10% fines (silt). No odor.	25				
	End of core @30.0ft.	30				

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Notes:
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2. Boring was converted to a mid-depth monitoring well screened between 18-28ft bgs.

Soil Boring Log

Sheet: 1 of 1

DSIP2-29

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **15.46**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **6** Feet (MLLW): **9.46**
Collection Date: **11/25/2013**	Northing: **204223.52** Easting: **1267967.58**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Laura Hanna/Julia Fitts**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	CONCRETE: 0.0-1.0ft.	0		1.3	DSIP2-29-1-3	Cr VI, D/F, Metals, PAHs, SVOCs, TBT, TPH, VOCs
	POORLY GRADED SAND (SP): 1.0-3.0ft: Loose, moist, dark gray to brown, 100% sand (medium to coarse).					
	WOOD: 3.0-3.5ft: Wood debris, trace odor.					
	VOID: 3.5-5.0ft.	5		2	DSIP2-29-5-7	Cr VI, D/F, Metals, PAHs, SVOCs, TBT, TPH, VOCs
	SILT (ML): 5.0-11.0ft: Stiff, moist, brown to dark gray, low plasticity, 100% fines (silt). Trace organic matter (roots, sticks, <5%).		▼			
	@8.5ft: Increase in organic matter (roots, sticks, 10%).	10		1.9	DSIP2-29-8-10	Cr VI, D/F, Metals, PAHs, SVOCs, TBT, TPH, VOCs
	SILTY SAND (SM): 11.0-15.0ft: Medium stiff, moist, gray, low plasticity, 80% sand (fine), 20% fines (silt). Trace organic matter (wood, fibers, <5%).			2		
	@13.0ft: Grades to medium sand.					
	End of core @15.0ft.	15				

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Notes:
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2. Boring was converted to a shallow monitoring well screened between 5-15ft bgs.

Soil Boring Log

Sheet: 1 of 1

DSIP2-30

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **14.88**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **4** Feet (MLLW): **10.88**
Collection Date: **12/3/2013**	Northing: **204585.73** Easting: **1267741.83**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Julia Fitts/Evan Malczyk**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	CONCRETE: 0.0-0.5ft.	0				
	POORLY GRADED GRAVEL WITH SAND (GP): 0.5-2.0ft: Loose, dry, brown, 60% gravel (fine to coarse, up to 1.5"), 40% sand (coarse).			0.7	DSIP2-30-1.5-3.5	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SILTY SAND WITH GRAVEL (SM): 2.0-3.3ft: Loose, dry, brown, 65% sand (medium), 25% gravel (fine, up to 0.75"), 15% fines (silt).					
	SANDY SILT (ML): 3.3-3.6ft: Stiff, moist, dark gray, low plasticity fines. Contains reddish brown mottling.		▼	3.2		
	POORLY GRADED SAND (SP): 3.6-8.0ft: Medium stiff, moist, brown, 90% sand (medium), 10% fines (silt). Silt and fine sand content increases downcore.	5			DSIP2-30-4-6	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
				4.4	DSIP2-30-6-8	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SILTY SAND (SM): 8.0-9.5ft: Medium stiff, moist, dark gray, low plasticity, 60% sand (fine), 40% fines (silt).			29		
	ORGANIC SILT (ML): 9.5-12.0ft: Stiff, moist, grayish brown, low plasticity fines, 100% fines (silt). Organic matter (wood fibers, 15%), trace hydrogen sulfide-like odor.	10			DSIP2-30-9-11	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SILTY SAND (SM): 12.0-15.0ft: Medium dense, moist, dark gray, 60% sand (fine), 40% fines (silt). Trace organic matter (wood fibers, 5%).			1.9		
	@13.6ft: No organic matter.					
	End of core @15.0ft.	15				

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206-287-9130

Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

Soil Boring Log

Sheet: 1 of 1

DSIP2-31

Project: **Draft Remedial Investigation Report**	**Location: Duwamish Shipyards, Inc.**
Project #: **080111-01**	Ground Surface Elevation in Feet: **15.08**
Client: **Duwamish Shipyards, Inc.**	Groundwater Depth in Feet (BGS): **6.5** Feet (MLLW): **8.58**
Collection Date: **11/25/2013**	Northing: **204503.36** Easting: **1267814.19**
Contractor: **Holt**	Horizontal Datum: **NAD83 State Plane WA North, US Feet**
Operator: **Pete Rosenberg**	Vertical Datum: **MLLW**
Method: **Sonic Drill, 4" diameter**	Logged By: **Laura Hanna**

Graphic Log	Soil Description	Depth in Feet (bgs)	Water Level	PID (ppm)	Samples	Lab Tests
	POORLY GRADED SAND WITH GRAVEL (SP): 0.0-2.5ft: Loose, dry, light gray to brown, 85% sand (fine to coarse), 15% gravel (fine to coarse). @2.0ft: Fines present and increase to 10%.	0		0.3	**DSIP2-31-2-4**	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	POORLY GRADED SAND (SP): 2.5-7.5ft: Loose, wet, dark gray to brown, 100% sand (medium to coarse). @7.0ft: Fines content increases to 10%.	5	▼	0.8 0.8	**DSIP2-31-4-6** **DSIP2-31-6-8**	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	ORGANIC SILT (ML): 7.5-10.0ft: Medium stiff, moist, brown, low plasticity, 100% fines (silt). Trace organic matter (woody fibers, roots, <5%).	10		1.2	**DSIP2-31-8.5-10**	Metals, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS
	SILTY SAND (SM): 10.0-15.0ft: Stiff, moist, gray, low plasticity, 80% sand (fine), 20% fines (silt). Trace organic matter (woody fibers, <5%). End of core @15.0ft.	15		1.4		

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Notes:
1. Vertical datum is Mean Lower Low Water (MLLW). Elevations were calculated using Bare Earth LiDAR from the Puget Sound LiDAR Consortium (PSLC).

SOIL TEST PIT LOGS

Test Pit Log

Sheet 1 of 1

DSIP2-ST-04

Project: **Draft Remedial Investigation Report**	Location: **Duwamish Shipyards, Inc.**	Method: **Backhoe**
Project #: **080111-01.01**	Northing: **1267830.37** Easting: **204353.91**	Total Depth (ft): **7**
Client: **Duwamish Shipyards, Inc.**	Horizontal Datum: **NAD83 State Plane WA North, US ft**	Ground Surface Elevation (ft): **16.6**
Collection Date: **10/17/2013**	Vertical Datum: **MLLW**	Logged By: **Julia Fitts, Evan Malczyk**
Contractor: **Glacier Env. Services**		

Recovered Depth (ft)	Sample Interval	Chemical Analysis	Sample Recovery	Sheen Test	Groundwater	Soil Description	Graphic Log	Recovered Depth (ft)
0						GRAVEL FILL: 0.0-1.0ft: Coarse black gravel fill. Removed from working surface.		0
						@1.0ft: 3 inch thick layer of asphalt.		
1						POORLY GRADED SAND (SP): 1.0-7.0ft: Loose, damp, brown to gray, sand (fine to medium) with occasional gravel.		1
2						@2.0ft: Encountered concrete structure with vault opening on top and flat sides. Second vault to the east with manhole-like cover.		2
3								3
4								4
5				NS				5
6	DSIP2-ST-04-5-7 DSIP2-ST-04-5.5-7	Cr VI, Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS		NS		@5.5ft: Outlet pipe on east side of tank structure targeted for sampling. Outlet pipe is red clay/ceramic-like material, 1/2 inch thick.		6
7					▼	Groundwater at base of test pit. No sheen. End of Test Pit at 7.0ft bgs.		7

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1. Coordinate for station is at SE corner of the tank.
2. Second transect in area of old septic tank. Approximately 5ft from south property boundary. Approximately 10ft by 4.5ft regtangular tank with concrete brick surrounding encountered at 2ft bgs. Did not reach bottom of tank.

Test Pit Log

DSIP2-UST-03

Sheet 1 of 1

Project: **Draft Remedial Investigation Report**	Location: **Duwamish Shipyards, Inc.**	Method: **Backhoe**
Project #: **080111-01.01**	Northing: **1267578.26** Easting: **204590.12**	Total Depth (ft): **5.5**
Client: **Duwamish Shipyards, Inc.**	Horizontal Datum: **NAD83 State Plane WA North, US ft**	Ground Surface Elevation (ft): **15.09**
Collection Date: **10/18/2013**	Vertical Datum: **MLLW**	Logged By: **Julia Fitts, Evan Malczyk**
Contractor: **Glacier Env. Services**		

Recovered Depth (ft)	Sample Interval	Chemical Analysis	Sample Recovery	Sheen Test	Groundwater	Soil Description	Graphic Log	Recovered Depth (ft)
0						GRAVEL FILL: 0.0-2.0ft: Coarse black gravel fill.		0
1						@2.0ft: 3 inch thick layer of asphalt.		1
2						CONCRETE: 2.0-2.5ft: Encountered top of concrete structure with circular opening and metal poles. Stepped a few feet south to excavate more of the structure.		2
3						@3ft: Located second concrete 'step'.		3
4	DSIP2-UST-3.5-5.5	Cr VI, Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs, TOC, TS		NS		POORLY GRADED SAND (SP): 3.5-5.5ft: Medium dense, moist, dark brown with orange staining, sand (fine to medium) with fines (silt). No sheen or odor.		4
5						Groundwater at base of test pit. No sheen or odor. End of Test Pit at 5.5ft bgs.		5

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1. Coordinate for station is at the center of circular opening.
2. Base of concrete tank structure not reached during excavation.
3. Metal pipes in circular opening are 2 inches in diameter and pinched at ends. Metal pipe outside of opening is 3 inches in diameter and has been sealed.

APPENDIX C-2
SUMMARY TABLES

Table C-2-1
Upland Monitoring Well and Piezometer Construction Details

Station ID	Installation Date	Well Diameter[1]	Screen Interval (feet bgs)	Depth to Well Bottom (feet bgs)
DSI-MW-01	7/13/2009	2-inch	4.6 to 14.5	14.7
DSI-MW-02	7/14/2009	2-inch	5.1 to 15.0	15.2
DSI-MW-03	7/13/2009	2-inch	29.85 to 39.75	40.0
DSI-MW-04	7/14/2009	2-inch	4.6 to 14.2	14.4
DSI-MW-05	7/14/2009	2-inch	5.5 to 15.2	15.4
DSI-MW-06	7/15/2009	2-inch	5.4 to 15.1	15.3
DSI-MW-07	7/15/2009	2-inch	30.4 to 40.0	40.25
DSI-MW-08	7/15/2009	2-inch	5.4 to 15.1	15.2
DSI-MW-09	7/14/2009	2-inch	5.5 to 15.3	15.5
DSI-MW-10	7/15/2009	2-inch	30.9 to 40.7	40.9
DSIP2-02	11/22/2013	2-inch	5.7 to 15.7	17.0
DSIP2-06	11/25/2013	2-inch	5.0 to 15.0	15.5
DSIP2-08	11/26/2013	2-inch	18.0 to 28.0	30.0
DSIP2-13	11/21/2013	2-inch	5.3 to 15.3	17.0
DSIP2-15	11/21/2013	2-inch	19.1 to 29.1	30.0
DSIP2-16	11/20/2013	2-inch	5.2 to 15.2	16.0
DSIP2-17	11/22/2013	2-inch	5.2 to 15.2	17.0
DSIP2-19	12/3/2013	2-inch	4.8 to 14.8	15.5
DSIP2-20	12/2/2013	2-inch	5.0 to 15.0	15.5
DSIP2-23	12/2/2013	2-inch	5.0 to 15.0	15.5
DSIP2-25	11/26/2013	2-inch	5.0 to 15.0	16.0
DSIP2-27	11/20/2013	2-inch	5.4 to 15.4	16.0
DSIP2-28	12/2/2013	2-inch	17.5 to 27.5	30.0
DSIP2-29	11/25/2013	2-inch	4.7 to 14.7	15.0
DSI-PZ-01	7/13/2009	2-inch	5.0 to 14.7	14.9

Notes:
Wells were developed from July 15 to July 23, 2009, prior to groundwater sampling
1 Well casing material consisted of Schedule 40 polyvinyl chloride (PVC), screen of 0.01 in slotted PVC
bgs = below ground surface

Table C-2-2
Geotechnical Samples

Station ID	Geotechnical Sample ID	Sample Interval (feet)		Northing (feet)	Easting (feet)	Ground Surface Elevation (feet MLLW)	Geotechnical Testing Parameters
DSI-GT-01	DSI-GT1-S2	2.5	4	204525.26	1267977.2	14.56	MC
	DSI-GT1-S3	5	6.5				MC, GS
	DSI-GT1-S4	10	12				MC, AL, CuTriax/Consolidation
	DSI-GT1-S5	12	13.5				MC, SG
	DSI-GT1-S6	15	16.5				MC, GS
	DSI-GT1-S7	20	21.5				MC
	DSI-GT1-S8	25	26.5				MC, AL
	DSI-GT1-S9	30	31.5				MC, GS
	DSI-GT1-S10	35	36.5				MC, SG, AL
	DSI-GT1-S11	40	41.5				MC
	DSI-GT1-S12	45	46.5				MC, GS
	DSI-GT1-S13	50	51.5				MC
	DSI-GT1-S14	55	56.5				MC, GS
	DSI-GT1-S15	60	61.5				MC
DSI-GT-02	DSI-GT2-S1	2.5	4	204368.14	1267979.4	14.73	MC
	DSI-GT2-S2	5	6.5				MC, GS
	DSI-GT2-S3	7.5	9				MC, SG, AL
	DSI-GT2-S4	10	11.5				MC
	DSI-GT2-S5	15	16.5				MC
	DSI-GT2-S6	20	21.5				MC, GS
	DSI-GT2-S7	25	26.5				MC
	DSI-GT2-S8	30	31.5				MC
	DSI-GT2-S9	35	36.5				MC, GS
	DSI-GT2-S10	40	41.5				MC, GS
	DSI-GT2-S11	45	46.5				MC
	DSI-GT2-S12	50	51.5				MC
	DSI-GT2-S13	55	56.5				MC, SG
	DSI-GT2-S14	60	61.5				MC
	DSI-GT2-S15	65	66.5				MC, GS

Notes:

Horizontal datum is Washington State State Plane North, U.S. Survey feet.

Vertical datum is mean lower low water.

AL = Atterberg limits

GS = grain size

MC = moisture content

MLLW = mean lower low water

SG = specific gravity

Table C-2-3
2013-2015 Uplands Investigation Sample Coordinates and Intervals

Soil

Station ID	Field Duplicate ID	Parent Sample ID	Sample Interval (feet bgs)		Northing (feet)	Easting (feet)	Ground Surface Elevation (feet MLLW)	Chemistry	Physical
DSIP2-03	DSIP2-53-2-4	DSIP2-03-2-4	2	4	204356.99	1267719.57	17.33	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS
DSIP2-06	DSIP2-56-4-6	DSIP2-06-4-6	4	6	204456.60	1267821.70	15.23	Cr VI, Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS
DSIP2-13	DSIP2-63-9-11	DSIP2-13-9-11	9	11	204365.45	1267446.25	15.86	Metals, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS
DSIP2-23	DSIP2-73-5-7	DSIP2-23-5-7	5	7	204601.37	1267680.39	13.99	Metals, PAHs, SVOCs, TBT, VOCs	TOC, TS
DSIP2-UST-03	DSIP2-UST-53-3.5-5.5	DSIP2-UST-03-3.5-5.5	3.5	5.5	204590.12	1267578.26	15.09	Cr VI, Metals, PCBs, PAHs, SVOCs, TBT, TPH, VOCs	TOC, TS

Groundwater/Stormwater/Seeps

Station ID	Field Duplicate ID	Parent Sample ID	Screened Sample Interval (feet bgs)		Northing (feet)	Easting (feet)	Ground Surface Elevation (feet MLLW)	Chemistry	Physical
DSI-MW-08	DSI-MW-58-070814	DSI-MW-08-070814	10	10	204366.34	1267967.62	14.85	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSI-MW-10	DSI-MW-60-041614	DSI-MW-10-041614	35	35	204275.46	1267964.60	14.48	Conventional Parameters, Total and Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, PCBs, Pesticides, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-08	DSIP2-58-MW-010814	DSIP2-08-MW-010814	23	23	204592.40	1267991.80	14.95	Conventional Parameters, Dissolved Cr VI, D/F, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
DSIP2-16	DSIP2-66-MW-041514	DSIP2-16-MW-041514	10	10	204360.20	1267562.84	15.64	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	TDS, TSS
	DSIP2-66-MW-013015	DSIP2-16-MW-013015						Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, VOCs	TDS, TSS
DSIP2-27	DSIP2-67-MW-010614	DSIP2-27-MW-010614	10	10	204380.32	1267800.30	15.55	Conventional Parameters, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	Conductivity, DO, ORP, pH, TDS, TSS, Turbidity
DSIP2-28	DSIP2-78-MW-070914	DSIP2-28-MW-070914	23	23	204392.42	1267985.36	14.12	Conventional Parameters, Total Cr VI, D/F, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-29	DSIP2-79-MW-012815	DSIP2-29-MW-012815	10	10	204223.52	1267967.58	15.46	Conventional Parameters, Total Cr VI, D/F, Total and Dissolved Metals, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-SP-02	DSIP2-SP-52-072213	DSIP2-SP-02-072213	--	--	204545.54	1268017.92		Dissolved Cr VI, D/F, Total and Dissolved Metals, PCBs, Pesticides, PAHs, SVOCs, TBT, TPH, VOCs	TDS, TSS
DSIP2-STW-01	DSIP2-STW-51-040814	DSIP2-STW-01-040814	--	--	204461.45	1267950.56		Total Cr VI, D/F, Total and Dissolved Metals, PAHs, PCB Aroclors and Congeners, SVOCs, TBT, TPH, VOCs	TDS, TSS

Notes:
Horizontal datum is Washington State Plane North, U.S. Survey feet.
Vertical datum is Mean Lower Low Water (MLLW). Ground surface elevations were calculated using Bare Earth LiDAR from the
bgs = below ground surface
Conventional Parameters = Alkalinity, Ammonia, Chloride, Nitrate, Sulfate, Sulfide
D/F = dioxin/furans
DO= dissolved oxygen
GS = grain size
Metals = 13 priority pollutant metals [antimony (Sb), arsenic (As), beryllium (Be), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), zinc (Zn)], and Barium [Ba]
ORP = reduction oxidation potential
PAHs = polycyclic aromatic hydrocarbons
PCBs = polychlorinated biphenyls
SVOCs = semivolatile organic compounds
TBT = tributyltin
TDS = total dissolved solids
TOC = total organic carbon
TPH = total petroleum hydrocarbons
TS = total solids
TSS = total suspended solids
VOCs = volatile organic compounds

APPENDIX C-3
TIDAL DATA (INCLUDED SEPARATELY)

APPENDIX C-4
TEE EXCLUSION

Washington State Department of Ecology
Toxics Cleanup Program

Terrestrial Ecological Evaluation Process - Primary Exclusions

Documentation Form

Exclusion #	Exclusion Detail	Yes or No?	Are Institutional Controls Required If The Exclusion Applies?
1	Will soil contamination be located at least 6 feet beneath the ground surface and less than 15 feet?	Yes / No	Yes
	Will soil contamination located at least 15 feet beneath the ground surface?	Yes / No	No
	Will soil contamination located below the conditional point of compliance?	Yes / No	Yes
2	Will soil contamination be covered by buildings, paved roads, pavement, or other physical barriers that will prevent plants or wildlife from being exposed?	Yes / No	Yes
3	Is there less than 1.5 acres of contiguous undeveloped land on the site, or within 500 feet of any area of the site affected by hazardous substances **other than** those listed in the table of Hazardous Substances of Concern? And Is there less than 0.25 acres of contiguous undeveloped land on or within 500 feet of any area of the site affected by hazardous substances **listed in** the table of Hazardous Substances of Concern?	Yes / No Yes / No	Other factors determine
4	Are concentrations of hazardous substances in the soil less than or equal to natural background concentrations of those substances at the point of compliance	Yes / No	No

[Exclusions Main] [TEE Definitions] [Simplified or Site-Specific?] [Simplified Ecological Evaluation] [Site-Specific Ecological Evaluation] [WAC 173-340-7493]

[TEE Home]

APPENDIX C-5
POTENTIAL CLAMMING AREA CALCULATION

Clamming area on DSI property

Potential clamming area identified by EPA in the ROD (EPA 2014)

DSI property boundary

NOTES:
Image: Google Earth, May 22, 2017.

Feet
0 25 50

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ANCHOR QEA

Figure C-5
Area Calculation and Aerial Photograph of EPA's Potential Clamming Area on DSI Property
Public Review Draft RI Report
Duwamish Shipyard, Inc.

APPENDIX D
RI DATA SUMMARY STATISTICS AND DERIVATION OF INDICATOR CHEMICALS

This appendix documents the derivation of Chemicals of Potential Concern (COPCs), Chemicals of Concern (COCs), and Indicator Chemicals (ICs) for the Duwamish Shipyard, Inc. Site (Site).

Site-specific screening levels (SLs) were derived in Section 6 of the Remedial Investigation (RI) for soil, groundwater (including groundwater seeps), and sediments (i.e., surface and subsurface sediment). Chemical concentrations in these media were compared to the SLs for the purpose of defining the nature and extent of contamination at the Site. Chemicals that were present at concentrations exceeding media-specific screening levels with detected or undetected results in one or more samples were identified as COPCs. Based on the list of COPCs, and relying on the representativeness of the RI data (i.e., representative number of samples), a statistical analysis was conducted for selected media (soil, groundwater, and sediment)[1] to identify COCs.

Based on the list of COCs, and consistent with Washington Administrative Code 173-240-703, indicator hazardous substances (referred to in this RI as ICs) were derived to focus the RI evaluation in characterizing the nature and extent of contamination at the Site for the following reasons:

- ICs pose the greatest human health and ecological risks
- ICs have the largest contamination footprint, where addressing these COCs will result in cleanup of other COCs that are less frequently detected, lower in concentration, or have a smaller footprint
- ICs represent each major analytical group associated with the Site, particularly where multiple sources may have different vertical or horizontal distributions

ICs were used in Section 7 of the RI to frame the nature and extent of contamination at the Site.

A detailed multi-tier derivation process to derive ICs was conducted as follows:

1. Used RI data with representative number of samples (soil, groundwater, surface and subsurface sediment) and compared to Site-specific SLs

[1] Statistical analyses were not performed for stormwater or catch basin solids data.

2. Calculated the following statistics using available RI data for the selected media:
   - Frequency of Detection (FOD)
   - Number of Detects and Nondetects > SLs
   - Exceedance Frequency (EF) of the SL by Detects and Nondetects
   - EF of 2 times the SL by Detects and Nondetects
   - Maximum Detected Concentration
   - Maximum Exceedance Factor (i.e., maximum detected concentration/SL)
3. Derived Site COPCs:
   a) Chemicals with an applicable SL were retained
   b) Chemicals with any exceedance of the SL (both detects and nondetects) were retained
   c) Chemicals retained in Steps 3a and b were retained as Site COPCs
4. Derived Site COCs:
   a) COPCs with a FOD >5% were retained
   b) COPCs retained in Step 4a, with an EF of detects >5% and an EF of nondetects >25% were retained
   c) COPCs with an EF of detects > 2 times the SLs were retained
   d) COPCs retained in Steps 4b and c were retained as Site COCs
5. Derived Site ICs:

   The derivation of Site ICs was a qualitative screening step based on the list of COCs derived in Step 4. It included the evaluation and analysis of combined parameters and criteria, such as colocation of various COCs, level of toxicity/mobility of COCs, lateral extent of COC contamination, COC presence in various media, and overall, best professional judgement. At least one COC per group was selected as a representative indicator (e.g., Total carcinogenic polycyclic aromatic hydrocarbons [cPAHs] toxic equivalency quotient [TEQ] for polycyclic aromatic hydrocarbon [PAH] group).

Table D-1 summarizes the selected ICs by medium. Section 7 Tables 7-1 through 7-4 present the summary statistics and selection criteria used for Site COPCs, COCs, and ICs in each medium). ICs for each medium were selected for mapping purposes in Section 7 Figures 7-1 (soil), 7-2 (groundwater and seeps) and 7-3 (surface and subsurface sediment) series; the maximum contaminant concentration at each location, including detects and non-detects set at full reporting limit, was used for contouring. As additional resources to describe the nature and extent of contamination, soil and sediment cross-sections showing the vertical

extents of ICs above the screening level and groundwater trend plots showing the variations in IC concentrations during 2014-2015 RI quarterly monitoring events are included as Appendices G-1 and G-2, respectively.

TABLE

Table D-1

Summary of DSI Indicator Chemicals

COC	Soil	Groundwater	Surface Sediment	Subsurface Sediment
Arsenic	X	X[a]	X	X
Copper	X	X[a]	X	X
Zinc	X	X[a]	X	X
Tributyltin			X	X
Benzene	X			
Acrylonitrile		X		
Vinyl Chloride		X		
1,2-Dichlorobenzene				X
Bis(2-Ethylhexyl)phthalate			X	X
Benzyl Alcohol	X		X	X
Pentachlorophenol	X			
Total cPAHs TEQ	X	X	X	X
Total Dioxins/Furans TEQ	X		X	X
Total PCB Aroclors	X		X	X
Total Diesel and Motor Oil Range Hydrocarbons	X			
Gasoline Range Hydrocarbons	X			
Total No. of ICs	**11**	**6**	**9**	**10**

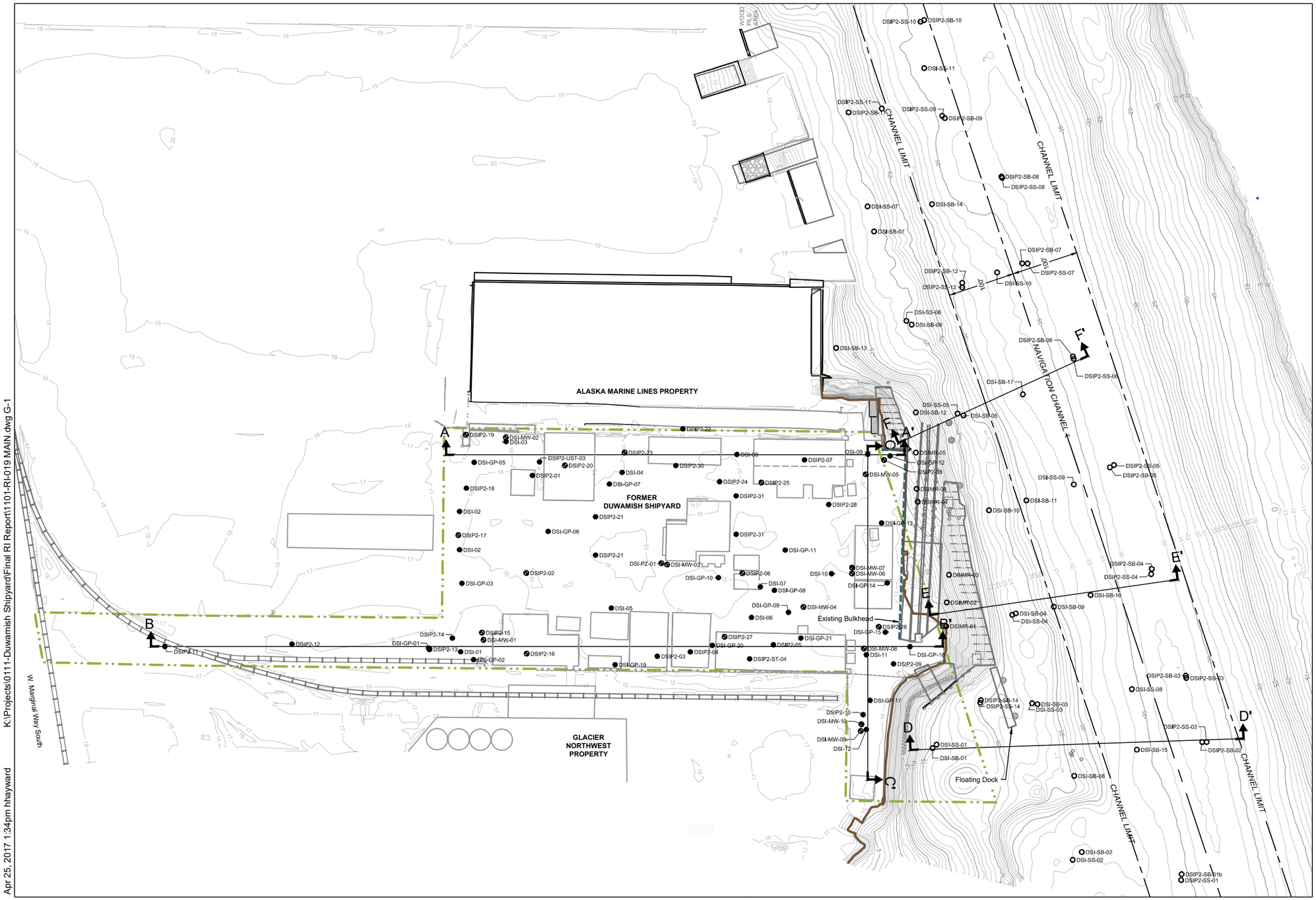
Notes:
a Indicator metals in the dissolved fraction.
COC = chemical of concern
cPAH = carcinogenic polycyclic aromatic hydrocarbon
DSI = Duwamish Shipyard, Inc.
PCB = polychlorinated biphenyl
TEQ = toxic equivalent quotient

APPENDIX E
LABORATORY ANALYTICAL REPORTS (INCLUDED SEPARATELY)

APPENDIX F
DATA VALIDATION REPORTS
(INCLUDED SEPARATELY)

APPENDIX G
CROSS SECTIONS AND TREND PLOTS

APPENDIX G-1
FIGURES (CROSS-SECTIONS)



LEGEND:

- Soil Boring
- Groundwater Monitoring Well
- Sediment Grab or Core
- Top of Bank (Approximate)
- Current Property Boundary
- Bathymetric Contours in Feet (MLLW)

0 80

Scale in Feet

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

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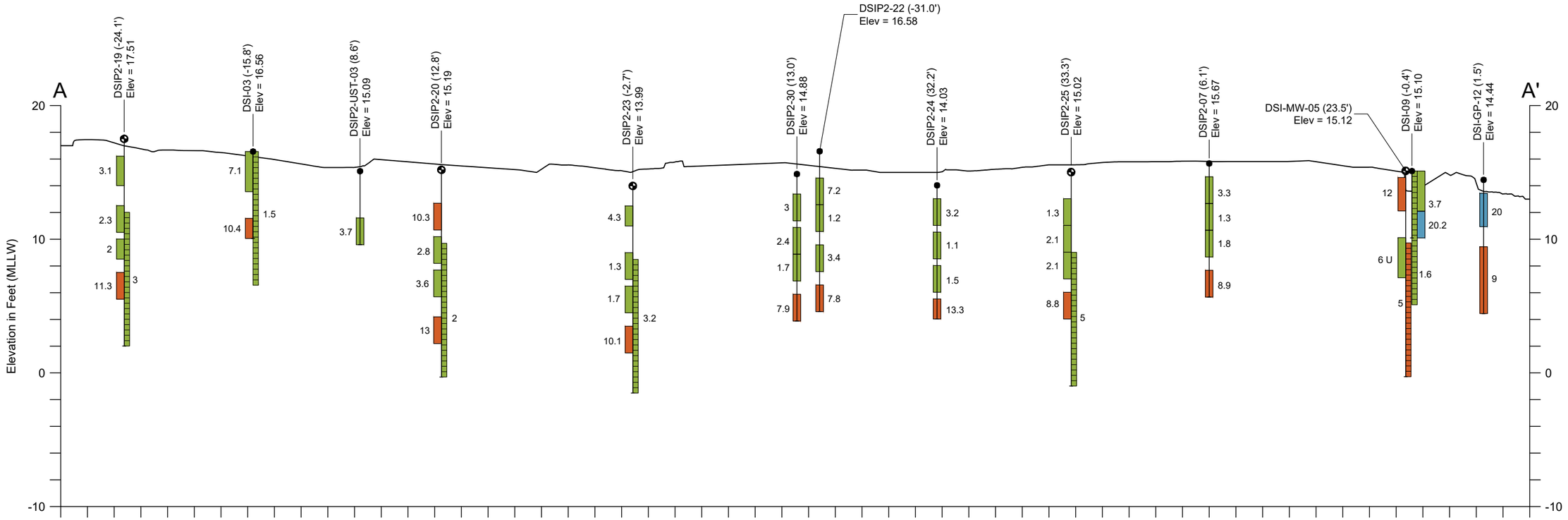
Figure G-1
Cross Section Locations
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level Arsenic (mg/kg)	Groundwater Screening Level Dissolved Arsenic (μg/L)
<7.3 (Screening Level)	<5 (Screening Level)
7.3-14.6 (2x)	5-10 (2x)
14.6-36.5 (5x)	10-25 (5x)
36.5-73 (10x)	25-50 (10x)
>73	>50

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

Location and Depth of Exploration
Sample Location
Well Screen Interval
Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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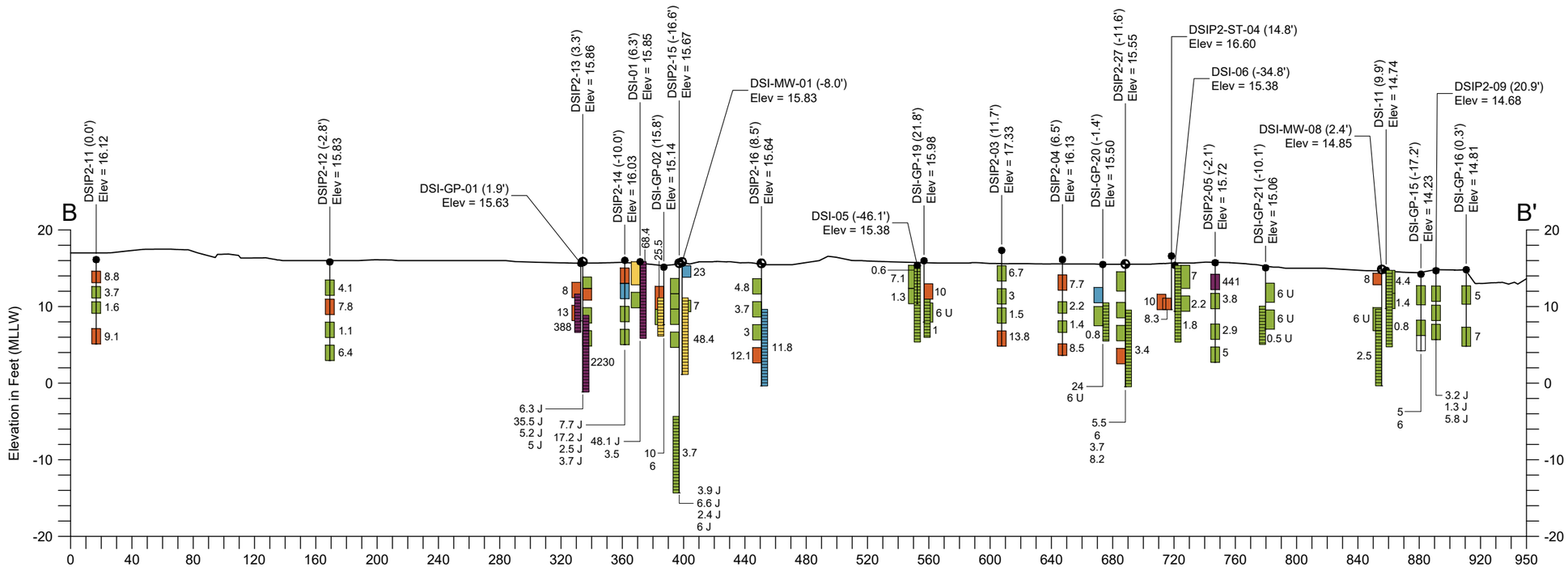
Figure G-2a
Cross Section A-A' – Arsenic
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab (Line represents extent of available RI sample data)

Soil Screening Level Arsenic (mg/kg)	Groundwater Screening Level Dissolved Arsenic (µg/L)
<7.3 (Screening Level)	<5 (Screening Level)
7.3-14.6 (2x)	5-10 (2x)
14.6-36.5 (5x)	10-25 (5x)
36.5-73 (10x)	25-50 (10x)
>73	>50

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

Location and Depth of Exploration
Sample Location
Well Screen Interval
Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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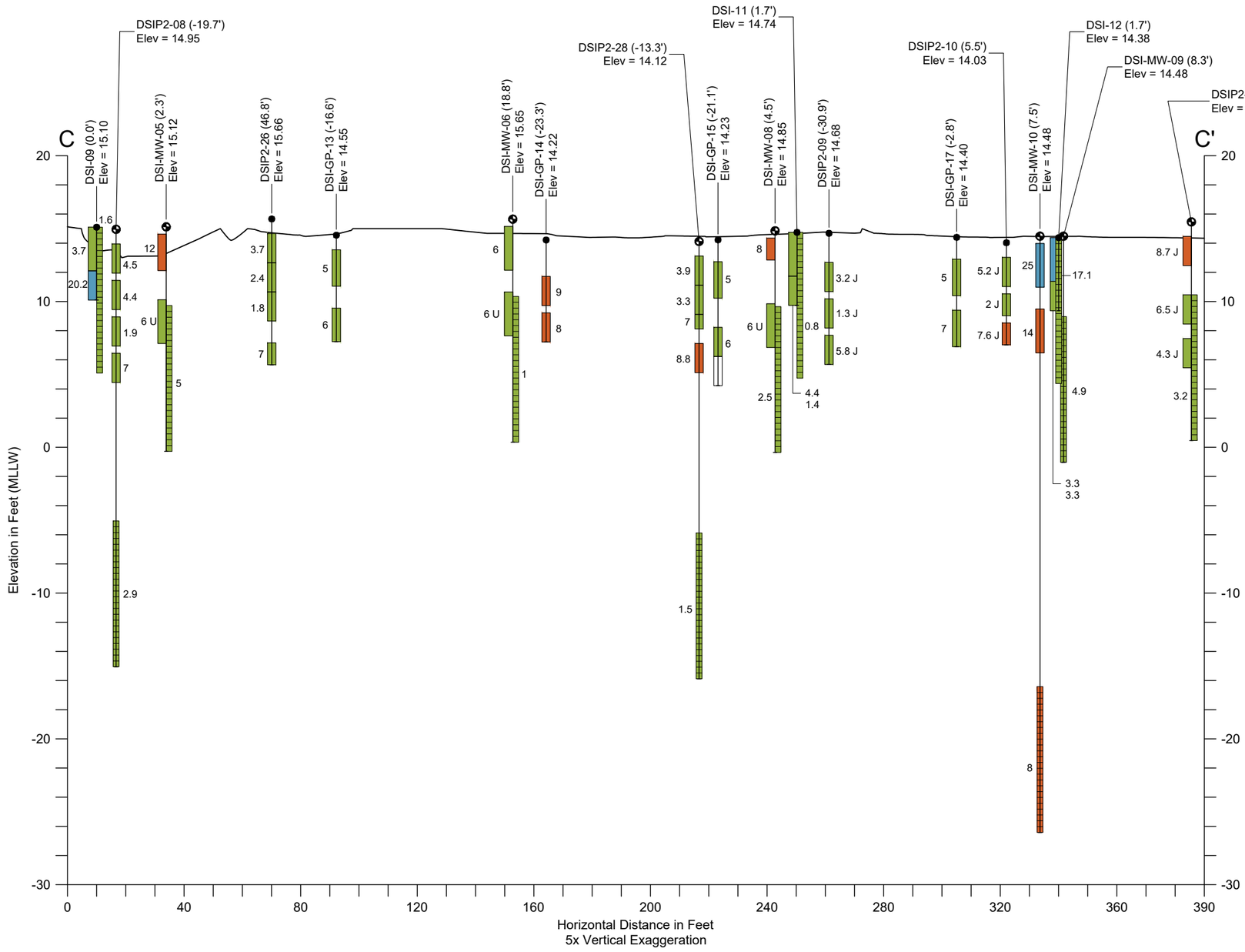
Figure G-2b
Cross Section B-B' – Arsenic
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Arsenic (mg/kg)

- <7.3 (Screening Level)
- 7.3-14.6 (2x)
- 14.6-36.5 (5x)
- 36.5-73 (10x)
- >73

Groundwater Screening Level
Dissolved Arsenic (μg/L)

- <5 (Screening Level)
- 5-10 (2x)
- 10-25 (5x)
- 25-50 (10x)
- >50

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Well Screen Interval
- Bottom of Exploration

0 40
Scale in Feet

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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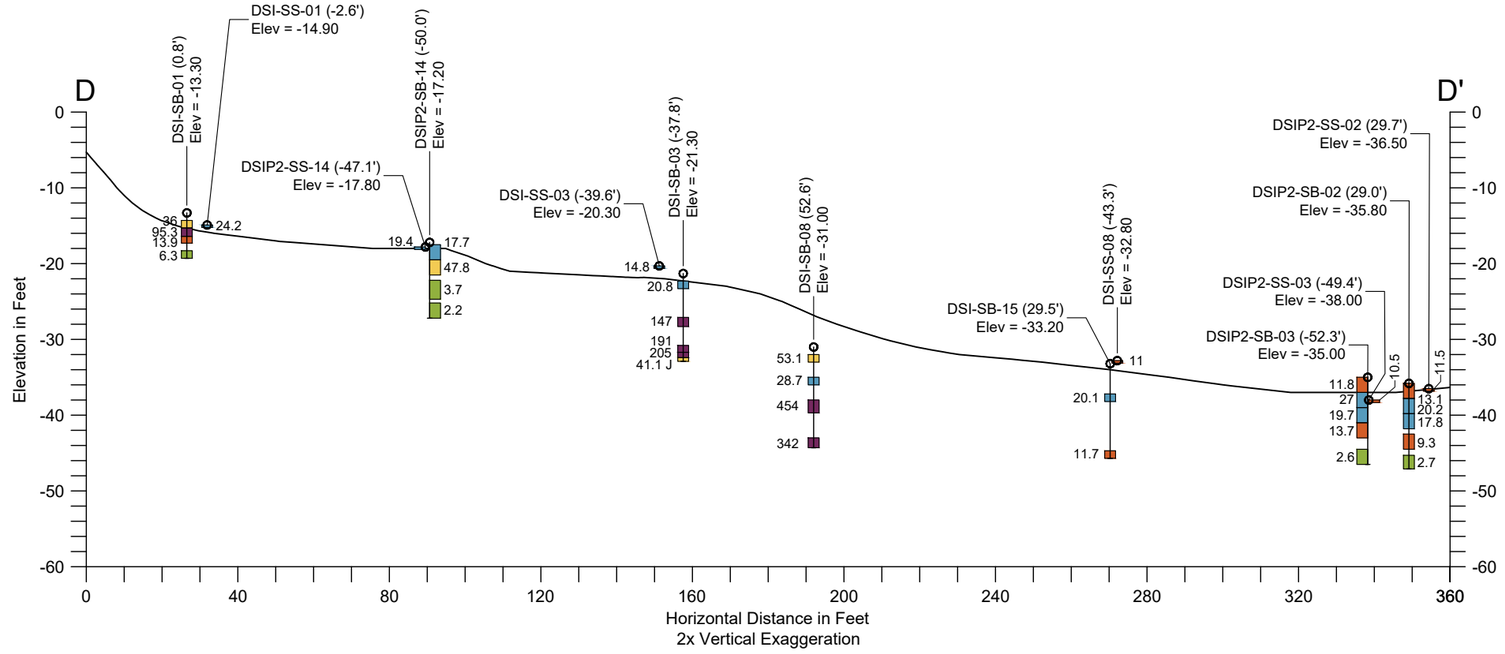
Figure G-2c
Cross Section C-C' – Arsenic
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Arsenic (mg/kg)

- <7 (Screening Level)
- 7-14 (2x)
- 14-35 (5x)
- 35-70 (10x)
- >70

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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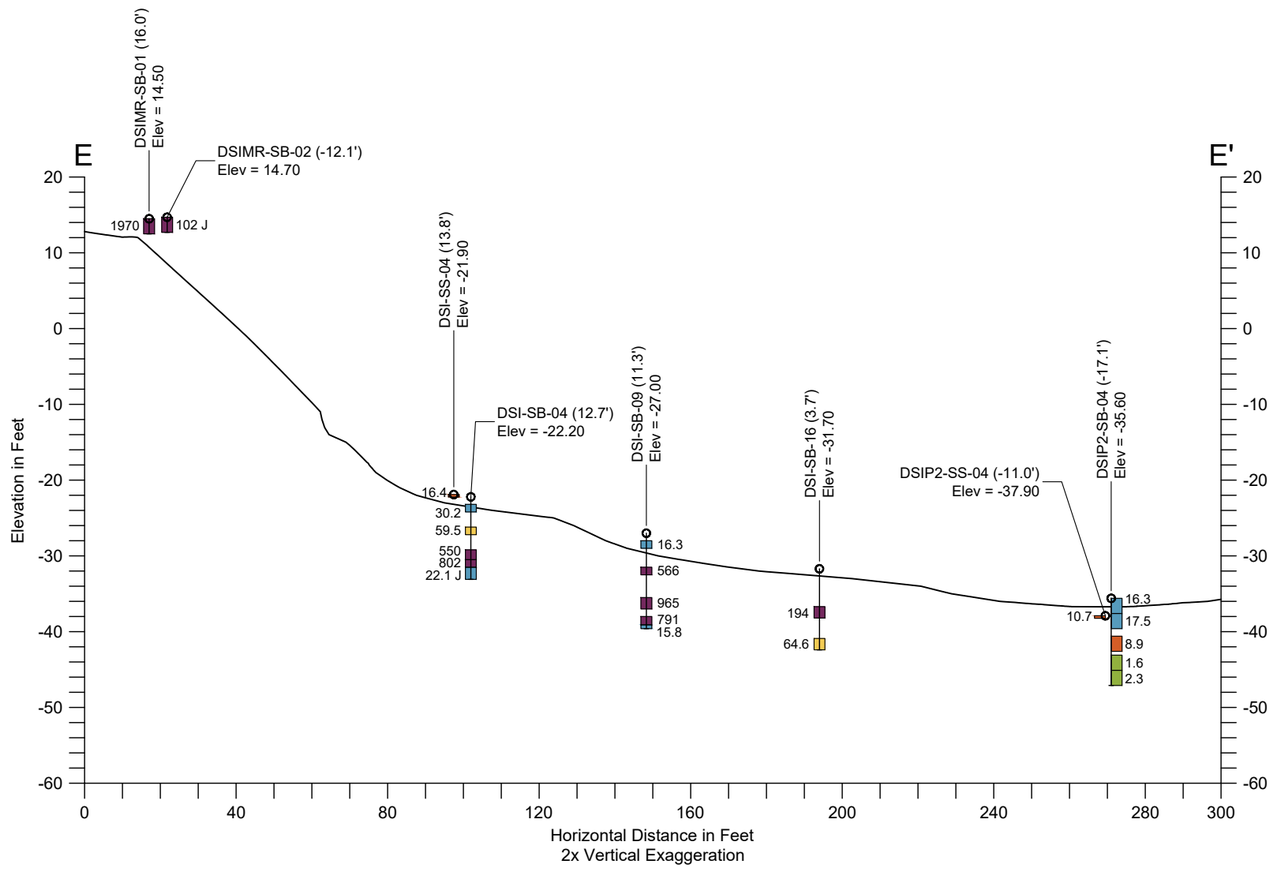
Figure G-2d
Cross Section D-D' – Arsenic
Public Review Draft RI Report
Duwamish Shipyard, Inc.



0 40
Scale in Feet

LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Arsenic (mg/kg)

- <7 (Screening Level)
- 7-14 (2x)
- 14-35 (5x)
- 35-70 (10x)
- >70

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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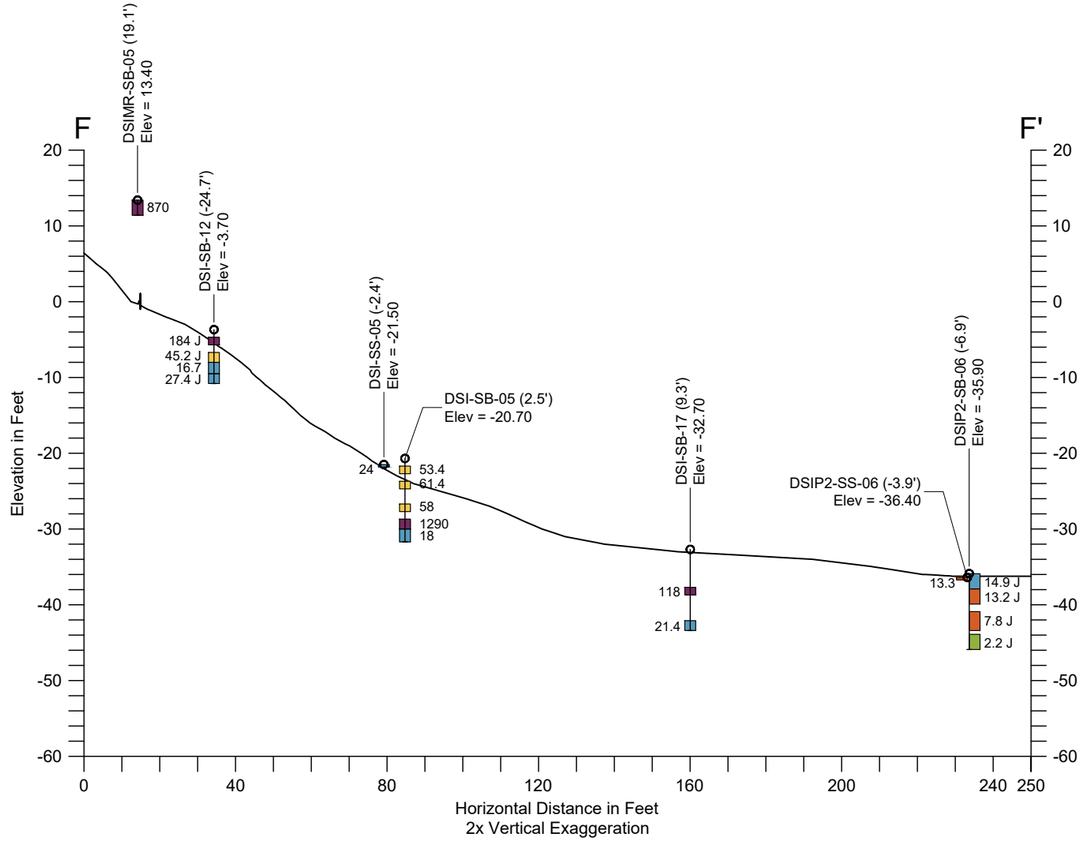
Figure G-2e
Cross Section E-E' – Arsenic
Public Review Draft RI Report
Duwamish Shipyard, Inc.



0 40
Scale in Feet

LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Arsenic (mg/kg)

- <7 (Screening Level)
- 7-14 (2x)
- 14-35 (5x)
- 35-70 (10x)
- >70

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-2f
Cross Section F-F' – Arsenic
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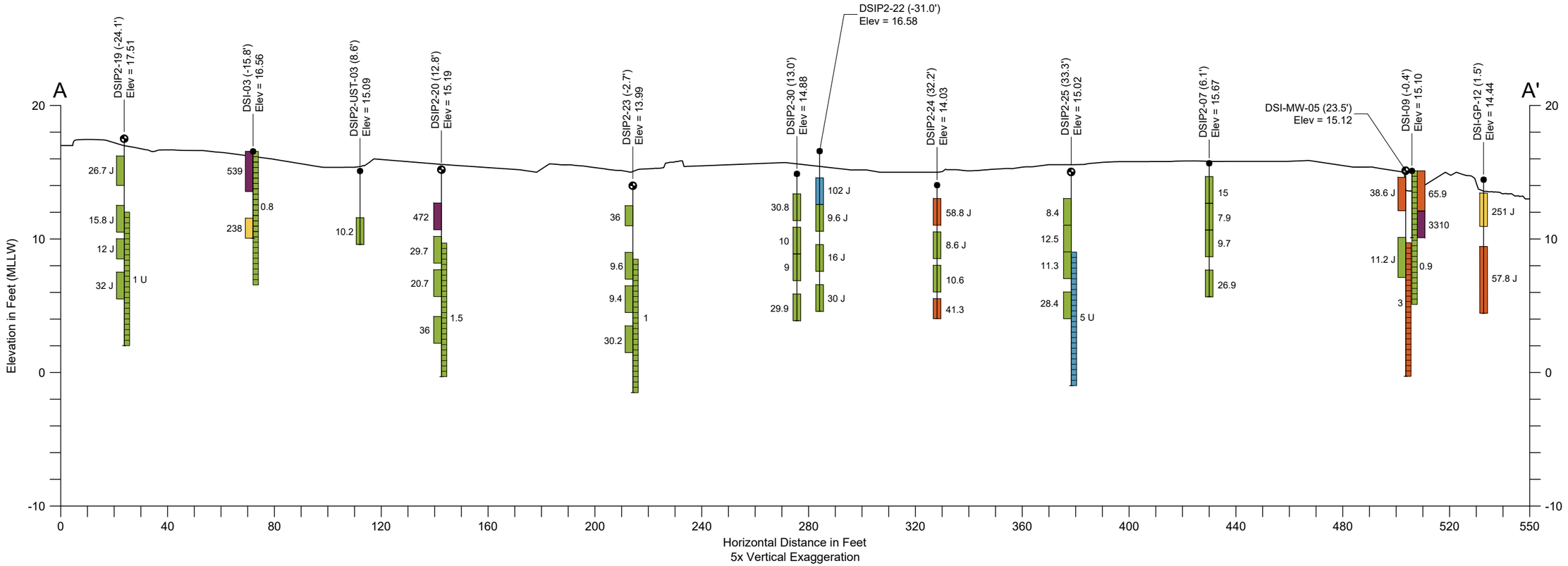
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level Copper (mg/kg)	Groundwater Screening Level Copper (μg/L)
<36 (Screening Level)	<2.4 (Screening Level)
36-72 (2x)	2.4-4.8 (2x)
72-180 (5x)	4.8-12 (5x)
180-360 (10x)	12-24 (10x)
>360	>24

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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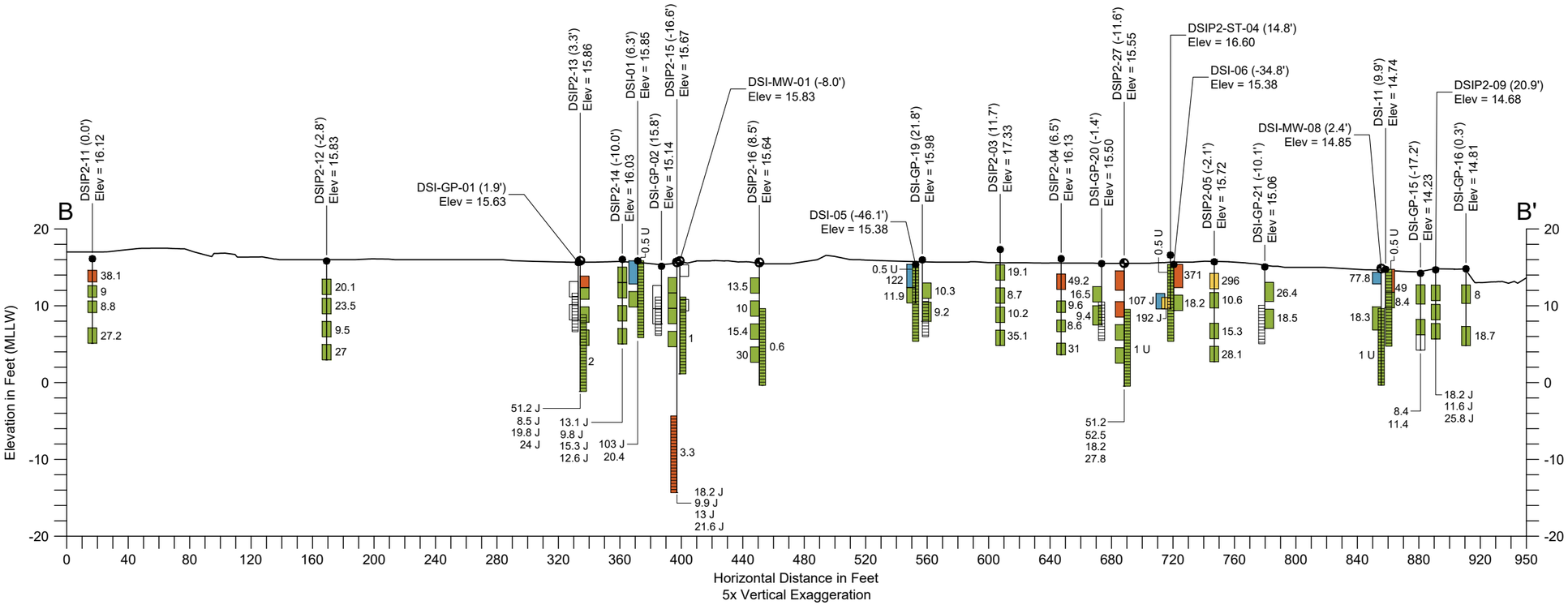
Figure G-3a
Cross Section A-A' – Copper
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab (Line represents extent of available RI sample data)

Soil Screening Level
Copper (mg/kg)

- <36 (Screening Level)
- 36-72 (2x)
- 72-180 (5x)
- 180-360 (10x)
- >360

Groundwater Screening Level
Copper (μg/L)

- <2.4 (Screening Level)
- 2.4-4.8 (2x)
- 4.8-12 (5x)
- 12-24 (10x)
- >24

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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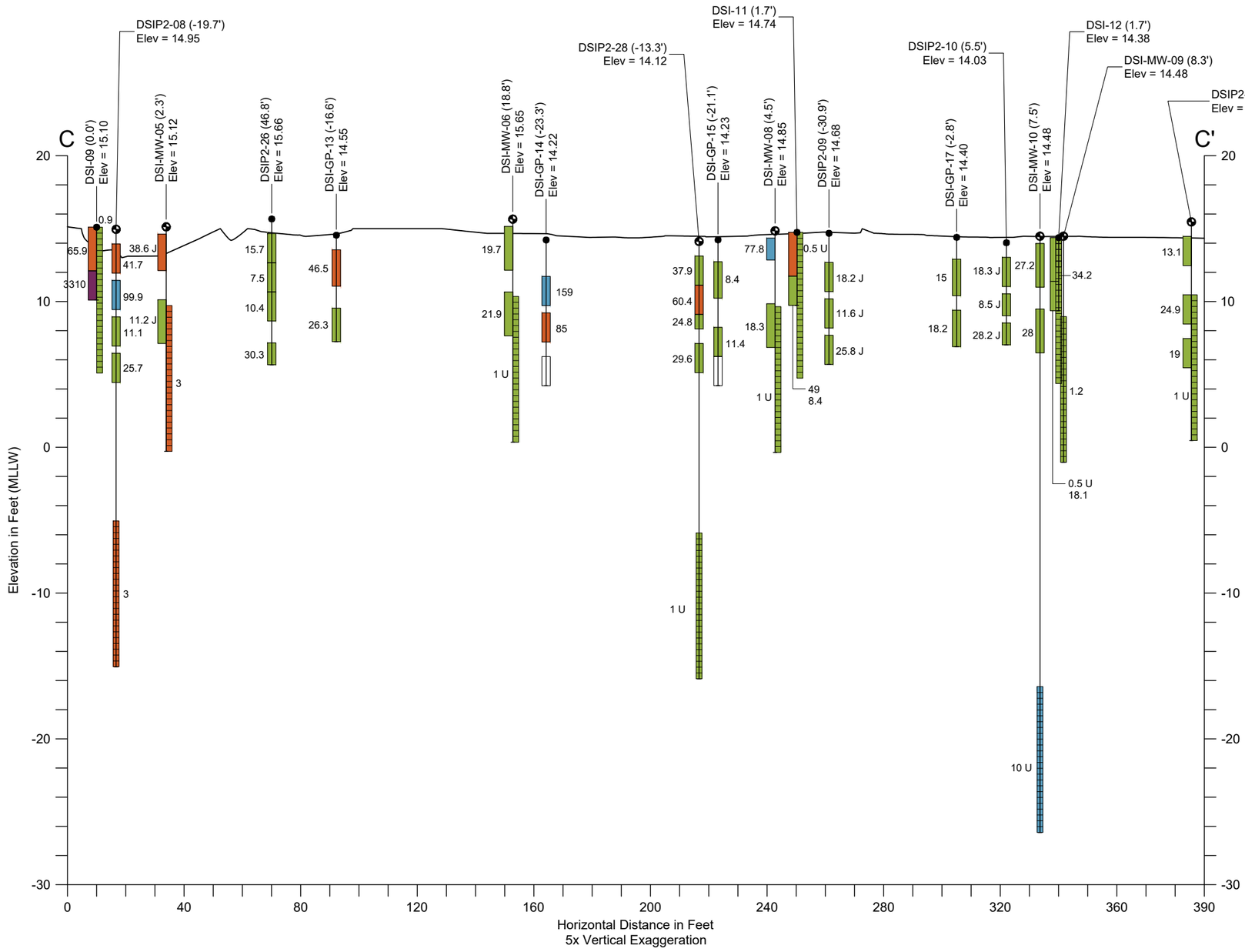
Figure G-3b
Cross Section B-B' – Copper
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Copper (mg/kg)

- <36 (Screening Level)
- 36-72 (2x)
- 72-180 (5x)
- 180-360 (10x)
- >360

Groundwater Screening Level
Copper (μg/L)

- <2.4 (Screening Level)
- 2.4-4.8 (2x)
- 4.8-12 (5x)
- 12-24 (10x)
- >24

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Well Screen Interval
- Bottom of Exploration

0 40
Scale in Feet

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-3c
Cross Section C-C' – Copper
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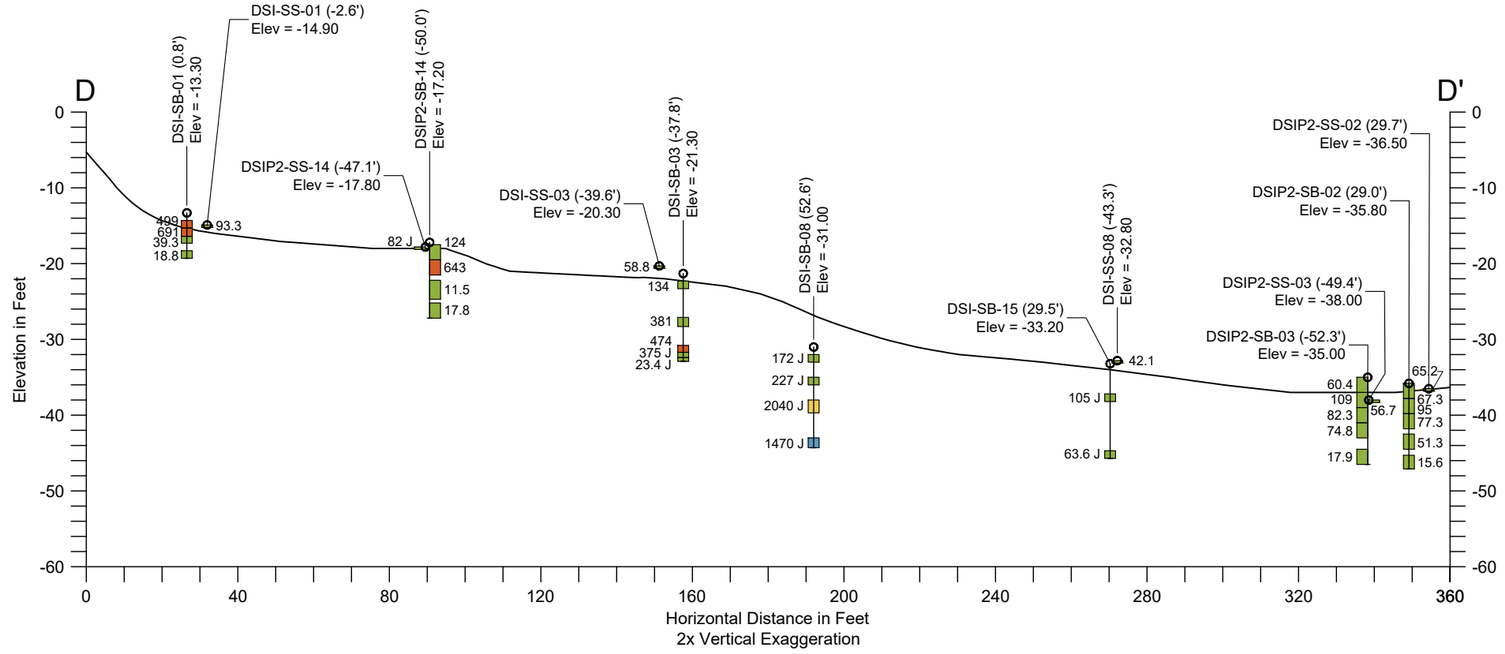
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Copper (mg/kg)

- <390 (Screening Level)
- 390-780 (2x)
- 780-1950 (5x)
- 1950-3900 (10x)
- >3900

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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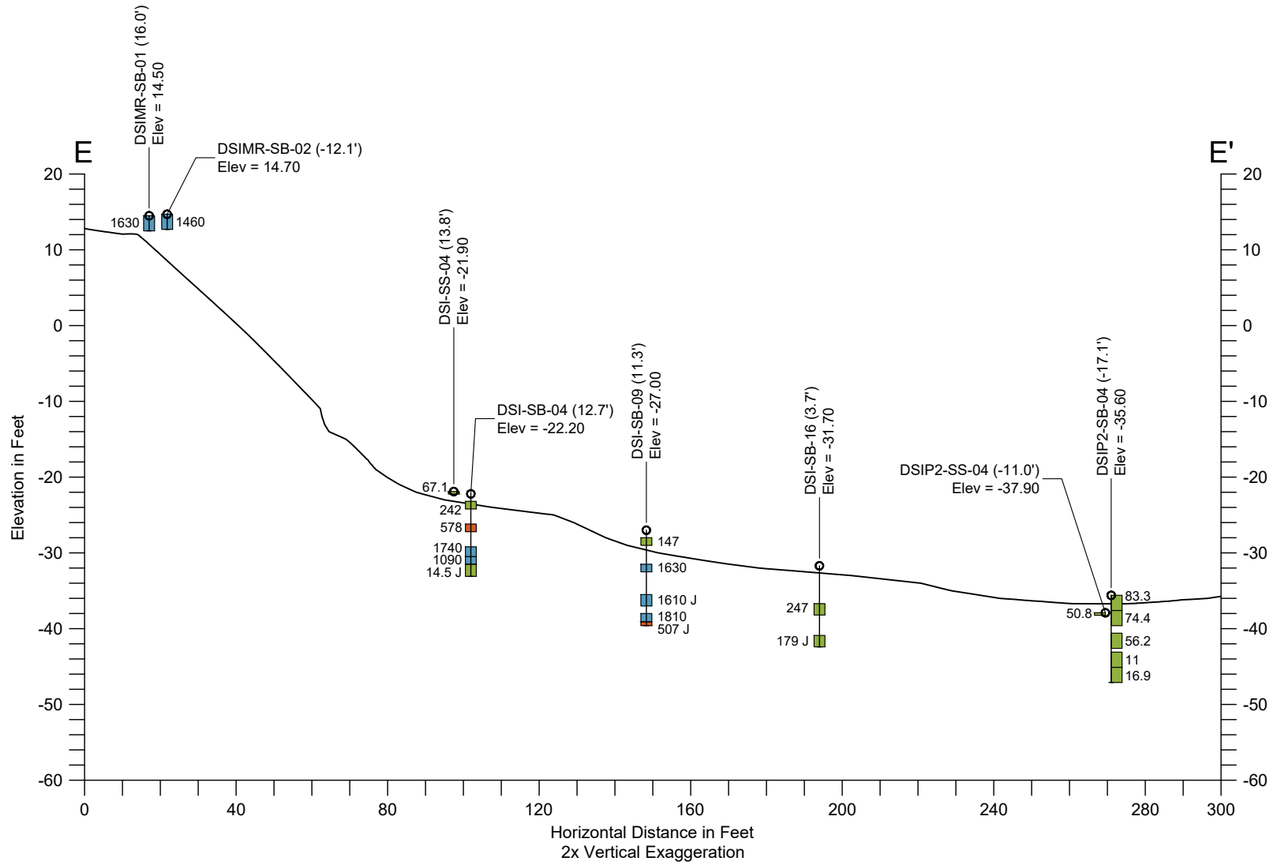
Figure G-3d
Cross Section D-D' – Copper
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Copper (mg/kg)

- <390 (Screening Level)
- 390-780 (2x)
- 780-1950 (5x)
- 1950-3900 (10x)
- >3900

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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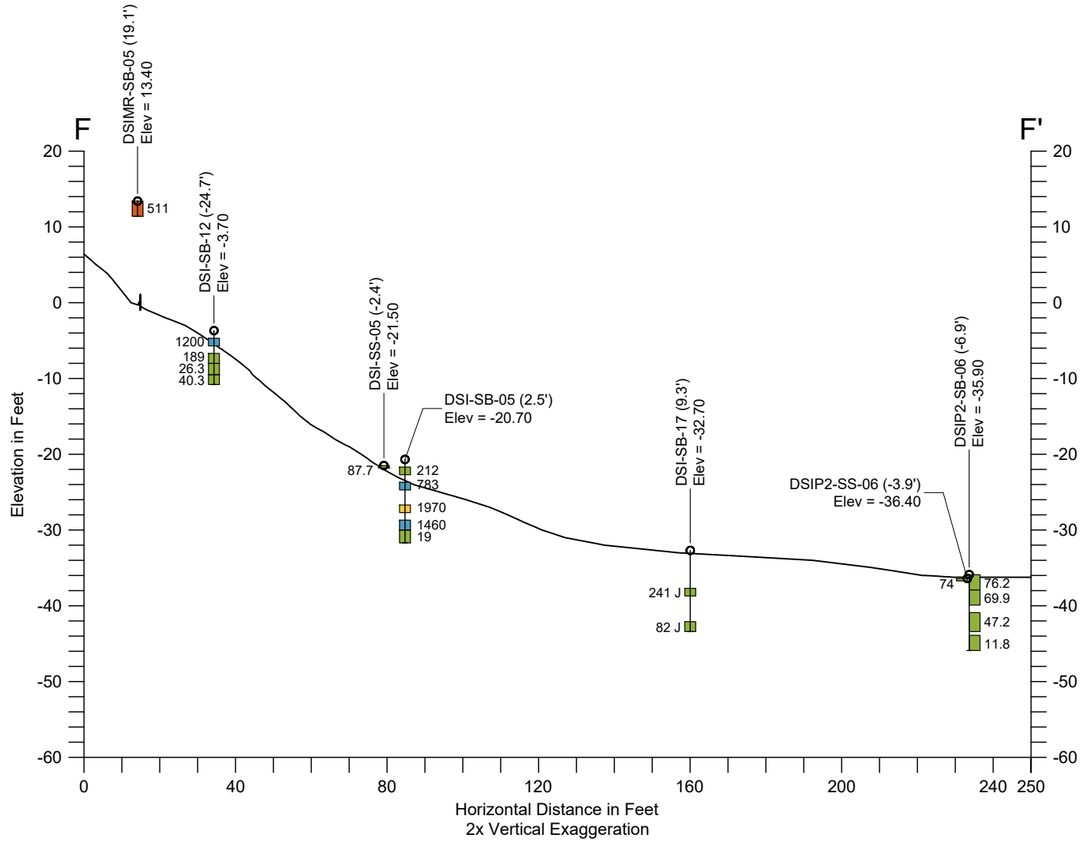
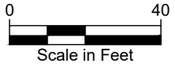
Figure G-3e
Cross Section E-E' – Copper
Public Review Draft RI Report
Duwamish Shipyard, Inc.





LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Copper (mg/kg)

- <390 (Screening Level)
- 390-780 (2x)
- 780-1950 (5x)
- 1950-3900 (10x)
- >3900

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-3f
Cross Section F-F' – Copper
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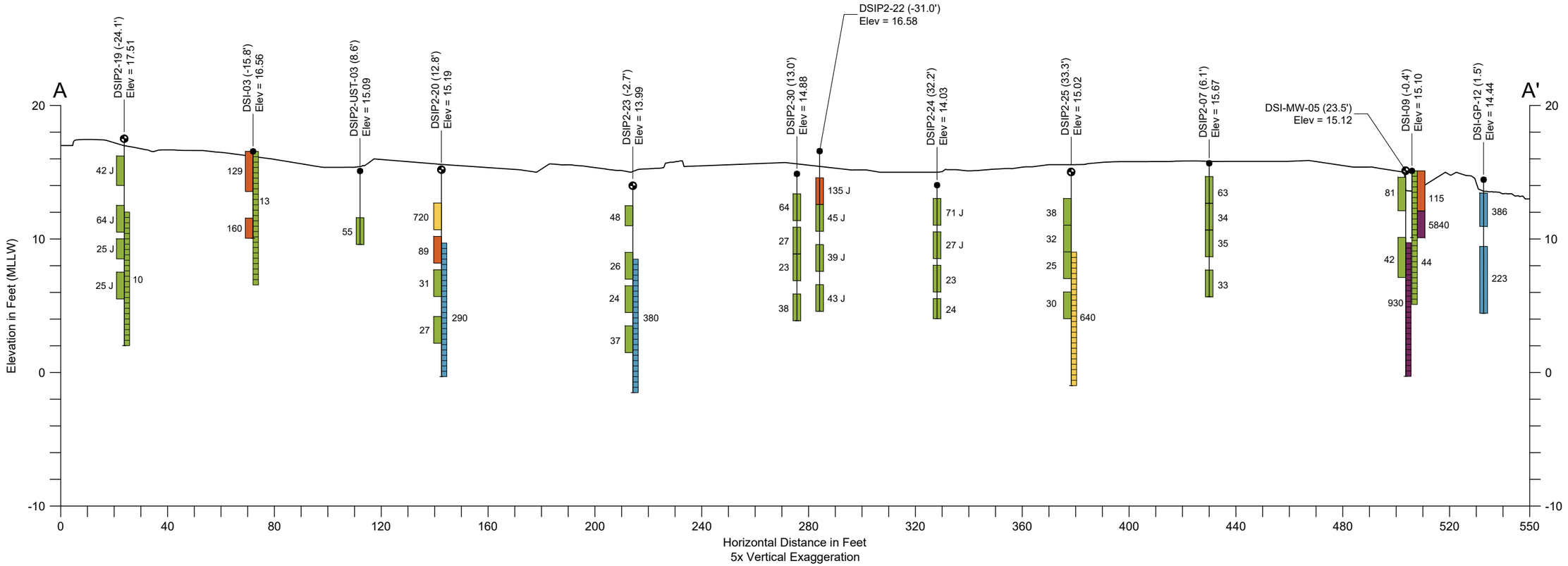
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level Zinc (mg/kg)	Groundwater Screening Level Zinc (μg/L)
<85 (Screening Level)	<81 (Screening Level)
85-170 (2x)	81-162 (2x)
170-425 (5x)	162-405 (5x)
425-850 (10x)	405-810 (10x)
>850	>810

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-4a
Cross Section A-A' – Zinc
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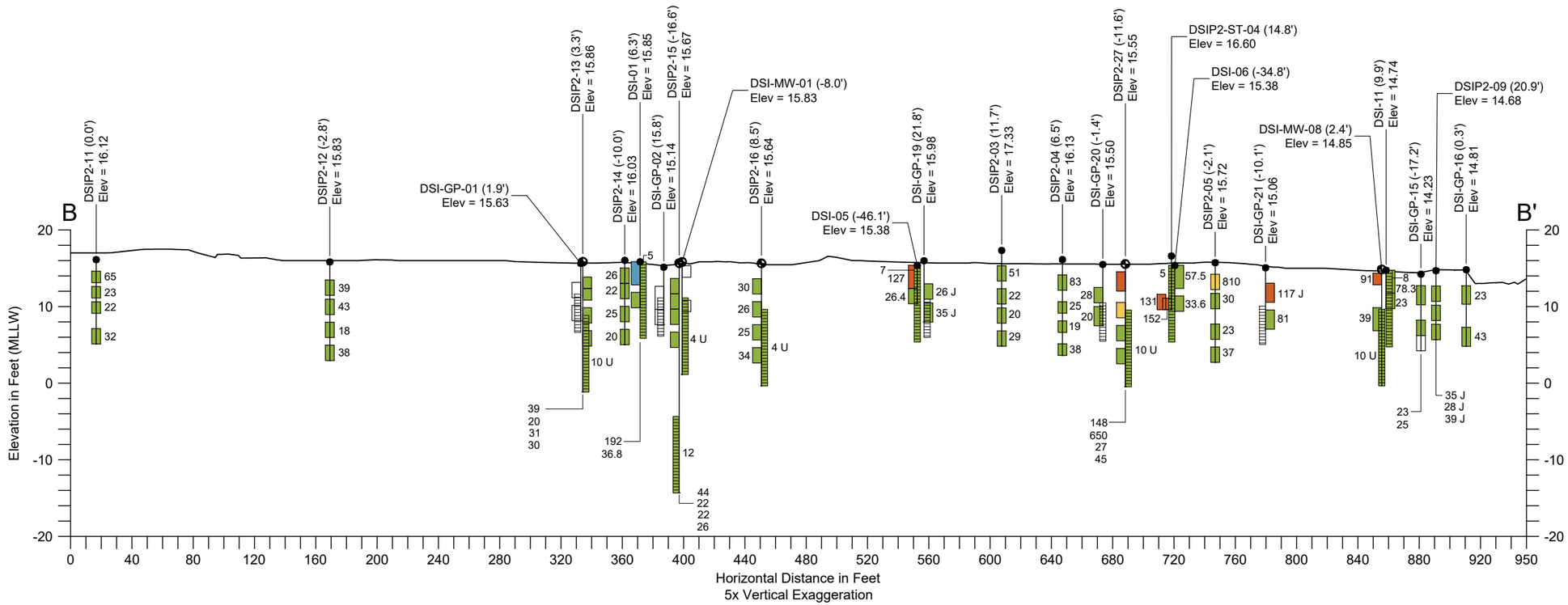
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level Zinc (mg/kg)	Groundwater Screening Level Zinc (μg/L)
<85 (Screening Level)	<81 (Screening Level)
85-170 (2x)	81-162 (2x)
170-425 (5x)	162-405 (5x)
425-850 (10x)	405-810 (10x)
>850	>810

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

Location and Depth of Exploration
Sample Location
Well Screen Interval
Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-4b
Cross Section B-B' – Zinc
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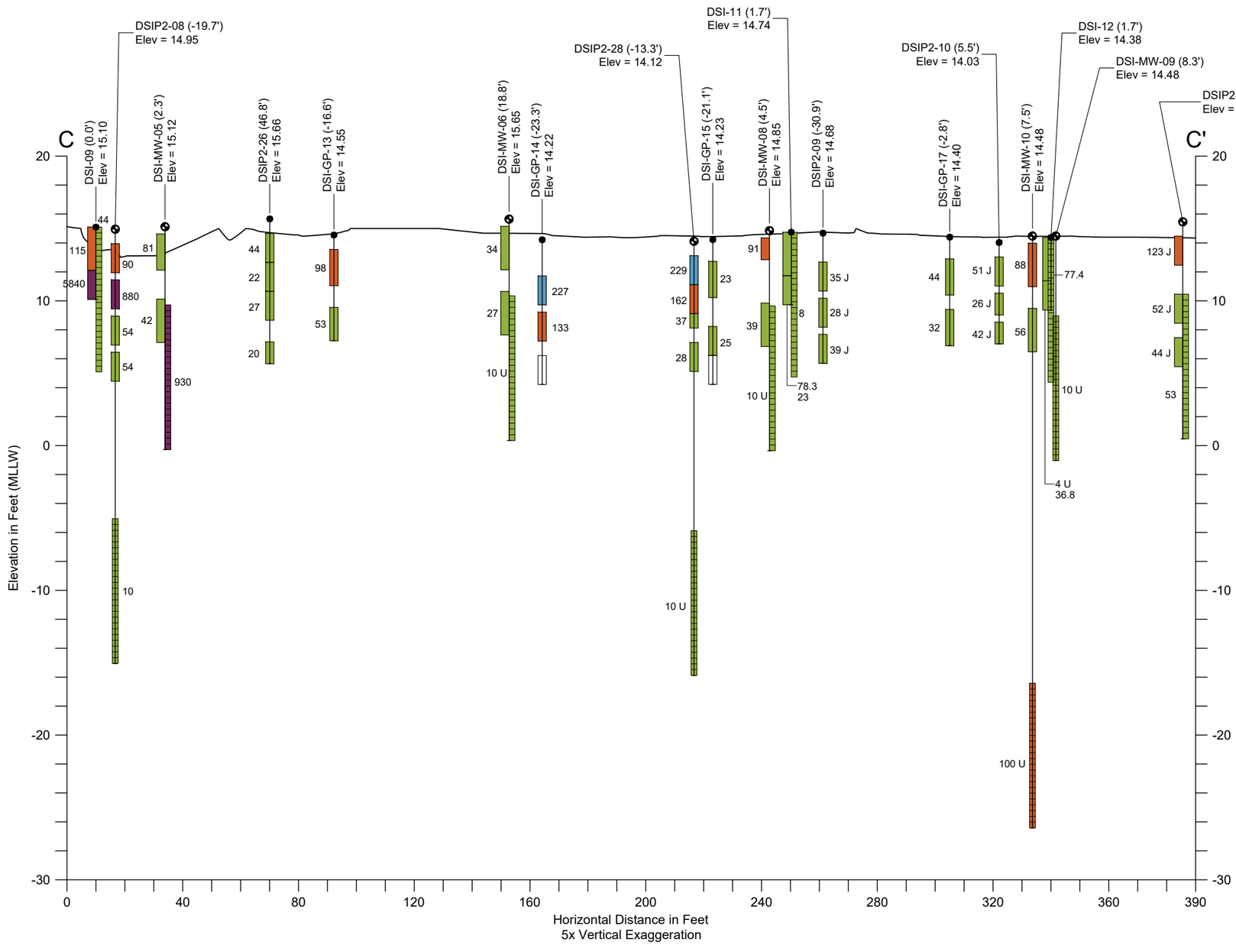
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Zinc (mg/kg)

- <85 (Screening Level)
- 85-170 (2x)
- 170-425 (5x)
- 425-850 (10x)
- >850

Groundwater Screening Level
Zinc (μg/L)

- <81 (Screening Level)
- 81-162 (2x)
- 162-405 (5x)
- 405-810 (10x)
- >810

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Well Screen Interval
- Bottom of Exploration

0 40
Scale in Feet

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-4c
Cross Section C-C' – Zinc
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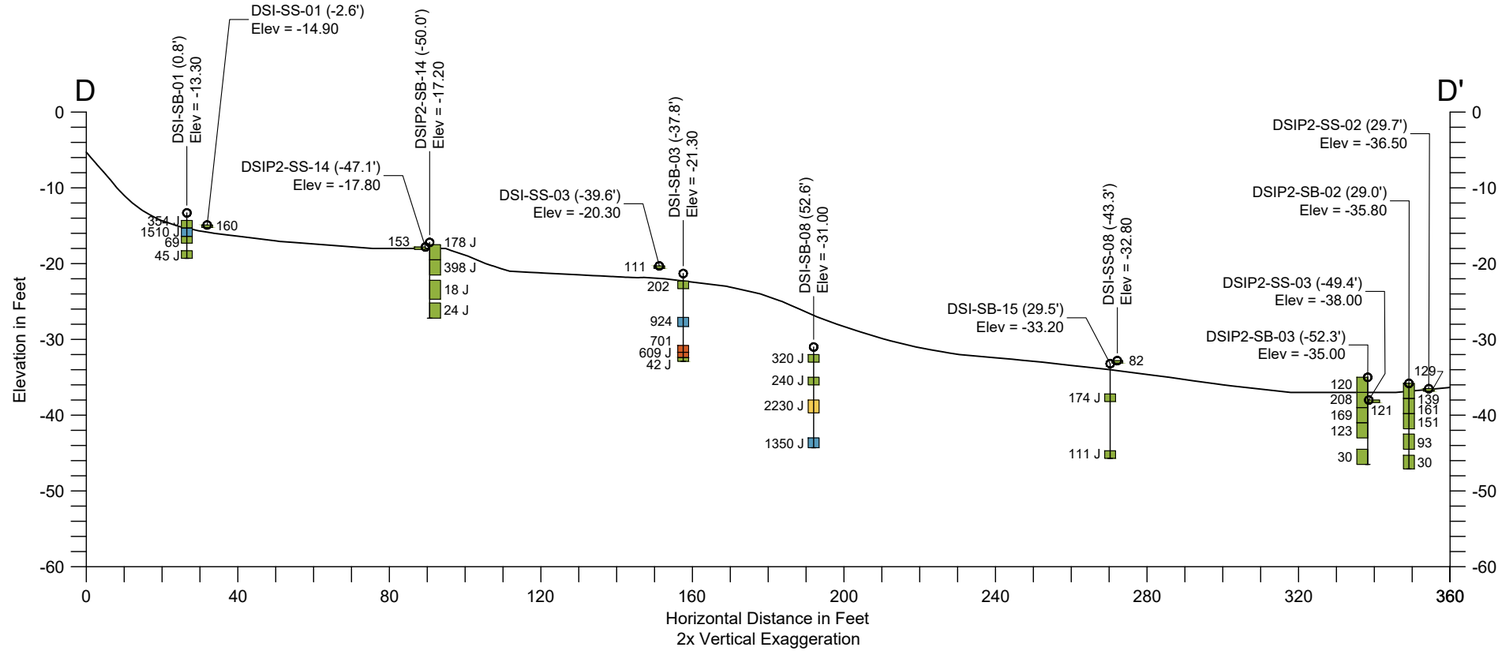
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Zinc (mg/kg)

- <410 (Screening Level)
- 410-820 (2x)
- 820-2050 (5x)
- 2050-4100 (10x)
- >4100

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-4d
Cross Section D-D' – Zinc
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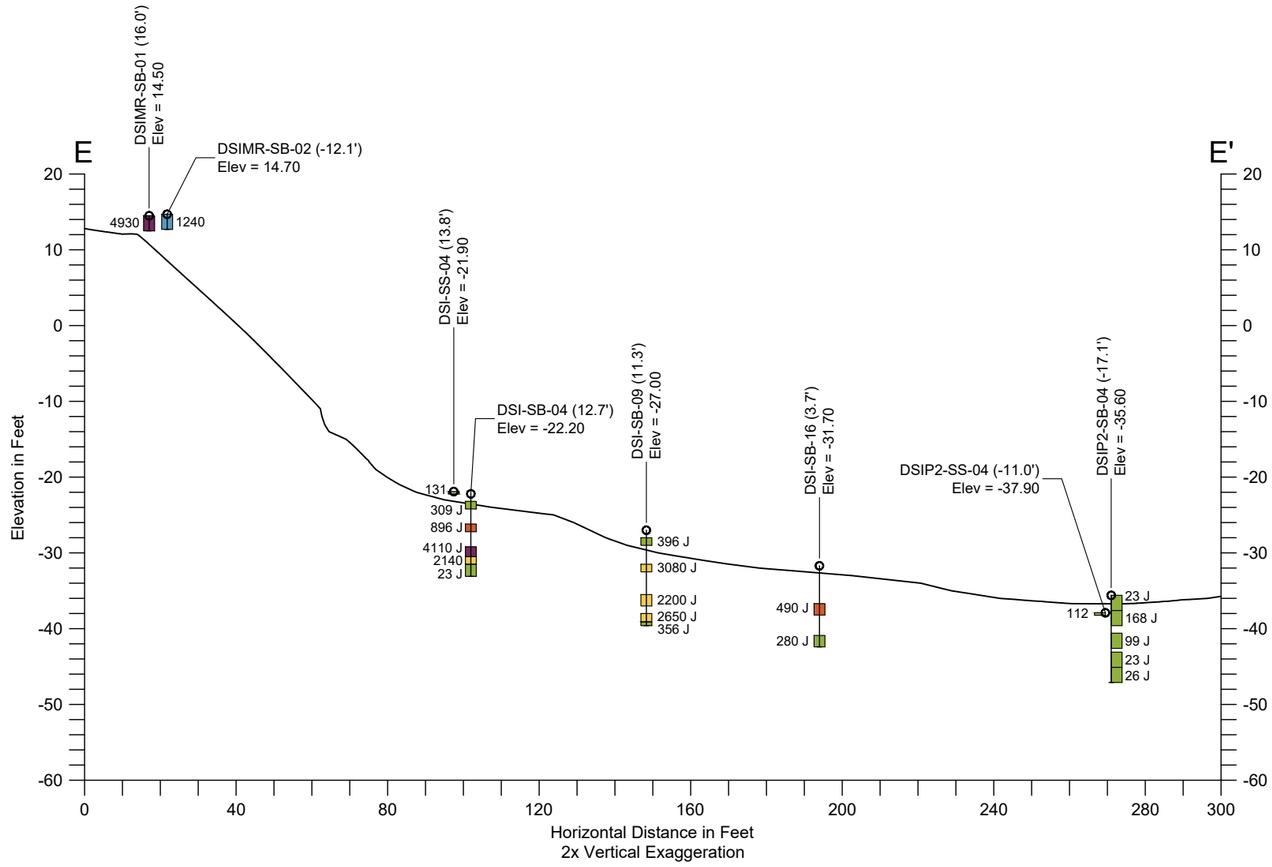
Duwamish Shipyard, Inc.



0 40
Scale in Feet

LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Zinc (mg/kg)

- <410 (Screening Level)
- 410-820 (2x)
- 820-2050 (5x)
- 2050-4100 (10x)
- >4100

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-4e
Cross Section E-E' – Zinc
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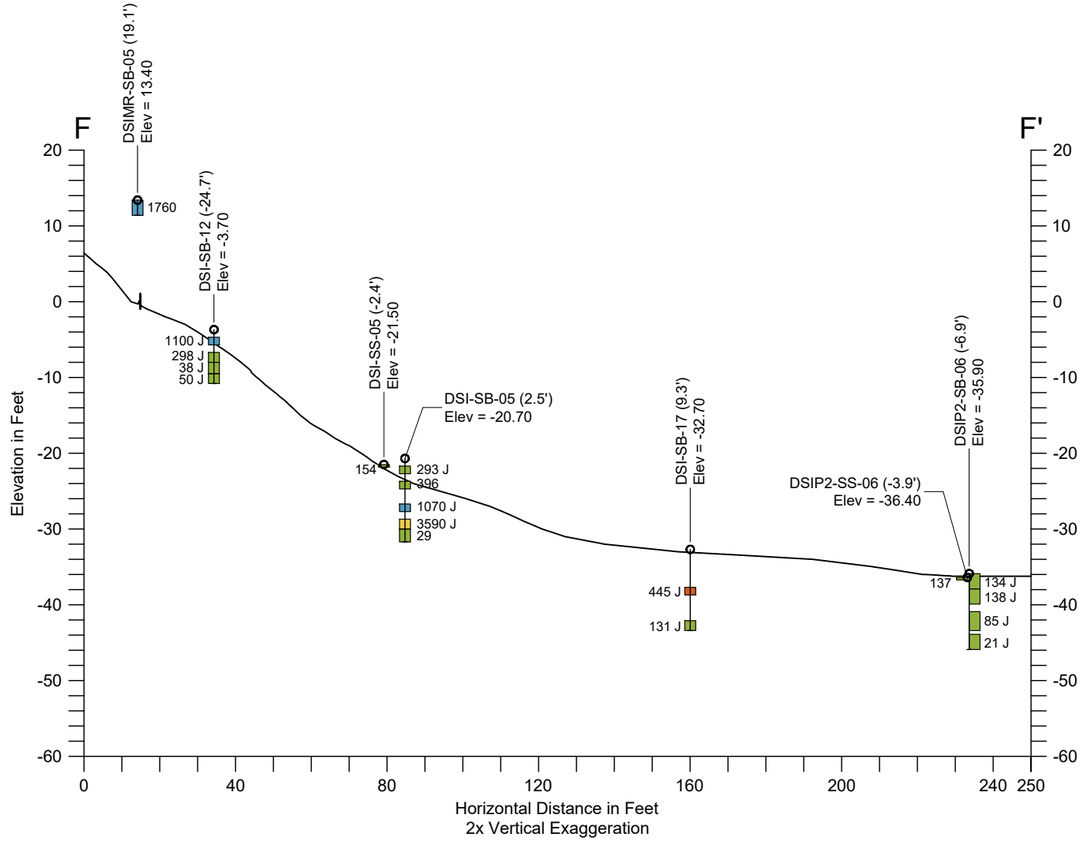
Duwamish Shipyard, Inc.



0 40
Scale in Feet

LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Zinc (mg/kg)

- <410 (Screening Level)
- 410-820 (2x)
- 820-2050 (5x)
- 2050-4100 (10x)
- >4100

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-4f
Cross Section F-F' – Zinc
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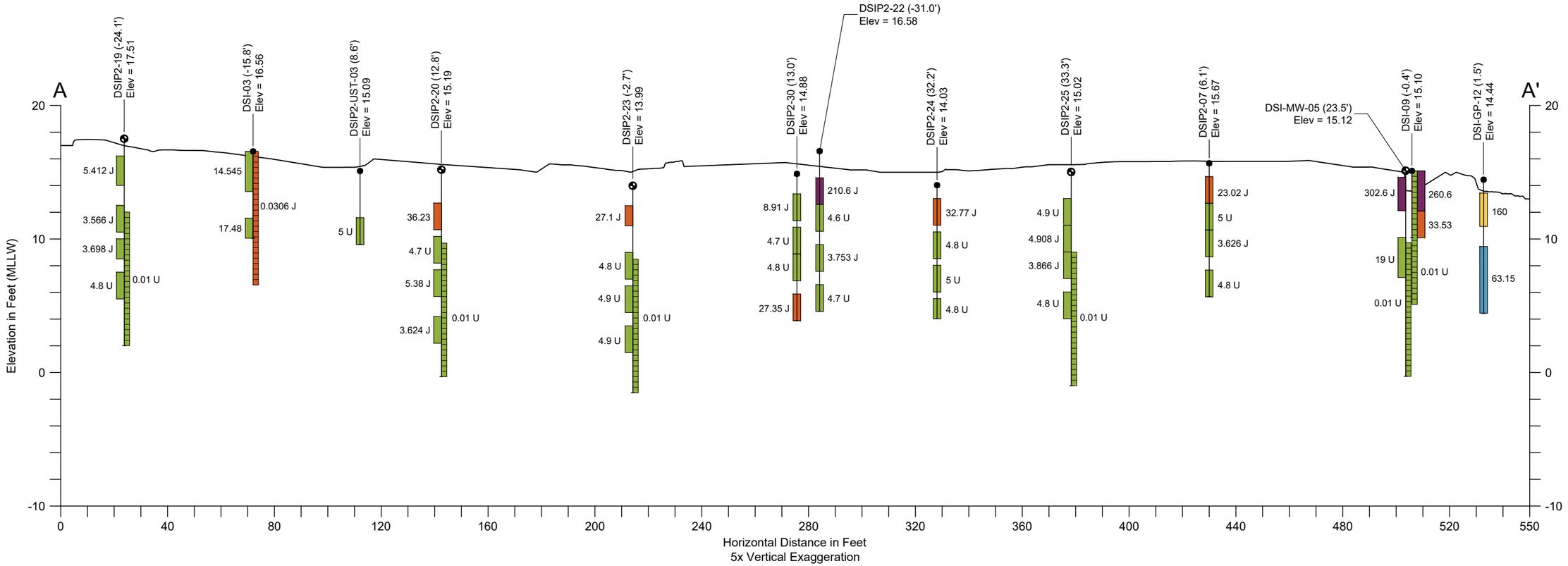
Duwamish Shipyard, Inc.



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LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level Total cPAHs TEQ (μg/kg)	Groundwater Screening Level Total cPAHs TEQ (μg/L)
<20 (Screening Level)	<0.021 (Screening Level)
20-40 (2x)	0.021-0.042 (2x)
40-100 (5x)	0.042-0.105 (5x)
100-200 (10x)	0.105-0.21 (10x)
>200	>0.21

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

Location and Depth of Exploration
Sample Location
Well Screen Interval
Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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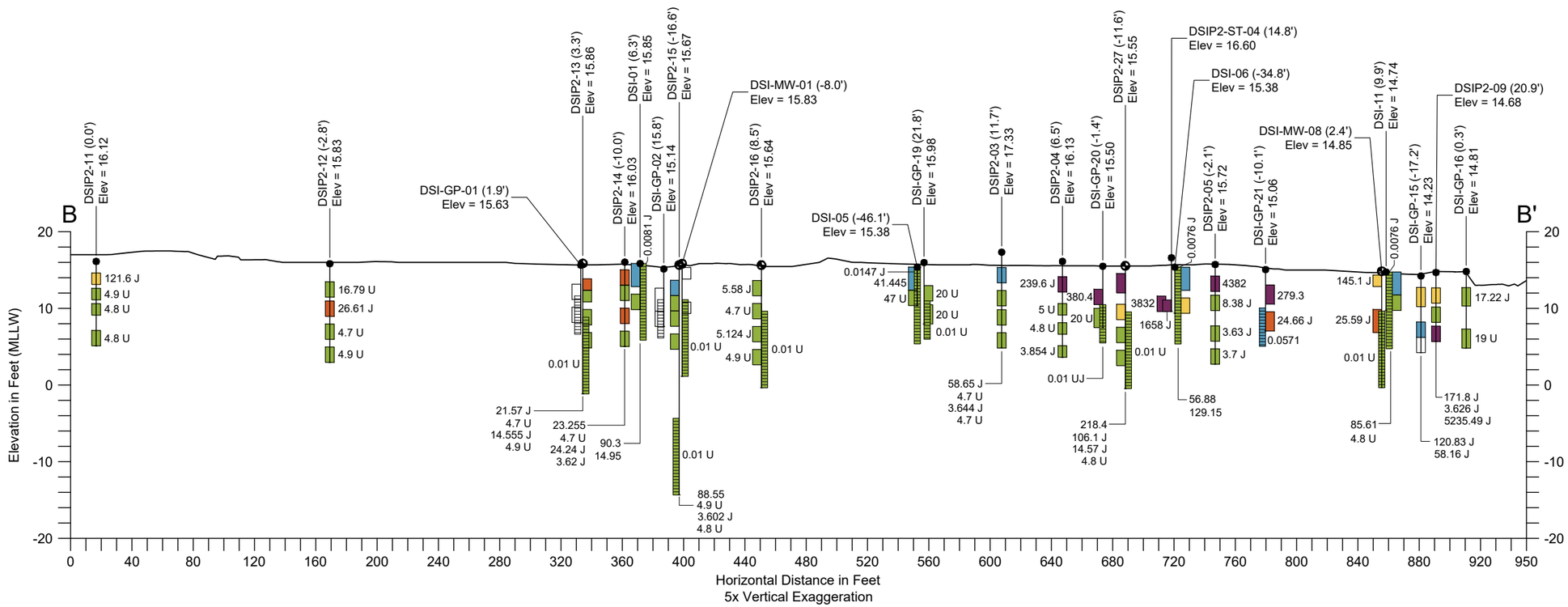
Figure G-5a
Cross Section A-A' – Total cPAHs TEQ
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab (Line represents extent of available RI sample data)

Soil Screening Level
Total cPAHs TEQ (μg/kg)

- <20 (Screening Level)
- 20-40 (2x)
- 40-100 (5x)
- 100-200 (10x)
- >200

Groundwater Screening Level
Total cPAHs TEQ (μg/L)

- <0.021 (Screening Level)
- 0.021-0.042 (2x)
- 0.042-0.105 (5x)
- 0.105-0.21 (10x)
- >0.21

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-5b
Cross Section B-B' – Total cPAHs TEQ
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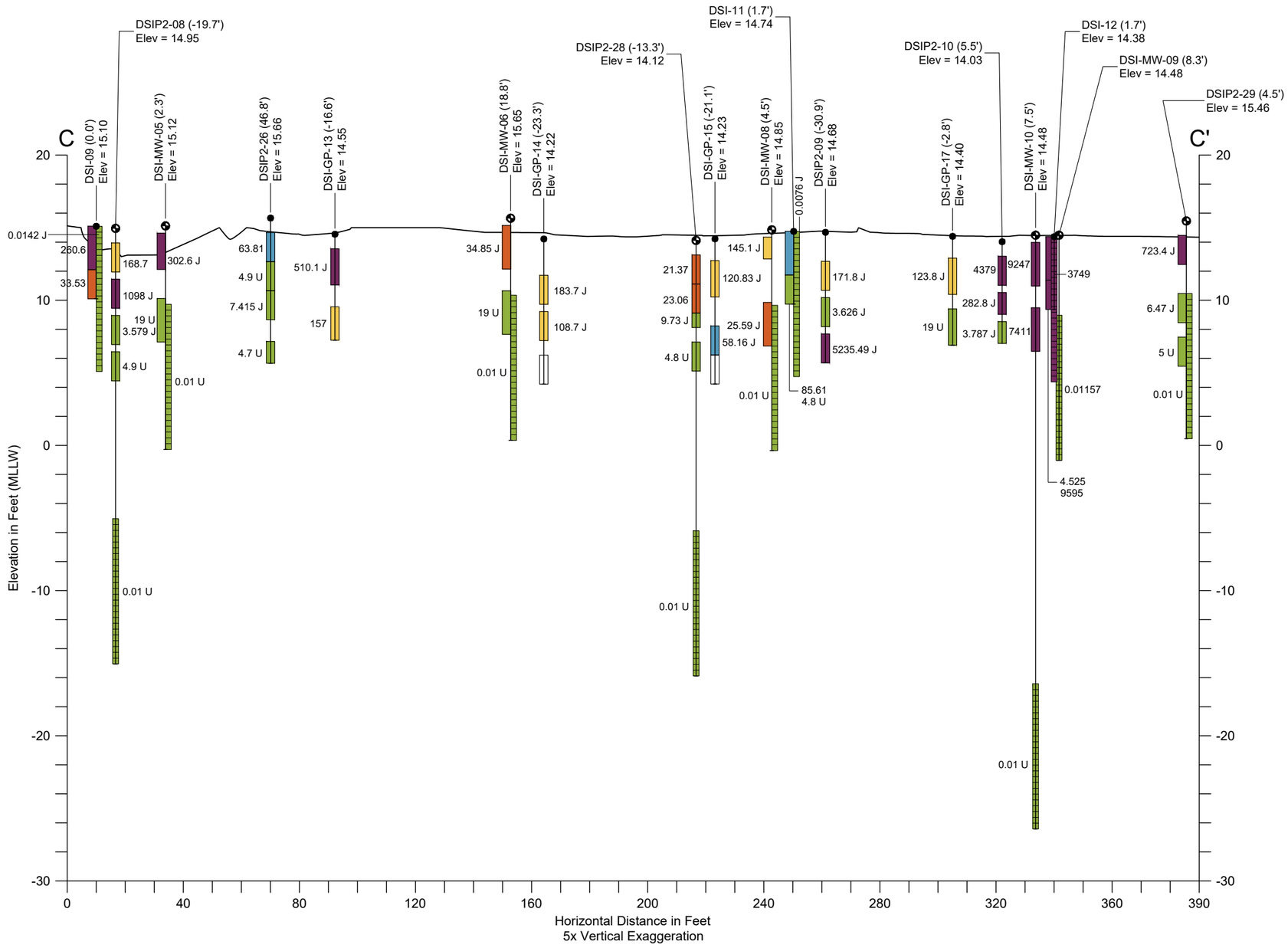
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Total cPAHs TEQ (μg/kg)

- <20 (Screening Level)
- 20-40 (2x)
- 40-100 (5x)
- 100-200 (10x)
- >200

Groundwater Screening Level
Total cPAHs TEQ (μg/L)

- <0.021 (Screening Level)
- 0.021-0.042 (2x)
- 0.042-0.105 (5x)
- 0.105-0.21 (10x)
- >0.21

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Well Screen Interval
- Bottom of Exploration

0 40
Scale in Feet

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-5c
Cross Section C-C' – Total cPAHs TEQ
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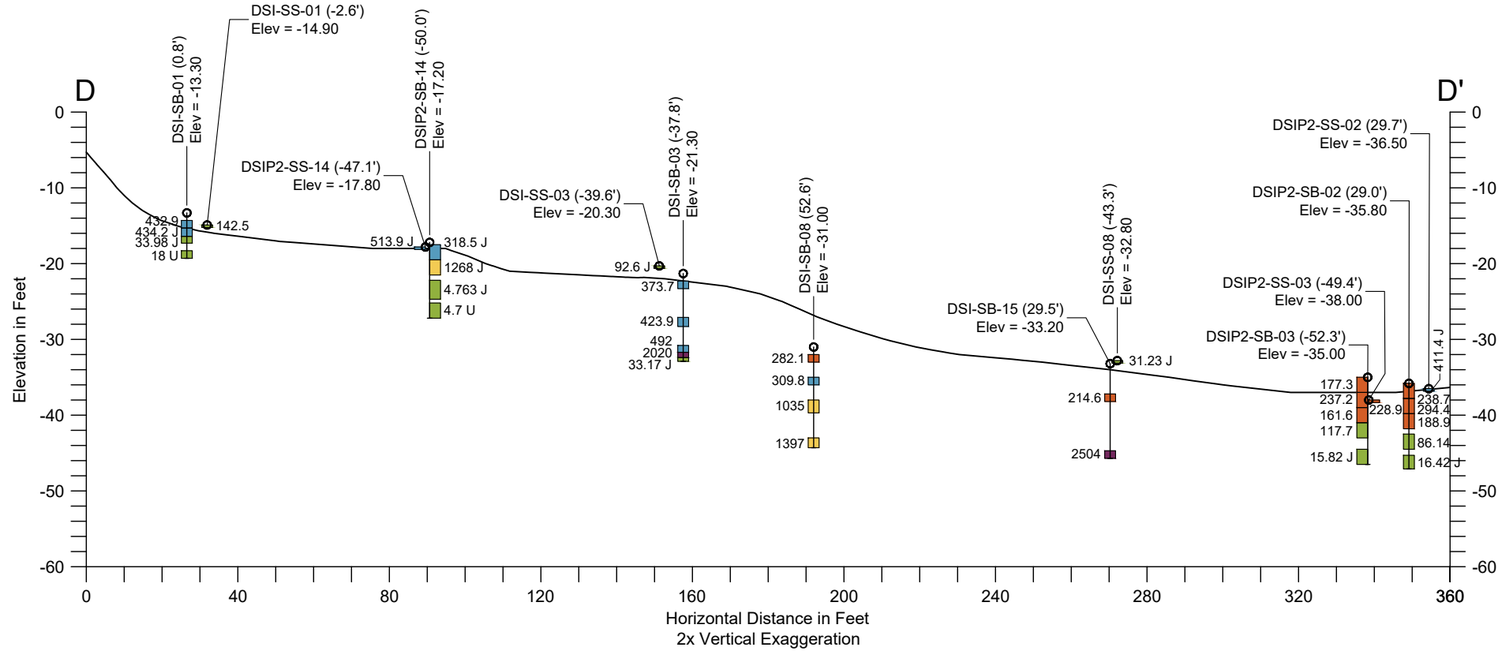
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Total cPAHs TEQ (μg/kg)

- <150 (Screening Level)
- 150-300 (2x)
- 300-750 (5x)
- 750-1500 (10x)
- >1500

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-5d
Cross Section D-D' – Total cPAHs TEQ
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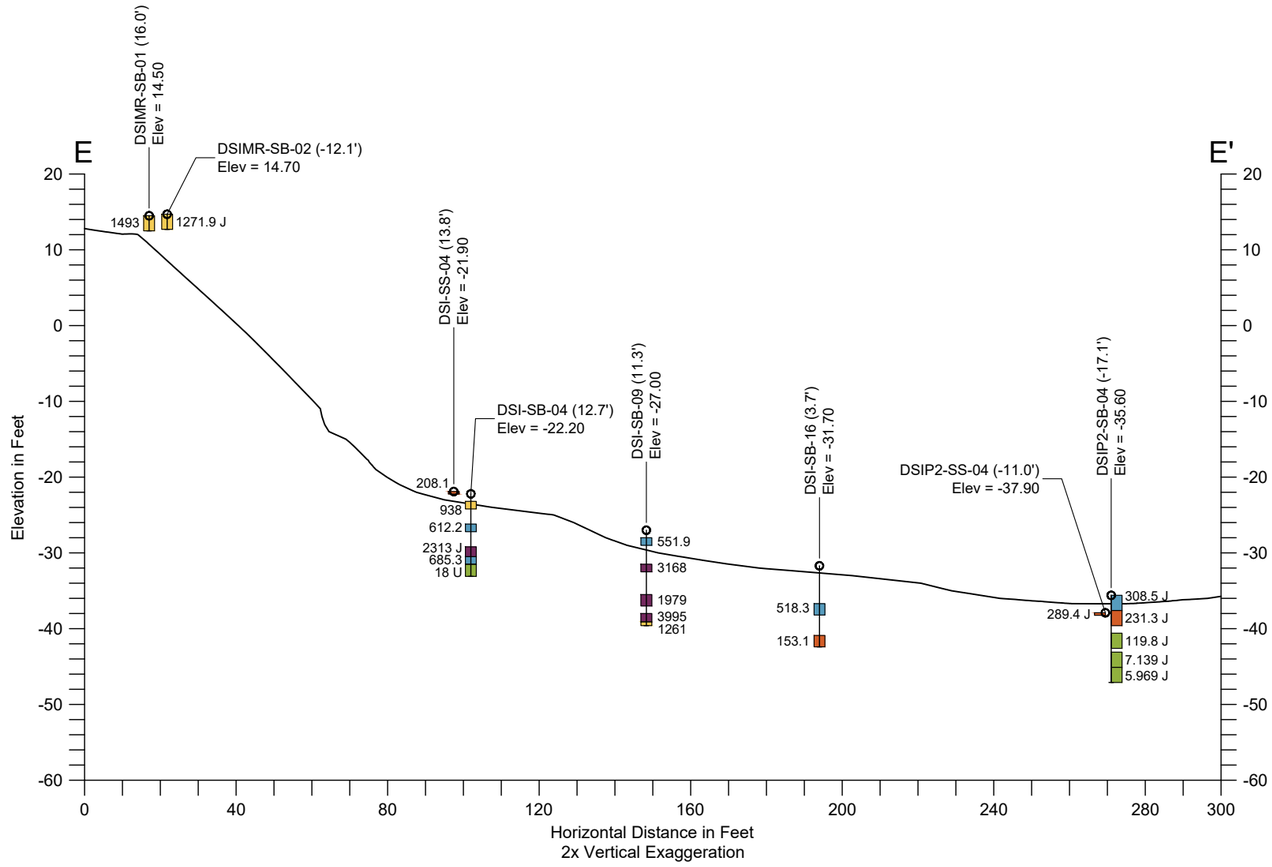
Duwamish Shipyard, Inc.



0 40
Scale in Feet

LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Total cPAHs TEQ (μg/kg)

- <150 (Screening Level)
- 150-300 (2x)
- 300-750 (5x)
- 750-1500 (10x)
- >1500

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-5e
Cross Section E-E' – Total cPAHs TEQ
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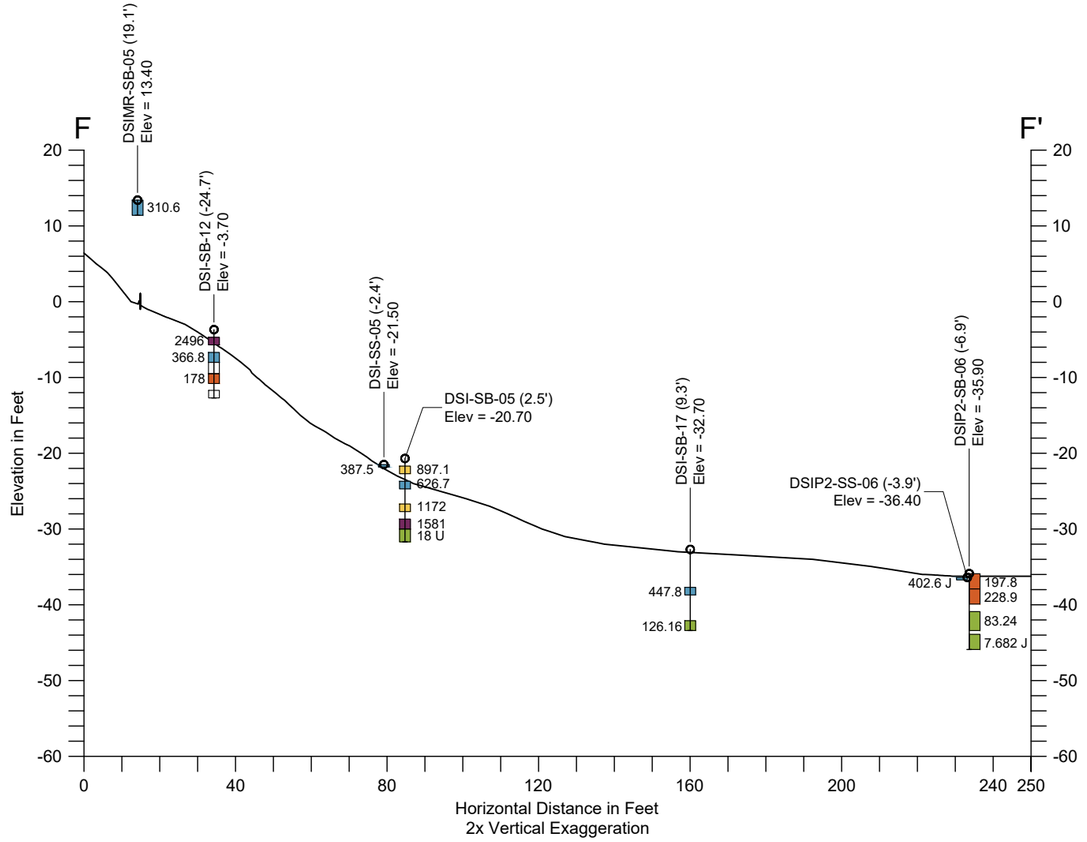
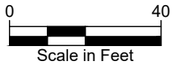
Duwamish Shipyard, Inc.





LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Total cPAHs TEQ (μg/kg)

- <150 (Screening Level)
- 150-300 (2x)
- 300-750 (5x)
- 750-1500 (10x)
- >1500

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-5f
Cross Section F-F' – Total cPAHs TEQ
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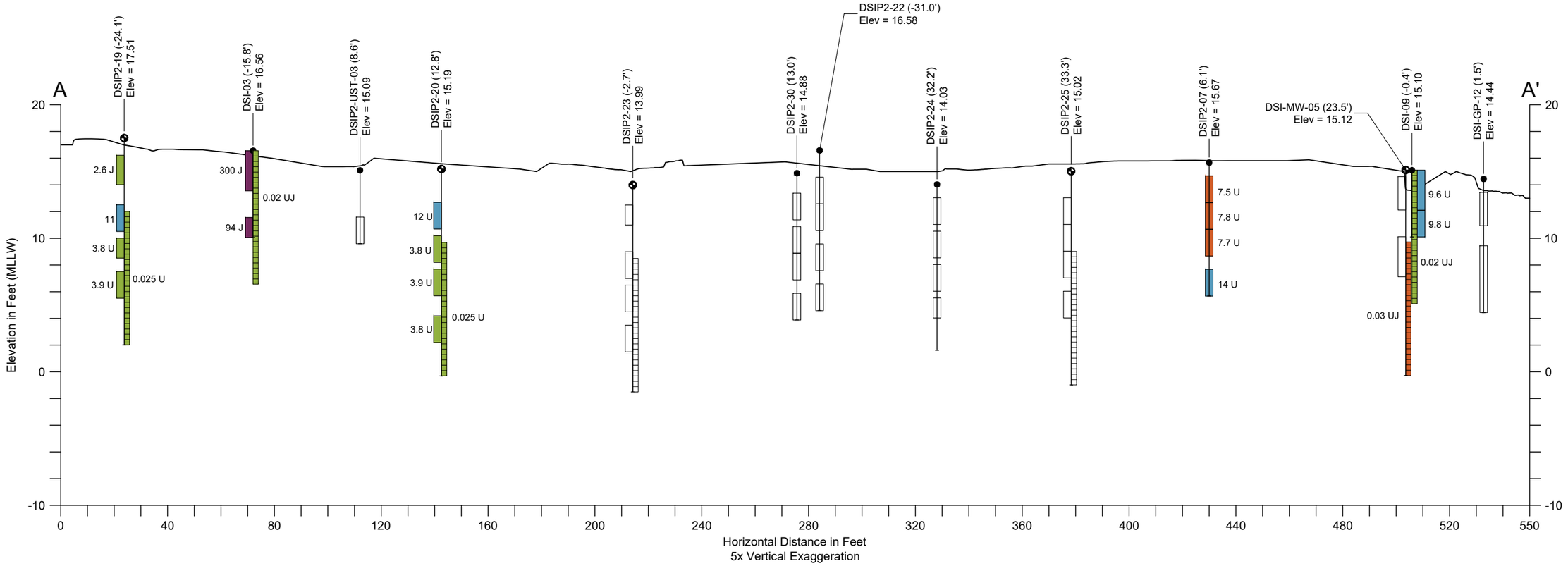

LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level Total PCB Aroclors (μg/kg)	Groundwater Screening Level Total PCB Aroclors (μg/L)
<4 (Screening Level)	<0.025 (Screening Level)
4-8 (2x)	0.025-0.05 (2x)
8-20 (5x)	0.05-0.125 (5x)
20-40 (10x)	0.125-0.25 (10x)
>40	>0.25

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

Location and Depth of Exploration
Sample Location
Well Screen Interval
Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-6a
Cross Section A-A' – Total PCB Aroclors
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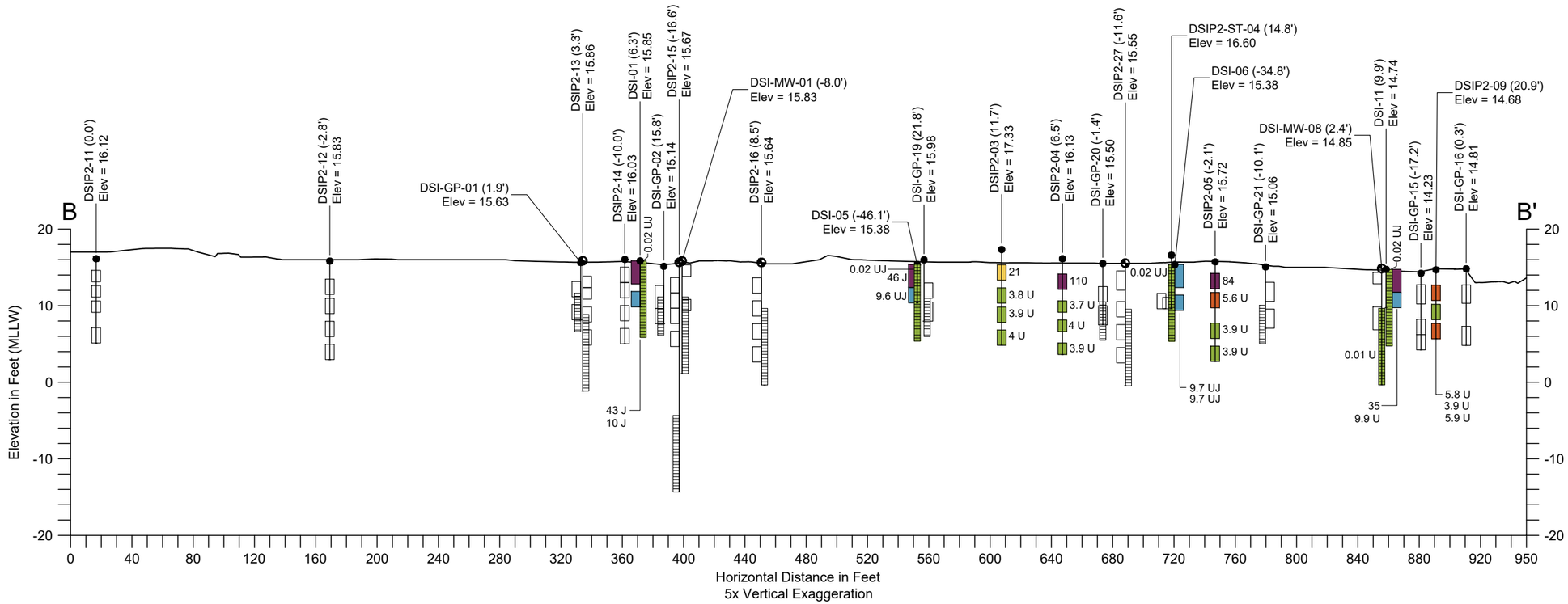
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab (Line represents extent of available RI sample data)

Soil Screening Level
Total PCB Aroclors (μg/kg)

- <4 (Screening Level)
- 4-8 (2x)
- 8-20 (5x)
- 20-40 (10x)
- >40

Groundwater Screening Level
Total PCB Aroclors (μg/L)

- <0.025 (Screening Level)
- 0.025-0.05 (2x)
- 0.05-0.125 (5x)
- 0.125-0.25 (10x)
- >0.25

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-6b
Cross Section B-B' – Total PCB Aroclors
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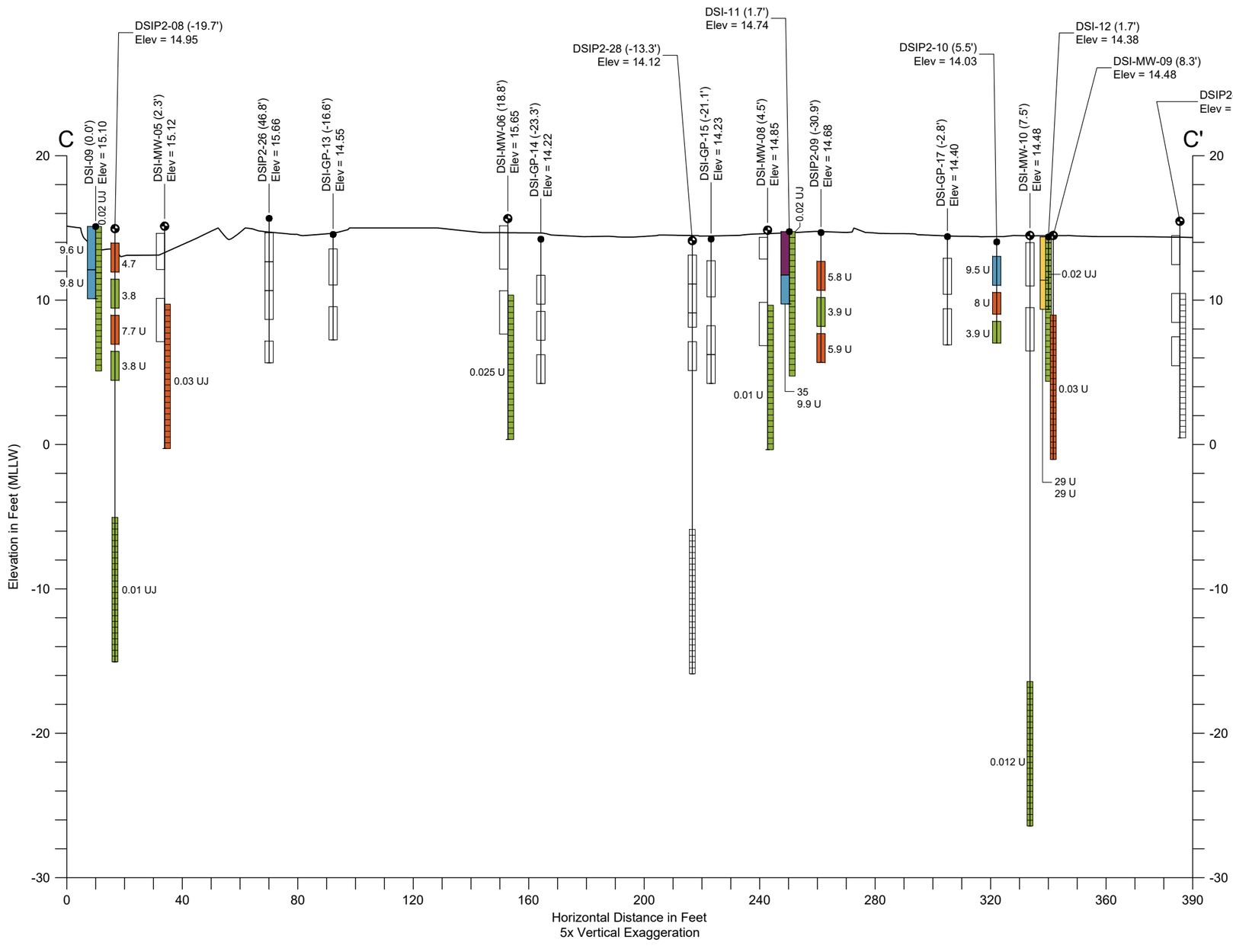
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Total PCB Aroclors (μg/kg)

- <4 (Screening Level)
- 4-8 (2x)
- 8-20 (5x)
- 20-40 (10x)
- >40

Groundwater Screening Level
Total PCB Aroclors (μg/L)

- <0.025 (Screening Level)
- 0.025-0.05 (2x)
- 0.05-0.125 (5x)
- 0.125-0.25 (10x)
- >0.25

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Well Screen Interval
- Bottom of Exploration

0 40
Scale in Feet

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-6c
Cross Section C-C' – Total PCB Aroclors
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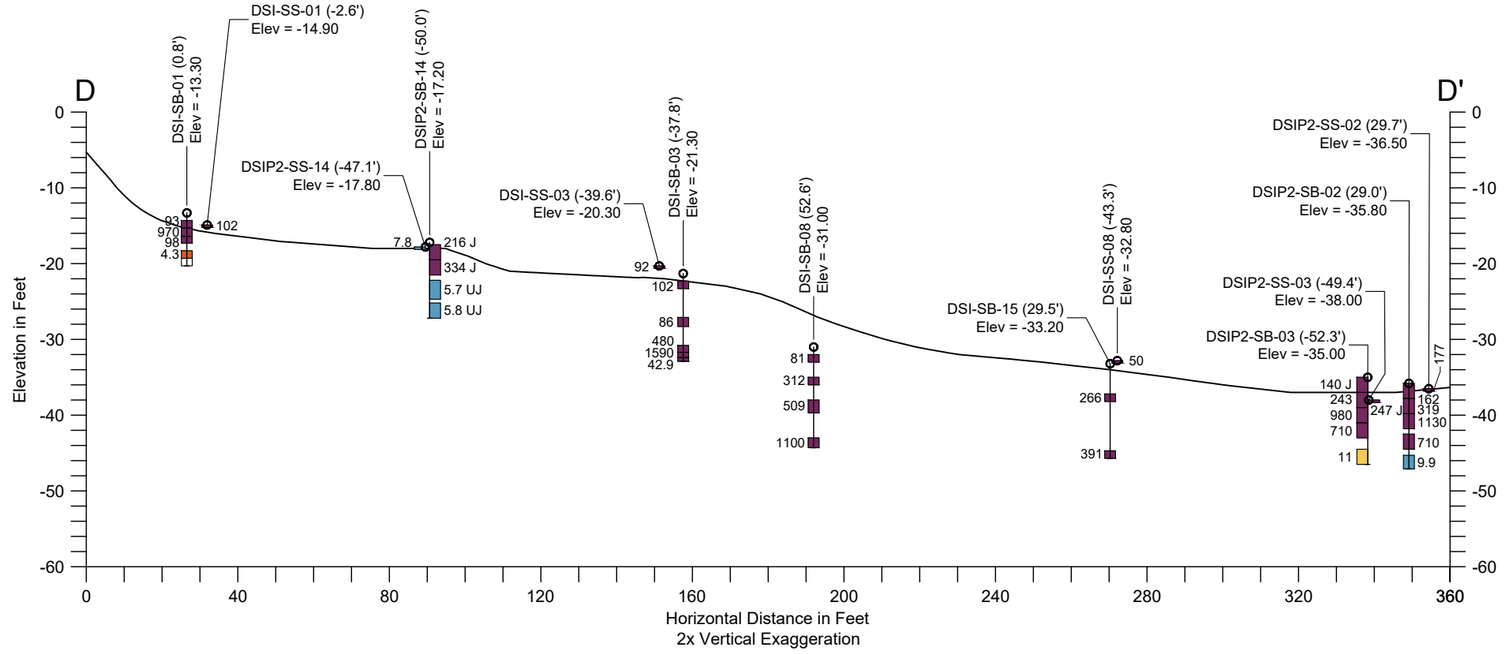
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Total PCB Aroclors (μg/kg)

- <2 (Screening Level)
- 2-4 (2x)
- 4-10 (5x)
- 10-20 (10x)
- >20

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-6d
Cross Section D-D' – Total PCB Aroclors
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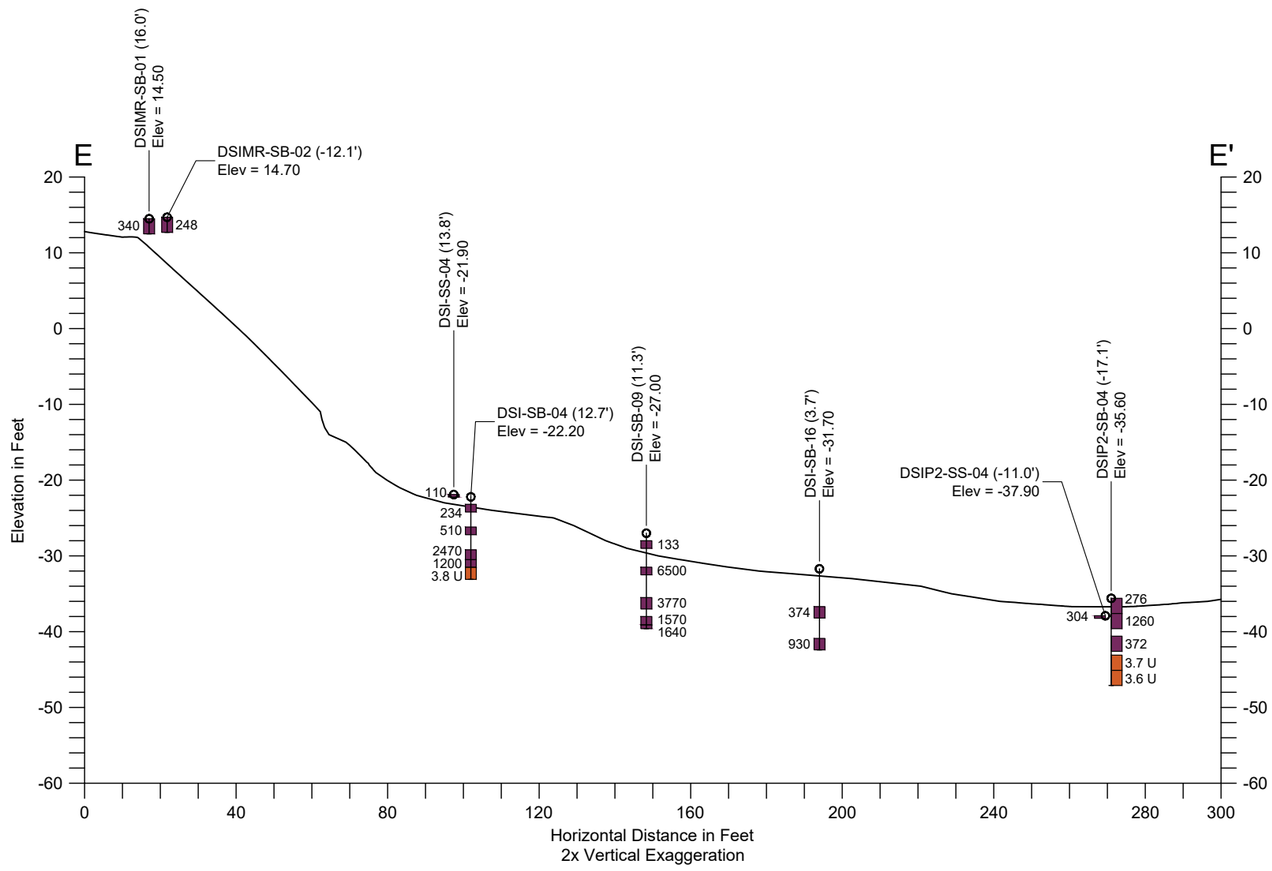
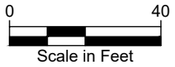
Duwamish Shipyard, Inc.





LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Total PCB Aroclors (μg/kg)

- <2 (Screening Level)
- 2-4 (2x)
- 4-10 (5x)
- 10-20 (10x)
- >20

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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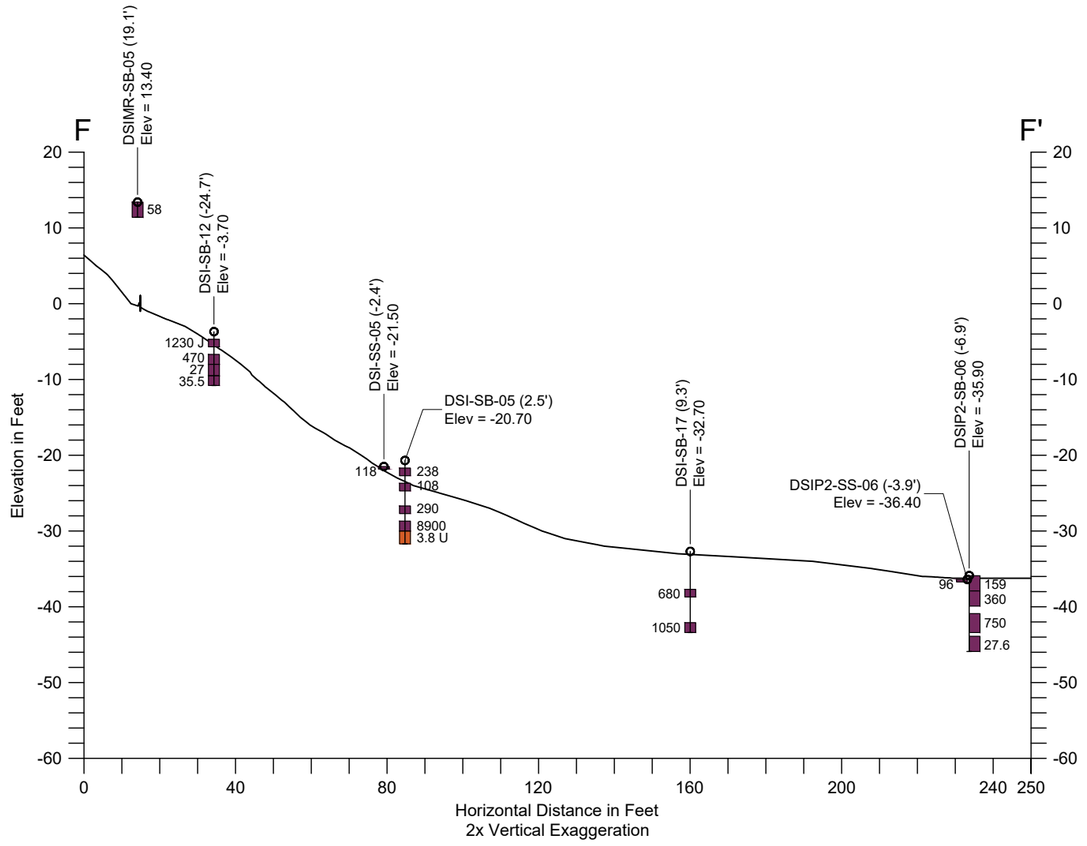
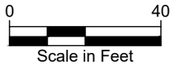
Figure G-6e
Cross Section E-E' – Total PCB Aroclors
Public Review Draft RI Report
Duwamish Shipyard, Inc.





LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Total PCB Aroclors (μg/kg)

- <2 (Screening Level)
- 2-4 (2x)
- 4-10 (5x)
- 10-20 (10x)
- >20

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-6f
Cross Section F-F' – Total PCB Aroclors
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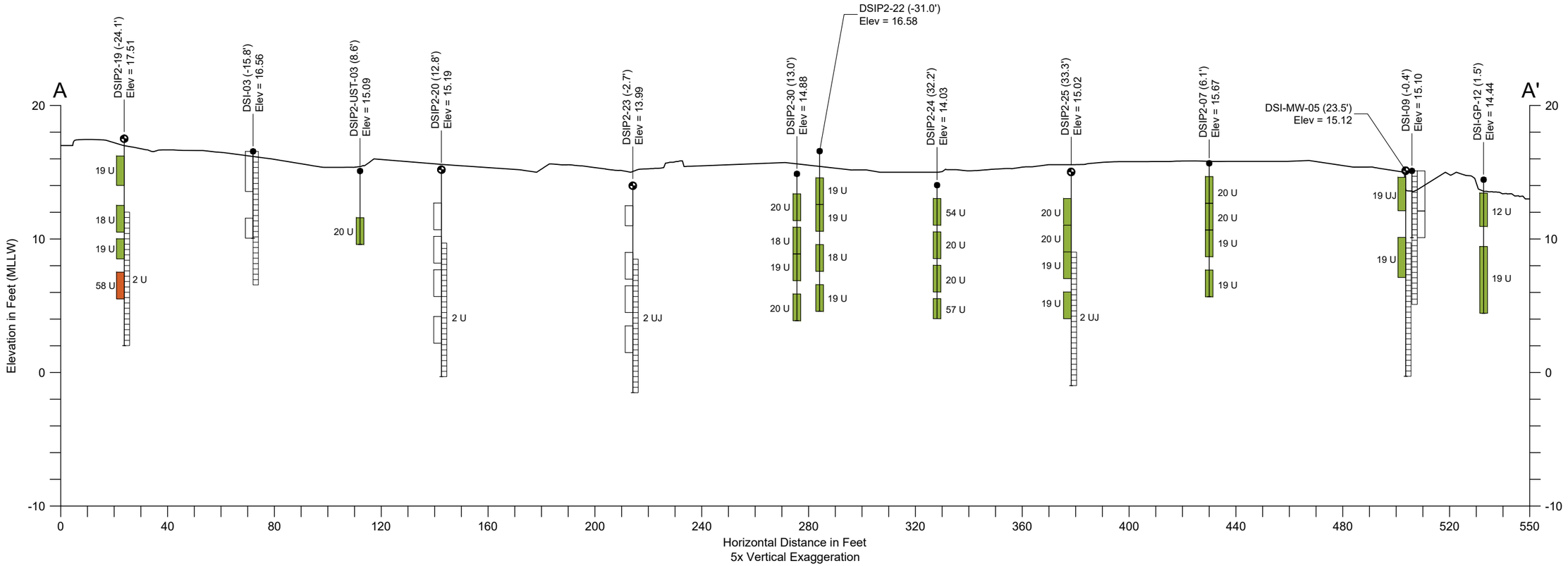
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Benzyl Alcohol (μg/kg)

- <57 (Screening Level)
- 57-114 (2x)
- 114-285 (5x)
- 285-570 (10x)
- >570

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.
4. No site groundwater screening level exists for Benzyl Alcohol.

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Figure G-7a
Cross Section A-A' – Benzyl Alcohol
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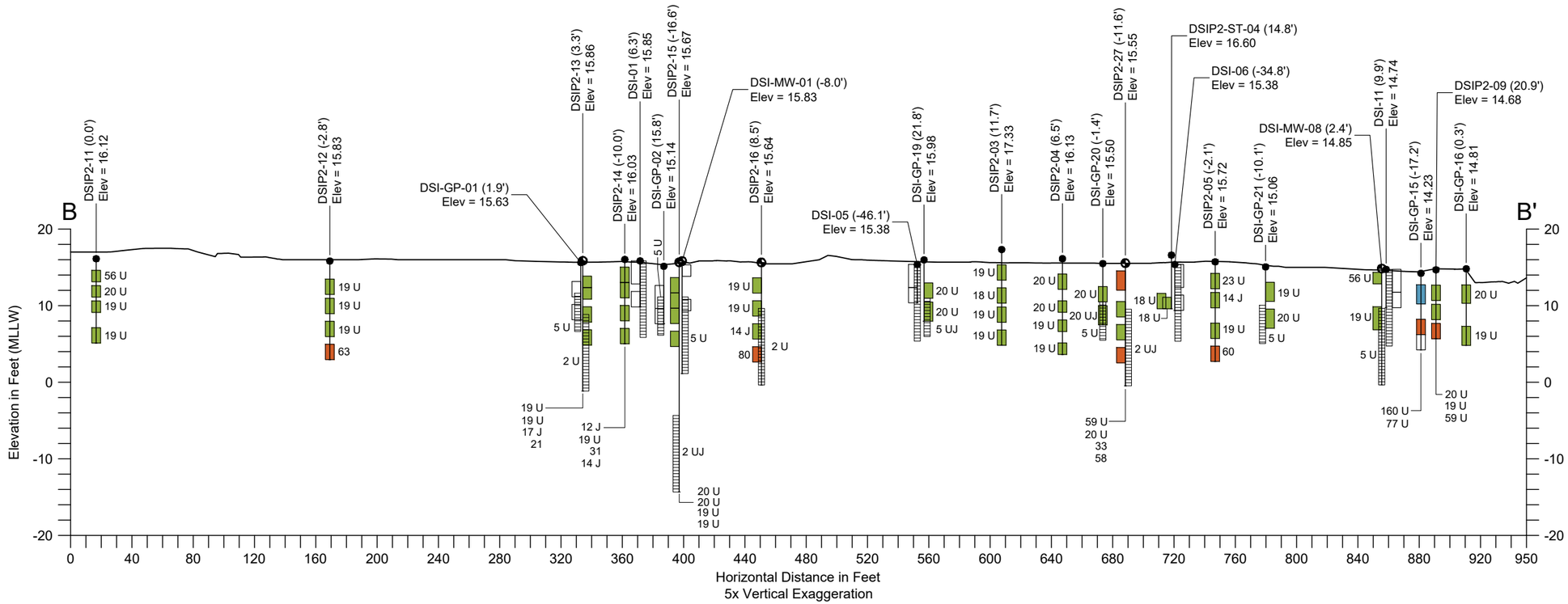
Duwamish Shipyard, Inc.



0 80
Scale in Feet

LEGEND:

- Soil Boring (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab (Line represents extent of available RI sample data)

Soil Screening Level
Benzyl Alcohol (μg/kg)

- <57 (Screening Level)
- 57-114 (2x)
- 114-285 (5x)
- 285-570 (10x)
- >570

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.
4. No site groundwater screening level exists for Benzyl Alcohol.

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Figure G-7b
Cross Section B-B' – Benzyl Alcohol
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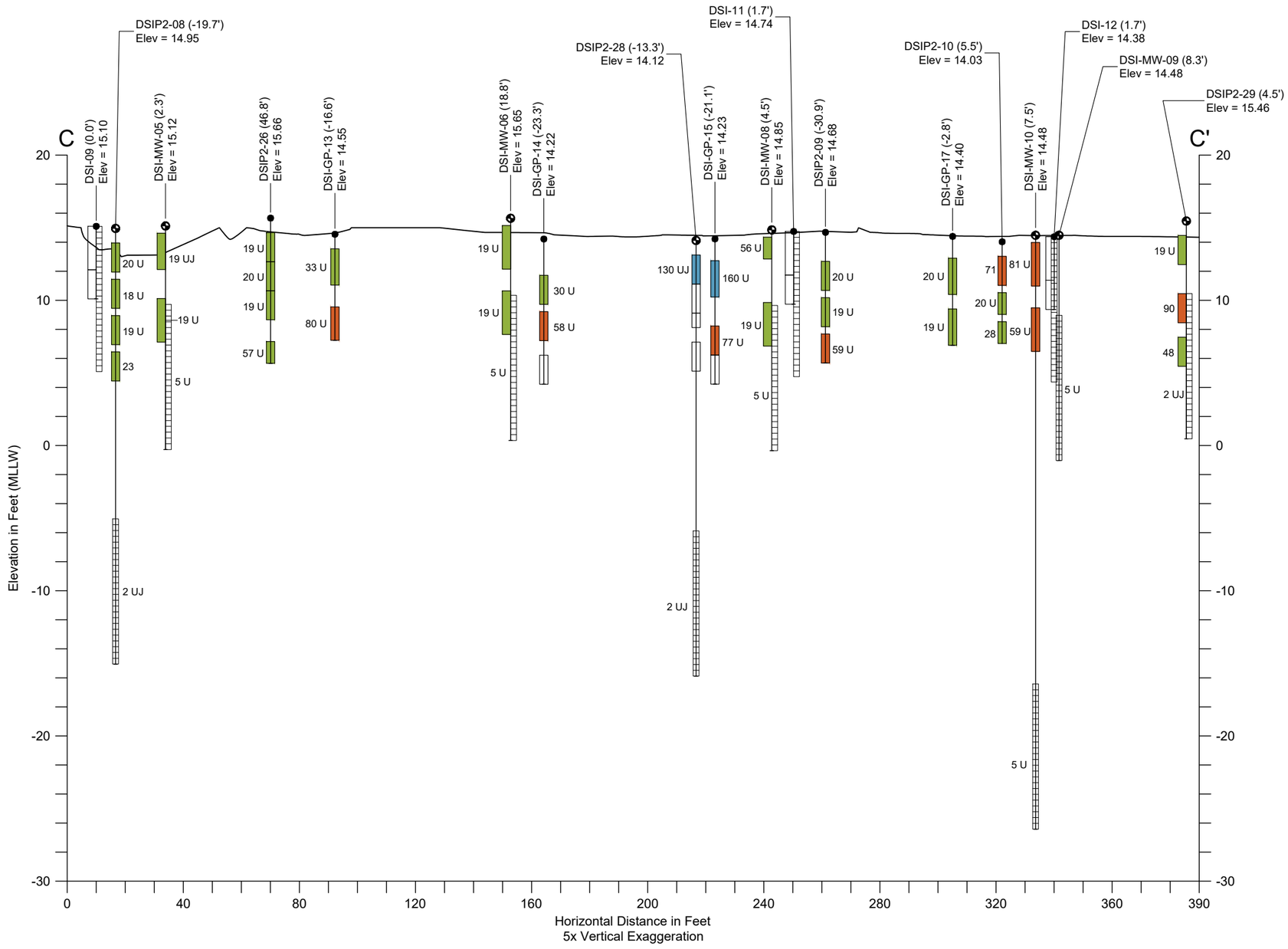
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Benzyl Alcohol (μg/kg)

- <57 (Screening Level)
- 57-114 (2x)
- 114-285 (5x)
- 285-570 (10x)
- >570

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Well Screen Interval
- Bottom of Exploration

0 40
Scale in Feet

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.
4. No site groundwater screening level exists for Benzyl Alcohol.

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Figure G-7c
Cross Section C-C' – Benzyl Alcohol
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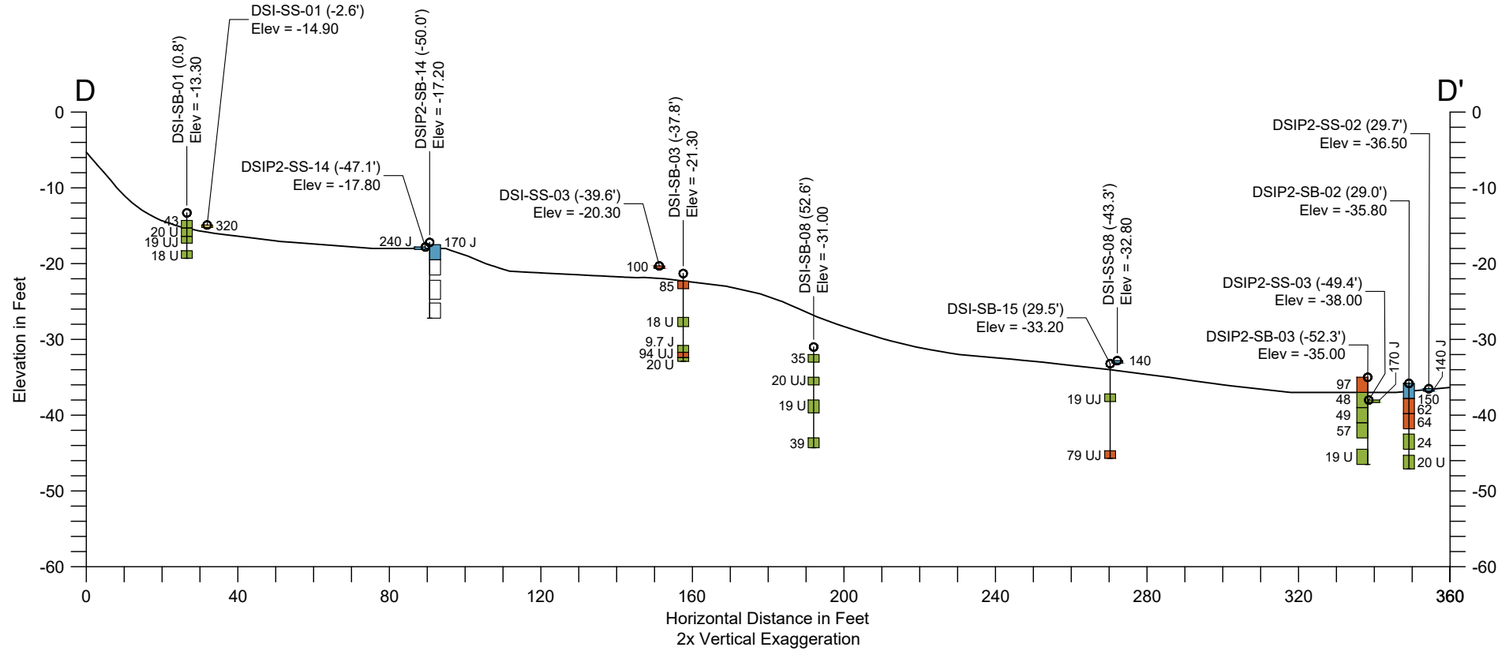
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Benzyl Alcohol (μg/kg)

- <57 (Screening Level)
- 57-114 (2x)
- 114-285 (5x)
- 285-570 (10x)
- >570

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.
4. No site groundwater screening level exists for Benzyl Alcohol.

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Figure G-7d
Cross Section D-D' – Benzyl Alcohol
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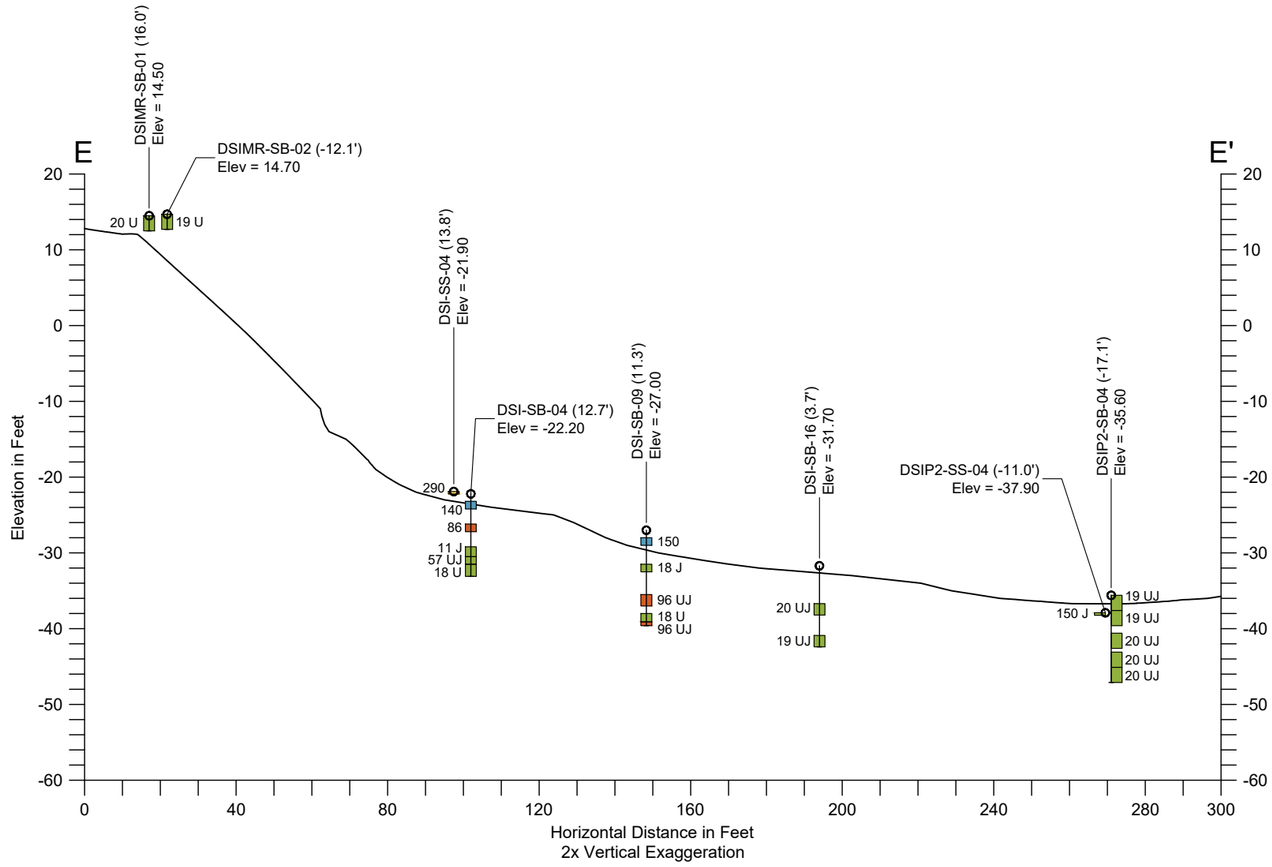
Duwamish Shipyard, Inc.



0 40
Scale in Feet

LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Benzyl Alcohol (μg/kg)

- <57 (Screening Level)
- 57-114 (2x)
- 114-285 (5x)
- 285-570 (10x)
- >570

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.
4. No site groundwater screening level exists for Benzyl Alcohol.

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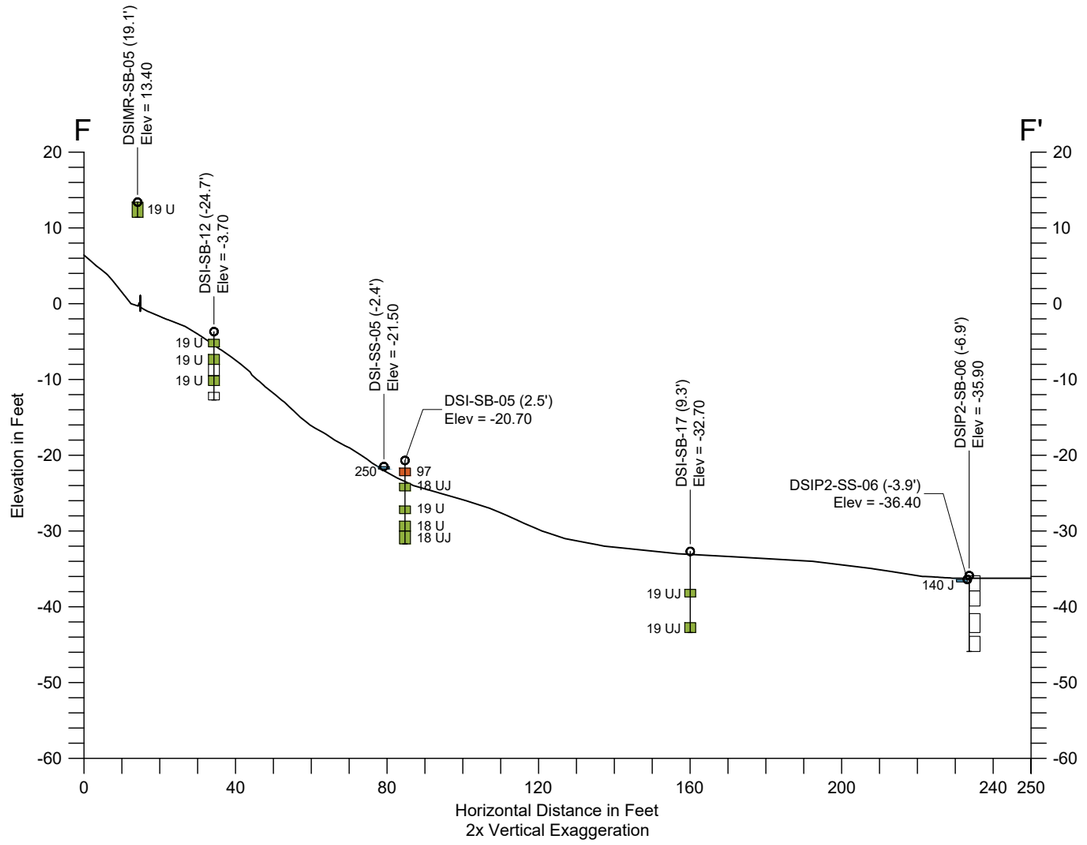
Figure G-7e
Cross Section E-E' – Benzyl Alcohol
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Benzyl Alcohol (μg/kg)

- <57 (Screening Level)
- 57-114 (2x)
- 114-285 (5x)
- 285-570 (10x)
- >570

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.
4. No site groundwater screening level exists for Benzyl Alcohol.

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Figure G-7f
Cross Section F-F' – Benzyl Alcohol
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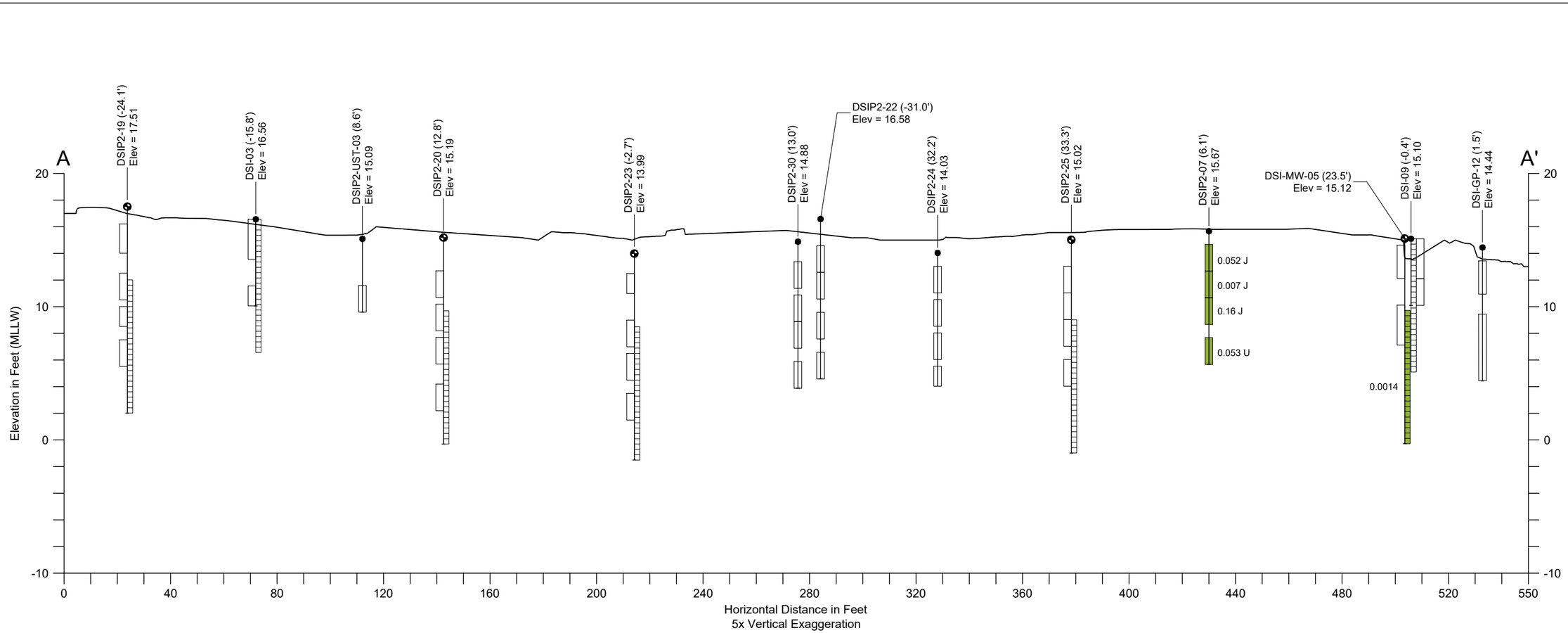
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level Total Dioxins/Furans TEQ (ng/kg)	Groundwater Screening Level Total Dioxins/Furans TEQ (ng/L)
<5.2 (Screening Level)	<0.01 (Screening Level)
5.2-10.4 (2x)	0.01-0.02 (2x)
10.4-26 (5x)	0.02-0.05 (5x)
26-52 (10x)	0.05-0.1 (10x)
>52	>0.1

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-8a
Cross Section A-A' – Total Dioxins/Furans TEQ
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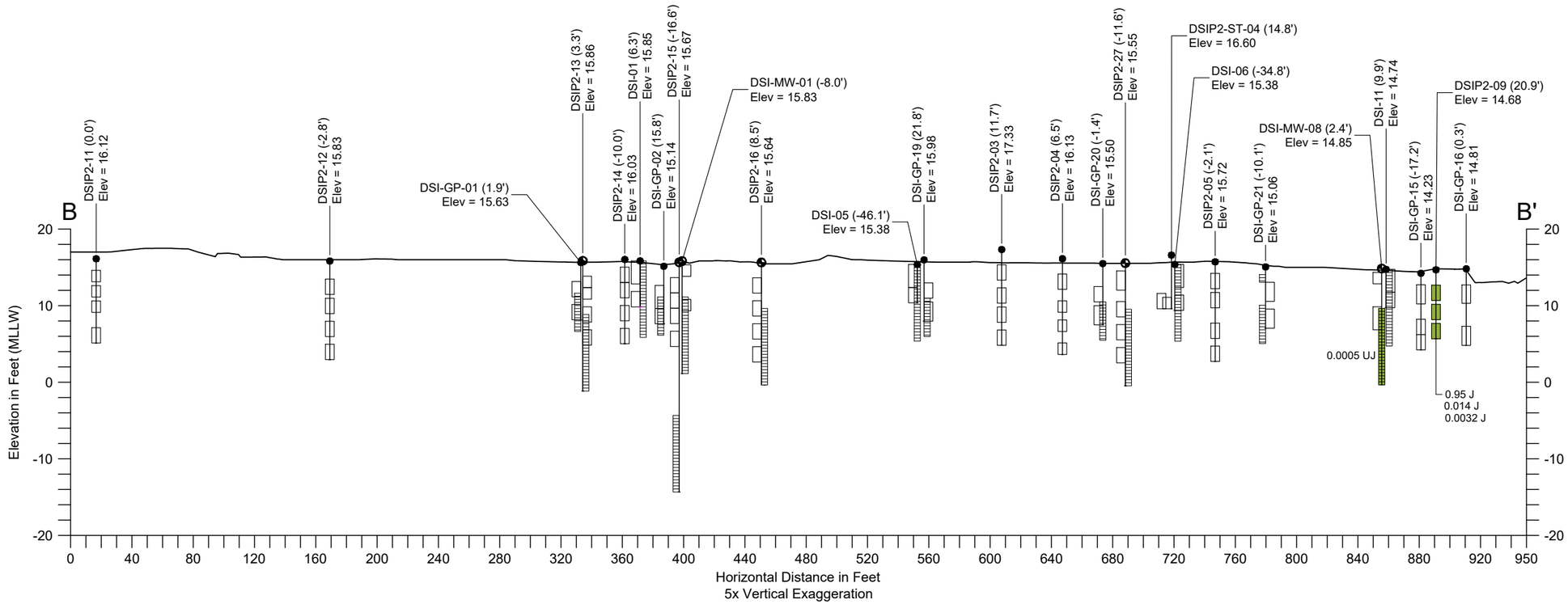
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Total Dioxins/Furans TEQ (ng/kg)

- <5.2 (Screening Level)
- 5.2-10.4 (2x)
- 10.4-26 (5x)
- 26-52 (10x)
- >52

Groundwater Screening Level
Total Dioxins/Furans TEQ (ng/L)

- <0.01 (Screening Level)
- 0.01-0.02 (2x)
- 0.02-0.05 (5x)
- 0.05-0.1 (10x)
- >0.1

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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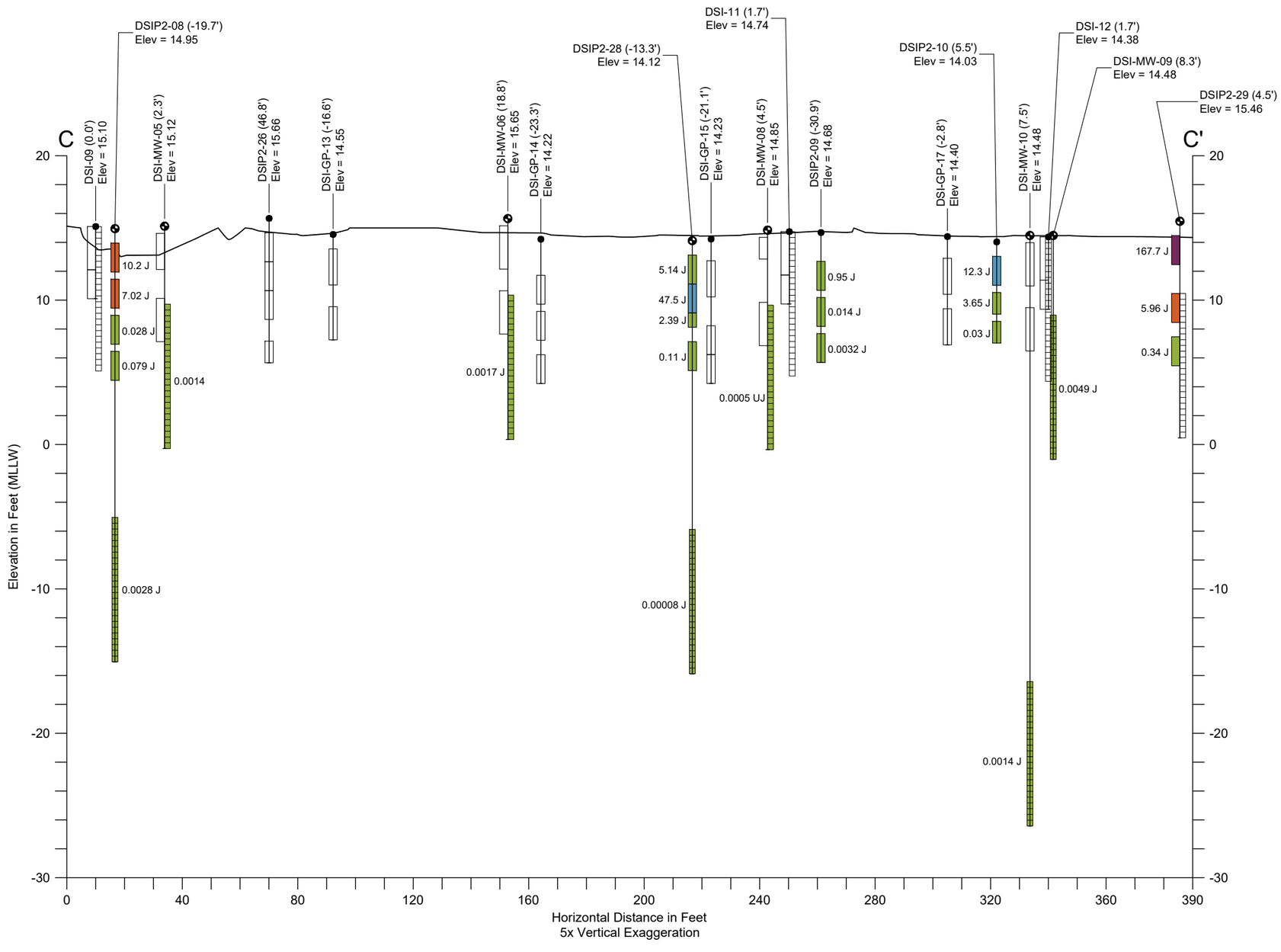
Figure G-8b
Cross Section B-B' – Total Dioxins/Furans TEQ
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Total Dioxins/Furans TEQ (ng/kg)

- <5.2 (Screening Level)
- 5.2-10.4 (2x)
- 10.4-26 (5x)
- 26-52 (10x)
- >52

Groundwater Screening Level
Total Dioxins/Furans TEQ (ng/L)

- <0.01 (Screening Level)
- 0.01-0.02 (2x)
- 0.02-0.05 (5x)
- 0.05-0.1 (10x)
- >0.1

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Well Screen Interval
- Bottom of Exploration

0 40
Scale in Feet

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-8c
Cross Section C-C' – Total Dioxins/Furans TEQ
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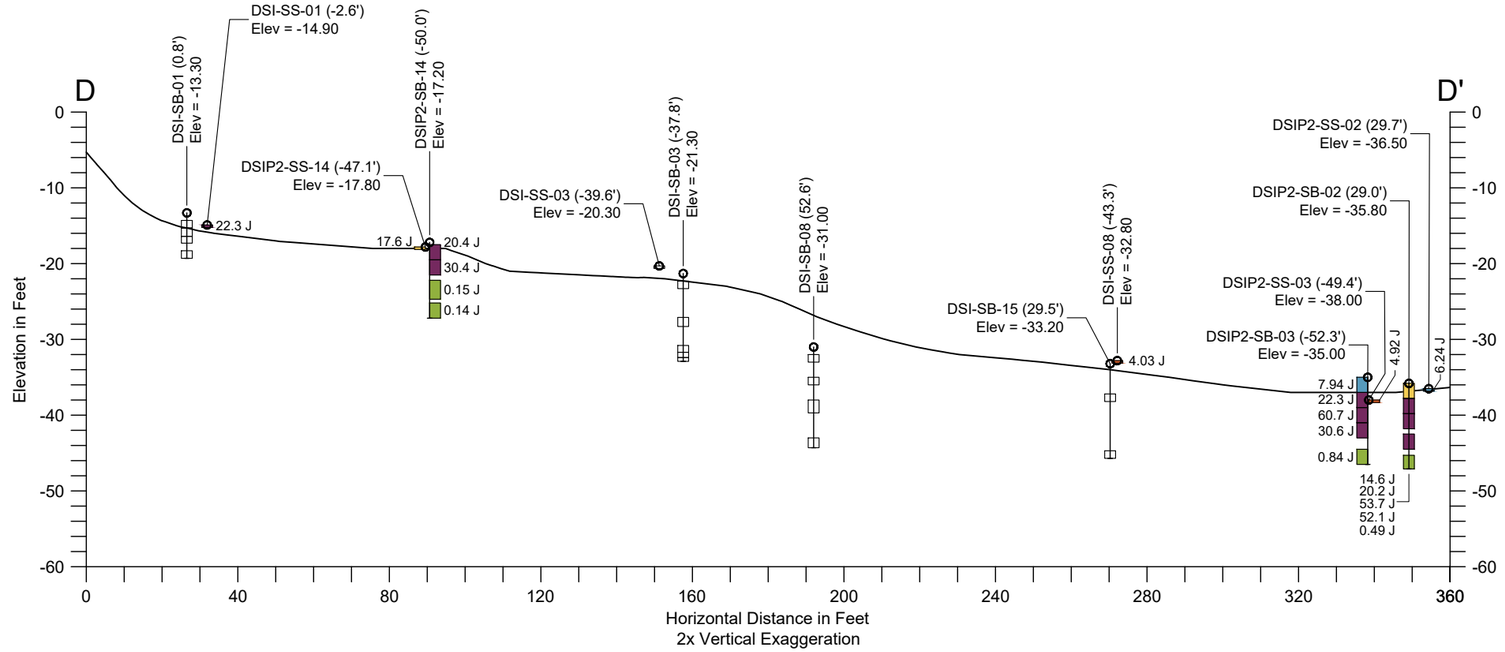
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Total Dioxins/Furans TEQ (ng/kg)

- <2 (Screening Level)
- 2-4 (2x)
- 4-10 (5x)
- 10-20 (10x)
- >20

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-8d
Cross Section D-D' – Total Dioxins/Furans TEQ
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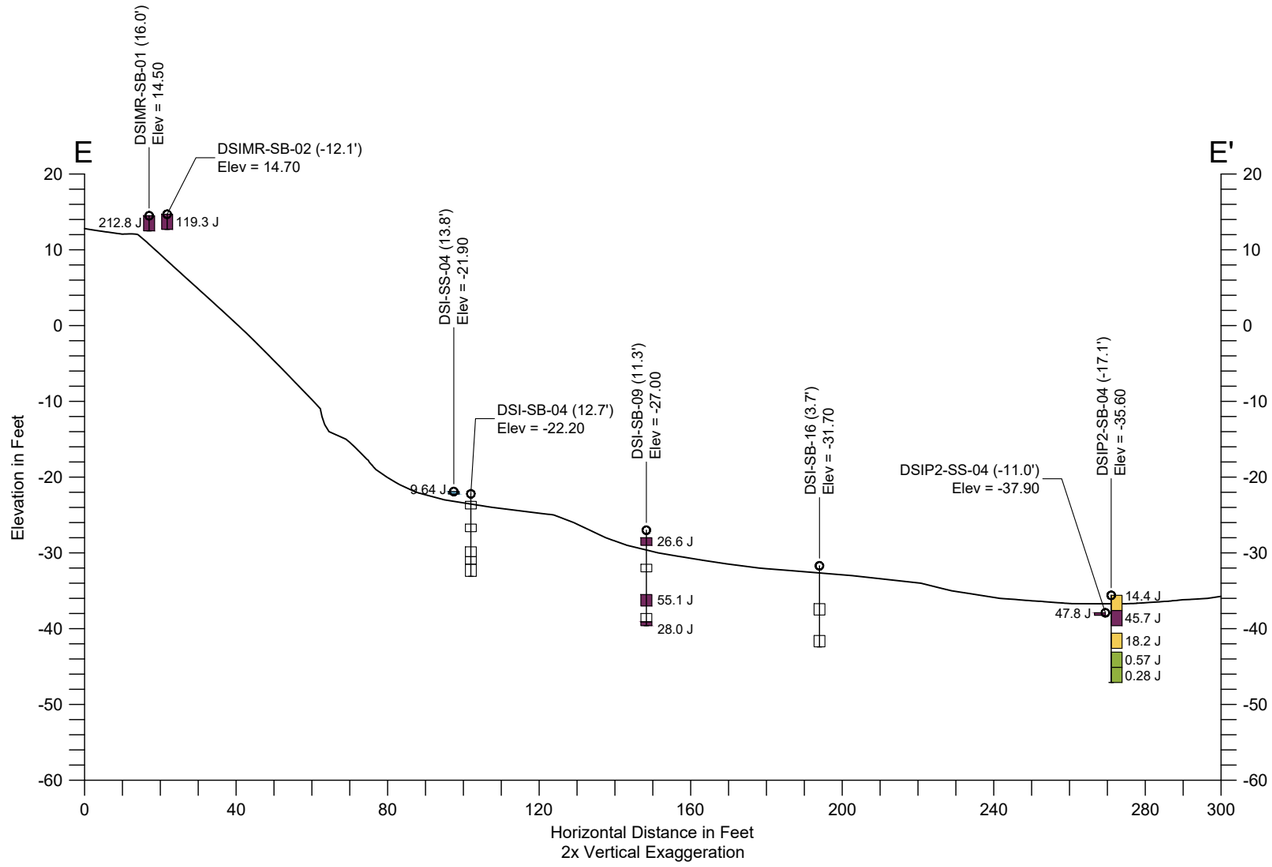
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Total Dioxins/Furans TEQ (ng/kg)

- <2 (Screening Level)
- 2-4 (2x)
- 4-10 (5x)
- 10-20 (10x)
- >20

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-8e
Cross Section E-E' – Total Dioxins/Furans TEQ
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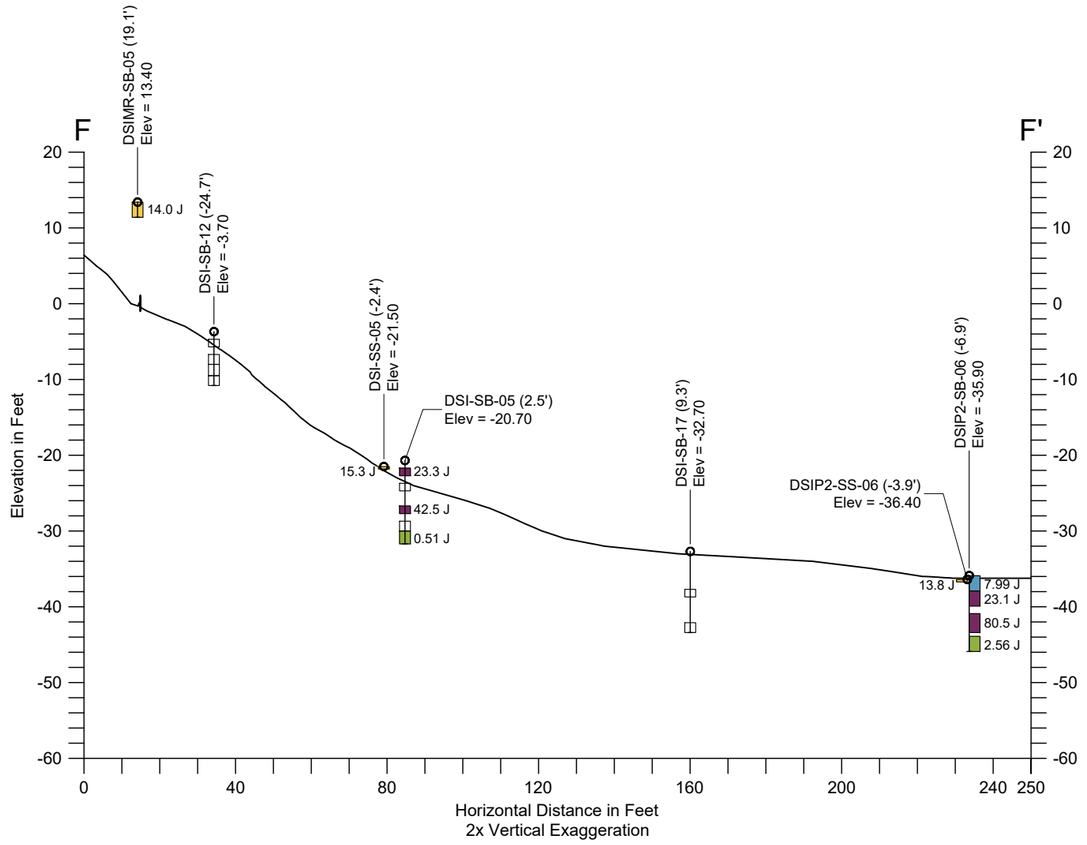
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Total Dioxins/Furans TEQ (ng/kg)

- <2 (Screening Level)
- 2-4 (2x)
- 4-10 (5x)
- 10-20 (10x)
- >20

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-8f
Cross Section F-F' – Total Dioxins/Furans TEQ
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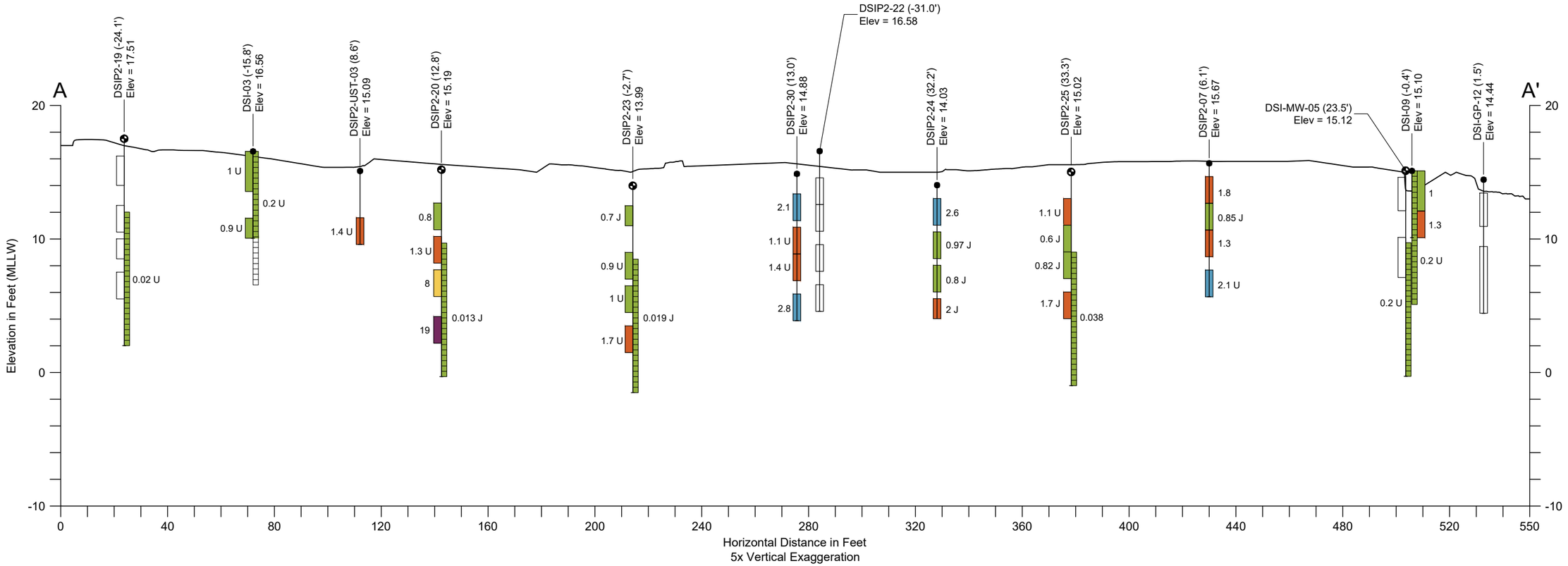
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level Benzene (μg/kg)	Groundwater Screening Level Benzene (μg/L)
<1 (Screening Level)	<1.6 (Screening Level)
1-2 (2x)	1.6-3.2 (2x)
2-5 (5x)	3.2-8 (5x)
5-10 (10x)	8-16 (10x)
>10	>16

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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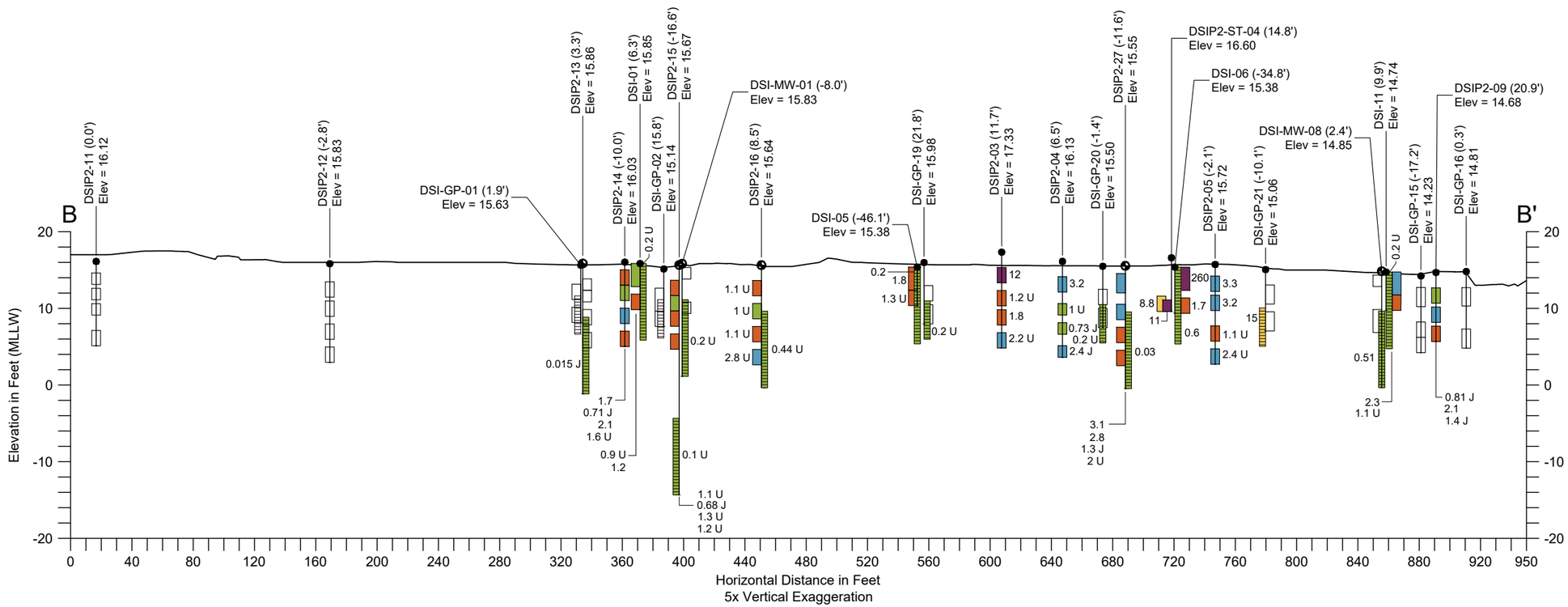
Figure G-9a
Cross Section A-A' – Benzene
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab (Line represents extent of available RI sample data)

Soil Screening Level Benzene (μg/kg)

- <1 (Screening Level)
- 1-2 (2x)
- 2-5 (5x)
- 5-10 (10x)
- >10

Groundwater Screening Level Benzene (μg/L)

- <1.6 (Screening Level)
- 1.6-3.2 (2x)
- 3.2-8 (5x)
- 8-16 (10x)
- >16

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-9b
Cross Section B-B' – Benzene
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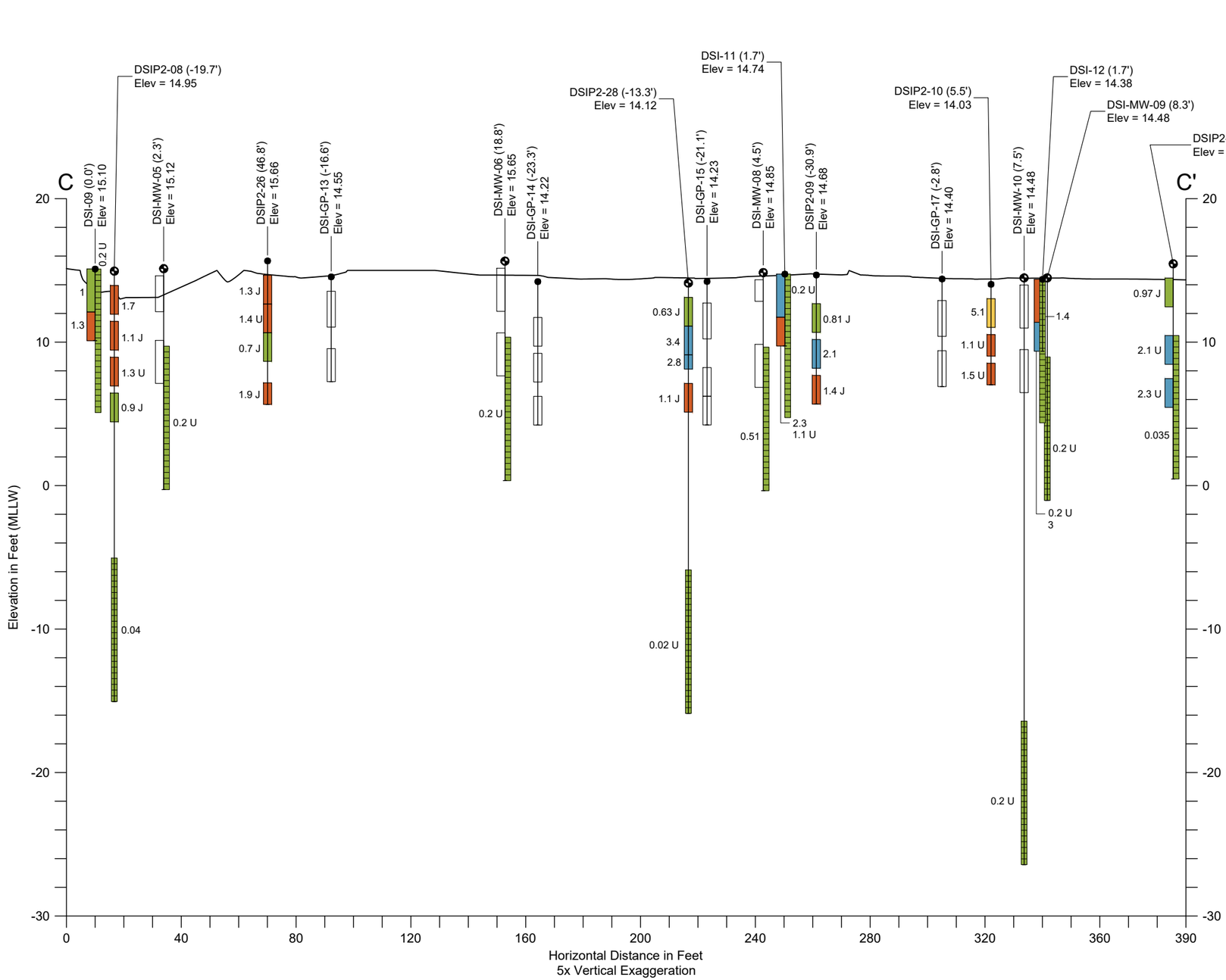
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Benzene (μg/kg)

- <1 (Screening Level)
- 1-2 (2x)
- 2-5 (5x)
- 5-10 (10x)
- >10

Groundwater Screening Level
Benzene (μg/L)

- <1.6 (Screening Level)
- 1.6-3.2 (2x)
- 3.2-8 (5x)
- 8-16 (10x)
- >16

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Well Screen Interval
- Bottom of Exploration

0 40
Scale in Feet

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-9c
Cross Section C-C' – Benzene
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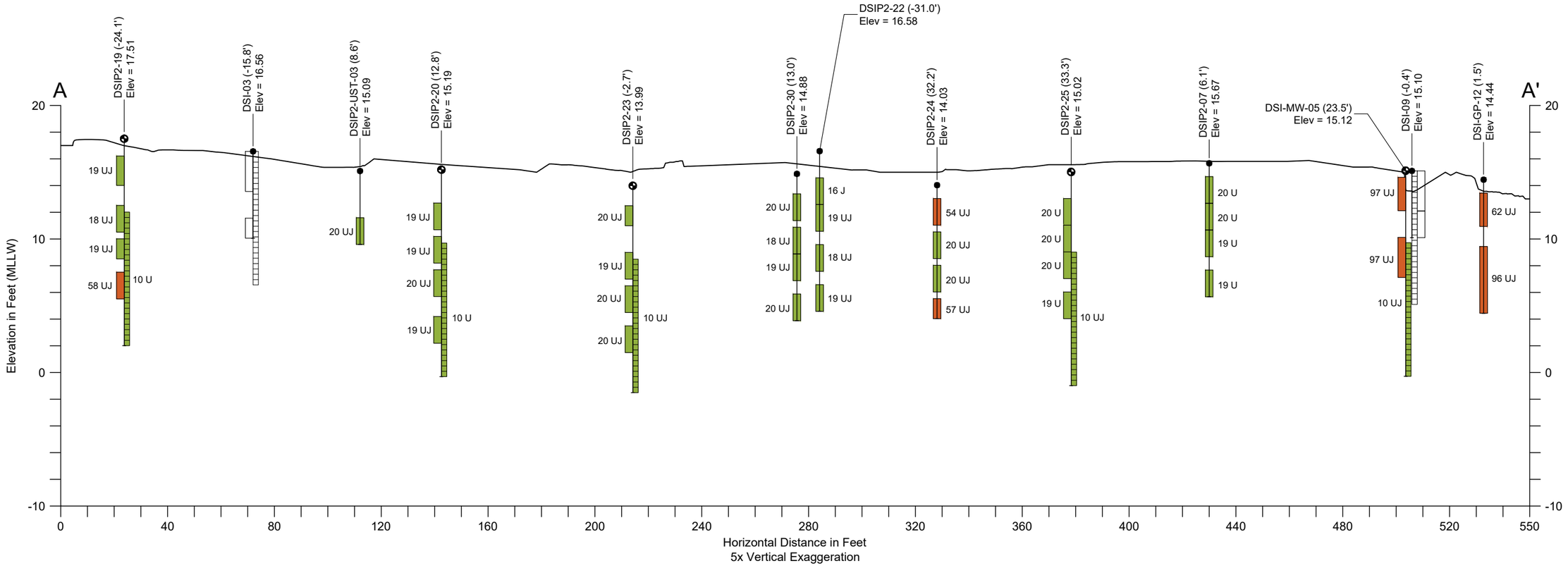
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level Pentachlorophenol (μg/kg)	Groundwater Screening Level Pentachlorophenol (μg/L)
<50 (Screening Level)	<10 (Screening Level)
50-100 (2x)	10-20 (2x)
100-250 (5x)	20-50 (5x)
250-500 (10x)	50-100 (10x)
>500	>100

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

Location and Depth of Exploration
Sample Location
Well Screen Interval
Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-10a
Cross Section A-A' – Pentachlorophenol
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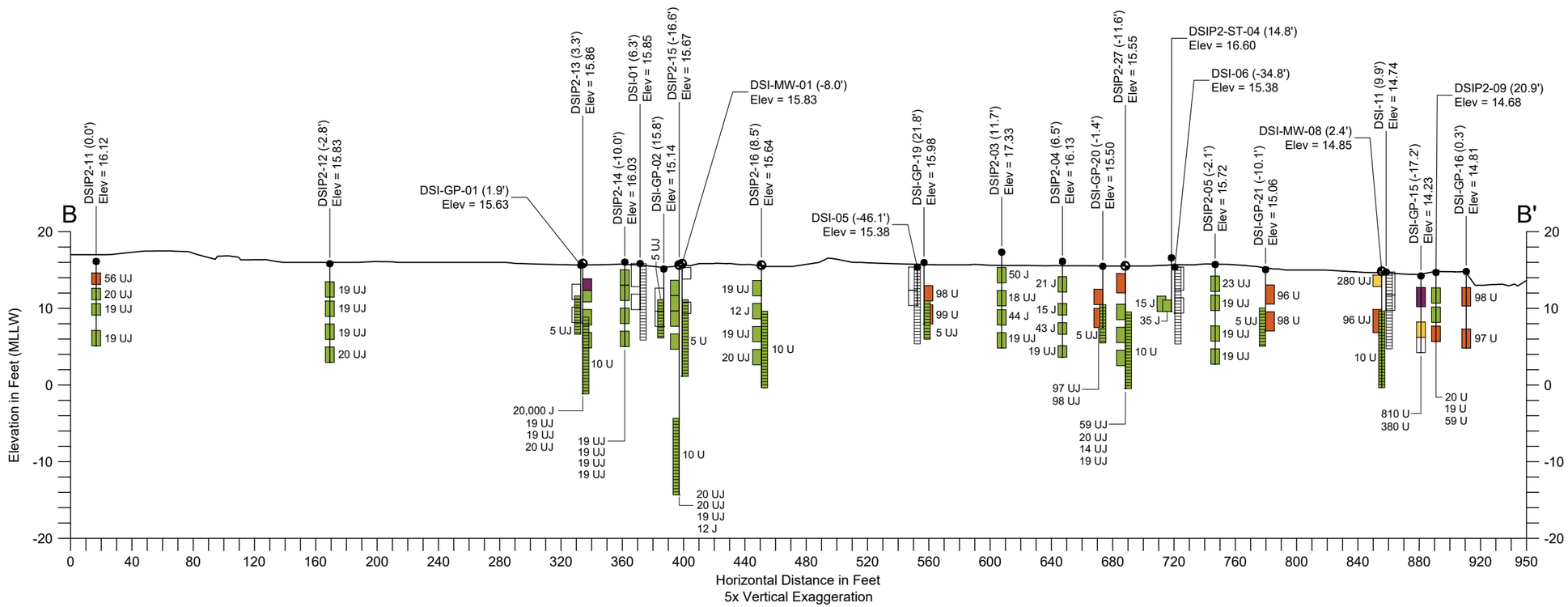
Duwamish Shipyard, Inc.



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LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level Pentachlorophenol (μg/kg)	Groundwater Screening Level Pentachlorophenol (μg/L)
<50 (Screening Level)	<10 (Screening Level)
50-100 (2x)	10-20 (2x)
100-250 (5x)	20-50 (5x)
250-500 (10x)	50-100 (10x)
>500	>100

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

Location and Depth of Exploration
Sample Location
Well Screen Interval
Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-10b
Cross Section B-B' – Pentachlorophenol
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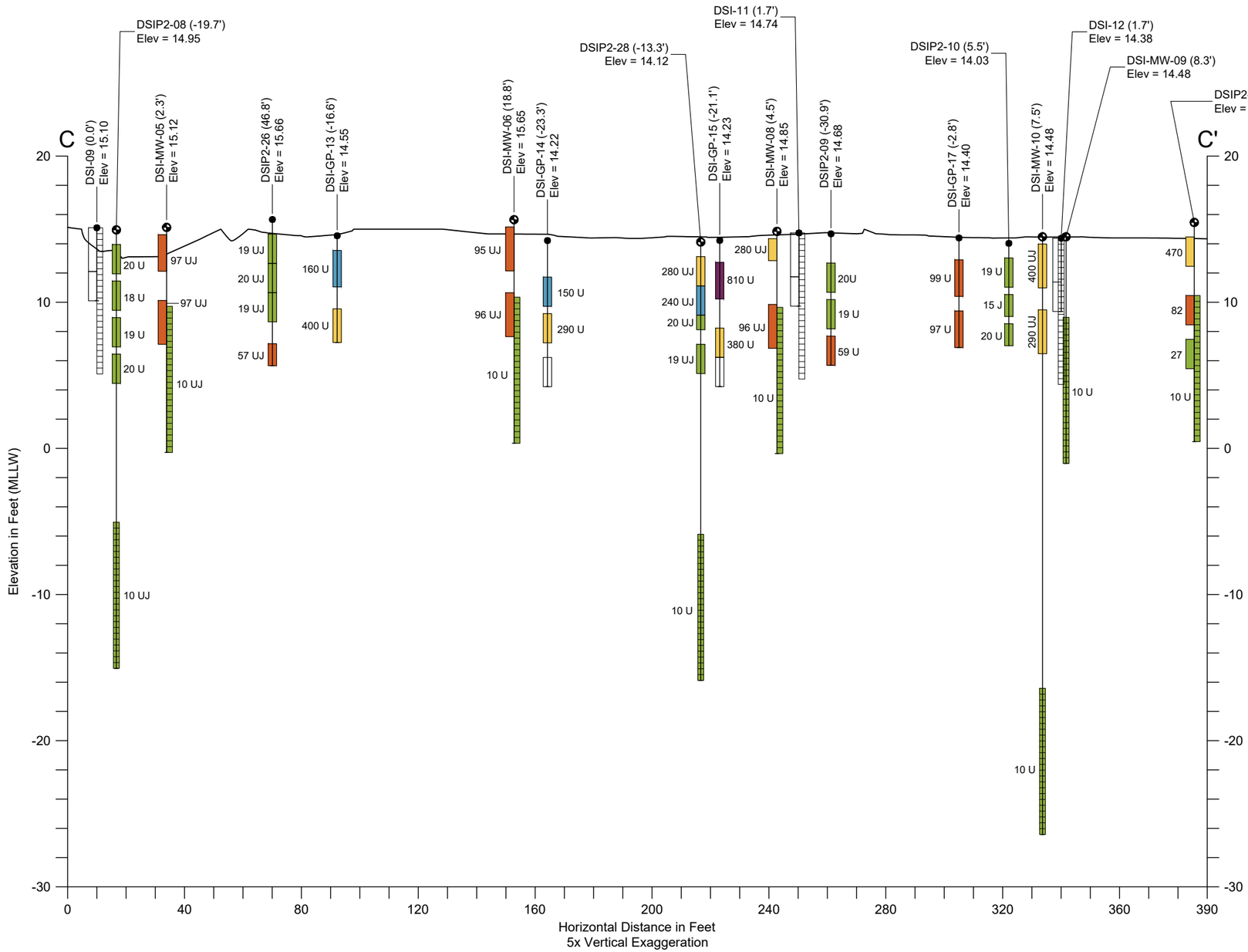
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Pentachlorophenol (μg/kg)

- <50 (Screening Level)
- 50-100 (2x)
- 100-250 (5x)
- 250-500 (10x)
- >500

Groundwater Screening Level
Pentachlorophenol (μg/L)

- <10 (Screening Level)
- 10-20 (2x)
- 20-50 (5x)
- 50-100 (10x)
- >100

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Well Screen Interval
- Bottom of Exploration

0 40
Scale in Feet

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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Figure G-10c
Cross Section C-C' – Pentachlorophenol
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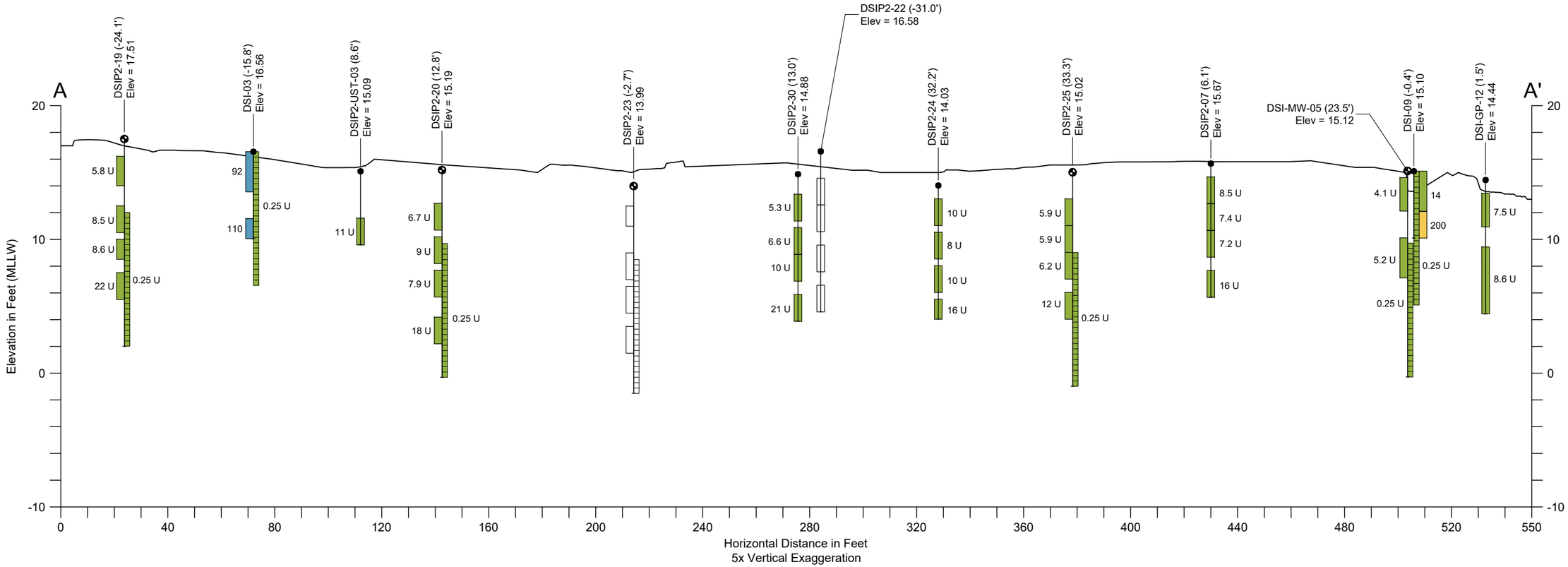
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level Gasoline Range Hydrocarbons (mg/kg)	Groundwater Screening Level Gasoline Range Hydrocarbons (mg/L)
<30 (Screening Level)	<0.8 (Screening Level)
30-60 (2x)	0.8-1.6 (2x)
60-150 (5x)	1.6-4 (5x)
150-300 (10x)	4-8 (10x)
>300	>8

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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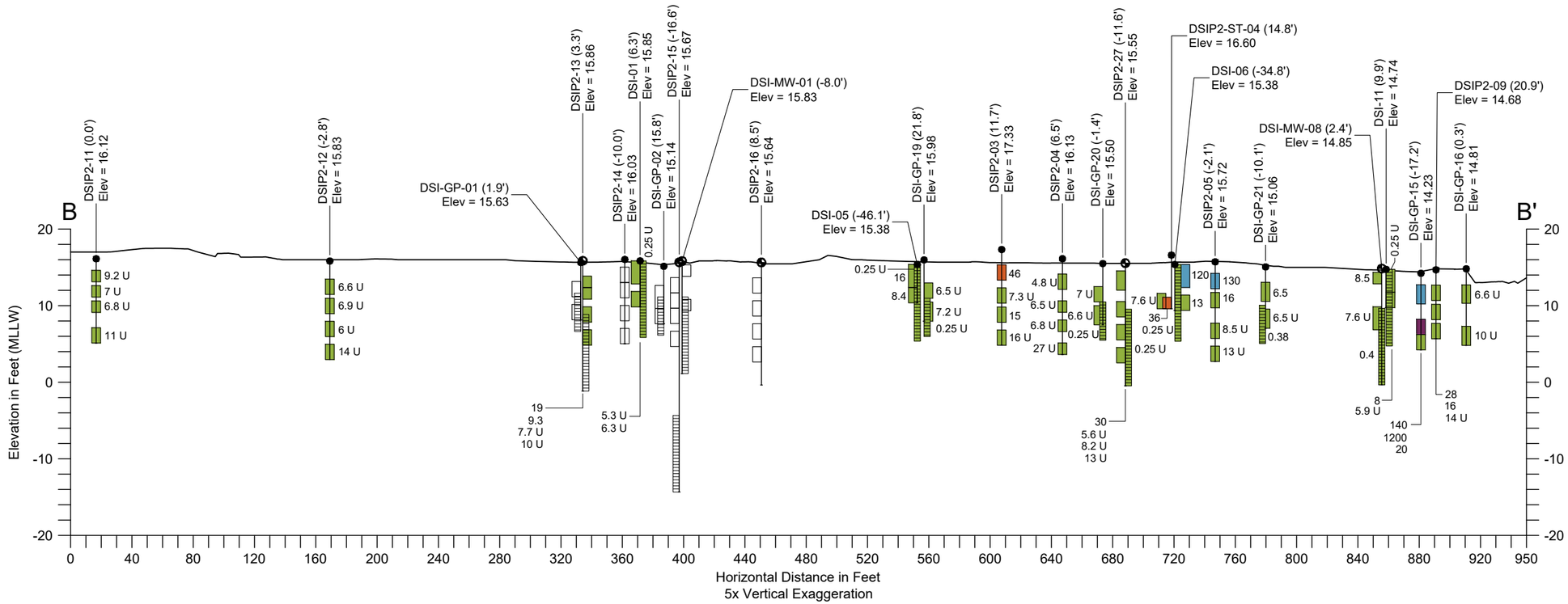
Figure G-11a
Cross Section A-A' – Gasoline Range Hydrocarbons
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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LEGEND:

- Soil Boring (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab (Line represents extent of available RI sample data)

Soil Screening Level Gasoline Range Hydrocarbons (mg/kg)	Groundwater Screening Level Gasoline Range Hydrocarbons (mg/L)
<30 (Screening Level)	<0.8 (Screening Level)
30-60 (2x)	0.8-1.6 (2x)
60-150 (5x)	1.6-4 (5x)
150-300 (10x)	4-8 (10x)
>300	>8

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

Location and Depth of Exploration
Sample Location
Well Screen Interval
Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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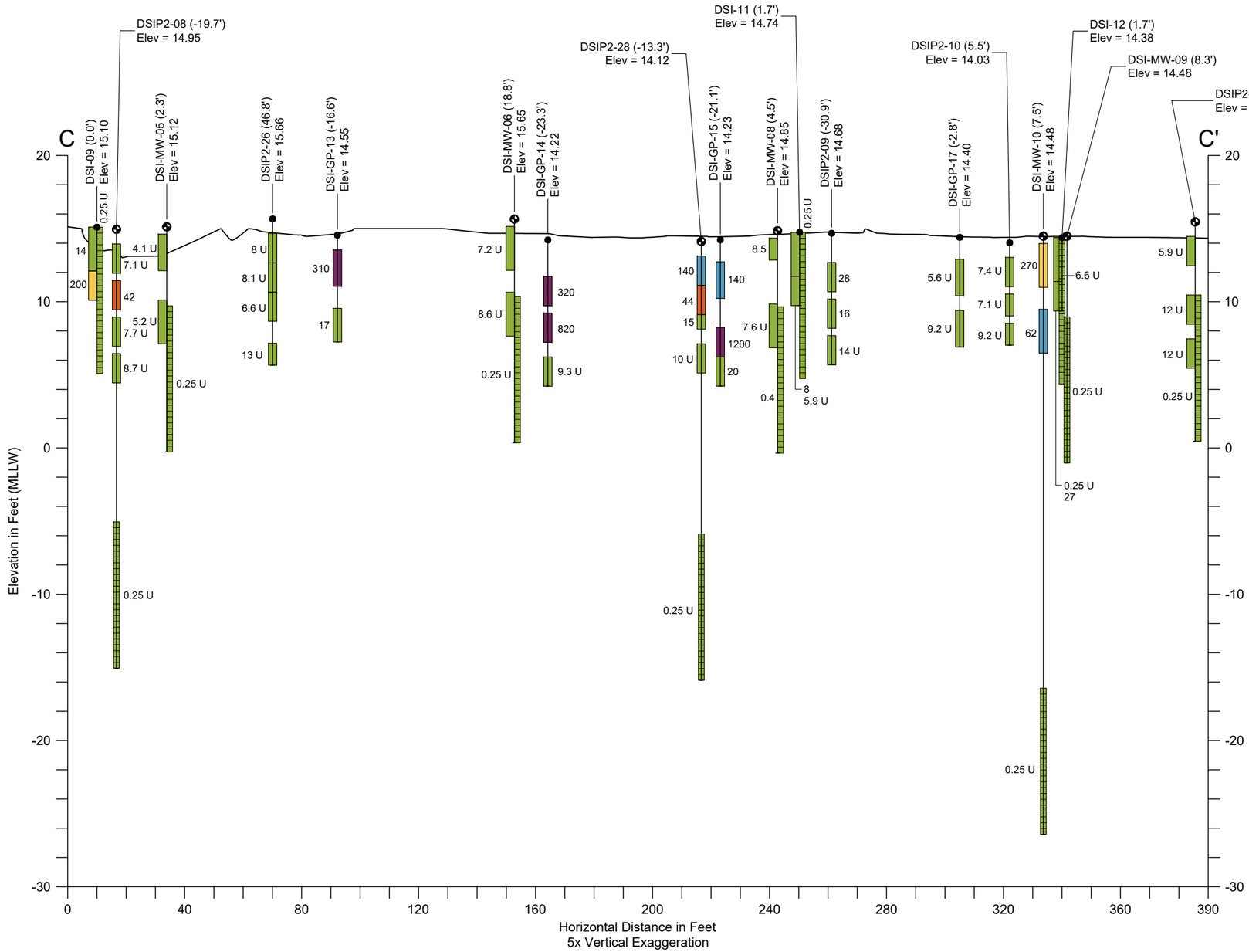
Figure G-11b
Cross Section B-B' – Gasoline Range Hydrocarbons
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Gasoline Range Hydrocarbons (mg/kg)

- <30 (Screening Level)
- 30-60 (2x)
- 60-150 (5x)
- 150-300 (10x)
- >300

Groundwater Screening Level
Gasoline Range Hydrocarbons (mg/L)

- <0.8 (Screening Level)
- 0.8-1.6 (2x)
- 1.6-4 (5x)
- 4-8 (10x)
- >8

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Well Screen Interval
- Bottom of Exploration

0 40
Scale in Feet

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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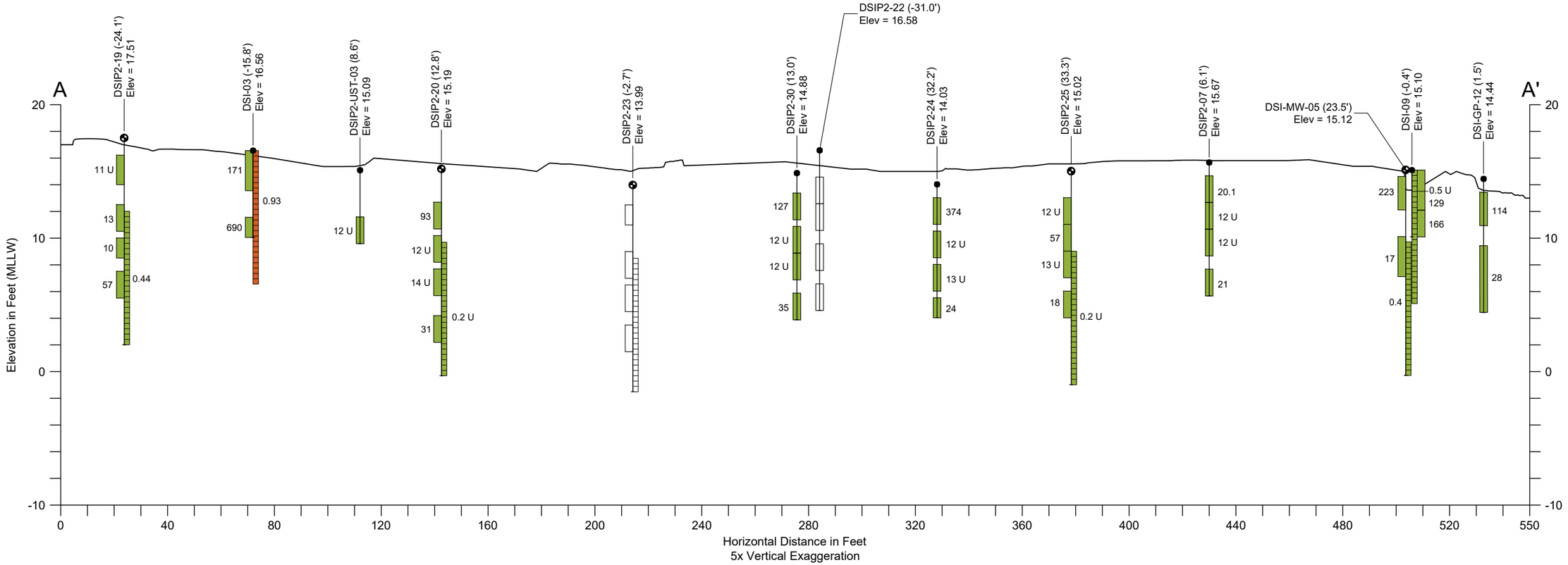
Figure G-11c
Cross Section C-C' – Gasoline Range Hydrocarbons
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Total Diesel and Motor Oil Range
Hydrocarbons (mg/kg)

- <2000 (Screening Level)
- 2000-4000 (2x)
- 4000-10000 (5x)
- 10000-20000 (10x)
- >20000

Groundwater Screening Level
Total Diesel and Motor Oil Range
Hydrocarbons (mg/L)

- <0.5 (Screening Level)
- 0.5-1 (2x)
- 1-2.5 (5x)
- 2.5-5 (10x)
- >5

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:

1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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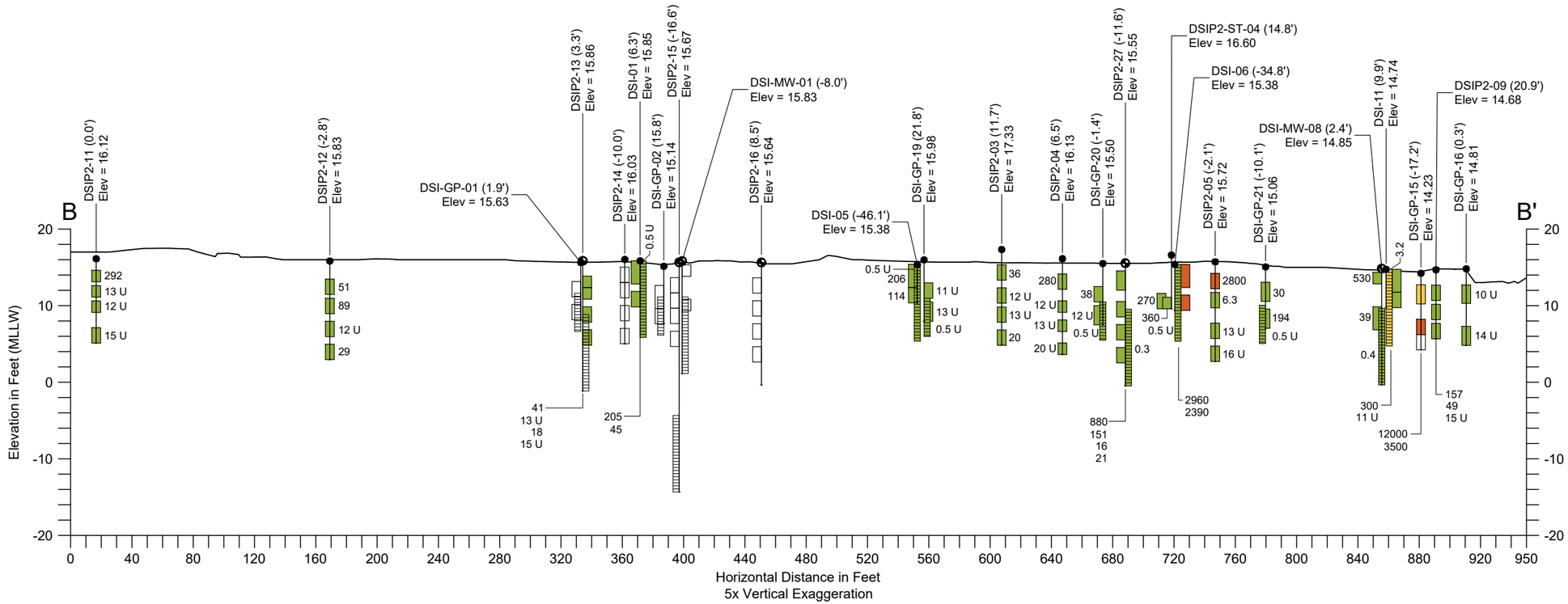
Figure G-12a
Cross Section A-A' – Total Diesel and Motor Oil Range Hydrocarbons
Public Review Draft RI Report
Duwamish Shipyard, Inc.



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LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Total Diesel and Motor Oil Range
Hydrocarbons (mg/kg)

- <2000 (Screening Level)
- 2000-4000 (2x)
- 4000-10000 (5x)
- 10000-20000 (10x)
- >20000

Groundwater Screening Level
Total Diesel and Motor Oil Range
Hydrocarbons (mg/L)

- <0.5 (Screening Level)
- 0.5-1 (2x)
- 1-2.5 (5x)
- 2.5-5 (10x)
- >5

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:

1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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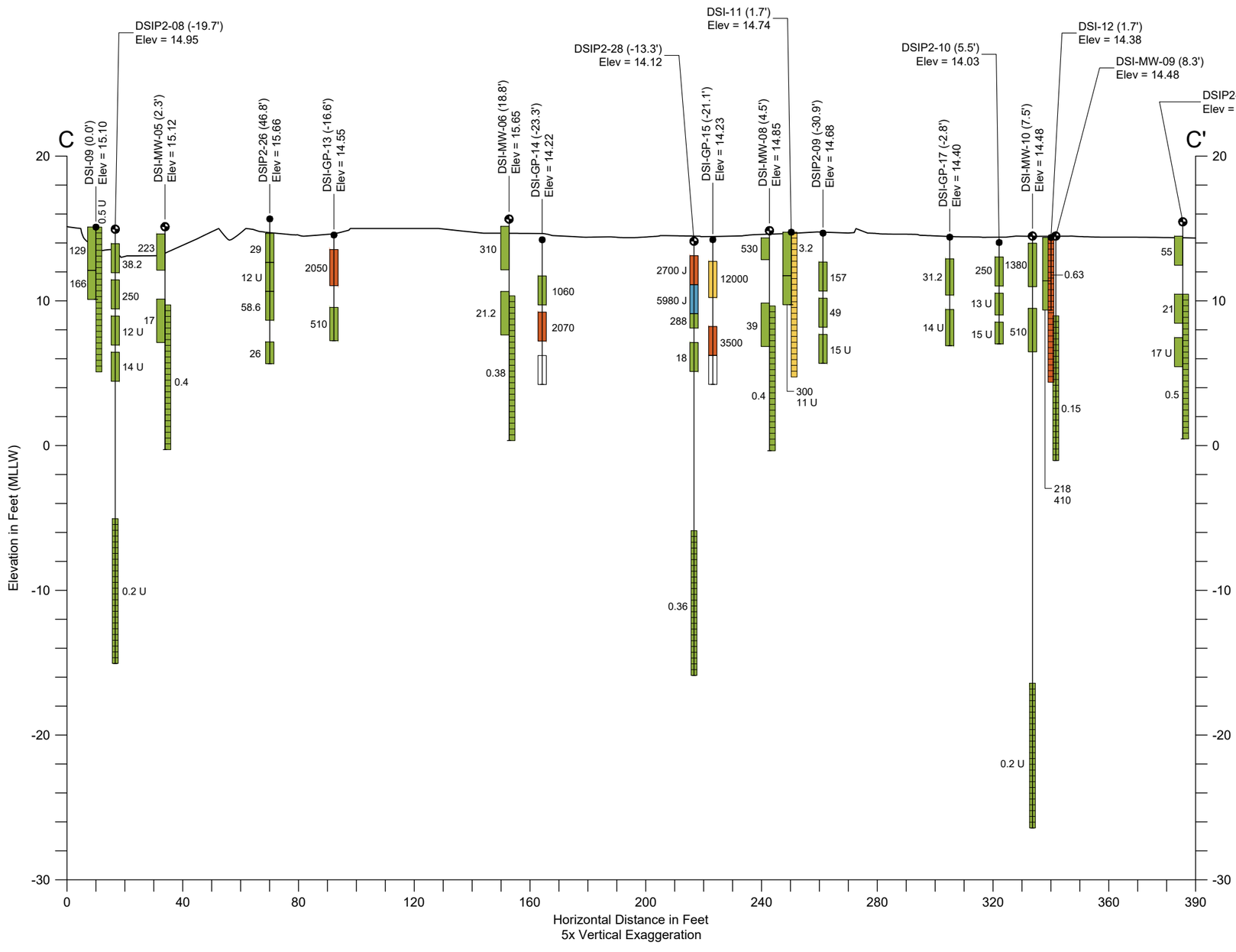
Figure G-12b
Cross Section B-B' – Total Diesel and Motor Oil Range Hydrocarbons
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Soil Screening Level
Total Diesel and Motor Oil Range Hydrocarbons (mg/kg)

- <2000 (Screening Level)
- 2000-4000 (2x)
- 4000-10000 (5x)
- 10000-20000 (10x)
- >20000

Groundwater Screening Level
Total Diesel and Motor Oil Range Hydrocarbons (mg/L)

- <0.5 (Screening Level)
- 0.5-1 (2x)
- 1-2.5 (5x)
- 2.5-5 (10x)
- >5

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Well Screen Interval
- Bottom of Exploration

0 40
Scale in Feet

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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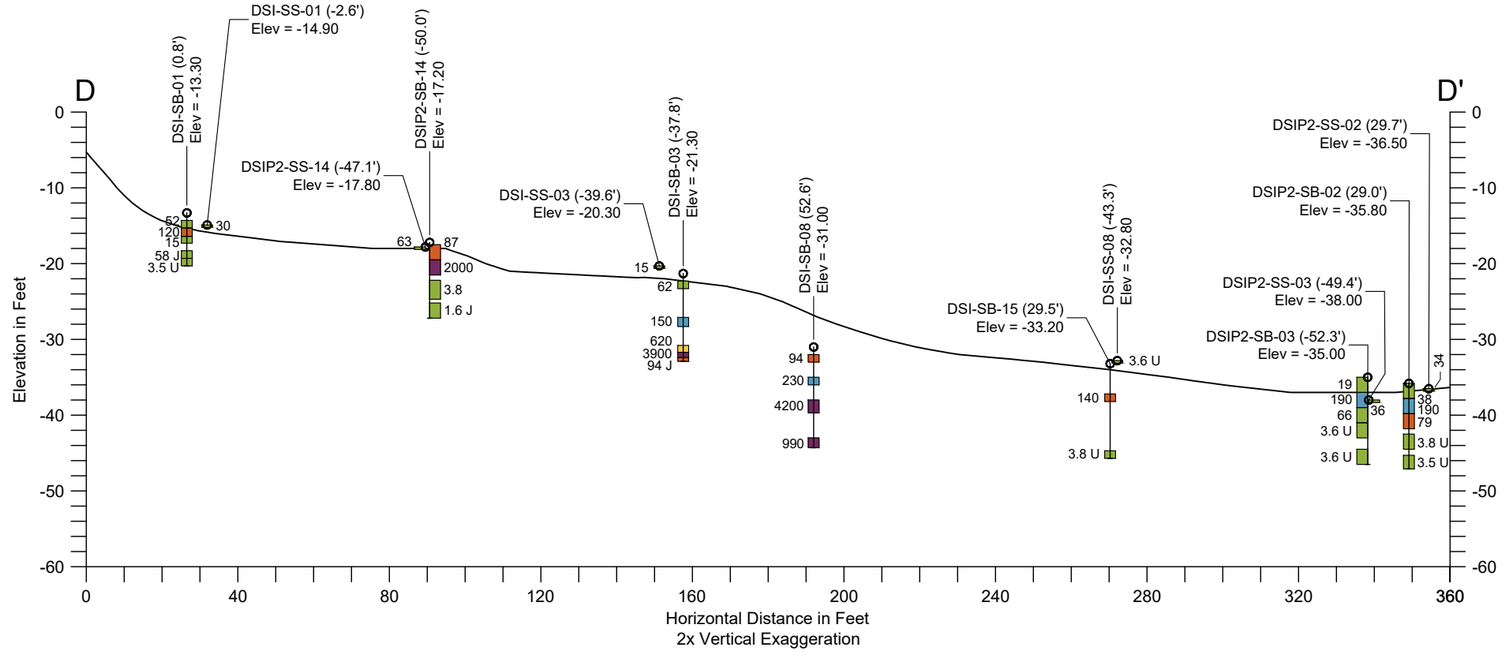
Figure G-12c
Cross Section C-C' – Total Diesel and Motor Oil Range Hydrocarbons
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab (Line represents extent of available RI sample data)

Sediment Screening Level
Tributyltin (μg/kg)

- <73 (Screening Level)
- 73-146 (2x)
- 146-365 (5x)
- 365-730 (10x)
- >730

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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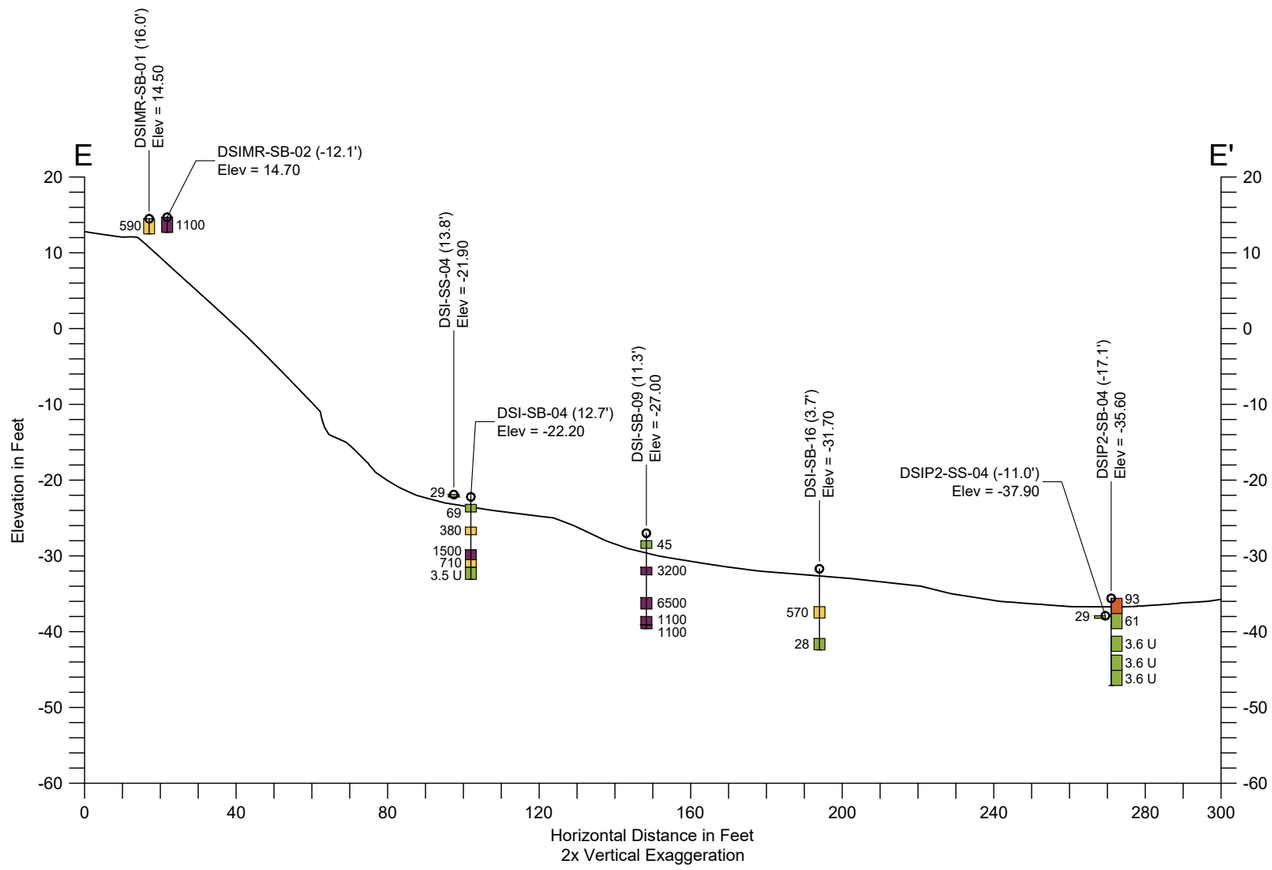
Figure G-13a
Cross Section D-D' – Tributyltin
Public Review Draft RI Report
Duwamish Shipyard, Inc.



0 40
Scale in Feet

LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Tributyltin (μg/kg)

- <73 (Screening Level)
- 73-146 (2x)
- 146-365 (5x)
- 365-730 (10x)
- >730

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

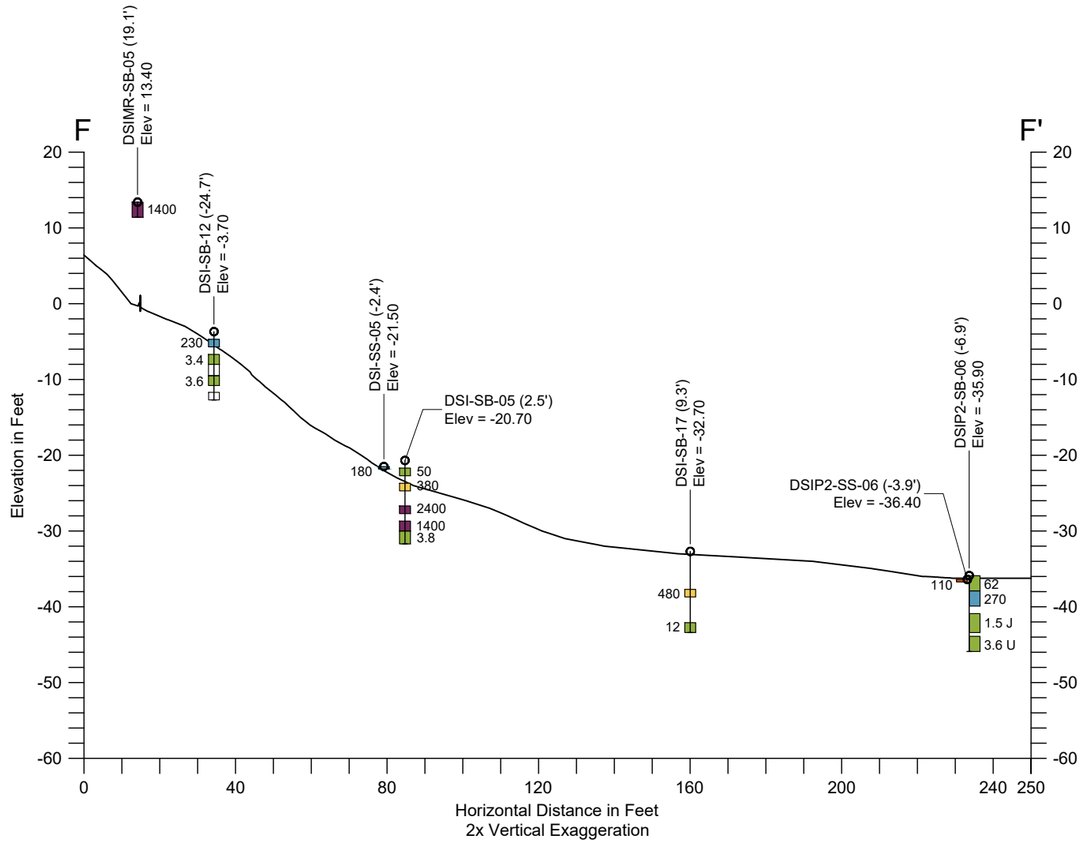
- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

ANCHOR QEA

Figure G-13b
Cross Section E-E' – Tributyltin
Public Review Draft RI Report
Duwamish Shipyard, Inc.



0 40
Scale in Feet

LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Tributyltin (μg/kg)

- <73 (Screening Level)
- 73-146 (2x)
- 146-365 (5x)
- 365-730 (10x)
- >730

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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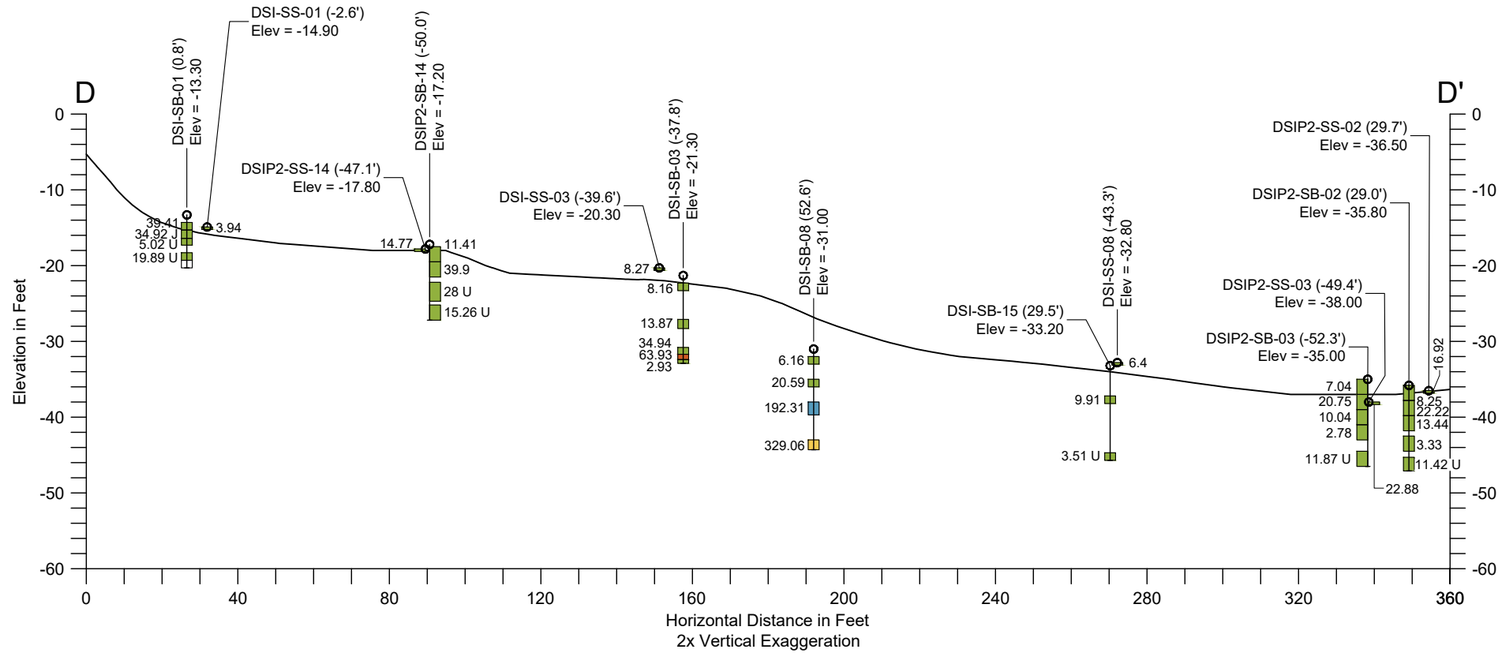
Figure G-13c
Cross Section F-F' – Tributyltin
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Bis(2-ethylhexyl)phthalate (mg/kg-OC)

- <47 (Screening Level)
- 47-99 (2x)
- 94-235 (5x)
- 235-470 (10x)
- >470

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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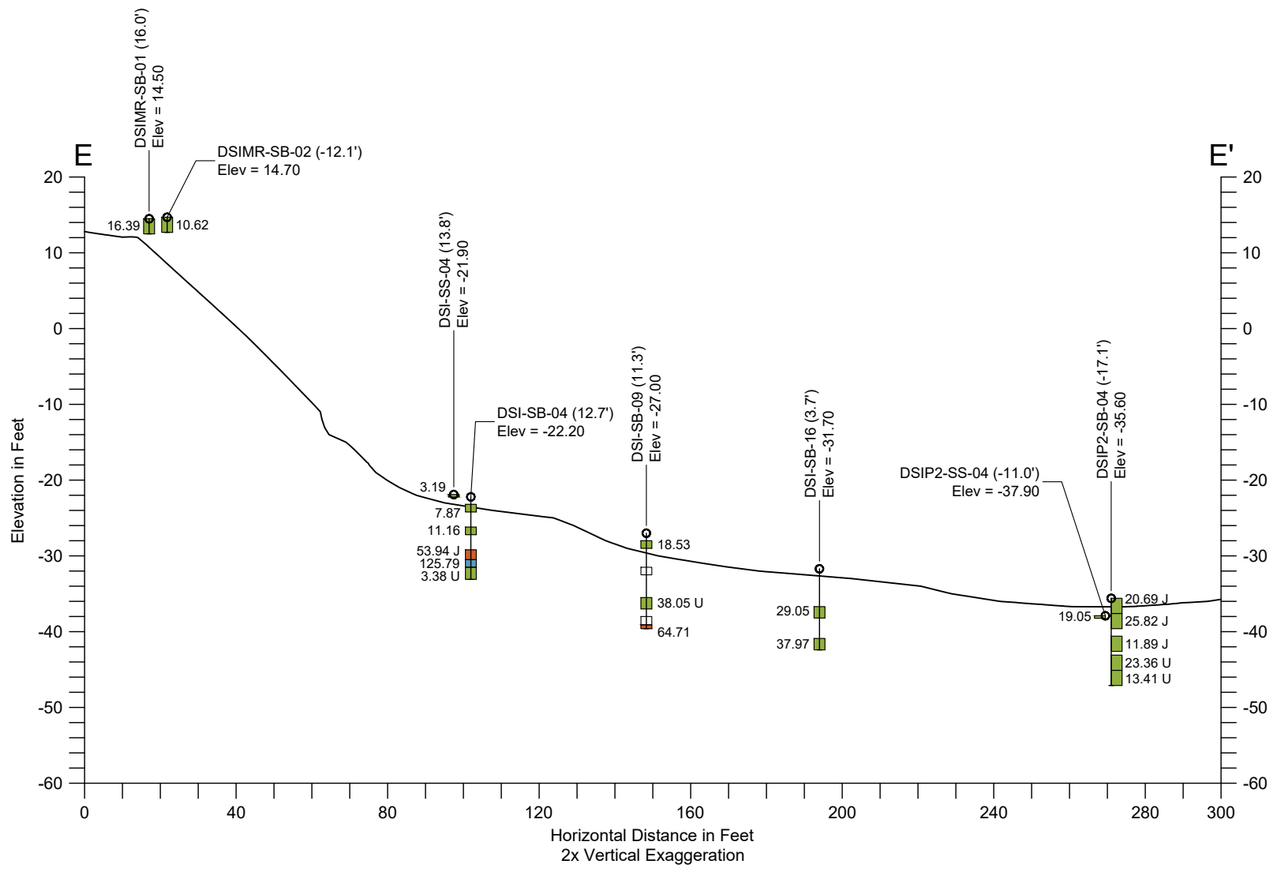
Figure G-14a
Cross Section D-D' – Bis(2-ethylhexyl)phthalate
Public Review Draft RI Report
Duwamish Shipyard, Inc.



0 40
Scale in Feet

LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Bis(2-ethylhexyl)phthalate (mg/kg-OC)

- <47 (Screening Level)
- 47-99 (2x)
- 94-235 (5x)
- 235-470 (10x)
- >470

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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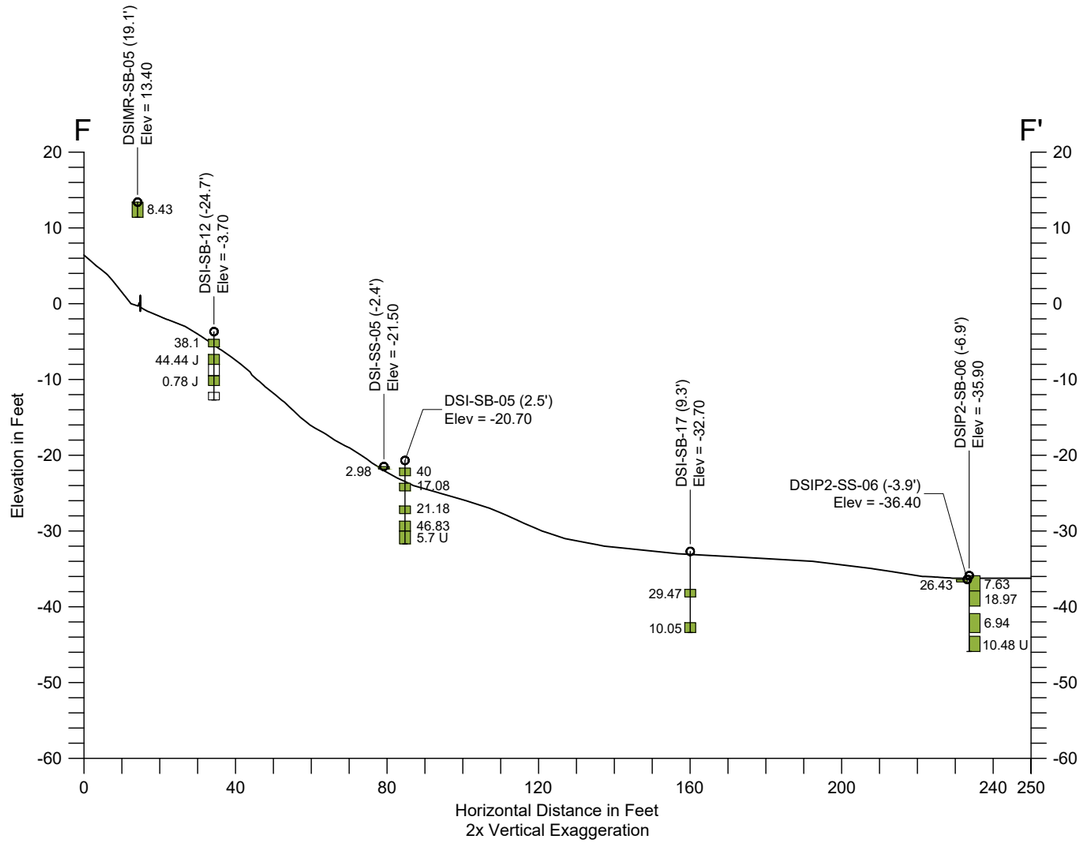
Figure G-14b
Cross Section E-E' – Bis(2-ethylhexyl)phthalate
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
Bis(2-ethylhexyl)phthalate (mg/kg-OC)

- <47 (Screening Level)
- 47-99 (2x)
- 94-235 (5x)
- 235-470 (10x)
- >470

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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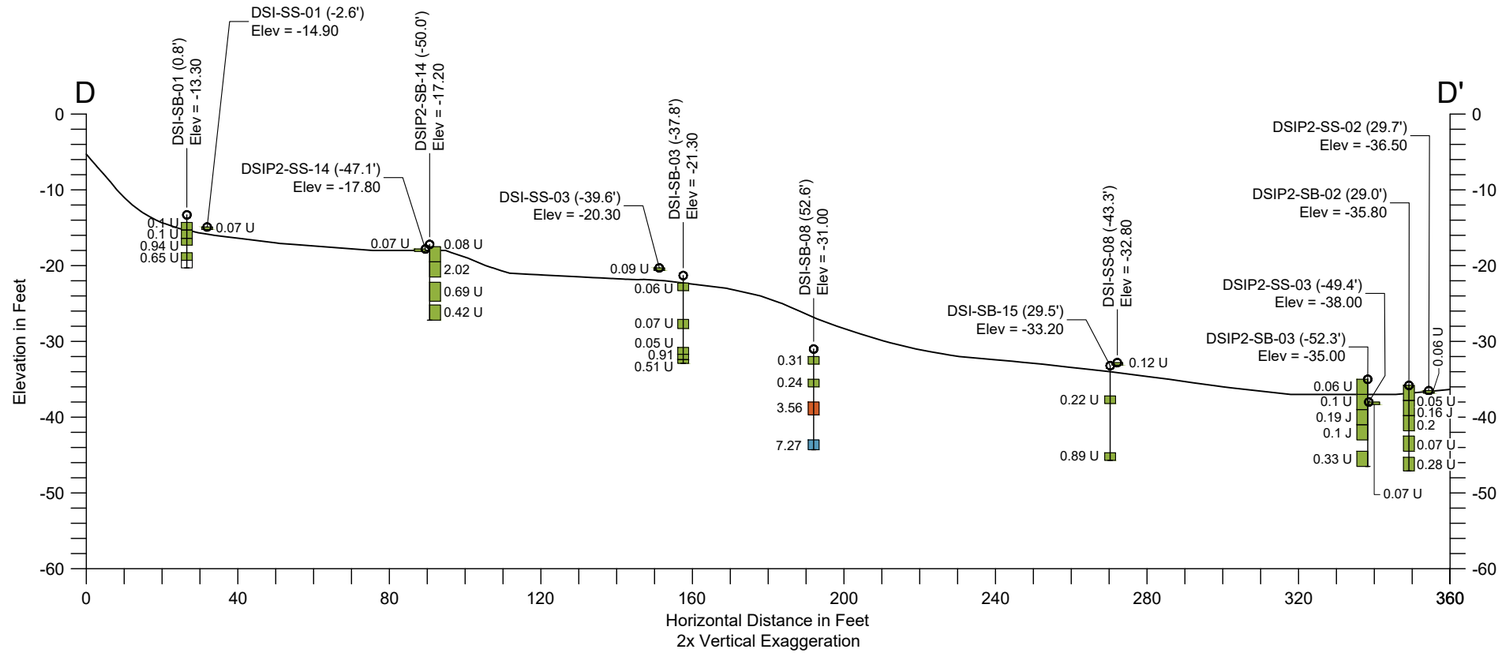
Figure G-14c
Cross Section F-F' – Bis(2-ethylhexyl)phthalate
Public Review Draft RI Report
Duwamish Shipyard, Inc.



0 40
Scale in Feet

LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
1,2-Dichlorobenzene (mg/kg-OC)

- <2.3 (Screening Level)
- 2.3-4.6 (2x)
- 4.6-11.5 (5x)
- 11.5-23 (10x)
- >23

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

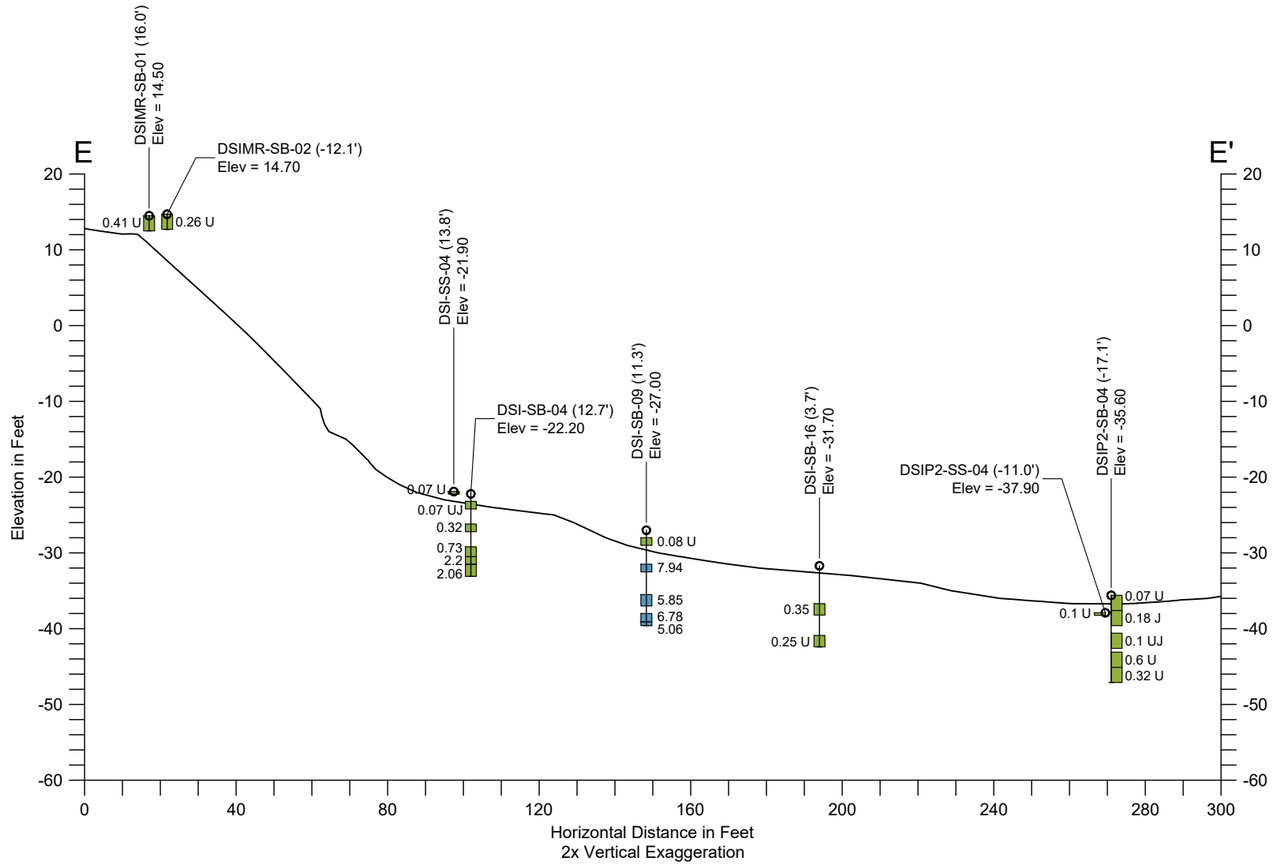
SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006.
Topographic survey by APS Survey and Mapping, LLC, 2014.
Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

K:\Projects\0111-Duwamish Shipyard\Final RI Report\1101-RI-000 (1-2-Dichlorobenzene).dwg D
Nov 09, 2017 6:03pm hmerrick

ANCHOR QEA

Figure G-15a
Cross Section D-D' – 1,2-Dichlorobenzene
Public Review Draft RI Report
Duwamish Shipyard, Inc.



LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
1,2-Dichlorobenzene (mg/kg-OC)

- <2.3 (Screening Level)
- 2.3-4.6 (2x)
- 4.6-11.5 (5x)
- 11.5-23 (10x)
- >23

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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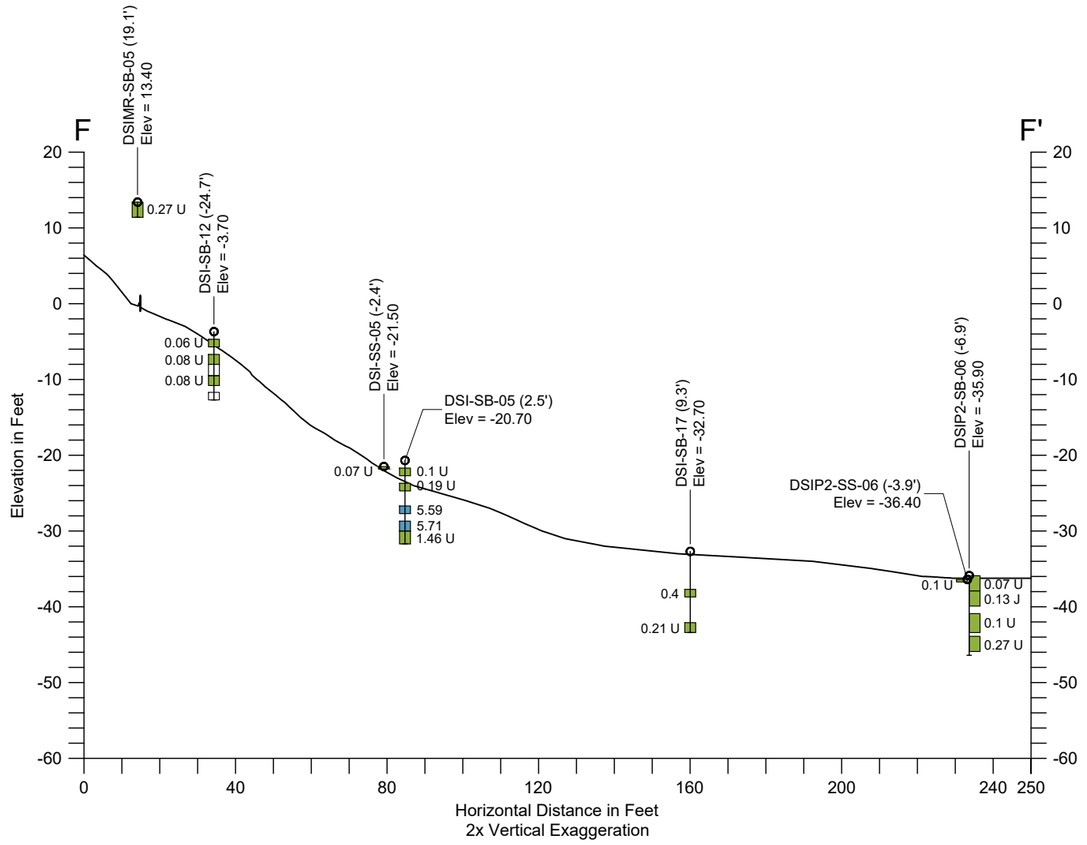
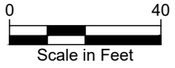
Figure G-15b
Cross Section E-E' – 1,2-Dichlorobenzene
Public Review Draft RI Report
Duwamish Shipyard, Inc.





LEGEND:

- Soil Boring
  (Line represents extent of available RI sample data)
- Groundwater Monitoring Well/Boring
- Sediment Core or Grab
  (Line represents extent of available RI sample data)

Sediment Screening Level
1,2-Dichlorobenzene (mg/kg-OC)

- <2.3 (Screening Level)
- 2.3-4.6 (2x)
- 4.6-11.5 (5x)
- 11.5-23 (10x)
- >23

DSIP2-20 — Exploration Identification
(12.8') — Offset Distance from Cross Section (in feet)
Elev = 15.19 — Elevation (in feet)

- Location and Depth of Exploration
- Sample Location
- Well Screen Interval
- Bottom of Exploration

SURVEY SOURCE: Bathymetric survey by Blue Water, 10/2006. Topographic survey by APS Survey and Mapping, LLC, 2014. Underdock survey by AML and DSI, 12/2006.
HORIZONTAL DATUM: Washington State Plane North, NAD83, Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW), Feet.

NOTES:
1. Cross section locations are shown on Figure G-1.
2. For upland sections (A-A' to C-C'), soil and groundwater screening levels are used (see Table 6-1 and 6-2); for in-water sections (D-D' to F-F'), sediment screening levels are used (see Table 6-3).
3. Soil, groundwater, and sediment samples with no chemistry data are shown without shading.

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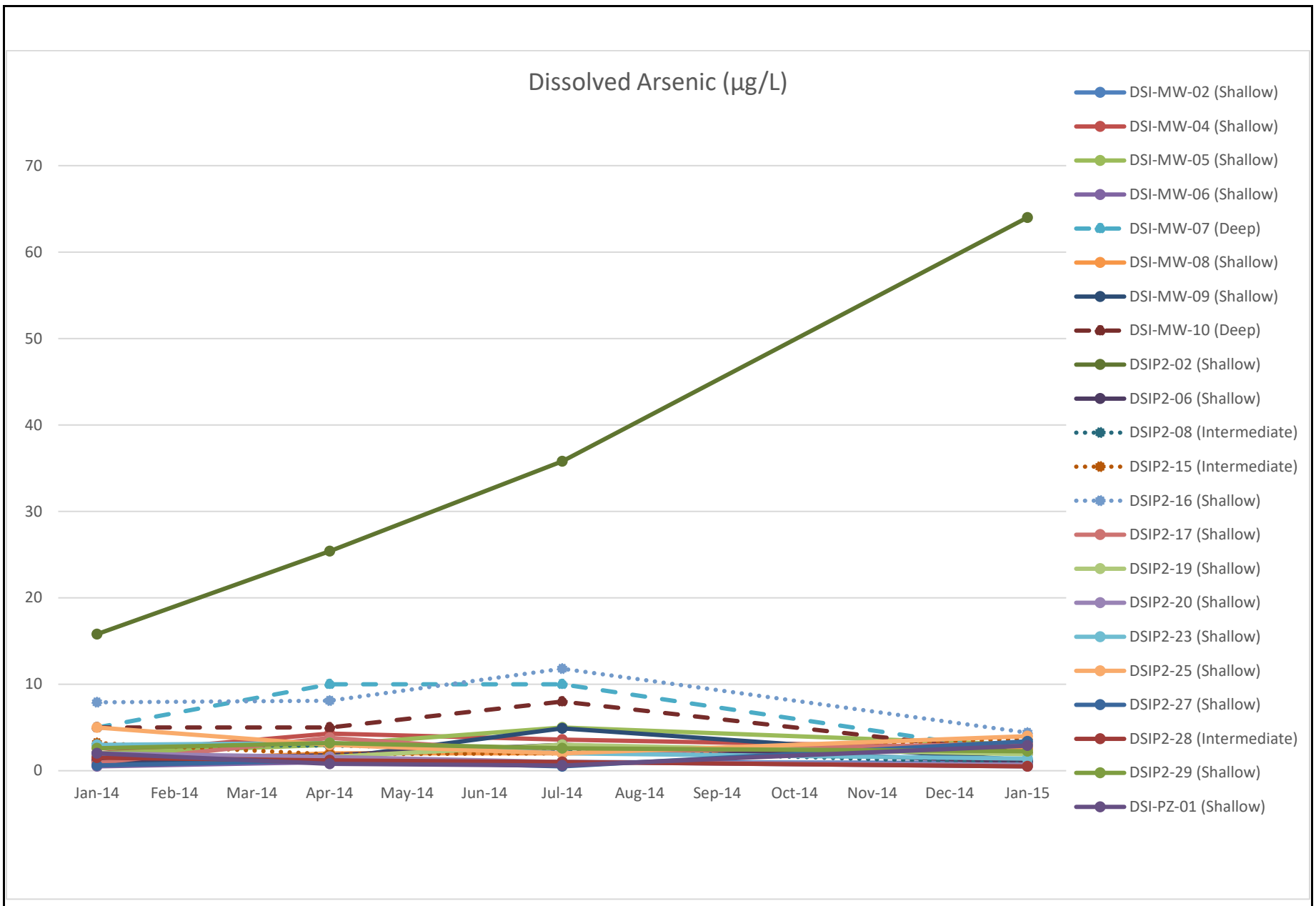
Figure G-15c
Cross Section F-F' – 1,2-Dichlorobenzene
Public Review Draft RI Report
Duwamish Shipyard, Inc.

APPENDIX G-2
GROUNDWATER TREND PLOTS



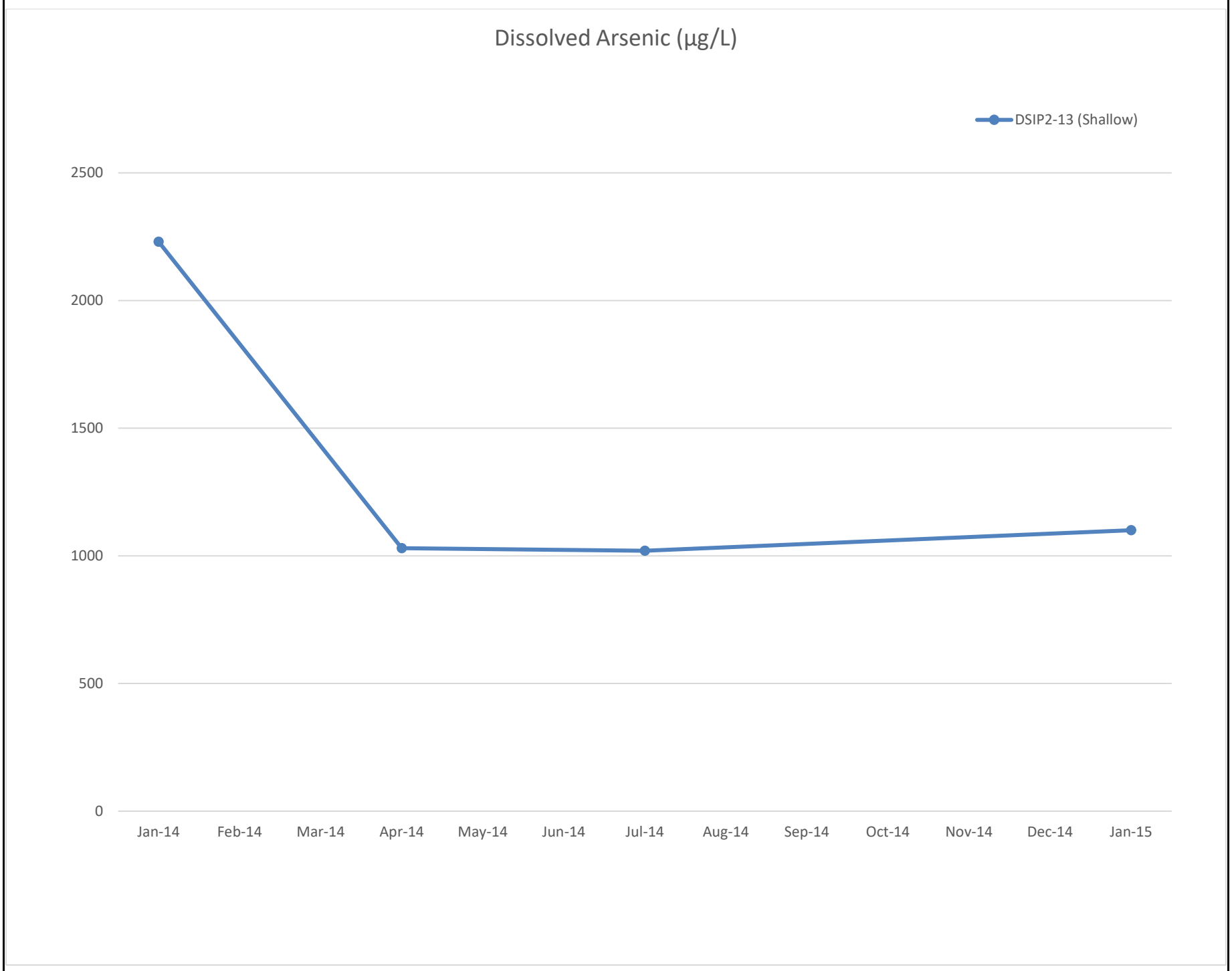


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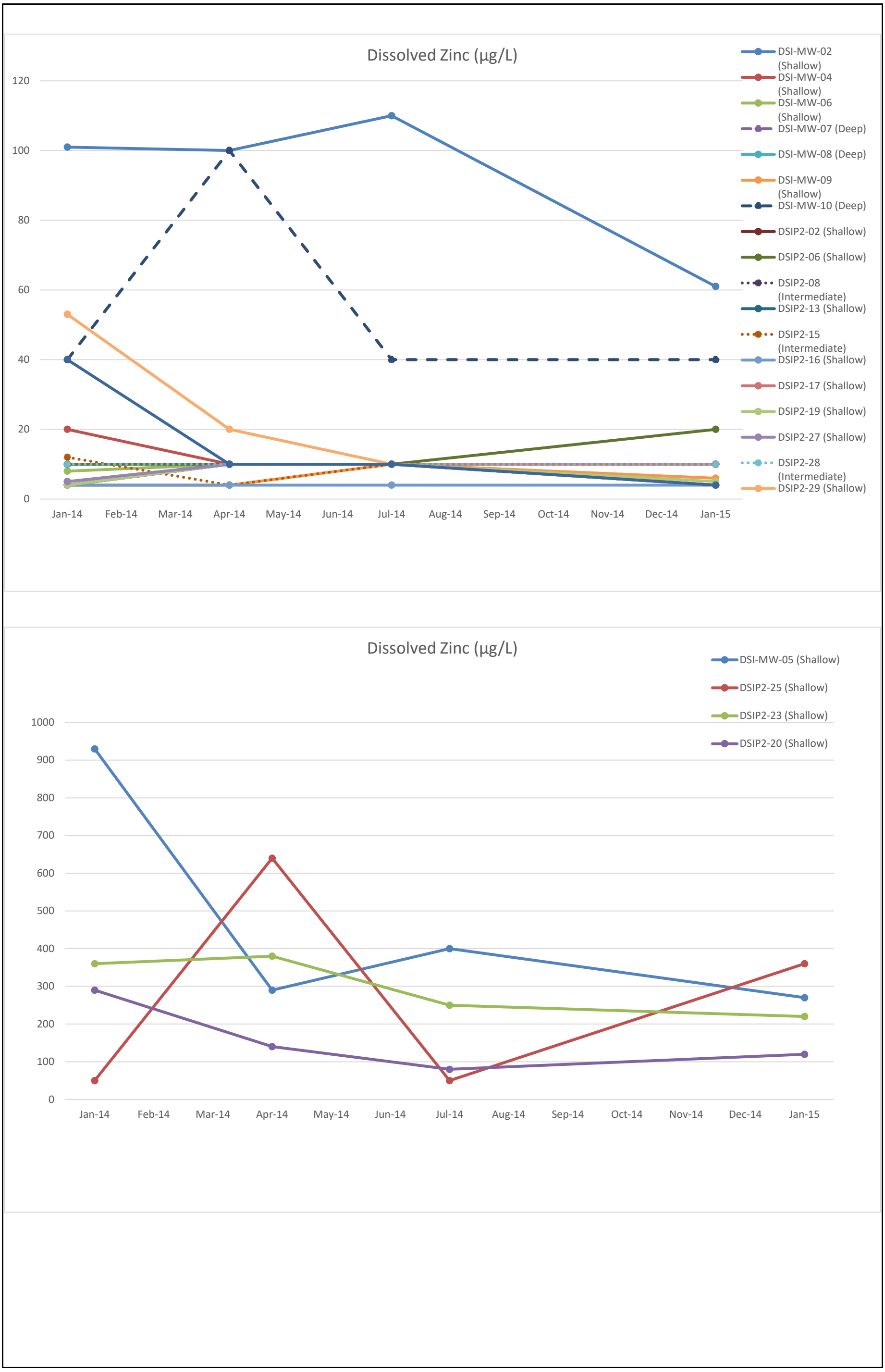
Figure G-2-1
Groundwater Trend Plots (2014 to 2015) for Dissolved Arsenic
Public Review Draft RI Report
Duwamish Shipyard, Inc.



I:\Projects\Duwamish River\Duwamish Shipyards\DSI-BG-01\10-RI-FS Report\01 - Draft RI Report\2019 Submittal\03-Appendices\Appendix G - Cross Sections and Trend Plots\Appendix G-1 GW Trend Plots\GW Trend Plot Figures_REV_02262019.docx

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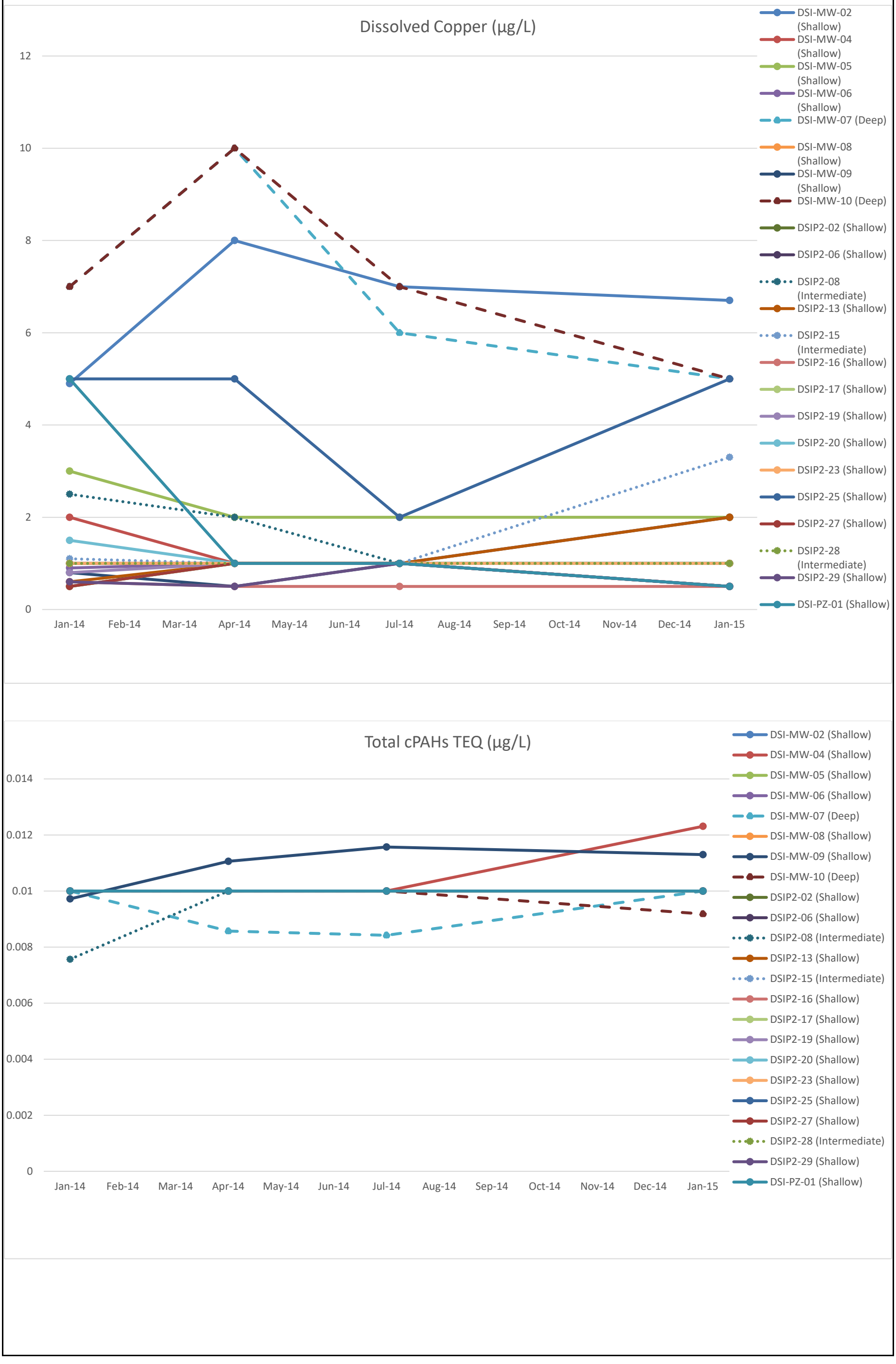
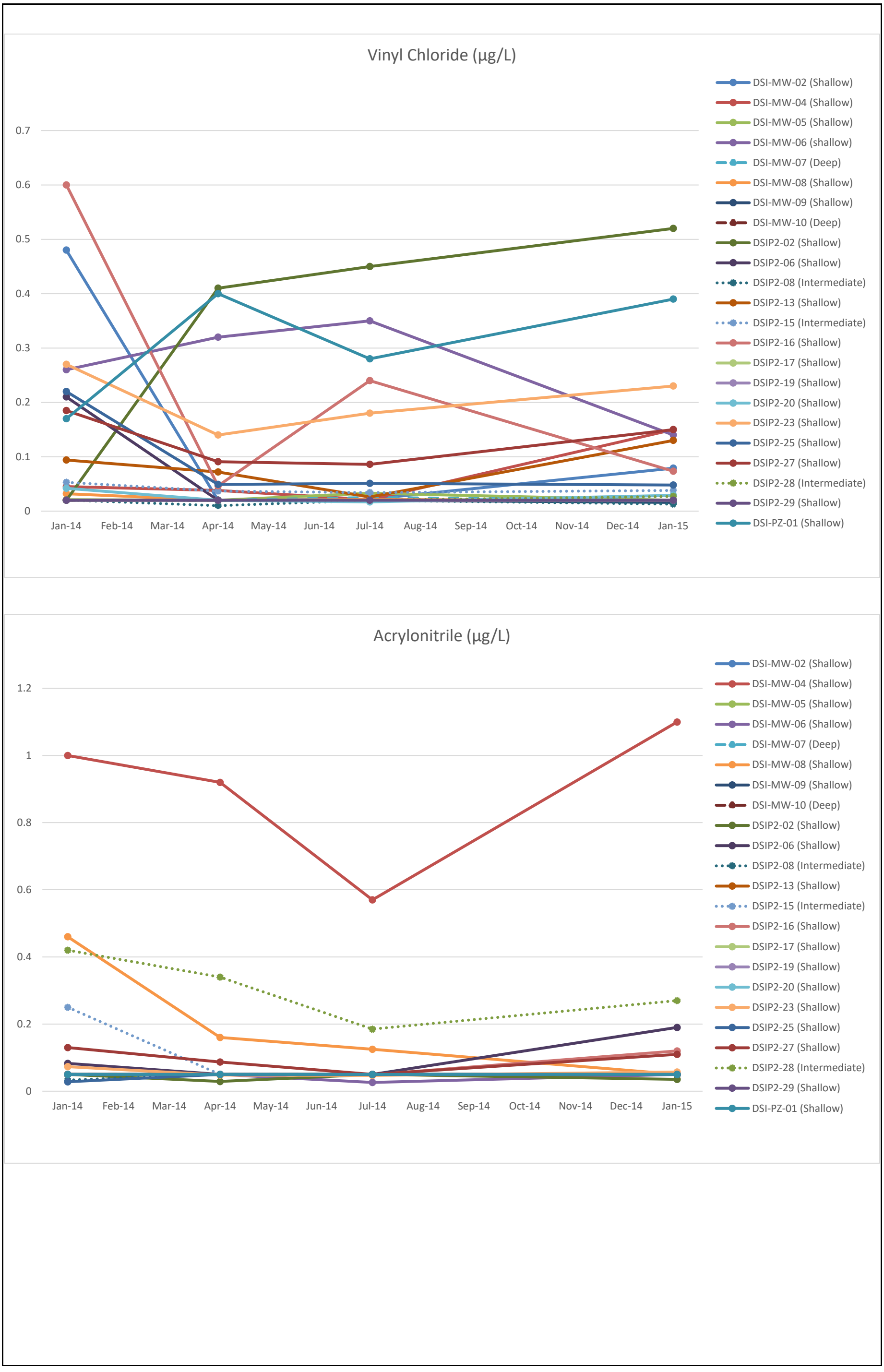
Figure G-2-2
Groundwater Trend Plots (2014 to 2015) for Dissolved Zinc
Public Review Draft RI Report
Duwamish Shipyard, Inc.



ANCHOR QEA

Figure G-2-3
Groundwater Trend Plots (2014 to 2015) for Dissolved Copper and cPAHs
Public Review Draft RI Report
Duwamish Shipyard, Inc.



ANCHOR QEA

Figure G-2-4
Groundwater Trend Plots (2014 to 2015) for Vinyl Chloride and Acrylonitrile
Public Review Draft RI Report
Duwamish Shipyard, Inc.

APPENDIX H
ENVIRONMENTAL STUDIES SUMMARY

Table H-1
Environmental Studies Summary

Existing Environmental Study[1]	Prepared By	Prepared For	Date	Purpose	Medium	No. Sample Stations	Station Type	Station ID
Previous Environmental Studies								
Results of Sampling and Analysis Sediment Monitoring Plan	Hart Crowser	Duwamish Shipyard, Inc.	November 17, 1993	NPDES Monitoring	Sediments	4	Surface Grab	SS-1 to SS-4
EPA Site Investigation						4	Surface Grab	DR054, DR090, DR120, DR121
Preliminary Investigation Data Report	Anchor Environmental	Duwamish Shipyard, Inc.	December 2006	Site Characterization	Upland	12	Soil-Geoprobe	DSI01 to DSI12
						12	GW-Geoprobe	DSI01 to DSI12
						2	GW-Monitoring Well	MW4 and MW5
						10	Catch Basin Solids	DSI13 to DSI23
Lower Duwamish Waterway Remdial Investigation Report-Final	Windward Environmental	EPA, Ecology	July 9, 2010	LDW Sediment Characterization	Sediments	9	Surface Grab	LDW-SS44 to LDW-SS49, LDW-SS51, LDW-SS53, LDW-SS55
						3	Subsurface Core	LDW-SC25, LDW-SC26, LDW-SC28
Remedial Investigation								
Phase 1 Remedial Investigation	Anchor QEA	Duwamish Shipyard, Inc.	July 2009	Site Characterization	Upland	20	Soil-Geoprobe	DSI-GP-01 to DSI-GP-17, DSI-GP-19 to DSI-GP-21
						8	Soil-Monitoring Well	DSI-MW-01 to DSI-MW-6, DSI-MW-08, DSI-MW-10
						14	GW-Geoprobe	DSI-GP-01 to DSI-GP-17, DSI-GP-19 to DSI-GP-21
						10	GW-Monitoring Well	DSI-MW-01 to DSI-MW-10
					Sediments	11	Surface Grab	DSI-SS-01 to DSI-SS-11
						17	Subsurface Core	DSI-SB-01 to DSI-SB-17
Phase 2 Remedial Investigation	Anchor QEA	Duwamish Shipyard, Inc.	2013-2015	Site Characterization	Upland	31	Soil-Sonic	DSIP2-01 to DSIP2-31
						2	Soil-Test Pit	DSIP2-ST-04, DSPI2-UST-03
						1	Catch Basin Solids	DSIP2-CB-01
						3	Seep	DSIP2-SP-01 to DSIP2-SP-03
						1	Stormwater	DSIP2-STW-01
						14	GW-Geoprobe	DSI-GP-01 to DSI-GP-17, DSI-GP-19 to DSI-GP-21
						22	GW-Monitoring Well	DSI-MW-02, DSI-MW-04 to DSI-MW-10, DSIP2-02-MW, DSIP2-06-MW, DSIP2-08-MW, DSIP2-13-MW, DSIP2-15-MW to DSIP2-17-MW, DSIP2-19-MW, DSIP2-20-MW, DSIP2-23-MW, DSIP2-25-MW, DSIP2-27-MW to DSIP2-29-MW
					Sediments	18	Surface Grab	DSIMR-SS-01 to DSIMR-SS-05, DSIP2-SS-01 to DSIP2-SS-12, DSIP2-SS-14
						17	Subsurface Core	DSIMR-SB-01 to DSIMR-SB-03, DSIMR-SB-05, DSIP2-SB-01 to DSIP2-SB-12, DSIP2-SB-14

Notes:

1. Results of the Phase 1 and Phase 2 Remedial Investigations and Preliminary Investigation are presented in this RI. Results of the Lower Duwamish Waterway RI Report are presented in Appendix H-2.

EPA = U.S. Environmental Protection Agency

GW = groundwater

NPDES = National Pollutant Discharge Elimination System

Table H-2
Summary of Available Lower Duwamish Waterway Sediment Concentrations – Adjacent to Duwamish Shipyard Property

Analyte Group	SMS SQS	SMS CSL	SMS LAET[a]	SMS 2LAET[a]	Location ID	LDW-SC26	LDW-SC26	LDW-SC26	LDW-SC26	LDW-SC26	LDW-SC28	LDW-SC28	LDW-SC28	LDW-SC28	LDW-SC28	LDW-SS49
					Sample ID	LDW-SC26-0-1	LDW-SC26-1-2	LDW-SC26-2-4	LDW-SC26-6-8	LDW-SC26-11.1-12.1	LDW-SC28-0-1	LDW-SC28-1-2	LDW-SC28-2-4	LDW-SC28-5.5-7.5	LDW-SC28-12-12.6	LDW-SS49-010
					Sample Date	2/22/2006	2/22/2006	2/22/2006	2/22/2006	2/22/2006	2/24/2006	2/24/2006	2/24/2006	2/24/2006	2/24/2006	1/26/2005
					Sample Depth	0-1 feet	1-2 feet	2-4 feet	6-8 feet	11.1-12.1 feet	0-1 feet	1-2 feet	2-4 feet	5.5-7.5 feet	12-12.6 feet	0-10 cm
						West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI
Sediment Grain Size (Percent)																
Rocks (total calc'd)	--	--	--	--		0.8	0.6	0.1	--	--	0.7	1.3	1	--	--	5.1
Sand (total calc'd)	--	--	--	--		13.5	9.4	14.5	--	--	24.9	16.7	13	--	--	37.1
Silt (total calc'd)	--	--	--	--		61.9	64.2	60.6	--	--	54.9	62.4	63	--	--	37.5
Clay (total calc'd)	--	--	--	--		23.7	25.9	24.8	--	--	19.5	19.6	23.1	--	--	20.3
Fines (percent silt+clay)	--	--	--	--		85.6	90.1	85.4	--	--	74.4	82	86	--	--	57.8
Conventional Parameters																
Total Organic Carbon (TOC)	--	--	--	--		1.4	2.04	2.08	1.88	0.912	2.59	2.07	3.14	1.61	1.31	2.47
Total solids	--	--	--	--		47.7	53.1	54.3	62.25	77	52.25	52.4	49.1	68.4	64.2	53.1
Total solids (preserved)	--	--	--	--		--	--	--	--	--	--	--	--	--	--	56.7
Ammonia (total as nitrogen)	--	--	--	--		--	--	--	--	--	--	--	--	--	--	27.6
Sulfides (total)	--	--	--	--		--	--	--	--	--	--	--	--	--	--	73
Metals (mg/kg dry weight)																
Aluminum	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Antimony	--	--	--	--		10 UJ	9 UJ	10 J	280 J	6 UJ	25 J	9 UJ	10 J	130 J	7 UJ	1.8 J
Arsenic	57	93	--	--		40	36	***67***	***1890***	6 U	***114***	18	30	***760***	17	***171***
Barium	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Cadmium	5.1	6.7	--	--		0.5	0.5	0.6	4	0.3 U	0.6	0.6	0.4 U	1.4	0.6	1
Calcium	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Chromium	260	270	--	--		37	61.7	38.7	160	14	37	32.4	33	65	28	53
Cobalt	--	--	--	--		11.2	11.9	15.8	106	4.8	13.7	9.4	11.4	50	7.6	24
Copper	390	390	--	--		146	173	***544***	***1950***	23	212	173	197	***1480***	68.5	***605***
Iron	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Lead	450	530	--	--		58 J	57 J	91 J	***1350***	9	114	40	65	***583***	37	210
Magnesium	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Manganese	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Mercury	0.41	0.59	--	--		0.28 J	0.28 J	***0.69 J***	***4.34***	--	0.37	0.2	0.24	***0.72***	0.3	0.36
Molybdenum	--	--	--	--		3	3.1	5.9	166	1.2	9.9 J	1 J	2 J	61	9.9	18
Nickel	--	--	--	--		27	32	26	60	12	23	23	25	37	17	30
Potassium	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Selenium	--	--	--	--		10 U	9 U	9 U	40 U	6 U	9 U	9 U	10 U	20 U	7 U	20 U
Silver	6.1	6.1	--	--		0.6 U	0.5 U	0.8	3	0.4 U	0.5 U	0.5 U	0.6 U	2	0.5	1 U
Sodium	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Thallium	--	--	--	--		10 U	9 U	9 U	40 U	6 U	9 U	9 U	10 U	20 U	7 U	0.4 U
Tin	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--		78.9	78.5	80.1	67	47.7	67.5	68.9	71.1	92	59.2	79
Zinc	410	960	--	--		198	191	319	***3700***	43.1	405	203	244	***1880***	97.5	***768***
Organometallic Compounds (µg/kg dry weight)																
Monobutyltin as ion	--	--	--	--		3.9 U	4.5	6	9.1	--	4 U	3.9 U	3.9 U	46	3.9 U	8 J
Dibutyltin as ion	--	--	--	--		16	24	87	520	--	25 J	15	25	960	5.6 U	59
Tributyltin as ion	--	--	--	--		130	130	590	6200	--	160	55	120	3400	4.8	140
Tetrabutyltin as ion	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons (PAHs; mg/kg organic carbon)																
2-Methylnaphthalene	38	64	--	--		7.1 U	2.9 U	4.8 U	5.9	--	2.3 U	2.9 U	1.9 U	4.1 U	4.7 U	4 U
Acenaphthylene	66	66	--	--		7.1 U	2.9 U	4.8 U	3.4 J	--	2.3 U	2.9 U	1.9 U	4.1 U	4.7 U	4 U
Acenaphthene	16	57	--	--		7.1 U	2.9 U	4.8 U	**48**	--	2.3 U	2.9 U	1.9 U	14	2.4 J	2 J
Anthracene	220	1200	--	--		5.6 J	2.5 J	3.6 J	69	--	3.9	2.3 J	1.5 J	28	2.4 J	6.1
Benzo(a)anthracene	110	270	--	--		19	8.3	15	**200**	--	12	7.7	4.5	81	8.4	13
Benzo(a)pyrene	99	210	--	--		24	13	19	**150**	--	10	7.2	5.4	59	9.2	11

Table H-2
Summary of Available Lower Duwamish Waterway Sediment Concentrations – Adjacent to Duwamish Shipyard Property

Analyte Group	SMS SQS	SMS CSL	SMS LAET[a]	SMS 2LAET[a]	Location ID	LDW-SC26	LDW-SC26	LDW-SC26	LDW-SC26	LDW-SC26	LDW-SC28	LDW-SC28	LDW-SC28	LDW-SC28	LDW-SC28	LDW-SS49
					Sample ID	LDW-SC26-0-1	LDW-SC26-1-2	LDW-SC26-2-4	LDW-SC26-6-8	LDW-SC26-11.1-12.1	LDW-SC28-0-1	LDW-SC28-1-2	LDW-SC28-2-4	LDW-SC28-5.5-7.5	LDW-SC28-12-12.6	LDW-SS49-010
					Sample Date	2/22/2006	2/22/2006	2/22/2006	2/22/2006	2/22/2006	2/24/2006	2/24/2006	2/24/2006	2/24/2006	2/24/2006	1/26/2005
					Sample Depth	0-1 feet	1-2 feet	2-4 feet	6-8 feet	11.1-12.1 feet	0-1 feet	1-2 feet	2-4 feet	5.5-7.5 feet	12-12.6 feet	0-10 cm
						West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI
Benzo(g,h,i)perylene	31	78	--	--		5.8 J	4	5.8	**53**	--	4.6	4	2.4	27	4.7 J	6.1
Chrysene	110	460	--	--		28	14	20	**210**	--	27	12	8.6	87	8.4	23
Dibenzo(a,h)anthracene	12	33	--	--		7.1 U	2.9 U	4.8 U	**21 J**	--	1.3 J	2 J	1.2 J	**12**	3.3	4 U
Fluoranthene	160	1200	--	--		36	18	36	**530**	--	37	6.3	3.8	**250**	24	40
Fluorene	23	79	--	--		7.1 U	2.9 U	4.8 U	22	--	1.5 J	2.9 U	1.9 U	9.9	4.7 U	2.8 J
Indeno(1,2,3-cd)pyrene	34	88	--	--		7.9	5.4	7.7	**53**	--	5	4.3	2.7	25	5.3	5.7
Naphthalene	99	170	--	--		7.1 U	2.9 U	4.8 U	12	--	2.3 U	2.9 U	1.9 U	2.8 J	6.1	4 U
Phenanthrene	100	480	--	--		14	5.4	12	**300**	--	12	5.8	3.8	**110**	7	20
Pyrene	1000	1400	--	--		33	20	42	520	--	37	17 J	13 J	220	23	29
Benzofluoranthenes (total-calc'd)	230	450	--	--		64	32	45	**280**	--	31	19	15	110	18	21
Total LPAH (calc'd)	370	780	--	--		19 J	7.8 J	15 J	**450 J**	--	17 J	8.2 J	5.4 J	160 J	18 J	31 J
Total HPAH (calc'd)	960	5300	--	--		220 J	110	190	**2000 J**	--	170 J	80 J	56 J	880	100 J	150
PAHs (µg/kg dry weight)																
1-Methylnaphthalene	--	--	--	--		99 U	60 U	100 U	84	--	60 U	60 U	60 U	66 U	61 U	--
2-Methylnaphthalene	--	--	670	1400		99 U	60 U	100 U	110	--	60 U	60 U	60 U	66 U	61 U	98 U
Acenaphthylene	--	--	1300	1300		99 U	60 U	100 U	63 J	--	60 U	60 U	60 U	66 U	61 U	98 U
Acenaphthene	--	--	500	730		99 U	60 U	100 U	900	--	60 U	60 U	60 U	220	32 J	50 J
Anthracene	--	--	960	4400		79 J	51 J	74 J	1300	--	100	48 J	47 J	450	32 J	150
Benzo(a)anthracene	--	--	1300	1600		260	170	310	3700	--	320	160	140	1300	110	320
Benzo(a)pyrene	--	--	1600	3000		340	260	400	2800	--	270	150	170	950	120	280
Benzo(e)pyrene	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--		470	340	480	3500	--	470	250	250	1000	98	320
Benzo(k)fluoranthene	--	--	--	--		430	320	460	1700	--	340	150	210	830	140	200
Benzo(g,h,i)perylene	--	--	670	720		81 J	82	120	1000	--	120	83	74	440	61 J	150
Chrysene	--	--	1400	2800		390	280	420	3900	--	690	250	270	1400	110	570
Dibenzo(a,h)anthracene	--	--	230	540		99 U	60 U	100 U	400 J	--	34 J	42 J	38 J	200	43	98 U
Fluoranthene	--	--	1700	2500		500	370	750	10000	--	950	130	120	4100	310	1000
Fluorene	--	--	540	1000		99 U	60 U	100 U	420	--	40 J	60 U	60 U	160	61 U	68 J
Indeno(1,2,3-cd)pyrene	--	--	600	690		110	110	160	1000	--	130	89	85	400	69	140
Naphthalene	--	--	2100	2400		99 U	60 U	100 U	220	--	60 U	60 U	60 U	45 J	80	98 U
Phenanthrene	--	--	1500	5400		190	110	240	5600	--	300	120	120	1700	92	490
Pyrene	--	--	2600	3300		460	400	880	9700	--	960	360 J	410 J	3600	300	720
Benzofluoranthenes (total-calc'd)	--	--	3200	3600		900	660	940	5200	--	810	400	460	1800	240	520
Total LPAH (calc'd)	--	--	5200	13000		270 J	160 J	310 J	8500 J	--	440 J	170 J	170 J	2600 J	236 J	760 J
Total HPAH (calc'd)	--	--	12000	17000		3040 J	2330	3980	38000 J	--	4280 J	1660 J	1770 J	14200	1360 J	3700
Total PAH (calc'd)	--	--	--	--		3310 J	2490 J	4290 J	46000 J	--	4720 J	1830 J	1930 J	16800 J	1600 J	4500 J
Benzenes (mg/kg organic carbon)																
1,2-Dichlorobenzene	2.3	2.3	--	--		0.42 U	0.29 U	0.43	***3.9***	--	0.23 U	0.29 U	0.19 U	***9.9***	0.47 U	***4 U***
1,4-Dichlorobenzene	3.1	9	--	--		0.26 J	0.29 U	0.23 J	0.59	--	0.14 J	0.29 U	0.19 U	1.5	0.47 U	**4 U**
1,2,4-Trichlorobenzene	0.81	1.8	--	--		0.42 U	0.29 U	0.29 U	0.52	--	0.23 U	0.29 UJ	0.19 UJ	0.68	0.47 UJ	***4 U***
Hexachlorobenzene	0.38	2.3	--	--		**0.42 U**	0.29 U	0.29 U	0.35 U	--	0.23 U	0.29 U	0.19 U	**0.41 U**	**0.47 U**	***4 U***
Benzenes (µg/kg dry weight)																
1,2-Dichlorobenzene	--	--	35	50		5.9 U	6 U	9	73	--	6 U	6 U	6 U	160	6.1 U	98 U
1,3-Dichlorobenzene	--	--	--	--		99 U	60 U	100 U	6.5 U	--	60 U	60 U	60 U	7.2	61 U	98 U
1,4-Dichlorobenzene	--	--	110	120		3.6 J	6 U	4.8 J	11	--	3.6 J	6 U	6 U	24	6.1 U	98 U
1,2,4-Trichlorobenzene	--	--	31	51		5.9 U	6 U	6 U	9.8	--	6 U	6 UJ	6 UJ	11	6.1 UJ	98 U
Hexachlorobenzene	--	--	22	70		5.9 U	6 U	6 U	6.5 U	--	6 U	6 U	6 U	6.6 U	6.1 U	98 U
Nitrobenzene	--	--	--	--		99 U	60 U	100 U	65 U	--	60 U	60 U	60 U	66 U	61 U	98 U
Phthalates (mg/kg organic carbon)																
Bis(2-ethylhexyl)phthalate	47	78	--	--		24	16	28	***200***	--	20 U	15 U	8.9 U	**62**	7.3	6.5

Table H-2
Summary of Available Lower Duwamish Waterway Sediment Concentrations – Adjacent to Duwamish Shipyard Property

Analyte Group	SMS SQS	SMS CSL	SMS LAET[a]	SMS 2LAET[a]	Location ID	LDW-SC26	LDW-SC26	LDW-SC26	LDW-SC26	LDW-SC26	LDW-SC28	LDW-SC28	LDW-SC28	LDW-SC28	LDW-SC28	LDW-SS49
					Sample ID	LDW-SC26-0-1	LDW-SC26-1-2	LDW-SC26-2-4	LDW-SC26-6-8	LDW-SC26-11.1-12.1	LDW-SC28-0-1	LDW-SC28-1-2	LDW-SC28-2-4	LDW-SC28-5.5-7.5	LDW-SC28-12-12.6	LDW-SS49-010
					Sample Date	2/22/2006	2/22/2006	2/22/2006	2/22/2006	2/22/2006	2/24/2006	2/24/2006	2/24/2006	2/24/2006	2/24/2006	1/26/2005
					Sample Depth	0-1 feet	1-2 feet	2-4 feet	6-8 feet	11.1-12.1 feet	0-1 feet	1-2 feet	2-4 feet	5.5-7.5 feet	12-12.6 feet	0-10 cm
						West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI
Butyl benzyl phthalate	4.9	64	--	--		3.4	1.8	2	1.6 J	--	1.3	1.3	0.83	1.7	0.47 U	4 U
Diethyl phthalate	61	110	--	--		7.1 U	2.9 U	4.8 U	3.5 U	--	2.3 U	2.9 U	1.9 U	4.1 U	4.7 U	4 U
Dimethyl phthalate	53	53	--	--		7.1 U	2.9 U	4.8 U	1.1	--	2.3 U	2.9 U	1.9 U	0.99	4.7 U	4 U
Di-n-butyl phthalate	220	1700	--	--		7.1 U	2.9 U	4.8 U	3.5 U	--	2.3 U	2.9 U	1.9 U	4.1 U	2.4 J	4 U
Di-n-octyl phthalate	58	4500	--	--		7.1 U	2.9 U	4.8 U	3 J	--	2.3 U	2.9 U	1.9 U	3.5 J	4.7 U	4 U
Phthalates (µg/kg dry weight)																
Bis(2-ethylhexyl)phthalate	--	--	1300	1900		330	320	590	3800	--	510 U	310 U	280 U	1000	96	160
Butyl benzyl phthalate	--	--	63	900		48	36	41	30 J	--	34	27	26	28	6.1 U	98 U
Diethyl phthalate	--	--	200	1200		99 U	60 U	100 U	65 U	--	60 U	60 U	60 U	66 U	61 U	98 U
Dimethyl phthalate	--	--	71	160		99 U	60 U	100 U	20	--	60 U	60 U	60 U	16	61 U	98 U
Di-n-butyl phthalate	--	--	1400	5100		99 U	60 U	100 U	65 U	--	60 U	60 U	60 U	66 U	31 J	98 U
Di-n-octyl phthalate	--	--	6200	--		99 U	60 U	100 U	57 J	--	60 U	60 U	60 U	56 J	61 U	98 U
Phenols (µg/kg dry weight)																
2-Chlorophenol	--	--	--	--		99 U	60 U	100 U	65 U	--	60 U	60 U	60 U	66 U	61 U	98 U
4-Chloro-3-methylphenol	--	--	--	--		500 U	300 U	500 U	330 U	--	300 U	300 U	300 U	330 U	310 U	490 U
2,4-Dichlorophenol	--	--	--	--		500 U	300 U	500 U	330 U	--	300 U	300 U	300 U	330 U	310 U	490 U
2,4-Dimethylphenol	29	29	--	--		5.9 UJ	6 UJ	6 UJ	24 J	--	6 UJ	6 UJ	6 UJ	8.5 J	4.3 J	***98 U***
2,4-Dinitrophenol	--	--	--	--		990 UJ	600 UJ	1000 UJ	650 U	--	600 UJ	600 UJ	600 UJ	660 U	610 UJ	980 U
2-Methylphenol	63	63	--	--		5.9 UJ	6 UJ	6 UJ	12	--	6 U	6 UJ	4.2 J	6.6	6.1 U	***98 U***
4-Methylphenol	670	670	--	--		99 U	60 U	100 U	48 J	--	60 U	60 U	60 U	37 J	61 U	98 U
2,4,5-Trichlorophenol	--	--	--	--		500 U	300 U	500 U	330 U	--	300 U	300 U	300 U	330 U	310 U	490 U
2,4,6-Trichlorophenol	--	--	--	--		500 U	300 U	500 U	330 U	--	300 U	300 U	300 U	330 U	310 U	490 U
2-Nitrophenol	--	--	--	--		500 U	300 U	500 U	330 U	--	300 U	300 U	300 U	330 U	310 U	490 U
4-Nitrophenol	--	--	--	--		500 U	300 U	500 U	330 U	--	300 U	300 U	300 U	330 U	310 U	490 U
Pentachlorophenol	360	690	--	--		20 J	30 U	24 J	***800***	--	32	30 U	30 U	**410**	31 U	**490 U**
Phenol	420	1200	--	--		99 U	60 U	100 U	65 U	--	210	150	110	66 U	61 U	240
Misc Extractables (mg/kg organic carbon)																
Dibenzofuran	15	58	--	--		7.1 U	2.9 U	4.8 U	**19**	--	2.3 U	2.9 U	1.9 U	5	4.7 U	4 U
Hexachlorobutadiene	3.9	6.2	--	--		0.42 U	0.29 U	0.29 U	0.35 U	--	0.23 U	0.29 U	0.19 U	0.41 U	0.47 U	**4 U**
N-Nitrosodiphenylamine	11	11	--	--		2.1 U	1.2 U	1.8 U	***34 U***	--	1.4 U	1.1 U	0.73 U	***19 U***	2.3 UJ	4 U
Misc Extractables (µg/kg dry weight)																
2-Nitroaniline	--	--	--	--		500 U	300 U	500 U	330 U	--	300 U	300 U	300 U	330 U	310 U	490 U
3-Nitroaniline	--	--	--	--		500 UJ	300 UJ	500 UJ	330 U	--	300 U	300 U	300 U	330 U	310 U	490 U
4-Nitroaniline	--	--	--	--		500 U	300 U	500 U	330 U	--	300 U	300 U	300 U	330 U	310 U	490 U
3,3'-Dichlorobenzidine	--	--	--	--		500 UJ	300 UJ	500 UJ	330 U	--	300 UJ	300 UJ	300 UJ	330 U	310 U	490 U
4-Chloroaniline	--	--	--	--		500 UJ	300 UJ	500 UJ	330 U	--	300 UJ	300 UJ	300 UJ	330 U	310 U	490 U
Aniline	--	--	--	--		99 UJ	60 UJ	100 UJ	65 U	--	60 UJ	60 UJ	60 UJ	66 U	61 U	98 U
Benzyl alcohol	57	73	--	--		30 U	30 U	30 U	33 U	--	***110***	30 U	30 U	33 U	31 U	***98 U***
Benzoic acid	650	650	--	--		160	100	80	590 U	--	200 J	98 J	85 J	320 J	610 U	***980 U***
Carbazole	--	--	--	--		--	--	--	--	--	--	--	--	--	--	53 J
Dibenzofuran	--	--	540	700		99 U	60 U	100 U	360	--	60 U	60 U	60 U	80	61 U	98 U
Hexachlorobutadiene	--	--	11	120		5.9 U	6 U	6 U	6.5 U	--	6 U	6 U	6 U	6.6 U	6.1 U	98 U
Hexachloroethane	--	--	--	--		99 U	60 U	100 U	65 U	--	60 U	60 U	60 U	66 U	61 U	98 U
Hexachlorocyclopentadiene	--	--	--	--		500 U	300 U	500 U	330 U	--	300 UJ	300 UJ	300 UJ	330 U	310 UJ	490 U
Isophorone	--	--	--	--		99 U	60 U	100 U	65 U	--	60 U	60 U	60 U	66 U	61 U	98 U
N-Nitroso-di-n-propylamine	--	--	--	--		30 UJ	30 UJ	30 UJ	33 U	--	30 U	30 UJ	30 UJ	33 U	31 UJ	490 U
N-Nitrosodimethylamine	--	--	--	--		30 U	30 U	30 U	33 U	--	30 U	30 U	30 U	33 U	31 U	98 U
N-Nitrosodiphenylamine	--	--	28	40		30 U	24 U	38 U	640 U	--	35 U	22 U	23 U	300 U	30 UJ	98 U
Ethers (µg/kg dry weight)																
4-Bromophenyl phenyl ether	--	--	--	--		99 U	60 U	100 U	65 U	--	60 U	60 U	60 U	66 U	61 U	98 U

Table H-2
Summary of Available Lower Duwamish Waterway Sediment Concentrations – Adjacent to Duwamish Shipyard Property

Analyte Group	SMS SQS	SMS CSL	SMS LAET[a]	SMS 2LAET[a]	Location ID	LDW-SC26	LDW-SC26	LDW-SC26	LDW-SC26	LDW-SC26	LDW-SC28	LDW-SC28	LDW-SC28	LDW-SC28	LDW-SC28	LDW-SS49
					Sample ID	LDW-SC26-0-1	LDW-SC26-1-2	LDW-SC26-2-4	LDW-SC26-6-8	LDW-SC26-11.1-12.1	LDW-SC28-0-1	LDW-SC28-1-2	LDW-SC28-2-4	LDW-SC28-5.5-7.5	LDW-SC28-12-12.6	LDW-SS49-010
					Sample Date	2/22/2006	2/22/2006	2/22/2006	2/22/2006	2/22/2006	2/24/2006	2/24/2006	2/24/2006	2/24/2006	2/24/2006	1/26/2005
					Sample Depth	0-1 feet	1-2 feet	2-4 feet	6-8 feet	11.1-12.1 feet	0-1 feet	1-2 feet	2-4 feet	5.5-7.5 feet	12-12.6 feet	0-10 cm
						West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI
4-Chlorophenyl phenyl ether	--	--	--	--		99 U	60 U	100 U	65 U	--	60 U	60 U	60 U	66 U	61 U	98 U
bis(2-chloroethyl)ether	--	--	--	--		99 U	60 U	100 U	65 U	--	60 U	60 U	60 U	66 U	61 U	98 U
bis(2-chloroisopropyl)ether	--	--	--	--		99 U	60 U	100 U	65 U	--	60 U	60 U	60 U	66 U	61 U	98 U
Pesticides (µg/kg dry weight)																
2,4'-DDD	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
2,4'-DDE	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
2,4'-DDT	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
4,4'-DDD	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
4,4'-DDE	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
4,4'-DDT	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Aldrin	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
beta-BHC	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
delta-BHC	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Oxychlordane	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Dieldrin	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
alpha-Endosulfan	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
beta-Endosulfan	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Endrin	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Heptachlor	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Toxaphene	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Total aldrin/dieldrin (calc'd)	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
DDTs (total-calc'd)	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Total Chlordane (calc'd)	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Herbicides (µg/kg dry weight)																
Methoxychlor	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyl (PCB) Aroclors (mg/kg organic carbon)																
PCBs (total calc'd)	12	65	--	--		**20**	11	**15**	***120***	**15**	**17**	**17 J**	9.2	***200***	**41**	2.8
PCB Aroclors (µg/kg dry weight)																
Aroclor-1016	--	--	--	--		7.9 U	7.9 U	8 U	170 U	4 U	39 U	77 U	40 U	310 U	25 U	20 U
Aroclor-1221	--	--	--	--		7.9 U	7.9 U	8 U	170 U	4 U	39 U	77 U	40 U	310 U	25 U	20 U
Aroclor-1232	--	--	--	--		7.9 U	7.9 U	8 U	170 U	4 U	39 U	77 U	40 U	310 U	25 U	20 U
Aroclor-1242	--	--	--	--		7.9 U	7.9 U	8 U	370	31	39 U	77 U	40 U	310 U	25 U	20 U
Aroclor-1248	--	--	--	--		60	48	60	170 U	4 U	99	65 J	55	310 U	190	40 U
Aroclor-1254	--	--	--	--		110	81	140	1300	67	180	110	110	2600	220	39
Aroclor-1260	--	--	--	--		110	97	110	610	42	160	180	120	610	130	31
PCBs (total calc'd)	--	--	130	1000		280	226	310	2300	140	440	360 J	290	3200	540	70
PCBs Congeners (ng/kg dry weight)																
PCB-018	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
PCB-028	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
PCB-044	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
PCB-055	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--
PCB-066	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--

Table H-2
Summary of Available Lower Duwamish Waterway Sediment Concentrations – Adjacent to Duwamish Shipyard Property

Analyte Group	SMS SQS	SMS CSL	SMS LAET[a]	Location ID	LDW-SC26	LDW-SC26	LDW-SC26	LDW-SC26	LDW-SC26	LDW-SC28	LDW-SC28	LDW-SC28	LDW-SC28	LDW-SC28	LDW-SS49
				Sample ID	LDW-SC26-0-1	LDW-SC26-1-2	LDW-SC26-2-4	LDW-SC26-6-8	LDW-SC26-11.1-12.1	LDW-SC28-0-1	LDW-SC28-1-2	LDW-SC28-2-4	LDW-SC28-5.5-7.5	LDW-SC28-12-12.6	LDW-SS49-010
				Sample Date	2/22/2006	2/22/2006	2/22/2006	2/22/2006	2/22/2006	2/24/2006	2/24/2006	2/24/2006	2/24/2006	2/24/2006	1/26/2005
				Sample Depth	0-1 feet	1-2 feet	2-4 feet	6-8 feet	11.1-12.1 feet	0-1 feet	1-2 feet	2-4 feet	5.5-7.5 feet	12-12.6 feet	0-10 cm
			SMS 2LAET[a]		West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI
PCB-077	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-081	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-090	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-101	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-105	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-114	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-118	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-123	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-126	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-128	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-129	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-138	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-153	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-156	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-157	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-167	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-169	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-170	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-180	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-187	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-189	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-195	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-206	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-209	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB Toxic Equivalents Quotient(TEQ) - Bird - Half I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB TEQ - Mammal - Half DL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxin/Furans (ng/kg dry weight)															
1,2,3,4,6,7,8-HpCDD	--	--	--	--	486	393	732	5930	--	638	513	496	--	--	--
1,2,3,4,6,7,8-HpCDF	--	--	--	--	106	63.6	118	873	--	143	73.8	87.8	--	--	--
1,2,3,4,7,8,9-HpCDF	--	--	--	--	9.01	5.67	11	63.4	--	12.1	6.35	8.85	--	--	--
1,2,3,4,7,8-HxCDD	--	--	--	--	2.83	2.87	3.9	11.2	--	3.39	2.51	2.7	--	--	--
1,2,3,4,7,8-HxCDF	--	--	--	--	11.7	9.12	15.9	40.6	--	14.1	10.5	26.6	--	--	--
1,2,3,6,7,8-HxCDD	--	--	--	--	16.9	14.1	24.4	184	--	21.8	17.5	18.7	--	--	--
1,2,3,6,7,8-HxCDF	--	--	--	--	3.56	2.99	4.5	12.7	--	3.84	3.03	5.78	--	--	--
1,2,3,7,8,9-HxCDD	--	--	--	--	10.5	9.44	13.5	52.3	--	11.4	9.85	10.1	--	--	--
1,2,3,7,8,9-HxCDF	--	--	--	--	0.226 J	0.283 J	0.361 J	0.983 J	--	0.436 J	0.537 U	0.413 J	--	--	--
1,2,3,7,8-PeCDD	--	--	--	--	1.9	1.77	2.69	10.5	--	2.05	1.71	1.81	--	--	--
1,2,3,7,8-PeCDF	--	--	--	--	1.51	1.32	1.73	3.24	--	1.37	1.16	1.56	--	--	--
2,3,4,6,7,8-HxCDF	--	--	--	--	2.62	2.23	3.51	9.77	--	3.01	2.12	3.1	--	--	--
2,3,4,7,8-PeCDF	--	--	--	--	3.46	2.67	3.94	5.92	--	3.68	2.47	5.25	--	--	--
2,3,7,8-TCDD	--	--	--	--	0.485	0.524	0.829	3.36	--	0.636	0.524	0.551	--	--	--
2,3,7,8-TCDF	--	--	--	--	1.6	1.16	1.66	3.32	--	1.8	1.26	1.31	--	--	--
OCDD	--	--	--	--	4540	3450	7140	62000	--	6770	3710	5480	--	--	--
OCDF	--	--	--	--	347	176	393	4420	--	517	237	219	--	--	--
Dioxin/furan TEQ - Bird - Half DL	--	--	--	--	12.9 J	10.4 J	16.3 J	59.4 J	--	14.9 J	10.7	16 J	--	--	--
Dioxin/furan TEQ - Fish Sheboygan - Half DL	--	--	--	--	10.7 J	8.8 J	14.4 J	57.2 J	--	12.8 J	9.39	15.6 J	--	--	--
Dioxin/furan TEQ - Fish WHO - Half DL	--	--	--	--	9.89 J	8.33 J	13.2 J	53.5 J	--	11.8 J	8.42	12.4 J	--	--	--
Dioxin/furan TEQ - Mammal WHO 1998 - Half DL	--	--	--	--	15.7 J	12.9 J	21.7 J	124 J	--	19.2 J	14.6	18.4 J	--	--	--
					15.9 J	13.1 J	22.4 J	136 J	--	19.9 J	14.8	18.5 J	--	--	--

Table H-2
Summary of Available Lower Duwamish Waterway Sediment Concentrations – Adjacent to Duwamish Shipyard Property

Analyte Group	SMS SQS	SMS CSL	SMS LAET[a]	SMS 2LAET[a]	Location ID	LDW-SS51	LDW-SS53	DR120	DR121	LDW-SC25	LDW-SC25	LDW-SC25	LDW-SC25	LDW-SC25	LDW-SS44	DR054	DR090
					Sample ID	LDW-SS51-010	LDW-SS53-010	SD-DR120-0000	SD-DR121-0000	LDW-SC25-0-1	LDW-SC25-1-2	LDW-SC25-2-4	LDW-SC25-4-6	LDW-SC25-8-9.1	LDW-SS44-010	SD-DR054-0000	SD-DR090-0000
					Sample Date	1/18/2005	2/2/2005	8/12/1998	8/31/1998	2/17/2006	2/17/2006	2/17/2006	2/17/2006	2/17/2006	1/21/2005	8/12/1998	8/12/1998
					Sample Depth	0-10 cm	0-10 cm	0-10 cm	0-10 cm	0-1 feet	1-2 feet	2-4 feet	4-6 feet	8-9.1 feet	0-10 cm	0-10 cm	0-10 cm
						Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	Nav. Channel - AML
Sediment Grain Size (Percent)																	
Rocks (total calc'd)	--	--	--	--		0.5	0.1 U	1.8	0.01 U	1.3	1.3	0.3	--	--	61.7	5.7 J	1.3 J
Sand (total calc'd)	--	--	--	--		22.7	11.3	41	5 J	20.5	17.3	19.4	--	--	16.5	19.1 J	11.3 J
Silt (total calc'd)	--	--	--	--		54.1	64.7	42	68	56.8	58.7	55.6	--	--	14.7	45	56
Clay (total calc'd)	--	--	--	--		22.6	24	15	26	21.5	22.7	24.5	--	--	7.1	26	31
Fines (percent silt+clay)	--	--	--	--		76.7	88.7	57	94	78.3	81.4	80.1	--	--	21.8	71	87
Conventional Parameters																	
Total Organic Carbon (TOC)	--	--	--	--		2.13	2.64	2.78	2.39	1.94	1.47	1.69	1.63	0.11	1.53	2.36	2.13
Total solids	--	--	--	--		47.9	44.7	--	--	47.5	52.2	54.4	52.6	76.8	74.2	--	--
Total solids (preserved)	--	--	--	--		39.6	42.8	--	--	--	--	--	--	--	51.3	--	--
Ammonia (total as nitrogen)	--	--	--	--		8.06	5.99	--	--	--	--	--	--	--	6.73	--	--
Sulfides (total)	--	--	--	--		19 J	28	--	--	--	--	--	--	--	150 J	--	--
Metals (mg/kg dry weight)																	
Aluminum	--	--	--	--		--	--	19000	27000	--	--	--	--	--	--	25000	21000
Antimony	--	--	--	--		0.4 UJ	0.4 U	10 UJ	10 UJ	10 UJ	16 J	30 J	30 J	6 UJ	0.9 J	10 UJ	10 UJ
Arsenic	57	93	--	--		16.9	39.7	19	18	50	**91**	***170***	***250***	8	46.8	24	9
Barium	--	--	--	--		--	--	89	97	--	--	--	--	--	--	110	82
Beryllium	--	--	--	--		--	--	0.42	0.48	--	--	--	--	--	--	0.49	0.46
Cadmium	5.1	6.7	--	--		0.6	0.7	0.54	0.42	0.4	0.5	0.8 U	1.5	0.2 U	0.7	0.37	0.25
Calcium	--	--	--	--		--	--	10000	8000	--	--	--	--	--	--	8400	5700
Chromium	260	270	--	--		38	42	28	39	42	44.7	45	55	8.3	33.2	34	27
Cobalt	--	--	--	--		10.5	12	10	11	11.6	14.5	20	22	3.3	9.8	12	12
Copper	390	390	--	--		127	163 J	180	110	327	339	***541***	***663***	7.5	214	140	53
Iron	--	--	--	--		--	--	32000 J	38000 J	--	--	--	--	--	--	35000 J	28000 J
Lead	450	530	--	--		64	74	53	47	76	98	173	310	2 U	68	49	21
Magnesium	--	--	--	--		--	--	8100	9800	--	--	--	--	--	--	9400	8000
Manganese	--	--	--	--		--	--	420	440	--	--	--	--	--	--	440	370
Mercury	0.41	0.59	--	--		0.3	0.31	0.21	0.27	0.27	0.3	0.4	--	--	0.23	0.17	0.15
Molybdenum	--	--	--	--		2	3	--	--	4	6.5	10	16	0.7	4.5	--	--
Nickel	--	--	--	--		24	26	21	24	24	26	27	28	5	21	28	23
Potassium	--	--	--	--		--	--	2700	3400	--	--	--	--	--	--	3200	2600
Selenium	--	--	--	--		10 UJ	10 U	1	18 J	10 U	9 U	20 U	20 U	6 U	9 U	0.5 J	0.6 J
Silver	6.1	6.1	--	--		0.8	0.7 U	0.39	0.35	0.6 U	0.5 U	1 U	1 U	0.4 U	0.5 U	0.28	0.2
Sodium	--	--	--	--		--	--	13000	13000	--	--	--	--	--	--	12000	9800
Thallium	--	--	--	--		0.4 U	0.4 U	0.12	0.1	10 U	9 U	20 U	20 U	6 U	0.3 U	0.13	0.11
Tin	--	--	--	--			--	9	19	--	--	--	--	--	--	10	2
Vanadium	--	--	--	--		73.2	81.1	54	83	73.1	75.1	79	89	37.5	61	70	57
Zinc	410	960	--	--		190	247 J	240	170	263	**503**	**750**	***1420***	17.6	242	170	93
Organometallic Compounds (µg/kg dry weight)																	
Monobutyltin as ion	--	--	--	--		--	--	--	19 J	12	13	18	7.8 U	3.8 U	--	40 J	10 J
Dibutyltin as ion	--	--	--	--		7.8	5.6 U	--	29 J	72	64	150	92	5.4 U	--	21 J	14
Tributyltin as ion	--	--	--	--		28	6.3	--	120 J	220	350	720	1000	3.6 U	--	190	54
Tetrabutyltin as ion	--	--	--	--		--	--	--	5 UJ	--	--	--	--	--	--	6	5 U
Polycyclic Aromatic Hydrocarbons (PAHs; mg/kg organic carbon)																	
2-Methylnaphthalene	38	64	--	--		0.94 U	0.76 U	3.2	0.84 U	3.5 U	4.1 U	3.6 U	--	--	3.8 U	0.85 U	0.94 U
Acenaphthylene	66	66	--	--		0.94 U	0.76 U	1.8	0.84 U	3.5 U	2.1 J	3.6 U	--	--	3.8 U	0.85 U	0.94 U
Acenaphthene	16	57	--	--		0.94 U	0.76 U	6.1	0.84	2 J	2.4 J	7.1	--	--	3.8 U	0.85	0.94 U
Anthracene	220	1200	--	--		1.8	3.4	17	2.9	8.8	10	13	--	--	13	4.7	3.3
Benzo(a)anthracene	110	270	--	--		6.1	42	86	10	26	43	39	--	--	37	14	8.9
Benzo(a)pyrene	99	210	--	--		5.6	16	22	9.6	26	40	41	--	--	31	12	8.5

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Summary of Available Lower Duwamish Waterway Sediment Concentrations – Adjacent to Duwamish Shipyard Property

Analyte Group	SMS SQS	SMS CSL	SMS LAET[a]	SMS 2LAET[a]	Location ID	LDW-SS51	LDW-SS53	DR120	DR121	LDW-SC25	LDW-SC25	LDW-SC25	LDW-SC25	LDW-SC25	LDW-SS44	DR054	DR090
					Sample ID	LDW-SS51-010	LDW-SS53-010	SD-DR120-0000	SD-DR121-0000	LDW-SC25-0-1	LDW-SC25-1-2	LDW-SC25-2-4	LDW-SC25-4-6	LDW-SC25-8-9.1	LDW-SS44-010	SD-DR054-0000	SD-DR090-0000
					Sample Date	1/18/2005	2/2/2005	8/12/1998	8/31/1998	2/17/2006	2/17/2006	2/17/2006	2/17/2006	2/17/2006	1/21/2005	8/12/1998	8/12/1998
					Sample Depth	0-10 cm	0-10 cm	0-10 cm	0-10 cm	0-1 feet	1-2 feet	2-4 feet	4-6 feet	8-9.1 feet	0-10 cm	0-10 cm	0-10 cm
						Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	Nav. Channel - AML
Benzo(g,h,i)perylene	31	78	--	--		1.8	2.2	14	6.7	6.7	9.5	9.5	--	--	11	8.1	5.2
Chrysene	110	460	--	--		13	17	**120**	15	47	67	54	--	--	42	21	13
Dibenzo(a,h)anthracene	12	33	--	--		0.94 U	1.3	5.8	1.7	3.5 U	3.3 J	3.1 J	--	--	3.8 U	2.1	1.4
Fluoranthene	160	1200	--	--		15	28	**500**	25	47	95	120	--	--	61	38	21
Fluorene	23	79	--	--		0.94 U	1.1	6.8	1.3	2.7 J	2.5 J	4.5	--	--	4.1	1.7	1.4
Indeno(1,2,3-cd)pyrene	34	88	--	--		2.2	7.6	17	7.1	9.3	14	12	--	--	11	8.9	5.2
Naphthalene	99	170	--	--		0.94 U	0.76 U	3.6	0.84 U	3.5 U	4.1 U	2.4 J	--	--	3.8 U	0.85 U	0.94 U
Phenanthrene	100	480	--	--		5.2	6.8	**140**	7.1	21	23	31	--	--	29	10	7
Pyrene	1000	1400	--	--		11	16	180	19	47	120	95	--	--	72	29	17
Benzofluoranthenes (total-calc'd)	230	450	--	--		13	42	100	23	64	110	96	--	--	69	28	18
Total LPAH (calc'd)	370	780	--	--		7	11	180	12	35 J	40 J	59 J	--	--	46	17	12
Total HPAH (calc'd)	960	5300	--	--		68	170	**1000**	120	270	500 J	470 J	--	--	330	160	98
PAHs (µg/kg dry weight)																	
1-Methylnaphthalene	--	--	--	--		--	--	--	--	68 U	60 U	60 U	--	--	--	--	--
2-Methylnaphthalene	--	--	670	1400		20 U	20 U	90	20 U	68 U	60 U	60 U	--	--	58 U	20 U	20 U
Acenaphthylene	--	--	1300	1300		20 U	20 U	50	20 U	68 U	31 J	60 U	--	--	58 U	20 U	20 U
Acenaphthene	--	--	500	730		20 U	20 U	170	20	38 J	35 J	120	--	--	58 U	20	20 U
Anthracene	--	--	960	4400		39	91	480	70	170	150	220	--	--	200	110	70
Benzo(a)anthracene	--	--	1300	1600		130	1100	2400	250	500	630	660	--	--	570	330	190
Benzo(a)pyrene	--	--	1600	3000		120	410	620	230	500	590	700	--	--	470	290	180
Benzo(e)pyrene	--	--	--	--		--	--	--	--								
Benzo(b)fluoranthene	--	--	--	--		170	780	2000	320	720	850	840	--	--	510	360	200
Benzo(k)fluoranthene	--	--	--	--		110	320	890	220	530	720	780	--	--	550	300	190
Benzo(g,h,i)perylene	--	--	670	720		38	59	380	160	130	140	160	--	--	170	190	110
Chrysene	--	--	1400	2800		270	460	3300	360	920	990	910	--	--	650	490	280
Dibenzo(a,h)anthracene	--	--	230	540		20 U	34	160	40	68 U	48 J	53 J	--	--	58 U	50	30
Fluoranthene	--	--	1700	2500		330	750	14000	600	910	1400	2100	--	--	940	890	440
Fluorene	--	--	540	1000		20 U	29	190	30	52 J	37 J	76	--	--	63	40	30
Indeno(1,2,3-cd)pyrene	--	--	600	690		46	200	470	170	180	200	210	--	--	170	210	110
Naphthalene	--	--	2100	2400		20 U	20 U	100	20 U	68 U	60 U	41 J	--	--	58 U	20 U	20 U
Phenanthrene	--	--	1500	5400		110	180	3900	170	410	340	530	--	--	450	240	150
Pyrene	--	--	2600	3300		240	420	4900	460	920	1800	1600	--	--	1100	690	360
Benzofluoranthenes (total-calc'd)	--	--	3200	3600		280	1100	2900	540	1250	1570	1620	--	--	1060	660	390
Total LPAH (calc'd)	--	--	5200	13000		150	300	4900	290	670 J	590 J	990 J	--	--	710	410	250
Total HPAH (calc'd)	--	--	12000	17000		1450	4500	29000	2810	5310	7400 J	8000 J	--	--	5100	3800	2090
Total PAH (calc'd)	--	--	--	--		1600	4800	34000	3100	5980 J	8000 J	9000 J	--	--	5800	4210	2340
Benzenes (mg/kg organic carbon)																	
1,2-Dichlorobenzene	2.3	2.3	--	--		0.31 U	0.76 U	0.72 U	0.84 U	0.35 U	0.41 U	0.46	--	--	0.43 U	0.85 U	0.94 U
1,4-Dichlorobenzene	3.1	9	--	--		0.31 U	0.76 U	0.72 U	0.84 U	0.35 U	0.41 U	0.25 J	--	--	0.43 U	0.85 U	0.94 U
1,2,4-Trichlorobenzene	0.81	1.8	--	--		0.31 U	0.76 U	0.72 U	**0.84 U**	0.35 UJ	0.41 UJ	0.36 UJ	--	--	0.43 U	**0.85 U**	**0.94 U**
Hexachlorobenzene	0.38	2.3	--	--		0.31 U	0.038 U	**0.72 U**	**0.84 U**	0.35 U	**0.41 U**	0.36 U	--	--	0.22 UJ	**0.85 U**	**0.94 U**
Benzenes (µg/kg dry weight)																	
1,2-Dichlorobenzene	--	--	35	50		6.6 U	20 U	20 U	20 U	6.8 U	6 U	7.8	--	--	6.6 U	20 U	20 U
1,3-Dichlorobenzene	--	--	--	--		20 U	20 U	20 U	20 U	68 U	60 U	60 U	--	--	58 U	20 U	20 U
1,4-Dichlorobenzene	--	--	110	120		6.6 U	20 U	20 U	20 U	6.8 U	6 U	4.2 J	--	--	6.6 U	20 U	20 U
1,2,4-Trichlorobenzene	--	--	31	51		6.6 U	20 U	20 U	20 U	6.8 UJ	6 UJ	6 UJ	--	--	6.6 U	20 U	20 U
Hexachlorobenzene	--	--	22	70		6.6 U	0.99 U	20 U	20 U	6.8 U	6 U	6 U	--	--	3.3 UJ	20 U	20 U
Nitrobenzene	--	--	--	--		20 U	20 U	20 U	20 U	68 U	60 U	60 U	--	--	58 U	20 U	20 U
Phthalates (mg/kg organic carbon)																	
Bis(2-ethylhexyl)phthalate	47	78	--	--		5.6 U	7.6	16	14	18	22	44	--	--	7.8	19	15

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Analyte Group	SMS SQS	SMS CSL	SMS LAET[a]	SMS 2LAET[a]	Location ID	LDW-SS51	LDW-SS53	DR120	DR121	LDW-SC25	LDW-SC25	LDW-SC25	LDW-SC25	LDW-SC25	LDW-SS44	DR054	DR090
					Sample ID	LDW-SS51-010	LDW-SS53-010	SD-DR120-0000	SD-DR121-0000	LDW-SC25-0-1	LDW-SC25-1-2	LDW-SC25-2-4	LDW-SC25-4-6	LDW-SC25-8-9.1	LDW-SS44-010	SD-DR054-0000	SD-DR090-0000
					Sample Date	1/18/2005	2/2/2005	8/12/1998	8/31/1998	2/17/2006	2/17/2006	2/17/2006	2/17/2006	2/17/2006	1/21/2005	8/12/1998	8/12/1998
					Sample Depth	0-10 cm	0-10 cm	0-10 cm	0-10 cm	0-1 feet	1-2 feet	2-4 feet	4-6 feet	8-9.1 feet	0-10 cm	0-10 cm	0-10 cm
						Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	Nav. Channel - AML
Butyl benzyl phthalate	4.9	64	--	--		1.3	0.95	0.72 U	1.3	1.4	2.2	3.7	--	--	0.43 U	1.7	1.4
Diethyl phthalate	61	110	--	--		0.31 U	0.76 U	0.72 U	0.84 U	3.5 U	4.1 U	3.6 U	--	--	0.72 U	0.85 U	0.94 U
Dimethyl phthalate	53	53	--	--		0.31 U	0.76 U	0.72 U	0.84 U	3.5 U	4.1 U	3.6 U	--	--	0.43 U	0.85 U	0.94 U
Di-n-butyl phthalate	220	1700	--	--		0.94 U	0.76 U	1.1	0.84 U	3.5 U	5.6 U	3.6 U	--	--	3.8 U	0.85 U	0.94 U
Di-n-octyl phthalate	58	4500	--	--		0.94 U	0.76 U	0.72 U	0.84 U	3.5 U	4.1 U	3.6 U	--	--	3.8 U	0.85 U	0.94 U
Phthalates (µg/kg dry weight)																	
Bis(2-ethylhexyl)phthalate	--	--	1300	1900		120 U	200	440	340	350	320	740	--	--	120	450	320
Butyl benzyl phthalate	--	--	63	900		28	25	20 U	30	27	32	62	--	--	6.6 U	40	30
Diethyl phthalate	--	--	200	1200		6.6 U	20 U	20 U	20 U	68 U	60 U	60 U	--	--	11 U	20 U	20 U
Dimethyl phthalate	--	--	71	160		6.6 U	20 U	20 U	20 U	68 U	60 U	60 U	--	--	6.6 U	20 U	20 U
Di-n-butyl phthalate	--	--	1400	5100		20 U	20 U	30	20 U	68 U	83 U	60 U	--	--	58 U	20 U	20 U
Di-n-octyl phthalate	--	--	6200	--		20 U	20 U	20 U	20 U	68 U	60 U	60 U	--	--	58 U	20 U	20 U
Phenols (µg/kg dry weight)																	
2-Chlorophenol	--	--	--	--		20 U	20 U	20 U	20 U	68 U	60 U	60 U	--	--	58 U	20 U	20 U
4-Chloro-3-methylphenol	--	--	--	--		98 U	99 U	40 U	40 U	340 U	300 U	300 U	--	--	290 U	40 U	40 U
2,4-Dichlorophenol	--	--	--	--		98 U	99 U	60 U	60 U	340 U	300 U	300 U	--	--	290 U	60 U	60 U
2,4-Dimethylphenol	29	29	--	--		6.6 U	20 U	20 U	20 U	6.8 UJ	6 UJ	7.8	--	--	6.6 U	20 U	20 U
2,4-Dinitrophenol	--	--	--	--		200 UJ	200 U	200 U	200 U	680 UJ	600 UJ	600 UJ	--	--	580 U	200 U	200 U
2-Methylphenol	63	63	--	--		6.6 U	20 U	20 U	20 U	4.1 J	6 U	8.4 J	--	--	6.6 U	20 U	20 U
4-Methylphenol	670	670	--	--		20 U	20 U	20 U	20 U	68 U	60 U	60 U	--	--	58 U	20 U	20 U
2,4,5-Trichlorophenol	--	--	--	--		98 U	99 U	200 U	200 U	340 U	300 U	300 U	--	--	290 U	200 U	200 U
2,4,6-Trichlorophenol	--	--	--	--		98 U	99 U	200 U	200 U	340 U	300 U	300 U	--	--	290 U	200 U	200 U
2-Nitrophenol	--	--	--	--		98 U	99 U	100 U	100 U	340 U	300 U	300 U	--	--	290 U	100 U	100 U
4-Nitrophenol	--	--	--	--		98 U	99 U	100 U	100 U	340 U	300 U	300 U	--	--	290 U	100 U	100 U
Pentachlorophenol	360	690	--	--		33 UJ	99 U	100 U	100 U	20 J	21 J	37 J	--	--	33 UJ	100 U	100 U
Phenol	420	1200	--	--		20 U	59 U	80	30	68 U	60 U	60 U	--	--	58 U	70	20 U
Misc Extractables (mg/kg organic carbon)																	
Dibenzofuran	15	58	--	--		0.94 U	0.76 U	12	0.84	3.5 U	4.1 U	3.3 J	--	--	3.8 U	0.85	0.94 U
Hexachlorobutadiene	3.9	6.2	--	--		0.31 U	0.038 U	0.72 U	0.84 U	0.35 U	0.41 U	0.36 U	--	--	0.43 U	0.85 U	0.94 U
N-Nitrosodiphenylamine	11	11	--	--		0.31 U	0.76 U	1.4 U	1.7 U	1.7 U	2.2 U	3.4 U	--	--	0.43 U	1.7 U	1.9 U
Misc Extractables (µg/kg dry weight)																	
2-Nitroaniline	--	--	--	--		98 U	99 U	100 U	100 U	340 U	300 U	300 U	--	--	290 U	100 U	100 U
3-Nitroaniline	--	--	--	--		98 U	99 U	200 U	200 U	340 UJ	300 UJ	300 UJ	--	--	290 U	200 U	200 U
4-Nitroaniline	--	--	--	--		98 U	99 U	100 U	100 U	340 U	300 U	300 U	--	--	290 U	100 U	100 U
3,3'-Dichlorobenzidine	--	--	--	--		98 U	99 U	200 U	200 U	340 UJ	300 UJ	300 UJ	--	--	290 U	200 U	200 U
4-Chloroaniline	--	--	--	--		98 U	99 U	60 U	60 U	340 UJ	300 UJ	300 UJ	--	--	290 U	60 U	60 U
Aniline	--	--	--	--		20 U	20 U	--	--	68 UJ	60 UJ	60 UJ	--	--	58 U	--	--
Benzyl alcohol	57	73	--	--		20 UJ	20 U	50 U	50 U	26 J	19 J	20 J	--	--	33 U	50 U	50 U
Benzoic acid	650	650	--	--		66 U	200 U	200 U	200 U	75 UJ	60 UJ	77 U	--	--	66 U	200 U	200 U
Carbazole	--	--	--	--		20 U	26	320	20	--	--	--	--	--	58 U	30	30
Dibenzofuran	--	--	540	700		20 U	20 U	320	20	68 U	60 U	56 J	--	--	58 U	20	20 U
Hexachlorobutadiene	--	--	11	120		6.6 U	0.99 U	20 U	20 U	6.8 U	6 U	6 U	--	--	6.6 U	20 U	20 U
Hexachloroethane	--	--	--	--		20 U	20 U	20 U	20 U	68 U	60 U	60 U	--	--	58 U	20 U	20 U
Hexachlorocyclopentadiene	--	--	--	--		98 U	99 U	100 UJ	100 UJ	340 UJ	300 UJ	300 UJ	--	--	290 U	100 U	100 U
Isophorone	--	--	--	--		20 U	20 U	20 U	20 U	68 U	60 U	60 U	--	--	58 U	20 U	20 U
N-Nitroso-di-n-propylamine	--	--	--	--		33 U	99 U	40 U	40 U	34 UJ	30 UJ	30 U	--	--	33 U	40 U	40 U
N-Nitrosodimethylamine	--	--	--	--		33 U	99 U	--	--	34 U	30 U	30 U	--	--	33 U	--	--
N-Nitrosodiphenylamine	--	--	28	40		6.6 U	20 U	40 U	40 U	33 U	32 U	58 U	--	--	6.6 U	40 U	40 U
Ethers (µg/kg dry weight)																	
4-Bromophenyl phenyl ether	--	--	--	--		20 U	20 U	40 U	40 U	68 U	60 U	60 U	--	--	58 U	40 U	40 U

Table H-2
Summary of Available Lower Duwamish Waterway Sediment Concentrations – Adjacent to Duwamish Shipyard Property

Analyte Group	SMS SQS	SMS CSL	SMS LAET[a]	SMS 2LAET[a]	Location ID	LDW-SS51	LDW-SS53	DR120	DR121	LDW-SC25	LDW-SC25	LDW-SC25	LDW-SC25	LDW-SC25	LDW-SS44	DR054	DR090
					Sample ID	LDW-SS51-010	LDW-SS53-010	SD-DR120-0000	SD-DR121-0000	LDW-SC25-0-1	LDW-SC25-1-2	LDW-SC25-2-4	LDW-SC25-4-6	LDW-SC25-8-9.1	LDW-SS44-010	SD-DR054-0000	SD-DR090-0000
					Sample Date	1/18/2005	2/2/2005	8/12/1998	8/31/1998	2/17/2006	2/17/2006	2/17/2006	2/17/2006	2/17/2006	1/21/2005	8/12/1998	8/12/1998
					Sample Depth	0-10 cm	0-10 cm	0-10 cm	0-10 cm	0-1 feet	1-2 feet	2-4 feet	4-6 feet	8-9.1 feet	0-10 cm	0-10 cm	0-10 cm
						Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	Nav. Channel - AML
4-Chlorophenyl phenyl ether	--	--	--	--		20 U	20 U	20 U	20 U	68 U	60 U	60 U	--	--	58 U	20 U	20 U
bis(2-chloroethyl)ether	--	--	--	--		20 U	20 U	40 U	40 U	68 U	60 U	60 U	--	--	58 U	40 U	40 U
bis(2-chloroisopropyl)ether	--	--	--	--		20 U	20 U	40 U	40 U	68 U	60 U	60 U	--	--	58 U	40 U	40 U
Pesticides (µg/kg dry weight)																	
2,4'-DDD	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
2,4'-DDE	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
2,4'-DDT	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
4,4'-DDD	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
4,4'-DDE	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
4,4'-DDT	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
Oxychlordane	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
alpha-Endosulfan	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
beta-Endosulfan	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
Endrin	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
Total aldrin/dieldrin (calc'd)	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
DDTs (total-calc'd)	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
Total Chlordane (calc'd)	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
Herbicides (µg/kg dry weight)																	
Methoxychlor	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyl (PCB) Aroclors (mg/kg organic carbon)																	
PCBs (total calc'd)	12	65	--	--		7.3 J	8.3	6.8	4.1	**16**	**24**	**25**	**49 J**	--	6.7 J	4.1	3.1
PCB Aroclors (µg/kg dry weight)																	
Aroclor-1016	--	--	--	--		20 UJ	20 U	20 UJ	20 U	20 U	20 U	20 U	3.9 U	3.9 U	20 U	20 UJ	20 UJ
Aroclor-1221	--	--	--	--		20 UJ	20 U	40 U	40 U	20 U	20 U	20 U	3.9 U	3.9 U	20 U	40 U	40 U
Aroclor-1232	--	--	--	--		20 UJ	20 U	20 U	20 U	20 U	20 U	20 U	3.9 U	3.9 U	20 U	20 U	20 U
Aroclor-1242	--	--	--	--		25 J	60 U	20 U	20 U	20 U	20 U	20 U	78 J	3.9 U	24 J	20 U	20 U
Aroclor-1248	--	--	--	--		20 UJ	70 U	20 U	20 U	55	64	82	3.9 U	3.9 U	20 U	20 U	20 U
Aroclor-1254	--	--	--	--		72	120	92	46	140	170	200	470	3.9 U	45	50	39
Aroclor-1260	--	--	--	--		58	95	96	52	110	130	150	250	3.9 U	34	47	27
PCBs (total calc'd)	--	--	130	1000		155 J	220	188	98	310	360	430	800 J	3.9 U	103 J	97	66
PCBs Congeners (ng/kg dry weight)																	
PCB-018	--	--	--	--		--	--	1000 UJ	1000 UJ	--	--	--	--	--	--	1000 UJ	1000 UJ
PCB-028	--	--	--	--		--	--	2000 J	1000 J	--	--	--	--	--	--	2000 J	1000 J
PCB-044	--	--	--	--		--	--	3000 J	1000 J	--	--	--	--	--	--	1000 J	1000 J
PCB-055	--	--	--	--		--	--	4000 J	2000 J	--	--	--	--	--	--	2000 J	2000 J
PCB-066	--	--	--	--		--	--	10000 U	2000 UJ	--	--	--	--	--	--	6000 U	4000 U

Table H-2
Summary of Available Lower Duwamish Waterway Sediment Concentrations – Adjacent to Duwamish Shipyard Property

Analyte Group	SMS SQS	SMS CSL	SMS LAET[a]	SMS 2LAET[a]	Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - DSI	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	Nav. Channel - AML
Location ID					LDW-SS51	LDW-SS53	DR120	DR121	LDW-SC25	LDW-SC25	LDW-SC25	LDW-SC25	LDW-SC25	LDW-SS44	DR054	DR090
Sample ID					LDW-SS51-010	LDW-SS53-010	SD-DR120-0000	SD-DR121-0000	LDW-SC25-0-1	LDW-SC25-1-2	LDW-SC25-2-4	LDW-SC25-4-6	LDW-SC25-8-9.1	LDW-SS44-010	SD-DR054-0000	SD-DR090-0000
Sample Date					1/18/2005	2/2/2005	8/12/1998	8/31/1998	2/17/2006	2/17/2006	2/17/2006	2/17/2006	2/17/2006	1/21/2005	8/12/1998	8/12/1998
Sample Depth					0-10 cm	0-10 cm	0-10 cm	0-10 cm	0-1 feet	1-2 feet	2-4 feet	4-6 feet	8-9.1 feet	0-10 cm	0-10 cm	0-10 cm
PCB-077	--	--	--	--	--	--	1000 U	1000 UJ	--	--	--	--	--	--	1000 U	1000 U
PCB-081	--	--	--	--	--	--	1000 UJ	1000 U	--	--	--	--	--	--	1000 UJ	1000 UJ
PCB-090	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-101	--	--	--	--	--	--	5000 J	3000 J	--	--	--	--	--	--	3000 J	2000 J
PCB-105	--	--	--	--	--	--	3000 J	1000 J	--	--	--	--	--	--	2000 J	1000 UJ
PCB-110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-114	--	--	--	--	--	--	1000 UJ	1000 UJ	--	--	--	--	--	--	1000 UJ	1000 UJ
PCB-118	--	--	--	--	--	--	7000	3000 J	--	--	--	--	--	--	3000	2000
PCB-123	--	--	--	--	--	--	2000 UJ	1000 UJ	--	--	--	--	--	--	1000 UJ	1000 UJ
PCB-126	--	--	--	--	--	--	1000 U	1000 UJ	--	--	--	--	--	--	1000 U	1000 U
PCB-128	--	--	--	--	--	--	2000 J	1000 UJ	--	--	--	--	--	--	1000 J	1000 UJ
PCB-129	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-138	--	--	--	--	--	--	13000 J	7000 J	--	--	--	--	--	--	8000 J	5000 UJ
PCB-153	--	--	--	--	--	--	9000 J	5000 J	--	--	--	--	--	--	6000 J	3000 J
PCB-156	--	--	--	--	--	--	2000 J	1000 UJ	--	--	--	--	--	--	1000 UJ	1000 UJ
PCB-157	--	--	--	--	--	--	1000 UJ	1000 UJ	--	--	--	--	--	--	1000 UJ	1000 UJ
PCB-167	--	--	--	--	--	--	1000 UJ	1000 UJ	--	--	--	--	--	--	1000 UJ	1000 UJ
PCB-169	--	--	--	--	--	--	1000 U	1000 U	--	--	--	--	--	--	1000 U	1000 U
PCB-170	--	--	--	--	--	--	4000 J	2000 J	--	--	--	--	--	--	3000 J	1000 UJ
PCB-180	--	--	--	--	--	--	8000 J	4000 J	--	--	--	--	--	--	4000 J	2000 J
PCB-187	--	--	--	--	--	--	5000 J	3000 J	--	--	--	--	--	--	3000 J	1000 J
PCB-189	--	--	--	--	--	--	1000 UJ	1000 UJ	--	--	--	--	--	--	1000 UJ	1000 UJ
PCB-195	--	--	--	--	--	--	1000 J	1000 UJ	--	--	--	--	--	--	1000 UJ	1000 UJ
PCB-206	--	--	--	--	--	--	1000	1000 UJ	--	--	--	--	--	--	1000 U	1000 U
PCB-209	--	--	--	--	--	--	1000 U	1000 UJ	--	--	--	--	--	--	1000 U	1000 U
PCB Toxic Equivalents Quotient(TEQ) - Bird - Half	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB TEQ - Mammal - Half DL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxin/Furans (ng/kg dry weight)																
1,2,3,4,6,7,8-HpCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxin/furan TEQ - Bird - Half DL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxin/furan TEQ - Fish Sheboygan - Half DL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxin/furan TEQ - Fish WHO - Half DL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxin/furan TEQ - Mammal WHO 1998 - Half DL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
					--	--	--	--	--	--	--	--	--	--	--	--

Table H-2
Summary of Available Lower Duwamish Waterway Sediment Concentrations – Adjacent to Duwamish Shipyard Property

Analyte Group	SMS SQS	SMS CSL	SMS LAET[a]	SMS 2LAET[a]	Location ID	SS-1	SS-2	SS-3	SS-4
					Sample ID	SS-1	SS-2	SS-3	SS-4
					Sample Date	8/17/1993	8/17/1993	8/17/1993	8/17/1993
					Sample Depth	0-8 cm	0-8 cm	0-5 cm	0-10 cm
						West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML
Sediment Grain Size (Percent)									
Rocks (total calc'd)	--	--	--	--					
Sand (total calc'd)	--	--	--	--		29	57	19	17
Silt (total calc'd)	--	--	--	--		55	27	52	60
Clay (total calc'd)	--	--	--	--		16	16	29	22
Fines (percent silt+clay)	--	--	--	--					
Conventional Parameters									
Total Organic Carbon (TOC)	--	--	--	--		1.9	2.74	2.35	1.54
Total solids	--	--	--	--		47.3	67.13	49.1	49.5
Total solids (preserved)	--	--	--	--		--	--	--	--
Ammonia (total as nitrogen)	--	--	--	--		--	--	--	--
Sulfides (total)	--	--	--	--		--	--	--	--
Metals (mg/kg dry weight)									
Aluminum	--	--	--	--		--	--	--	--
Antimony	--	--	--	--		3.1 J	120 J	5 J	29 J
Arsenic	57	93	--	--		41	1130	75	120
Barium	--	--	--	--		--	--	--	--
Beryllium	--	--	--	--		0.4	0.7	0.4	0.6
Cadmium	5.1	6.7	--	--		0.7	3.5	0.6	1.5
Calcium	--	--	--	--		--	--	--	--
Chromium	260	270	--	--		44	145	51	48
Cobalt	--	--	--	--		--	--	--	--
Copper	390	390	--	--		361 J	1970 J	507 J	247 J
Iron	--	--	--	--		--	--	--	--
Lead	450	530	--	--		109 J	854 J	144 J	102 J
Magnesium	--	--	--	--		--	--	--	--
Manganese	--	--	--	--		--	--	--	--
Mercury	0.41	0.59	--	--		0.27	0.35	.3 J	0.25
Molybdenum	--	--	--	--		--	--	--	--
Nickel	--	--	--	--		31	59	32	34
Potassium	--	--	--	--		--	--	--	--
Selenium	--	--	--	--		0.2 U	0.9	.2 U	.2 U
Silver	6.1	6.1	--	--		0.6 U	1 U	.6 U	.6 U
Sodium	--	--	--	--		--	--	--	--
Thallium	--	--	--	--		1 U	.8 U	1 U	1 U
Tin	--	--	--	--		--	--	--	--
Vanadium	--	--	--	--		--	--	--	--
Zinc	410	960	--	--		335 J	4440 J	418 J	526 J
Organometallic Compounds (µg/kg dry weight)									
Monobutyltin as ion	--	--	--	--		6 UJ	1.2 UJ	18.8 J	4.6 J
Dibutyltin as ion	--	--	--	--		58.3 J	171.9 J	85.9 J	38.5 J
Tributyltin as ion	--	--	--	--		226 J	431.7 J	418.1 J	159.1 J
Tetrabutyltin as ion	--	--	--	--		--	--	--	--
Polycyclic Aromatic Hydrocarbons (PAHs; mg/kg organic carbon)									
2-Methylnaphthalene	38	64	--	--		4.2	6.9	3.3 U	4.8 U
Acenaphthylene	66	66	--	--		2.6 J	3.6	3.3 U	4.8 U
Acenaphthene	16	57	--	--		14	30.7	3.2 J	4.8 U
Anthracene	220	1200	--	--		11	51.1	13.2	9.7
Benzo(a)anthracene	110	270	--	--		58	83.9	31.5	24.7
Benzo(a)pyrene	99	210	--	--		41	51.1	27.2	24

Table H-2
Summary of Available Lower Duwamish Waterway Sediment Concentrations – Adjacent to Duwamish Shipyard Property

Analyte Group	SMS SQS	SMS CSL	SMS LAET[a]	SMS 2LAET[a]	Location ID	SS-1	SS-2	SS-3	SS-4
					Sample ID	SS-1	SS-2	SS-3	SS-4
					Sample Date	8/17/1993	8/17/1993	8/17/1993	8/17/1993
					Sample Depth	0-8 cm	0-8 cm	0-5 cm	0-10 cm
						West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML
Benzo(g,h,i)perylene	31	78	--	--		24	28.1	12.8	14.9
Chrysene	110	460	--	--		84	109.5	51.1	36.4
Dibenzo(a,h)anthracene	12	33	--	--		8.9	9.1	4.7	5.2
Fluoranthene	160	1200	--	--		2.1 J	354	89.4	63.6
Fluorene	23	79	--	--		22 U	43.8	4.3	2.9 J
Indeno(1,2,3-cd)pyrene	34	88	--	--		32	40.1	21.3	20.1
Naphthalene	99	170	--	--		3.6 J	5.5	1.7 J	4.8 U
Phenanthrene	100	480	--	--		**100**	**259.1**	**26.8**	**26.6**
Pyrene	1000	1400	--	--		110	222.6	63.8	49.4
Benzofluoranthenes (total-calc'd)	230	450	--	--		110		67.2	53.3
Total LPAH (calc'd)	370	780	--	--		130 J	393.8	52.4 J	53.7 J
Total HPAH (calc'd)	960	5300	--	--		470 J	998.2	356.2	276.6
PAHs (µg/kg dry weight)									
1-Methylnaphthalene	--	--	--	--		--	--	--	--
2-Methylnaphthalene	--	--	670	1400		79	190	77 U	74 U
Acenaphthylene	--	--	1300	1300		49 J	100	77 U	74 U
Acenaphthene	--	--	500	730		270	840	75 J	74 U
Anthracene	--	--	960	4400		200	51100	310	150
Benzo(a)anthracene	--	--	1300	1600		1100	2300	740	380
Benzo(a)pyrene	--	--	1600	3000		780	1400	640	370
Benzo(e)pyrene	--	--	--	--					
Benzo(b)fluoranthene	--	--	--	--		1000	1800	740	460
Benzo(k)fluoranthene	--	--	--	--		1100	1700	840	360
Benzo(g,h,i)perylene	--	--	670	720		450	770	300	230
Chrysene	--	--	1400	2800		1600	3000	1200	560
Dibenzo(a,h)anthracene	--	--	230	540		170	250	110	80
Fluoranthene	--	--	1700	2500		40 J	9700	2100	980
Fluorene	--	--	540	1000		420 U	1200	100	45 J
Indeno(1,2,3-cd)pyrene	--	--	600	690		610	1100	500	310
Naphthalene	--	--	2100	2400		69 J	150	39 J	74 U
Phenanthrene	--	--	1500	5400		1900	259100	630	410
Pyrene	--	--	2600	3300		2100	6100	1500	760
Benzofluoranthenes (total-calc'd)	--	--	3200	3600		2100			
Total LPAH (calc'd)	--	--	5200	13000		2490 J	10790	1231 J	827 J
Total HPAH (calc'd)	--	--	12000	17000		8950 J	27350	8370	4260
Total PAH (calc'd)	--	--	--	--		11440 J	38140	9601	5087
Benzenes (mg/kg organic carbon)									
1,2-Dichlorobenzene	2.3	2.3	--	--		***4.1 U***	***2.8 U***	***3.3 U***	***4.8 U***
1,4-Dichlorobenzene	3.1	9	--	--		**4.1 U**	***2.8 U***	***3.3 U***	***4.8 U***
1,2,4-Trichlorobenzene	0.81	1.8	--	--		***4.1 U***	***2.8 U***	***3.3 U***	***4.8 U***
Hexachlorobenzene	0.38	2.3	--	--		***4.1 U***	***2.8 U***	***3.3 U***	***4.8 U***
Benzenes (µg/kg dry weight)									
1,2-Dichlorobenzene	--	--	35	50		77 U	78 U	77 U	74 U
1,3-Dichlorobenzene	--	--	--	--		77 U	78 U	77 U	74 U
1,4-Dichlorobenzene	--	--	110	120		77 U	78 U	77 U	74 U
1,2,4-Trichlorobenzene	--	--	31	51		77 U	78 U	77 U	74 U
Hexachlorobenzene	--	--	22	70		77 U	78 U	77 U	74 U
Nitrobenzene	--	--	--	--		77 U			
Phthalates (mg/kg organic carbon)									
Bis(2-ethylhexyl)phthalate	47	78	--	--		**53**	**65.7**	**40.4**	**142.9**

Table H-2
Summary of Available Lower Duwamish Waterway Sediment Concentrations – Adjacent to Duwamish Shipyard Property

Analyte Group	SMS SQS	SMS CSL	SMS LAET[a]	SMS 2LAET[a]	Location ID	SS-1	SS-2	SS-3	SS-4
					Sample ID	SS-1	SS-2	SS-3	SS-4
					Sample Date	8/17/1993	8/17/1993	8/17/1993	8/17/1993
					Sample Depth	0-8 cm	0-8 cm	0-5 cm	0-10 cm
						West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML
Butyl benzyl phthalate	4.9	64	--	--		**5.1**	**2.8 U**	**5.1**	**4.8 U**
Diethyl phthalate	61	110	--	--		4.1 U	2.8 U	3.3 U	4.8 U
Dimethyl phthalate	53	53	--	--		2.5 J	2.8 U	3.3 U	4.8 U
Di-n-butyl phthalate	220	1700	--	--		44	2.8 U	3.3 U	4.8 U
Di-n-octyl phthalate	58	4500	--	--		4.1 U	2.8 U	3.3 U	4.8 U
Phthalates (µg/kg dry weight)									
Bis(2-ethylhexyl)phthalate	--	--	1300	1900		1000	1800	950	2200
Butyl benzyl phthalate	--	--	63	900		96	78 U	120	74 U
Diethyl phthalate	--	--	200	1200		77 U	78 U	77 U	74 U
Dimethyl phthalate	--	--	71	160		48 J	78 U	77 U	74 U
Di-n-butyl phthalate	--	--	1400	5100		830	78 U	77 U	74 U
Di-n-octyl phthalate	--	--	6200	--		77 U	78 U	77 U	74 U
Phenols (µg/kg dry weight)									
2-Chlorophenol	--	--	--	--		77 U			
4-Chloro-3-methylphenol	--	--	--	--		150 U			
2,4-Dichlorophenol	--	--	--	--		230 U			
2,4-Dimethylphenol	29	29	--	--		***77 U***			
2,4-Dinitrophenol	--	--	--	--		770 U			
2-Methylphenol	63	63	--	--		***77 U***			
4-Methylphenol	670	670	--	--		77 U			
2,4,5-Trichlorophenol	--	--	--	--		380 U			
2,4,6-Trichlorophenol	--	--	--	--		380 U			
2-Nitrophenol	--	--	--	--		380 U			
4-Nitrophenol	--	--	--	--		380 U			
Pentachlorophenol	360	690	--	--		**380 U**			
Phenol	420	1200	--	--		72 J			
Misc Extractables (mg/kg organic carbon)									
Dibenzofuran	15	58	--	--		13	24.1	2.8 J	4.8 U
Hexachlorobutadiene	3.9	6.2	--	--		**4.1 U**	**2.8 U**	**3.3 U**	**4.8 U**
N-Nitrosodiphenylamine	11	11	--	--		4.1 U	2.8 U	3.3 U	4.8 U
Misc Extractables (µg/kg dry weight)									
2-Nitroaniline	--	--	--	--		380 U			
3-Nitroaniline	--	--	--	--		380 U			
4-Nitroaniline	--	--	--	--		380 U			
3,3'-Dichlorobenzidine	--	--	--	--		380 U			
4-Chloroaniline	--	--	--	--		230 U			
Aniline	--	--	--	--		--	--	--	--
Benzyl alcohol	57	73	--	--		***77 U***	78 U	***77 U***	***74 U***
Benzoic acid	650	650	--	--		***770 U***	780 U	***770 U***	***740 U***
Carbazole	--	--	--	--		77 U			
Dibenzofuran	--	--	540	700		250	660	66 J	74 U
Hexachlorobutadiene	--	--	11	120		77 U			
Hexachloroethane	--	--	--	--		77 U			
Hexachlorocyclopentadiene	--	--	--	--		380 U			
Isophorone	--	--	--	--		77 U			
N-Nitroso-di-n-propylamine	--	--	--	--		77 U			
N-Nitrosodimethylamine	--	--	--	--		--	--	--	--
N-Nitrosodiphenylamine	--	--	28	40		770 U	78 U	3.3 U	74 U
Ethers (µg/kg dry weight)									
4-Bromophenyl phenyl ether	--	--	--	--		77 U			

Table H-2
Summary of Available Lower Duwamish Waterway Sediment Concentrations – Adjacent to Duwamish Shipyard Property

Analyte Group	SMS SQS	SMS CSL	SMS LAET[a]	SMS 2LAET[a]	Location ID	SS-1	SS-2	SS-3	SS-4
					Sample ID	SS-1	SS-2	SS-3	SS-4
					Sample Date	8/17/1993	8/17/1993	8/17/1993	8/17/1993
					Sample Depth	0-8 cm	0-8 cm	0-5 cm	0-10 cm
						West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML
4-Chlorophenyl phenyl ether	--	--	--	--		77 U			
bis(2-chloroethyl)ether	--	--	--	--		77 U			
bis(2-chloroisopropyl)ether	--	--	--	--		77 U			
Pesticides (µg/kg dry weight)									
2,4'-DDD	--	--	--	--		--	--	--	--
2,4'-DDE	--	--	--	--		--	--	--	--
2,4'-DDT	--	--	--	--		--	--	--	--
4,4'-DDD	--	--	--	--		--	--	--	--
4,4'-DDE	--	--	--	--		--	--	--	--
4,4'-DDT	--	--	--	--		--	--	--	--
Aldrin	--	--	--	--		--	--	--	--
alpha-Chlordane	--	--	--	--		--	--	--	--
alpha-BHC	--	--	--	--		--	--	--	--
beta-BHC	--	--	--	--		--	--	--	--
delta-BHC	--	--	--	--		--	--	--	--
gamma-BHC	--	--	--	--		--	--	--	--
gamma-Chlordane	--	--	--	--		--	--	--	--
Oxychlordane	--	--	--	--		--	--	--	--
Dieldrin	--	--	--	--		--	--	--	--
alpha-Endosulfan	--	--	--	--		--	--	--	--
beta-Endosulfan	--	--	--	--		--	--	--	--
Endosulfan sulfate	--	--	--	--		--	--	--	--
Endrin	--	--	--	--		--	--	--	--
Endrin aldehyde	--	--	--	--		--	--	--	--
Endrin ketone	--	--	--	--		--	--	--	--
Heptachlor	--	--	--	--		--	--	--	--
Heptachlor epoxide	--	--	--	--		--	--	--	--
Toxaphene	--	--	--	--		--	--	--	--
Total aldrin/dieldrin (calc'd)	--	--	--	--		--	--	--	--
DDTs (total-calc'd)	--	--	--	--		--	--	--	--
Total Chlordane (calc'd)	--	--	--	--		--	--	--	--
Herbicides (µg/kg dry weight)									
Methoxychlor	--	--	--	--		--	--	--	--
Polychlorinated Biphenyl (PCB) Aroclors (mg/kg organic carbon)									
PCBs (total calc'd)	12	65	--	--		--	--	--	--
PCB Aroclors (µg/kg dry weight)									
Aroclor-1016	--	--	--	--		--	--	--	--
Aroclor-1221	--	--	--	--		--	--	--	--
Aroclor-1232	--	--	--	--		--	--	--	--
Aroclor-1242	--	--	--	--		--	--	--	--
Aroclor-1248	--	--	--	--		--	--	--	--
Aroclor-1254	--	--	--	--		--	--	--	--
Aroclor-1260	--	--	--	--		--	--	--	--
PCBs (total calc'd)	--	--	130	1000		--	--	--	--
PCBs Congeners (ng/kg dry weight)									
PCB-018	--	--	--	--		--	--	--	--
PCB-028	--	--	--	--		--	--	--	--
PCB-044	--	--	--	--		--	--	--	--
PCB-055	--	--	--	--		--	--	--	--
PCB-066	--	--	--	--		--	--	--	--

Table H-2
Summary of Available Lower Duwamish Waterway Sediment Concentrations – Adjacent to Duwamish Shipyard Property

Analyte Group	SMS SQS	SMS CSL	SMS LAET[a]	SMS 2LAET[a]	Location ID	SS-1	SS-2	SS-3	SS-4
					Sample ID	SS-1	SS-2	SS-3	SS-4
					Sample Date	8/17/1993	8/17/1993	8/17/1993	8/17/1993
					Sample Depth	0-8 cm	0-8 cm	0-5 cm	0-10 cm
						West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML	West Nav. Channel - AML
PCB-077	--	--	--	--		--	--	--	--
PCB-081	--	--	--	--		--	--	--	--
PCB-090	--	--	--	--		--	--	--	--
PCB-101	--	--	--	--		--	--	--	--
PCB-105	--	--	--	--		--	--	--	--
PCB-110	--	--	--	--		--	--	--	--
PCB-114	--	--	--	--		--	--	--	--
PCB-118	--	--	--	--		--	--	--	--
PCB-123	--	--	--	--		--	--	--	--
PCB-126	--	--	--	--		--	--	--	--
PCB-128	--	--	--	--		--	--	--	--
PCB-129	--	--	--	--		--	--	--	--
PCB-138	--	--	--	--		--	--	--	--
PCB-153	--	--	--	--		--	--	--	--
PCB-156	--	--	--	--		--	--	--	--
PCB-157	--	--	--	--		--	--	--	--
PCB-167	--	--	--	--		--	--	--	--
PCB-169	--	--	--	--		--	--	--	--
PCB-170	--	--	--	--		--	--	--	--
PCB-180	--	--	--	--		--	--	--	--
PCB-187	--	--	--	--		--	--	--	--
PCB-189	--	--	--	--		--	--	--	--
PCB-195	--	--	--	--		--	--	--	--
PCB-206	--	--	--	--		--	--	--	--
PCB-209	--	--	--	--		--	--	--	--
PCB Toxic Equivalents Quotient(TEQ) - Bird - Half I	--	--	--	--		--	--	--	--
PCB TEQ - Mammal - Half DL	--	--	--	--		--	--	--	--
Dioxin/Furans (ng/kg dry weight)									
1,2,3,4,6,7,8-HpCDD	--	--	--	--		--	--	--	--
1,2,3,4,6,7,8-HpCDF	--	--	--	--		--	--	--	--
1,2,3,4,7,8,9-HpCDF	--	--	--	--		--	--	--	--
1,2,3,4,7,8-HxCDD	--	--	--	--		--	--	--	--
1,2,3,4,7,8-HxCDF	--	--	--	--		--	--	--	--
1,2,3,6,7,8-HxCDD	--	--	--	--		--	--	--	--
1,2,3,6,7,8-HxCDF	--	--	--	--		--	--	--	--
1,2,3,7,8,9-HxCDD	--	--	--	--		--	--	--	--
1,2,3,7,8,9-HxCDF	--	--	--	--		--	--	--	--
1,2,3,7,8-PeCDD	--	--	--	--		--	--	--	--
1,2,3,7,8-PeCDF	--	--	--	--		--	--	--	--
2,3,4,6,7,8-HxCDF	--	--	--	--		--	--	--	--
2,3,4,7,8-PeCDF	--	--	--	--		--	--	--	--
2,3,7,8-TCDD	--	--	--	--		--	--	--	--
2,3,7,8-TCDF	--	--	--	--		--	--	--	--
OCDD	--	--	--	--		--	--	--	--
OCDF	--	--	--	--		--	--	--	--
Dioxin/furan TEQ - Bird - Half DL	--	--	--	--		--	--	--	--
Dioxin/furan TEQ - Fish Sheboygan - Half DL	--	--	--	--		--	--	--	--
Dioxin/furan TEQ - Fish WHO - Half DL	--	--	--	--		--	--	--	--
Dioxin/furan TEQ - Mammal WHO 1998 - Half DL	--	--	--	--		--	--	--	--
						--	--	--	--

Table H-2
Summary of Available Lower Duwamish Waterway Sediment Concentrations – Adjacent to Duwamish Shipyard Property

Notes:

a = The sample concentration was compared to the SMS LAET and 2LAET criteria if the percent TOC was below 0.5 percent

Non-detected concentration above either the SMS SQS and/or Cleanup Screening Level (CSL) criteria

Bold Detected concentration greater than or equal to SMS SQS and less than SMS Cleanup Screening Level (CSL) criteria

Bold Detected concentration greater than or equal to SMS CSL criteria

µg/kg = micrograms per kilogram

-- = no numerical criterion of this type or sample not analyzed for this chemical

2LAET = second lowest apparent effects threshold

AML = Alaska Marine Lines

C = The metal analyte is estimated below the reporting limit

cm = centimeters

CSL = cleanup screening level

DSI = Duwamish Shipyard, Inc.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

LAET = lowest apparent effects threshold

mg/kg = milligrams per kilogram

ng/kg = nanograms per kilogram

PAH = polycyclic aromatic hydrocarbon

PCB = polychlorinated biphenyl

SMS = Sediment Management Standards

SQS = Sediment Quality Standards

TEQ = toxic equivalent quotient

U = The analyte was analyzed for, but not detected above the method reporting limit

UJ = The analyte was not detected at the estimated detection limit

Table H-3
PCB Aroclor Data for Glacier/Reichhold Site RI Soil Samples Adjacent to DSI

Station ID	Sample Type	Sample Depth	Total PCB Aroclors (U = 0)	
GP-27	Soil	4.3–6.3 feet	1.3 U	µg/kg
GP-27	Soil	6.3–8.3 feet	1.3 U	µg/kg
GP-28	Soil	4.1–6.1 feet	**6.3**	µg/kg
GP-28	Soil	6.1–8.3 feet	1.3 U	µg/kg
GP-31	Soil	5.9–7.9 feet	4.8 U	µg/kg
GP-32	Soil	0.25–2.25 feet	**20**	µg/kg
GP-32	Soil	6.1–8.1 feet	1.3 U	µg/kg
GP-33	Soil	5.9–8.3 feet	1.3 U	µg/kg
GP-34	Soil	6.4–8.4 feet	1.3 U	µg/kg
GP-61	Soil	4.5–7.5 feet	1.3 U	µg/kg
GP-61	Soil	7.5–8.5 feet	1.3 U	µg/kg
GP-62	Soil	5–6.7 feet	1.3 U	µg/kg
GP-62	Soil	6.7–7.7 feet	1.3 U	µg/kg
MW-29S	Soil	0–2 feet	**158**	µg/kg
MW-31S	Soil	5–6 feet	1.6 U	µg/kg
TB-01	Soil	5–6.9 feet	**11.8**	µg/kg
TB-01	Soil	6.9–7.9 feet	1.5 U	µg/kg

Notes:
Results queried from Washington State Department of Ecology's EIM database in April 2018.
Sample locations are shown on Figures 7-1k and 7-1l.
Total PCB Aroclors calculated using U = 0.
bold = detected result
µg/kg = micrograms per kilogram
EIM = Environmental Information Management
PCB = polychlorinated biphenyl
U = nondetect

Table H-4
PCB Aroclor Data from Nearby Outfalls

Outfall ID	2128	2127	2127	2127	2127	2127	2127	2127	2127
Location ID	SPU-CB165	SPU-KN-ST1	SPU-KN-ST1	SPU-KN-ST1	SPU-KN-ST1	SPU-KN-ST1	SPU-KN-ST1	SPU-KN-ST1	SPU-KN-ST1
Other Outfall Names	CB165; Liedos L1801	SW Kenny St SD/County CSO; Leidos L1802	SW Kenny St SD/County CSO; Leidos L1802	SW Kenny St SD/County CSO; Leidos L1802	SW Kenny St SD/County CSO; Leidos L1802	SW Kenny St SD/County CSO; Leidos L1802	SW Kenny St SD/County CSO; Leidos L1802	SW Kenny St SD/County CSO; Leidos L1802	SW Kenny St SD/County CSO; Leidos L1802
Sample Type	In-line solids	In-line sediment trap/SPM	In-line sediment (grab)	In-line sediment trap/SPM	In-line sediment (grab)	In-line sediment trap/SPM	In-line sediment (grab)	In-line sediment trap/SPM	In-line sediment trap/SPM
Sample Date	9/12/2011	3/17/2009	11/18/2010	6/20/2012	6/20/2012	4/25/2013	4/25/2013	6/30/2014	5/10/2016
Source of Data	SPU Tracer Study	SPU Tracer Study	SPU Tracer Study	SPU Tracer Study	SPU Tracer Study	SPU Tracer Study	SPU Tracer Study	SPU Tracer Study	SPU Tracer Study
Polychlorinated Biphenyl (PCB) Aroclors, µg/kg									
Aroclor 1016	20 U	19 U	20 U	18 U	18 U	20 U	19 U	19 U	18 U
Aroclor 1221	20 U	19 U	20 U	18 U	18 U	20 U	19 U	19 U	18 U
Aroclor 1232	20 U	19 U	20 U	18 U	18 U	20 U	19 U	19 U	18 U
Aroclor 1242	20 U	19 U	20 U	18 U	18 U	20 U	19 U	19 U	18 U
Aroclor 1248	**160**	**51**	**83**	**52**	18 U	30 U	97 U	38 U	36 U
Aroclor 1254	**92**	**71**	**120**	**77**	18 U	**69**	**370**	**100**	**60**
Aroclor 1260	**61**	**65**	**200**	**50**	18 U	**24**	**340**	**55**	**23**
Total PCB Aroclors (U=0)	**313**	**187**	**403**	**179**	18 U	**93**	**710**	**155**	**83**

Notes:
Results queried from Washington State Department of Ecology's EIM database in April 2018.
Sample locations are shown on Figures 2-2 and 7-4.
Total PCB Aroclors calculated using U = 0
bold = detected result
µg/kg = micrograms per kilogram
CSO = combined sewer overflow
EIM = Environmental Information Management
PCB = polychlorinated biphenyl
SPU = Seattle Public Utilities
SPM = settling particulate matter
U = nondetect

APPENDIX I
ECOLOGY COMMENTS AND EXTENSION LETTERS

APPENDIX I
ECOLOGY COMMENTS ON DRAFT RI REPORT

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DEPARTMENT OF ECOLOGY
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January 31, 2017

Mr. David Templeton
Anchor QEA LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

RE: Comments on Draft Remedial Investigation Report, Duwamish Shipyard, Inc. dated August 15, 2015, prepared by Anchor QEA LLC.

Dear Mr. Templeton:

The Washington State Department of Ecology (Ecology) has reviewed the Draft Remedial Investigation Report, Duwamish Shipyard, Inc. dated August 15, 2015. Ecology believes that sufficient data has been collected for selection of a remedial alternative. However, additional sampling might still be needed during feasibility study and/or remedial design to refine cleanup areas.

Attached to this letter are Ecology's comments. Per the schedule under Exhibit C of Order No. DE 6735, responses to Ecology's comments and a revised Remedial Investigation report should be submitted to Ecology within 45 days following the issuance of this letter. If you have any questions, feel free to contact me at (425) 649-4310.

Sincerely,

Jing Liu
NWRO Toxics Cleanup Program

ecc: Kim Maree Johannessen, Johannessen & Associates, P.S.
Kyle McCleary, Duwamish Shipyard, Inc.
Ivy Anderson, AAG
Ron Timm, Ecology
Elly Hale, EPA Region 10

Ecology's Review Comments - Draft Remedial Investigation Report, Duwamish Shipyard, Inc. dated August 15, 2015, prepared by Anchor QEA LLC.

General Comments

1) The Site needs to be delineated beyond the property boundary and include data collected from adjacent properties. All the data presented in the draft RI report were collected within the property. Data available from the adjacent properties should also be presented in the report to get a better delineation of the Site.
2) Establishment of the groundwater screening levels should follow the same approach as presented in Ecology's technical memorandum on the groundwater cleanup levels for upland sites along the Lower Duwamish Waterway (LDW), revised on March 1, 2016 (Ecology 2016). However, the newly revised state and federal surface water quality criteria should be used accordingly.
3) It is not appropriate to use the Remedial Action Levels (RALs) as established in the LDW Record of Decision (ROD, EPA 2014) to develop the sediment screening levels at the Site. Instead, the LDW ROD Sediment Cleanup Levels (CULs) should be used.

   Although MTCA allows the use of remediation levels in defining remedial alternatives, establishing remediation levels does not preclude the requirement to meet cleanup levels.

   The ROD defines RALs as the contaminant-specific sediment concentrations designed to identify specific areas or sediments that require active remediation. The ROD further states that the sediment RALs are equal to or higher than the sediment cleanup levels for each COC and are used only to delineate the Site into areas where different remedial technologies would be used. The use and application of RALs does not affect or alter the requirement to achieve cleanup levels.

Specific Comments

1) **Section 2.2, Page 3, Property Infrastructure and Utilities.** The stormwater drain line as shown on Figure 2-1 of the RI was not consistent with Figure 1 of the 2012 Stormwater Improvement memo and Figure 4 of the 2013 Supplemental Remedial Investigation Work Plan. Please verify that the figure shows the up-to-date stormwater drainage system for the Site.
2) **Section 3.4, Page 15, Dredging History.** The text stated that both DSI and Glacier conducted dredging in the past. Please also include a brief dredging history of AML if there is any dredging occurred.
3) **Section 4.2.1, Page 24, Figure 4-2.** Additional cross sections should be added to show the vertical and horizontal extent of contamination at the Site. At least two cross sections should be utilized to show the extent of contamination across the Site, one transect line running north to south and one transect line from west to east would be ideal. The depth

and location of monitoring wells, screened intervals, water levels, borings, and sample locations should be added to the cross sections. Analytical data should also be added to the cross sections but a limited subset of parameters should be chosen for display (i.e. indicator chemicals). A plan view map showing the locations of the cross section transect lines should also be added.

4) **Section 4.2.2, Page 24, Hydrogeological Setting and Groundwater System**
   a) The first paragraph stated that groundwater aquifer conditions are considered to be unconfined given the variability in sand content in the silt layer at the Site. However, the groundwater elevation and salinity data indicated that the aquifer beneath the silt layer is most likely confined. Please clarify further.
   b) For groundwater contour Figures 4-3 and 4-4, take out MW-3 since it is a deep and confined well, and all the other wells are screened shallower.
   c) Present groundwater contour from other sampling events if available. Ecology understands that one site-wide gauging of water levels was conducted during sampling event in July 2014. Include water level measurements from surrounding properties in groundwater gradient figures, if concurrent data sets are available. Groundwater data needs to include horizontal and vertical gradients and need to distinguish between shallow and deeper groundwater zones.
   d) Include hydrograph(s) to show tidal influence on groundwater elevations. Include all tidal data in the Appendix of RI.
   e) The second paragraph of the text states that tidal fluctuation of groundwater elevations was determined to occur along the eastern area of the Site (within 200-300 feet of the shoreline). However, the results from the transducer study have shown that all the wells are influenced by tide, except MW-1, the most inland well. This demonstrates that the tidal influence occurs almost across the property except in the southwest corner. The text needs to be corrected based on this fact. Also both shallow and deep wells have shown tidal fluctuation. The text should therefore indicates that both shallow and deep aquifers are tidal influenced, and hydraulically connected with the river. More clarification on how the Site is hydraulically connected to LDW is needed.
5) **Section 5.2, Page 34, RI Groundwater Investigations.** Clarify whether groundwater elevation data were collected or not during the four quarterly groundwater sampling events. Include more recent groundwater elevation data in the RI, if available.
6) **Section 6, Page 41, para 2.** MTCA requires the use of practical quantitation limits (PQLs) rather than "analytical limits of quantitation". If LOQs are the same as PQLs, do a search and replace in the text. If they are different, use PQLs.
7) **Section 6, Page 41, para 2, last sentence.** Edit as follows: "...cleanup levels (CULs) or remedial action levels (RALs)...."
8) **Section 6, Page 42.** Ecology believes that the sediment CULs at the Site should be based on the LDW ROD CULs, not RALs as commented above. The CULs from ROD Tables 19

and 20 should be used as the basis for establishing the sediment screening levels at this Site. Table 6-3 should be modified accordingly.

9) **Section 6.1.2, Page 44, para 4.** The decision not to consider terrestrial wildlife exposure must be substantiated by explaining how the site qualifies for exclusion from the terrestrial ecological evaluation with appropriate MTCA citations per WAC 173-340-7490.

10) **Section 6.1.3, Page 44, Sediment Exposure Pathways, para 4.** The text states that human direct contact with Site sediments is not likely to be a complete pathway for beach play, potential clamming and any contact with sediments from future development. However, it should be noted that per Table 6 of the LDW ROD, commercial net fishing locations in LDW potentially include all LDW sediments. Also the potential exposure pathway through clamming should be considered in a small portion of the intertidal area located at southeast of the property. Per ROD Figure 6, this area has been designated as a potential clamming area. Therefore, human direct contact from both net fishing and clamming should be evaluated as potential exposure pathways at the Site accordingly.

11) **Section 6.2.1, Page 48, Groundwater Screening Levels.** This section should be revised in accordance with Ecology's LDW groundwater CUL technical memo as commented above. Specific comments are described below.

a) **Section 6.2.1.1, Page 48, Highest Beneficial Use of Site Groundwater, second bullet.** Specify how the yield was determined and where it was measured on the Site. Was it averaged across the entire site? At what point in the tidal cycle was it measured? Was it averaged across the tidal cycle? Are there discernible differences in yield in different parts of the site? More details on how and when the yield was determined is needed. The TDS concentrations cited are not reflected in Table 7-6a.

b) **Section 6.2.1.2, Page 50, first bullet.** The State Surface Water Quality Standards (WAC173-201A-240) adopted in August 2016 should be used to develop groundwater screening levels to be protective of surface water. Also EPA's revisions to the State Surface Water Quality Standards should be considered as an ARAR, which became effective on December 15, 2016.

c) **Section 6.2.1.2, Page 50, second bullet.** Regarding the water quality criteria published under Section 304 of the Clean Water Act (National Recommended Water Quality Criteria), the most recently updated version from June 2015 should be used in this RI as an ARAR.

d) **Section 6.2.1.2, Page 51, fourth bullet.** MTCA standard Method B has been adjusted downward assuming a higher fish consumption rate than the default MTCA value and a fish diet fraction of 0.5 (i.e., half of the fish consumed are from the Site). Ecology believes that the fish consumption rate and fish diet fraction should be consistent with the LDW ROD, and this section should be revised accordingly.

e) **Section 6.2.1.3, Page 51, Protection of Sediment.** This section needs to be revised based on the methodology from Ecology's LDW groundwater CUL technical memo.

i) Ecology believes that it is not correct to assume a fractional organic carbon (foc) of 1 (100%) for this site. The value of 1.9% can be used based on data collected from the LDW Remedial Investigation, or a site specific foc can be used, per pre-approval from Ecology.

ii) Protection of sediment for the net fishing and clamming exposure pathways should also be considered, see Comment #10. Figure 6-1 needs to be modified accordingly.

iii) Page 51, para 3, last sentence. It states that "Sediments within LDW are already contaminated, but this is not considered in the derivation of RI groundwater screening levels". It is not clear how the screening levels would be different if the contamination in LDW were considered. Clarify or delete this sentence.

f) Comments regarding Table 6-1.

i) EPA has an ambient water quality criteria for tributyltin to protect aquatic life. This should be incorporated into Table 6-1, groundwater screening levels. See the EPA document at: https://www.epa.gov/wqc/aquatic-life-criteria-tributyltin-tbt.

ii) For calculation of pore water concentration to be protective of sediment, follow Ecology's LDW groundwater CUL memo, and the LDW ROD CULs should be used.

iii) CWA Section 304 surface water human health criteria for benzene is 58 ug/L, not 51 ug/L.

iv) The table lists an organic carbon normalized concentration of 99 mg/kg for total cPAHs TEQ based on WAC 173-204 Marine SCO. However, SMS doesn't have a sediment SCO or CSL criteria for total cPAHs TEQ. Please clarify.

v) Add measurement unit for TBT and Dioxins/Furans.

vi) Footnote a. This footnote is confusing. Specify the fish consumption rate used for the calculations (which should be 97.5 g/day). The target risk of 1E-5 is used only for adjusting ARARs that exceed 1E-5 risk. If a chemical has an ARAR associated with cancer risk between 1E-6 and 1E-5, the ARAR is used without adjustment. If a chemical does not have an ARAR, the Method B screening level is calculated using Equation 730-2 and is based on 1E-6 risk; no adjustment of a factor of 10 is used in these cases.

vii) Footnote d. Use the equation from Ecology's LDW groundwater CUL memo to calculate the sediment pore water concentration.

12) Section 6.2.2, Soil Screening Levels.

a) **Page 53, Section 6.2.2.1, Direct Contact Pathway.** Although the site is expected to remain industrial, the RI should use the more stringent Method B criteria instead of Method C for screening purposes. Method C cleanup levels might be appropriate to be used for this site to address the direct contact exposure pathway for the current and expected future land use. However, the final site cleanup levels will be developed during the feasibility study. Use of Method C as cleanup levels needs to be justified during feasibility study and institutional controls will be needed.

b) **Page 53, Section 6.2.2.1, Direct Contact Pathway.** According to MTCA, Method A cleanup levels are designed for cleanups that are relatively straightforward or involve only a few hazardous substances at a smaller site. It is not appropriate to use Method A at this site due to presence of multiple contaminants and complex exposure pathways. Ecology understands that there are no soil cleanup levels or ARAR currently available for total petroleum hydrocarbons other than Method A cleanup levels. Therefore, Ecology will allow the use of Method A as soil screening levels at this site at this time, but only for total petroleum hydrocarbons. Eliminate the Method A CULs from Table 6-2 with the exception of total petroleum hydrocarbons.

c) **Page 54, Section 6.2.2.2, Soil Leaching Pathway, Footnote #3, site specific soil foc.** A site specific foc of 0.0066 was derived as the geometric mean of the foc values measured in 149 RI soil samples. The report states that this approach is considered representative and conservative because it includes samples from all soil depth intervals at the site. This might not be true since some of the soils from the site might be excavated during cleanup and backfill will be placed. Additional statistics must be provided to substantiate a site-specific foc value. Provide the following statistical parameters: minimum, maximum, mean, median, 10th percentile, and 25th percentile. If there are discernible patterns in foc among site areas, these statistics should be provided for each site area.

d) **Page 55, Section 6.2.2.2, para 2, last sentence.** "Significant attenuation of contaminant concentrations occurs during groundwater transport from upland locations to the sediment biologically active zone". Support this statement with evidence of attenuation across distance or point to the section of the document where such evidence is provided.

e) **Table 6-2.** Please provide the basis for soil background concentrations for chromium total and VI of 117 mg/kg. The natural background concentration for chromium total is 48 mg/kg for Puget Sound (Ecology 1994).

f) **Table 6-2.** The footnote of "e" for the column of Natural Background Concentrations is not associated with the content of Note "e" on Page 6-6 of Table 6-2. Correct accordingly. The numbering of other footnotes after e should also be corrected accordingly.

g) **Table 6-2,** column for concentration protective of marine sediment - erosion to marine sediment pathway. Populate the column based on benthic protection and human direct contact pathways from the LDW ROD. If the chemicals are not available in the ROD, use SCO from SMS.

13) Section 6.2.3, Page 55, Sediment Screening Levels.

a) General comment. Both LDW ROD CULs and SMS should be considered when develop sediment screening levels. For sediment direct contact pathway, net fishing and clamming should be considered.

b) **Page 55, para 4, sentence 1.** The parenthetical statement suggests that human consumption of marine surface water is a pathway. This needs clarification.
c) Figure 6-1 needs to be modified to include both net fishing and clamming exposure pathways.
d) Table 6-3. The DMMP TBT criteria of 73 ug/kg has been used as the TBT sediment screening level. It should be noted that this criteria was established for the purpose of disposal of dredged material. It is fine to use it for screening purpose here. However, it should be revisited when develop the final TBT sediment cleanup level.

14) Section 7 Nature and Extent of Contamination

General Comments

a) The RI needs to identify locations where characterization of the lateral extent of COCs in soil and groundwater is not complete. This needs to include correlation with adjoining sites where data for similar COCs is available (particularly the Glacier site). Potential COCs and areas of concern for lateral characterization may include, but are not necessarily limited to the following areas:
   i) Northern property boundary; primarily metals COCs.
   ii) Southern property boundary north of Glacier cement silos; primarily metals COCs and pentachlorophenol.
   iii) Southeastern portion near Glacier site roundabout east of silos; primarily metals COCs but possibly also cPAHs and TPH.
b) The vertical extent of COC impacts to soil has not been fully characterized at the Site. The RI needs to identify and discuss locations where the bottommost sample interval was above screening levels. Sample locations that need to be specifically addressed:
   i) **Metals**- DSI-03, DSI-06, DSI-09, DSI-GP-12, DSI-GP-14, DSIP2-24, DSIP2-ST-04, DSIP2-27
   ii) **Gasoline**- DSI-03, DSI-07, DSI-09, DSI-GP-08, DSI-MW-02, DSI-MW-10
   iii) **Diesel**- DSI-06, DSI-GP-15
   iv) **cPAHs**- DSI-12, DSI-MW-10, DSI-GP-13, DSI-GP-14, DSIP2-09, DSIP2-ST-04
   v) **Benzoic Acid**- DSIP2-05, DSIP2-16, DSIP2-19, DSIP2-20, DSIP2-24, DSIP2-27
   vi) **Phenol**- DSIP2-06, DSIP2-20, DSIP2-24
c) The report includes figures to show the maximum concentrations of the indicator COCs at both 0-6 feet and 6-15 feet below ground surface for soil, and 0-10 cm and 0-14 feet below mudline for sediment. These figures should be modified to better demonstrate both the horizontal and vertical extent of those indicator chemicals.
d) The report includes figures to show the maximum concentrations of the indicator COCs in groundwater. Since groundwater samples were collected at different depth intervals,

shallow, intermediate, and deep, the data should be presented separately based on the grouping of different depth intervals to better understand the groundwater conditions at different depth intervals. The groundwater results need to include additional discussion and clarification regarding the vertical extent of groundwater impacts, particularly for the saturated zones identified above and below the silt layer. This should include discussion of the potential for downward migration of COCs from shallow to deeper groundwater. Also groundwater data should be presented per sampling event to show seasonal variation, if any.

Specific Comments

a) **Page 57, Section 7.1 and Appendix D**. The statistical approach appears to be reasonable. However, the RI needs to present detailed results to show how the COPCs, COCs and indicator chemicals were determined. Ecology suggests adding a summary table in Appendix D or expand Table 7-2. Also the RI needs to discuss how to address the exceedence of other CPOCs which have not been identified as COCs.

b) **Appendix D 4 c).** The text is not clear. Does it mean that if a compound has been detected higher than 2 times of the SL, it will be retained as COCs? Please clarify.

c) **Page 57, Section 7.2.** Can't use SCUM II as a reference. The language referenced in SCUM II can only be applied to smaller or less complex sites, instead using MTCA citation under WAC 173-340-703.

d) **Section 7.3, Page 58, Soil results.** Typo. The northern portion of the former shipyard nearshore area shows the highest arsenic impact at 441 mg/kg at DSIP2-05, it should be the southern portion.

e) Sampling of dioxins/furans was limited in the near shore area. Justify why samples were not collected in area with elevated PCP concentrations.

15) Section 8, Conceptual Site Model

a) **Section 8, Page 76.** The text states that the CULs that will be developed for a subset of the indicator chemicals in the feasibility study will consider RALs established in the LDW for sediment. As commented above, the sediment CULs at the Site should be established based on the LDW ROD CULs, not RALs.

b) **Section 8.1, Page 77, para 3.** Revise the tidal fluctuation of groundwater at this site to almost across the property.

c) **Section 8.2.1, Page 78.** Re-word or delete the last sentence, "There is no indication that the upland area of the DSI property is a source of contamination to sediments in the LDW". The fourth bullet on Page 8 states that historical operations of the shipyard on the upland includes vessel side-tracking, crane and winch activities, blasting grit handling,

wastewater treatment, and the steel and pipe shop. All of those activities could contribute contamination to the sediment.

16) Section 9 RI Conclusions

a) **Section 9.1, Page 87, Feasibility Study Data Gaps.** Ecology believes that there are still remaining data gaps. See comment #14. However, Ecology believes that the data collected so far are sufficient for selection of a remedial alternative, though additional data might still be needed during feasibility study and/or remedial design to refine cleanup areas.

Figures:

1) Figure 3-8 needs a north arrow.
2) Figure 4-2- see comment for Section 4.2.1. Add plan view of cross section(s) transects.
3) Figures 4-3 and 4-4- see comment #4c regarding contouring deep and shallow monitoring wells separately.
4) Figures 7-1a to 7.2i- include soil and groundwater data from adjacent sites per comment #14a.

Appendices:

Missing boring logs from 2009 (i.e. PZ-01, DSI-MW-01) and tidal data.

References

Ecology. 2015. Technical Memorandum from Pete Kmet (Ecology) to Bob Warren (Ecology). Subject: Groundwater cleanup levels for upland sites along the Lower Duwamish Waterway. Revised March 1, 2016.

Ecology. 1994. Natural Background Soil Metals Concentrations in Washington State. October, 1994.

EPA. 2014. Record of Decision. Lower Duwamish Waterway Superfund Site. November 2014.

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February 17, 2017

Mr. David Templeton
Anchor QEA LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Subject: Ecology Response to Schedule Extension Request for Submittal of Final RI, Agreed Order No. DE 6735, Duwamish Shipyard Inc.

Dear Mr. Templeton:

Ecology has considered your request dated February 15, 2017 for an extension of schedule, per Exhibit C under Agreed Order #6735, to complete Remedial Investigation report as requested by Ecology. Ecology approves of an extension of another 45 days to May 1, 2017 to deliver the final Remedial Investigation report for this site. Please feel free to contact me if you have any questions in meeting this timeline.

Sincerely,

Jing Liu
NWRO Toxics Cleanup Program

ecc: Kim Maree Johannessen , Johannessen & Associates, P.S.
Kyle McCleary, Duwamish Shipyard, Inc.
Ivy Anderson, AAG
Ron Timm, Ecology
Elly Hale, EPA Region 10
Julia Fitts, L.G., Anchor QEA, LLC
Kellee Christensen, Anchor QEA, LLC

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October 5, 2017

Mr. David Templeton
Anchor QEA LLC
720 Olive Way, Suite 1900
Seattle WA 98101

RE: Comments on the May 1, 2017 Final Remedial Investigation Report, Duwamish Shipyard, Inc., prepared by Anchor QEA LLC.

Dear Mr. Templeton:

The Washington State Department of Ecology (Ecology) has reviewed the Final Remedial Investigation (RI) Report, Duwamish Shipyard, Inc. (DSI) dated May 1, 2017. Ecology still requires revisions to the RI Report to resolve previous comments, Ecology will hereafter refer to the May 1, 2017 report as the "Revised RI Report" in this letter and in Enclosures A and B to this letter.

Enclosure A is Ecology's feedback on your responses to Ecology's January 31, 2017 comments on your August 15, 2015 draft RI report. Enclosure B is Ecology's additional comments on your May 1, 2017 Revised RI Report.

Please address Ecology's comments in a Final RI Report, including the comments which have not been resolved as described in Enclosure A, as well as Ecology's additional comments as described in Enclosure B to this letter. The Final RI Report should be submitted to Ecology within 45 days following the issuance of this letter.

If you have any questions, feel free to contact me at (425) 649-4310.

Sincerely,

Jing Liu
Site Manager

Enclosures: A Ecology's Feedback on May 1, 2017 Revised RI Report for DSI
B Ecology's Additional Comments dated May 1, 2017 Revised RI Report for DSI

ecc: Kim Maree Johannessen, Johannessen & Associates, P.S.
Kyle McCleary, Duwamish Shipyard, Inc.
Kellee Christensen, Anchor QEA LLC
Ivy Anderson, AAG
Tamara Cardona-Marek, Ecology
Elly Hale, EPA Region 10
Erika Hoffman, EPA Region 10

Enclosure A: Ecology's Feedback on May 1, 2017 Revised RI Report for DSI

Comment No.	RI Report Section	Ecology Comments on the draft RI report dated August 15, 2015	DSI Responses dated May 1, 2017	Ecology Feedback on DSI's Responses
General Comments				
1	General	The Site needs to be delineated beyond the property boundary and include data collected from adjacent properties. All the data presented in the draft RI report were collected within the property. Data available from the adjacent properties should also be presented in the report to get a better delineation of the Site.	Select soil and groundwater data from the adjacent Glacier/Reichhold Site (i.e., for similar chemicals of concern [COCs] and depth ranges) were screened and added to the maps in Section 7. A discussion of those data has been added to Section 7. No soil or groundwater data were available for the property to the north (AML/Lynden).	Soil and groundwater data for the indicator COCs collected from the northern and northeastern portions of Glacier Property has been presented in the revised RI report. However, those figures need to be revised to better present the lateral extent of the contamination beyond the DSI property. See Comment 14a on how to make the changes. Data for both soil and groundwater do exist on the AML property (west of the Duwamish Shipyard), which was collected in 1993 to 2000. This data helps to delineate some COCs to the west, and should be discussed in Section 7. Additional sediment data is available from LDW RI and data collected by Glacier. Those data should also be included appropriately. This information will help better understand the extent of the sediment contamination associated with historical operations at DSI.
2	General	Establishment of the groundwater screening levels should follow the same approach as presented in Ecology's technical memorandum on the groundwater cleanup levels for upland sites along the Lower Duwamish Waterway (LDW), revised on March 1, 2016 (Ecology 2016). However, the newly revised state and federal surface water quality criteria should be used accordingly.	The derivation of Site groundwater screening levels has been revised to adhere to the approach in Ecology's technical memorandum dated March 1, 2016. The revised state and federal surface water quality criteria were used, as directed by Ecology, in the screening level derivation process and are referenced in Section 6.	Resolved.
3	General	It is not appropriate to use the Remedial Action Levels (RALs) as established in the LDW Record of Decision (ROD, EPA 2014) to develop the sediment screening levels at the Site. Instead, the LDW ROD Sediment Cleanup Levels (CULs) should be used. Although MTCA allows the use of remediation levels in defining remedial alternatives, establishing remediation levels does not preclude the requirement to meet cleanup levels. The ROD defines RALs as the contaminant-specific sediment concentrations designed to identify specific areas or sediments that require active remediation. The ROD further states that the sediment RALs are equal to or higher than the sediment cleanup levels for each COC and are used only to delineate the Site into areas where different remedial technologies would be used. The use and application of RALs does not affect or alter the requirement to achieve cleanup levels.	The LDW ROD CULs are now used (instead of the RALs), as directed by Ecology, in the derivation of Site sediment screening levels, as described in Section 6 and noted in Table 6-3.	Resolved.

Comment No.	RI Report Section	Ecology Comments on the draft RI report dated August 15, 2015	DSI Responses dated May 1, 2017	Ecology Feedback on DSI's Responses
Specific Comments				
1	2.2	Page 3, Property Infrastructure and Utilities. The stormwater drain line as shown on Figure 2-1 of the RI was not consistent with Figure 1 of the 2012 Stormwater Improvement memo and Figure 4 of the 2013 Supplemental Remedial investigation Work Plan. Please verify that the figure shows the up-to-date stormwater drainage system for the Site.	The stormwater line configuration shown on Figure 2-1 is correct and up to date. The configuration shown in Stormwater Improvement Letter (Anchor QEA 2012) was an initial re-route proposal that was slightly modified during final construction. The current configuration matches what is shown in Figure 2-1 of the Final RI Report.	Resolved.
2	3.4	Page 15, Dredging History. The text stated that both DSI and Glacier conducted dredging in the past. Please also include a brief dredging history of AML if there is any dredging occurred.	DSI is unaware of any historical dredging by AML. Recent maintenance dredging by Glacier Northwest, Inc. (CalPortland) was added to Figure 3-7.	Please add Glacier dredging depth for each dredging event. Also state in the text that DSI is unaware of any historical dredging conducted by AML in the area adjacent to DSI.
3	4.2.1	Page 24, Figure 4-2. Additional cross sections should be added to show the vertical and horizontal extent of contamination at the Site. At least two cross sections should be utilized to show the extent of contamination across the Site, one transect line running north to south and one transect line from west to east would be ideal. The depth and location of monitoring wells, screened intervals, water levels, borings, and sample locations should be added to the cross sections. Analytical data should also be added to the cross sections but a limited subset of parameters should be chosen for display (i.e. indicator chemicals). A plan view map showing the locations of the cross section transect lines should also be added.	Three upland and three sediment cross-sections were developed for each soil and sediment indicator chemical (IC), respectively, to depict the extent of screening level exceedances (by ICs) at the Site. These cross-sections are included as Appendix G-1. Figure G-1 is a plan view map that shows the locations of all cross- sections. Note that, for each cross-section figure, red lines represent a continuous surface that was created and interpolated using the upper extent and lower extent of screening level exceedances at all available RI Site locations for soil (Sections A-A' to C-C') and sediment (Sections D-D' to F-F'). Exceedances are shown for both detected and non-detected concentrations (non- detects were screened at the lab reporting limit). These surfaces are approximated and represent the depths of exceedances (where present) at each cross-section location, which may differ slightly from the exact depth(s) at the projected RI locations shown.	• Please show indicator COC concentrations at different depth intervals on all the cross-sections figures. Colored bars or sticks can be used for depiction. Different colors can be used to represent different concentration ranges, similar to what has been used on Fig 7-1a through 7-3s. Ecology believes this approach can help readers better understand the vertical and horizontal extent of contamination at the Site. • It is unclear why the upper extent of the screening level exceedances are often above the ground surface in several cross-sections. This might be remedied if the transect lines were aligned with the boring/well locations and not projected onto the cross-section. • The titles in Figures G-2b through G-2f should be corrected to the appropriate transect line (i.e. B-B' to F-F'). • The CUL/RAL from the LDW ROD for the four human health and ecological COCs (arsenic, PCBs, cPAHs and dioxin) should be included in the coloring gradation in the sediment figures. This will help us have a better picture on the extent of the area where active remedial actions are needed.
4 a	4.2.2	Page 24, Hydrogeological Setting and Groundwater System. The first paragraph stated that groundwater aquifer conditions are considered to be unconfined given the variability in sand content in the silt layer at the Site. However, the groundwater elevation and salinity data indicated that the aquifer beneath the silt layer is most likely confined. Please clarify further.	RI groundwater data were reviewed again and the aquifer beneath the silt layer has been re-interpreted as confined. The revised discussion is included in Section 4.2.2.	Resolved.
4 b	4.2.2	For groundwater contour Figures 4-3 and 4-4, take out MW-3 since it is a deep and confined well, and all the other wells are screened shallower.	The data from deep well DSI-MW-03 have been removed from Figures 4-3 and 4-4. The well location is still shown for reference.	Resolved.

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4 c	4.2.2	Present groundwater contour from other sampling events if available. Ecology understands that one site-wide gauging of water levels was conducted during sampling event in July 2014. Include water level measurements from surrounding properties in groundwater gradient figures, if concurrent data sets are available. Groundwater data needs to include horizontal and vertical gradients and need to distinguish between shallow and deeper groundwater zones.	Due to Site access restrictions, groundwater elevation data were only collected from select wells during each of the four RI quarterly monitoring events (from 2014 to 2015). The most comprehensive groundwater elevation data from that period were collected during the July 2014 event. For all other events from 2014 to 2015, groundwater levels were measured at the time of sampling and therefore not always during the same low- tide interval. Groundwater contouring was completed for the wells included in the 2009 tidal study, which is the most robust groundwater elevation data set available for the Site; therefore, only the 2009 elevation data were used for contour mapping and calculation of approximate gradients. Deeper groundwater gradients were not independently calculated due to the lack of deep groundwater data points. Concurrent groundwater elevation data sets were not available for neighboring sites/properties.	It is still not clear whether sufficient groundwater elevation data was collected during the July 2014 sampling event. Please clarify if there is not. If there is sufficient data for contouring from this event, please provide a figure showing the inferred groundwater contours based on this event.
4 d	4.2.2	Include hydrograph(s) to show tidal influence on groundwater elevations. Include all tidal data in the Appendix of RI.	Figure 4-5 is a hydrograph developed using the data from the tidal study. Raw tidal study data (transducer data) are included as Appendix C-3.	The hydrographs in Appendix C-3 are hard to decipher based on line color alone. Please update the legend and graphs to include unique symbols for each of the wells, and indicate the depths of the wells (shallow versus deep).
4 e	4.2.2	The second paragraph of the text states that tidal fluctuation of groundwater elevations was determined to occur along the eastern area of the Site (within 200-300 feet of the shoreline). However, the results from the transducer study have shown that all the wells are influenced by tide, except MW-1, the most inland well. This demonstrates that the tidal influence occurs almost across the property except in the southwest corner. The text needs to be corrected based on this fact. Also both shallow and deep wells have shown tidal fluctuation. The text should therefore indicates that both shallow and deep aquifers are tidal influenced, and hydraulically connected with the river. More clarification on how the Site is hydraulically connected to LDW is needed.	The tidal study data were reviewed again and the text has been revised to indicate that tidal influence occurs throughout the Site in both shallow and deep wells. The tidal study included a stilling well in the LDW; that location is included in the hydrograph shown on Figure 4-5.	Resolved.
5	5.2	Page 34, RI Groundwater Investigations. Clarify whether groundwater elevation data were collected or not during the four quarterly groundwater sampling events. Include more recent groundwater elevation data in the RI, if available.	Due to Site access restrictions, groundwater elevation data were only collected from select wells during each of the four RI quarterly monitoring events (from 2014 to 2015). The most comprehensive groundwater elevation data from that period were collected during the July 2014 event. For all other events from 2014 to 2015, groundwater levels were measured at the time of sampling and therefore not always during the same low- tide interval.	Same comment as above, Comment 4C

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6	6	Page 41, para 2. MTCA requires the use of practical quantitation limits (PQLs) rather than "analytical limits of quantitation". If LOQs are the same as PQLs, do a search and replace in the text. If they are different, use PQLs.	LOQs are equivalent to PQLs; the text and tables have been updated in all cases to "PQLs."	Resolved.
7	6	Page 41, para 2, last sentence. Edit as follows: " ...cleanup levels (CULs) or remedial action levels (RALs) .... "	The RI text in Section 6 has been updated accordingly.	Resolved.
8	6	Page 42. Ecology believes that the sediment CULs at the Site should be based on the LDW ROD CULs, not RALs as commented above. The CULs from ROD Tables 19 and 20 should be used as the basis for establishing the sediment screening levels at this Site. Table 6-3 should be modified accordingly.	The CULs (not RALs) from ROD Tables 19 and 20 are now used as the basis for establishing Site sediment screening levels. Table 6-3 and the text in Section 6 have been revised accordingly.	Resolved.
9	6.1.2	Page 44, para 4. The decision not to consider terrestrial wildlife exposure must be substantiated by explaining how the site qualifies for exclusion from the terrestrial ecological evaluation with appropriate MTCA citations per WAC 173-340-7490.	Additional rationale for the TEE exclusion has been added to Section 6.1.2 and documentation of the TEE exclusion, per MTCA, is included as Appendix C-4. The appropriate MTCA citation for the TEE exclusion is included in Section 6.1.2.	Resolved.
10	6.1.3	Page 44, Sediment Exposure Pathways, para 4. The text states that human direct contact with Site sediments is not likely to be a complete pathway for beach play, potential clamming and any contact with sediments from future development. However, it should be noted that per Table 6 of the LDW ROD, commercial net fishing locations in LDW potentially include all LDW sediments. Also the potential exposure pathway through clamming should be considered in a small portion of the intertidal area located at southeast of the property. Per ROD Figure 6, this area has been designated as a potential clamming area. Therefore, human direct contact from both net fishing and clamming should be evaluated as potential exposure pathways at the Site accordingly.	Per Table 6 of the ROD, human direct contact with Site sediments during commercial net fishing is a complete pathway for the entire LDW and is therefore considered a complete pathway for the Site. A small potential clamming area is identified in the ROD along the shoreline in the southeast corner of the Site; however, current industrial Site conditions and shoreline armoring in this area inhibit potential clamming activities, and the risks associated with this potential pathway are therefore negligible for the Site. In addition, plans for future industrial redevelopment of the Site do not include any potential scenarios—aside from commercial net fishing—where workers, visitors, or the public would come into contact with surficial/intertidal Site sediments. Therefore, the human direct contact pathway for Site sediments is considered complete for commercial net fishing but incomplete and insignificant for potential clamming activities.	To be consistent with the LDW ROD, the human direct contact pathway from clamming needs to be included.

Comment No.	RI Report Section	Ecology Comments on the draft RI report dated August 15, 2015	DSI Responses dated May 1, 2017	Ecology Feedback on DSI's Responses
11	6.2.1	Page 48, Groundwater Screening Levels. This section should be revised in accordance with Ecology's LDW groundwater CUL technical memo as commented above. Specific comments are described below.	The derivation of Site groundwater screening levels has been revised (Section 6.2.1) to adhere to the approach in Ecology's technical memorandum dated March 1, 2016.	Resolved.
11 a	6.2.1.1	Page 48, Highest Beneficial Use of Site Groundwater, second bullet. Specify how the yield was determined and where it was measured on the Site. Was it averaged across the entire site? At what point in the tidal cycle was it measured? Was it averaged across the tidal cycle? Are there discernible differences in yield in different parts of the site? More details on how and when the yield was determined is [sic] needed. The TDS concentrations cited are not reflected in Table 7-6a.	Section 6.2.1.1 has been revised. Groundwater at the Site is not a potential future source of drinking water because Site groundwater contains elevated concentrations of salinity and TDS, making it impractical for use as drinking water. For example, wells DSI-MW-07, DSI-MW-10, and DSIP2-25 had TDS concentrations of 23,400 milligrams per liter (mg/L), 26,200 mg/L, and 11,500 mg/L during the January 2015 monitoring event, respectively, which are above the MTCA portability threshold (10,000 mg/L) under WAC 173-340-720(2)(b)(ii).	Resolved.
11 b	6.2.1.2	Page 50, first bullet. The State Surface Water Quality Standards (WAC 173-201A-240) adopted in August 2016 should be used to develop groundwater screening levels to be protective of surface water. Also EPA's revisions to the State Surface Water Quality Standards should be considered as an ARAR, which became effective on December 15, 2016.	Ecology adopted new and revised human health surface water criteria on August 1, 2016. Pursuant to EPA's authority under Clean Water Act section 303(c), EPA reviewed the state's new and revised human health surface water quality standards. On November 15, 2016, EPA issued a letter to Maia Bellon, the Director of Ecology, partially approving and partially disapproving of Washington's human health water quality criteria and implementation tools. That letter included the CWA-effective human health surface water criteria applicable to Washington that were approved by EPA. Those EPA-approved surface water criteria (specifically, for human health consumption of organisms only), which became effective on December 15, 2016, are used in this RI to develop groundwater screening levels (see revised Section 6.2.1.2 and Table 6-1) as they supersede the values adopted by Ecology in August 2016.	Resolved.
11 c	6.2.1.2	Page 50, second bullet. Regarding the water quality criteria published under Section 304 of the Clean Water Act (National Recommended Water Quality Criteria), the most recently updated version from June 2015 should be used in this RI as an ARAR.	The Federal National Recommended Water Quality Criteria added and/or revised by EPA in June 2015 are included as a groundwater ARAR and were used to derive Site groundwater screening levels (see revised Table 6-1 and Section 6.2.1.2).	Resolved.

Comment No.	RI Report Section	Ecology Comments on the draft RI report dated August 15, 2015	DSI Responses dated May 1, 2017	Ecology Feedback on DSI's Responses
11 d	6.2.1.2	Page 51, fourth bullet. MTCA standard Method B has been adjusted downward assuming a higher fish consumption rate than the default MTCA value and a fish diet fraction of 0.5 (i.e., half of the fish consumed are from the Site). Ecology believes that the fish consumption rate and fish diet fraction should be consistent with the LDW ROD, and this section should be revised accordingly.	MTCA Method B surface water cleanup levels were calculated using both the standard MTCA formula values (WAC 173-340-730(3)) and using the fish consumption rate (97.5 g/day) and fish diet fraction (1) specified in the LDW ROD. Both values are included as groundwater ARARs and are used in the development of Site groundwater screening levels (see revised Section 6.2.1.2 and Table 6-1).	Resolved.
11 e	6.2.1.3	Page 51, Protection of Sediment. This section needs to be revised based on the methodology from Ecology's LDW groundwater CUL technical memo.	In accordance with Ecology's Groundwater Memo, groundwater screening levels protective of LDW sediments are calculated using the three-phase model equation from MTCA (Equation 747-1; WAC 173-340-747). Revised values for this ARAR are included in revised Table 6-1 and are further described in Section 6.2.1.3.	Resolved.
11 e i	6.2.1.3	Ecology believes that it is not correct to assume a fractional organic carbon (foc) of 1 (100%) for this site. The value of 1.9% can be used based on data collected from the LDW Remedial Investigation, or a site specific foc can be used, per pre-approval from Ecology.	The foc value used to calculate groundwater values protective of LDW sediment has been revised to 0.019 (1.9%) consistent with the LDW RI and ROD. See revised Section 6.2.1.3 and Table 6-1.	Resolved.
11 e ii	6.2.1.3	Protection of sediment for the net fishing and clamming exposure pathways should also be considered, see Comment #10. Figure 6-1 needs to be modified accordingly.	Figure 6-1 has been revised. Human direct contact with Site sediment during commercial net fishing is a complete pathway for the Site. A small potential clamming area is identified in the ROD along the shoreline in the southeast corner of the Site; however, current industrial Site conditions and shoreline armoring in this area inhibit potential clamming activities, and the risks associated with this potential pathway are therefore negligible for the Site. In addition, plans for future industrial redevelopment of the Site do not include any potential scenarios—aside from commercial net fishing—where workers, visitors, or the public would come into contact with surficial/intertidal Site sediments. Therefore, the human direct contact pathway for Site sediments is considered complete for commercial net fishing but incomplete and insignificant for potential clamming activities.	To be consistent with the LDW ROD, the human direct contact pathway from clamming needs to be included.
11 e iii	6.2.1.3	Page 51, para 3, last sentence. It states that "Sediments within LDW are already contaminated, but this is not considered in the derivation of RI groundwater screening levels". It is not clear how the screening levels would be different if the contamination in LDW were considered. Clarify or delete this sentence.	This sentence has been deleted.	Resolved.

Comment No.	RI Report Section	Ecology Comments on the draft RI report dated August 15, 2015	DSI Responses dated May 1, 2017	Ecology Feedback on DSI's Responses
11 f i	6.2.1.3	EPA has an ambient water quality criteria for tributyltin to protect aquatic life. This should be incorporated into Table 6-1, groundwater screening levels. See the EPA document at: https://www.epa.gov/wgc/aguatic-life-criteria- tributyltin-tbt.	The EPA Ambient Water Quality Criterion for TBT (for the protection of aquatic life) has been incorporated into Table 6-1 and is used in the derivation of Site groundwater screening levels.	Resolved.
11 f ii	6.2.1.3	For calculation of pore water concentration to be protective of sediment, follow Ecology's LDW groundwater CUL memo, and the LDW ROD CULs should be used.	The calculation of a porewater concentration protective of LDW sediment has been revised to adhere to Ecology's LDW Groundwater CUL memo. The LDW ROD CULs are used in that calculation (see revised Section 6.2.1.3 and Table 6-1).	Resolved.
11 f iii	6.2.1.3	CWA Section 304 surface water human health criteria for benzene is 58 ug/L, not 51 ug/L.	The surface water human health criterion for benzene has been revised accordingly in Table 6-1.	Resolved.
11 f iv	6.2.1.3	The table lists an organic carbon normalized concentration of 99 mg/kg for total cPAHs TEQ based on WAC 173-204 Marine SCO. However, SMS doesn't have a sediment SCO or CSL criteria for total cPAHs TEQ. Please clarify.	The Site-specific sediment screening level for total cPAHs, which is used in the derivation of a Site groundwater screening level, has been revised to 0.380 mg/kg dry weight per Table 19 of the LDW ROD (i.e., based on the net fishing exposure pathway). See revised section 6.2.1.3.	The LDW ROD has CUL of 0.15 mg/kg dry weight for addressing the clamming exposure pathway, which is more stringent than the 0.380 mg/kg for net fishing pathway. Therefore, the 0.15 mg/kg should be used when developing groundwater screening level.
11 f v	6.2.1.3	Add measurement unit for TBT and Dioxins/Furans.	Measurement units have been added.	Resolved.
11 f vi	6.2.1.3	Footnote a. This footnote is confusing. Specify the fish consumption rate used for the calculations (which should be 97.5 g/day). The target risk of lE-5 is used only for adjusting ARARs that exceed lE-5 risk. If a chemical has an ARAR associated with cancer risk between lE-6 and lE-5, the ARAR is used without adjustment. If a chemical does not have an ARAR, the Method B screening level is calculated using Equation 730-2 and is based on lE-6 risk; no adjustment of a factor of 10 is used in these cases.	Footnote updated. MTCA Method B surface water cleanup levels (Adjusted for LDW Fish Consumption Rate) (WAC 173-340-730(3)) were calculated using the seafood consumption rate (97.5 g/d) and fish diet fraction (1) from the LDW ROD. The total excess lifetime cancer risk for carcinogens was adjusted to one in one hundred thousand (1 x 10-5) in accordance with the procedures in WAC 173-340-730(5)(b). Adjusted MTCA Method B CULs are considered only if sufficiently protective human health-based surface water criteria or ARARs have not been established under applicable state and federal laws, in accordance with WAC 173-340-730(3)(b)(iii). If a sufficiently protective ARAR exists for a compound, "ARAR" is displayed for that compound in the "Comparison of Surface Water, Method B, Most Restrictive" column of Table 6-1. If a sufficiently protective ARAR is not available, the calculated MTCA Method B (Adjusted) surface water CUL is shown.	Resolved.

Comment No.	RI Report Section	Ecology Comments on the draft RI report dated August 15, 2015	DSI Responses dated May 1, 2017	Ecology Feedback on DSI's Responses
11 f vii	6.2.1.3	Footnote d. Use the equation from Ecology's LDW groundwater CUL memo to calculate the sediment pore water concentration.	The calculation of a porewater concentration protective of LDW sediment has been revised to use the three-phase model specified in Ecology's LDW Groundwater CUL memo (see revised Section 6.2.1.3 and Table 6-1).	Resolved.
12 a	6.2.2.1	Page 53, Direct Contact Pathway. Although the site is expected to remain industrial, the RI should use the more stringent Method B criteria instead of Method C for screening purposes. Method C cleanup levels might be appropriate to be used for this site to address the direct contact exposure pathway for the current and expected future land use. However, the final site cleanup levels will be developed during the feasibility study. Use of Method C as cleanup levels needs to be justified during feasibility study and institutional controls will be needed.	Method C values have been removed from Table 6-2. As noted in the revised Section 6.2.2.1, MTCA Method C CULs, even though typically appropriate for industrial sites, were not retained to develop Site-specific soil screening levels. MTCA Method C CULs will be retained as an ARAR for use in developing CULs during the FS.	Resolved.
12 b	6.2.2.1	Page 53, Direct Contact Pathway. According to MTCA, Method A cleanup levels are designed for cleanups that are relatively straightforward or involve only a few hazardous substances at a smaller site. It is not appropriate to use Method A at this site due to presence of multiple contaminants and complex exposure pathways. Ecology understands that there are no soil cleanup levels or ARAR currently available for total petroleum hydrocarbons other than Method A cleanup levels. Therefore, Ecology will allow the use of Method A as soil screening levels at this site at this time, but only for total petroleum hydrocarbons. Eliminate the Method A CULs from Table 6-2 with the exception of total petroleum hydrocarbons.	All MTCA Method A values for non-total petroleum hydrocarbon (TPH) constituents have been removed from Table 6-2. As noted in revised Section 6.2.2.1, soil concentrations protective of human direct contact (i.e., MTCA Method A CULs) are only retained for TPH, as no other ARARs are currently available for TPH.	Resolved.
12 c	6.2.2.2	Page 54, Soil Leaching Pathway, Footnote #3, site specific soil foc. A site specific foc of 0.0066 was derived as the geometric mean of the foc values measured in 149 RI soil samples. The report states that this approach is considered representative and conservative because it includes samples from all soil depth intervals at the site. This might not be true since some of the soils from the site might be excavated during cleanup and backfill will be placed. Additional statistics must be provided to substantiate a site specific foc value. Provide the following statistical parameters: minimum, maximum, mean, median, 10th percentile, and25th percentile. If there are discernible patterns in foc among site areas, these statistics should be provided for each site area.	Section 6.2.2.2 and Table 6-2 have been revised. Only MTCA- default parameters (WAC 173-340-747[4] and [5]) are used in the three-phase model. The table footnote has been updated accordingly.	Resolved.

Comment No.	RI Report Section	Ecology Comments on the draft RI report dated August 15, 2015	DSI Responses dated May 1, 2017	Ecology Feedback on DSI's Responses
12 d	6.2.2.2	Page 55, para 2, last sentence. "Significant attenuation of contaminant concentrations occurs during groundwater transport from upland locations to the sediment biologically active zone". Support this statement with evidence of attenuation across distance or point to the section of the document where such evidence is provided.	This sentence has been deleted.	Resolved.
12 e		Table 6-2. Please provide the basis for soil background concentrations for chromium total and VI of 117 mg/kg. The natural background concentration for chromium total is 48 mg/kg for Puget Sound (Ecology 1994).	The natural background value for total chromium has been updated in Table 6-2 (to 48.2 mg/kg; Ecology 1994). No Puget Sound background value is available for chromium VI.	Resolved.
12 f		Table 6-2. The footnote of "e" for the column of Natural Background Concentrations is not associated with the content of Note "e" on Page 6-6 of Table 6-2. Correct accordingly. The numbering of other footnotes after e should also be corrected accordingly.	The footnote numbering for Table 6-2 has been updated accordingly.	Resolved.
12 g		Table 6-2, column for concentration protective of marine sediment - erosion to marine sediment pathway. Populate the column based on benthic protection and human direct contact pathways from the LDW ROD. If the chemicals are not available in the ROD, use SCO from SMS.	Table 6-2 has been revised to include the concentrations protective of LDW sediment (i.e., the Site-specific sediment screening levels), which were derived using the CULs from the LDW ROD and the benthic SCOs from SMS, where LDW CULs were not available.	Resolved.
13 a	6.2.3	Page 55, Sediment Screening Levels. General comment. Both LDW ROD CULs and SMS should be considered when develop sediment screening levels. For sediment direct contact pathway, net fishing and clamming should be considered.	Table 6-3 and Section 6.2.3 have been updated accordingly. To ensure consistency with the ROD, the LDW sediment CULs are used as the Site-specific sediment screening levels, where available. For chemicals not identified as COCs in the ROD, the benthic SCO from SMS or other ARAR is used. Net fishing is included as a complete pathway. See revised Section 6.2.1.3 and Figure 6-1 for additional details regarding applicable pathways at the Site.	To be consistent with the LDW ROD, the human direct contact pathway from clamming needs to be included.

Comment No.	RI Report Section	Ecology Comments on the draft RI report dated August 15, 2015	DSI Responses dated May 1, 2017	Ecology Feedback on DSI's Responses
13 b	6.2.3	Page 55, para 4, sentence 1. The parenthetical statement suggests that human consumption of marine surface water is a pathway. This needs clarification.	Section 6.2.3 has been revised; human consumption of marine surface water is not a complete pathway for the Site.	Resolved.
13 c	6.2.3	Figure 6-1 needs to be modified to include both net fishing and clamming exposure pathways.	Figure 6-1 has been updated to include the direct contact exposure pathway for LDW sediments (net fishing only). As discussed in Section 6.2.1.3, clamming is not considered a complete pathway for the Site.	To be consistent with the LDW ROD, the human direct contact pathway from clamming needs to be included.
13 d	6.2.3	Table 6-3. The DMMP TBT criteria of 73 ug/kg has been used as the TBT sediment screening level. It should be noted that this criteria was established for the purpose of disposal of dredged material. It is fine to use it for screening purpose here. However, it should be revisited when develop the final TBT sediment cleanup level.	The DMMP TBT criterion is retained in Table 6-3; this value will be revisited during the CUL development process in the FS.	Resolved.
14 a	7	The RI needs to identify locations where characterization of the lateral extent of COCs in soil and groundwater is not complete. This needs to include correlation with adjoining sites where data for similar COCs is available (particularly the Glacier site). Potential COCs and areas of concern for lateral characterization may include, but are not necessarily limited to the following areas:	Section 7 has been updated with additional discussion of the lateral extent of Site indicator chemicals in soil, groundwater, and sediment; where the extent of each is not complete; and where soil and/or groundwater samples from the adjoining Glacier/Reichhold Site are available and exceed the Site screening levels. Figures 7-1a to 7-1v (soil) and 7-2a to 7-2f (groundwater) have also been updated accordingly.	Figures 7-1a to 7-1v (soil) and 7-2a to 7-2f (groundwater) need to be updated to include analytical results and depths (for soil only) for samples collected from the adjoining Glacier/Reichhold Site. The current figures do not provide a full delineation of the lateral extent of COCs in soil and groundwater. Additional sediment data is also available from LDW RI and data collected by Glacier. Those data should also be included in the sediment figures.
14 a i	7	Northern property boundary; primarily metals COCs.	This discussion has been updated in Section 7. See new Sections 7.3.1 (Soil Data Gaps) and 7.4.2 (Groundwater Data Gaps).	See comment 14a regarding updating figures.
14 a ii	7	Southern property boundary north of Glacier cement silos; primarily metals COCs and pentachlorophenol.	This discussion has been updated in Section 7. See new Sections 7.3.1 (Soil Data Gaps) and 7.4.2 (Groundwater Data Gaps).	See comment 14a regarding updating figures.

Comment No.	RI Report Section	Ecology Comments on the draft RI report dated August 15, 2015	DSI Responses dated May 1, 2017	Ecology Feedback on DSI's Responses
14 a iii	7	Southeastern portion near Glacier site roundabout east of silos; primarily metals COCs but possibly also cPAHs and TPH.	This discussion has been updated in Section 7. See new Sections 7.3.1 (Soil Data Gaps) and 7.4.2 (Groundwater Data Gaps).	See comment 14a regarding updating figures.
14 b	7	The vertical extent of COC impacts to soil has not been fully characterized at the Site. The RI needs to identify and discuss locations where the bottommost sample interval was above screening levels. Sample locations that need to be specifically addressed:	Section 7 has been updated with an additional discussion of the vertical extents of Site indicator chemicals in soil, groundwater, and sediment, where these extents are not fully "bound." Cross- sections were developed for soil and sediment, showing the vertical extents of screening level exceedances, and are included as Appendix G-1.	• See Specific Comment #3. • The cross-sections, at a minimum, should include sample locations, depths and concentrations. This will help to define the vertical extent of COC impacts. • It is unclear why the upper extent of the screening level exceedances are often above the ground surface. This might be remedied if the transect lines were aligned with the boring/well locations and not projected onto the cross section. • The titles in Figures G-2b through G-2f should be corrected to the appropriate transect line (i.e. B-B' to F-F').
14 b i	7	Metals- DSI-03, DSI-06, DSI-09, DSI-GP-12, DSI-GP-14, DSIP2-24, DSIP2-ST-04, DSIP2-27	This discussion has been updated in Section 7. See new Sections 7.3.1 (Soil Data Gaps), 7.4.2 (Groundwater Data Gaps), and 7.5.3 (Sediment Data Gaps). Cross-section figures are included as Appendix G-1.	See comment 14b regarding cross-sections.
14 b ii	7	Gasoline- DSI-03, DSI-07, DSI-09, DSI-GP-08, DSI-MW-02, DSI-MW-10	This discussion has been updated in Section 7. See new Sections 7.3.1 (Soil Data Gaps), 7.4.2 (Groundwater Data Gaps), and 7.5.3 (Sediment Data Gaps). Cross-section figures are included as Appendix G-1.	See comment 14b regarding cross-sections.
14 b iii	7	Diesel- DSI-06, DSI-GP-15	This discussion has been updated in Section 7. See new Sections 7.3.1 (Soil Data Gaps), 7.4.2 (Groundwater Data Gaps), and 7.5.3 (Sediment Data Gaps). Cross-section figures are included as Appendix G-1.	See comment 14b regarding cross-sections.
14 b iv	7	cPAHs- DSI-12, DSI-MW-10, DSI-GP-13, DSI-GP-14, DSIP2-09, DSIP2-ST-04	This discussion has been updated in Section 7. See new Sections 7.3.1 (Soil Data Gaps), 7.4.2 (Groundwater Data Gaps); and 7.5.3 (Sediment Data Gaps). Cross-section figures are included as Appendix G-1.	See comment 14b regarding cross-sections.
14 b v	7	Benzoic Acid- DSIP2-05, DSIP2-16, DSIP2-19, DSIP2-20, DSIP2-24, DSIP2-27	This discussion has been updated in Section 7. See new Sections 7.3.1 (Soil Data Gaps), 7.4.2 (Groundwater Data Gaps), and 7.5.3 (Sediment Data Gaps). Cross-section figures are included as Appendix G-1.	See comment 14b regarding cross-sections.
14 b vi	7	Phenol- DSIP2-06, DSIP2-20, DSIP2-24	This discussion has been updated in Section 7. See new Sections 7.3.1 (Soil Data Gaps), 7.4.2 (Groundwater Data Gaps), and 7.5.3 (Sediment Data Gaps). Cross-section figures are included as Appendix G-1.	See comment 14b regarding cross-sections.
14 c	7	The report includes figures to show the maximum concentrations of the indicator COCs at both 0-6 feet and 6-15 feet below ground surface for soil, and 0-10 cm and 0-14 feet below mudline for sediment. These figures should be modified to better demonstrate both the horizontal and vertical extent of those indicator chemicals.	Cross-sections were developed for each site indicator chemical to better demonstrate the lateral and vertical extent of screening level exceedances throughout the Site. Cross-sections are included as Appendix G-1. The plan view maps (Figure 7-1, 7-2, and 7-3 series) have also been updated using the revised screening levels for each Site IC and to show available data from the adjoining Glacier/Reichhold Site.	See comment 14b regarding cross-sections.

Comment No.	RI Report Section	Ecology Comments on the draft RI report dated August 15, 2015	DSI Responses dated May 1, 2017	Ecology Feedback on DSI's Responses
14 d	7	The report includes figures to show the maximum concentrations of the indicator COCs in groundwater. Since groundwater samples were collected at different depth intervals, shallow, intermediate, and deep, the data should be presented separately based on the grouping of different depth intervals to better understand the groundwater conditions at different depth intervals. The groundwater results need to include additional discussion and clarification regarding the vertical extent of groundwater impacts, particularly for the saturated zones identified above and below the silt layer. This should include discussion of the potential for downward migration of COCs from shallow to deeper groundwater. Also groundwater data should be presented per sampling event to show seasonal variation, if any.	Groundwater trend plots have been developed that show the seasonal variability in groundwater indicator chemical concentrations during all four quarters of RI groundwater monitoring (from 2014 to 2015; see Appendix G-2). A discussion of the trends observed in shallow versus deep groundwater quality, including any differences in these trends and seasonal variability, are included in revised Section 7.4 for each IC.	• Figure 2a- 2f still present maximum concentrations of indicator COCs in groundwater at both shallow and deep aquifers. As commented previously, the data should be presented separately for each aquifer. • The groundwater trend plots are difficult to decipher based on symbol color alone. The individual monitoring well symbols should be distinguished by shallow, intermediate, and deep wells, or at a minimum, different symbols and colors for each monitoring well.
14 e (a)	7.1	Page 57 and Appendix D. The statistical approach appears to be reasonable. However, the RI needs to present detailed results to show how the COPCs, COCs and indicator chemicals were determined. Ecology suggests adding a summary table in Appendix D or expand [sic] Table 7-2. Also the RI needs to discuss how to address the exceedence [sic] of other CPOCs [sic] which have not been identified as COCs.	Tables 7-1 through 7-4 have been updated and expanded to show all statistics used in the derivation of COPCs, COCs, and ICs for soil, groundwater, and sediment. As discussed in Section 7.2 and Appendix D, Site ICs pose the greatest human health and ecological risks, have the largest contamination footprint (i.e., where addressing these COCs will result in cleanup of other COCs that are less frequently detected, lower in concentration, or have a smaller footprint), and represent each major analytical group associated with the Site, particularly where multiple sources may have different vertical or horizontal distributions.	Resolved.
14 f (b)		Appendix D 4 c). The text is not clear. Does it mean that if a compound has been detected higher than 2 times of the SL, it will be retained as COCs? Please clarify.	Correct; COPCs with exceedance frequencies greater than two times the screening level (for both detects and non-detects) were retained as Site COCs. Tables 7-1 through 7-4 have been revised to make this clearer.	Resolved.
14 g (c)	7.2	Page 57. Can't use SCUM II as a reference. The language referenced in SCUM II can only be applied to smaller or less complex sites, instead using MTCA citation under WAC 173-340-703.	The text and citation in Section 7.2 have been updated accordingly.	Resolved.
14 h (d)	7.3	Page 58, Soil results. Typo. The northern portion of the former shipyard nearshore area shows the highest arsenic impact at 441 mg/kg at DSIP2-05, it should be the southern portion.	The text in Section 7.3 has been revised accordingly.	Resolved.
14 I (e)	7.3	Sampling of dioxins/furans was limited in the near shore area. Justify why samples were not collected in area with elevated PCP concentrations.	Dioxin/furan analyses were completed at all locations required by Ecology in the approved 2013 Supplemental RI Work Plan. Ecology did not request soil dioxin/furan analyses outside of the nearshore area, nor are there known historical shipyard operations in the upland areas of the Site that substantiate any need for dioxin/furan testing in these areas. In addition, Site RI groundwater monitoring (all four quarters from 2014 to 2015) and shoreline seep sampling (in 2013) included dioxin/furan testing throughout the Site at both shallow and deep-level wells. All groundwater and seep samples had total dioxin/furan TEQ results below the Site screening level (see Table 6-7g).	Resolved.

Comment No.	RI Report Section	Ecology Comments on the draft RI report dated August 15, 2015	DSI Responses dated May 1, 2017	Ecology Feedback on DSI's Responses
15 a	8	Page 76, Conceptual Site Model. The text states that the CULs that will be developed for a subset of the indicator chemicals in the feasibility study will consider RALs established in the LDW for sediment. As commented above, the sediment CULs at the Site should be established based on the LDW ROD CULs, not RALs.	Sediment screening levels in the RI have been revised and are now derived using the CULs in the LDW ROD and the benthic SCOs from SMS where CULs were not available in the ROD. RALs were not considered in the development of Site screening levels (i.e., at Ecology's direction). However, the FS will consider the RALs from the ROD in the development of final cleanup levels for the Site.	It should be noted that you might be able to use RALs from the LDW ROD to develop remedial action levels during FS, but not final cleanup levels.
15 b	8.1	Page 77, para 3. Revise the tidal fluctuation of groundwater at this site to almost across the property:	Section 8.1 has been revised accordingly.	Resolved.
15 c	8.2.1	Page 78. Re-word or delete the last sentence, "There is no indication that the upland area of the DSI property is a source of contamination to sediments in the LDW". The fourth bullet on Page 8 states that historical operations of the shipyard on the upland includes vessel side-tracking, crane and winch activities; blasting grit handling, wastewater treatment, and the steel and pipe shop. All of those activities could contribute contamination to the sediment.	This sentence has been deleted.	Resolved.
16 a	9.1	Page 87, Feasibility Study Data Gaps. Ecology believes that there are still remaining data gaps. See comment #14. However, Ecology believes that the data collected so far are sufficient for selection of a remedial alternative, though additional data might still be needed during feasibility study and/or remedial design to refine cleanup areas.	Section 9.1 has been revised. DSI believes that no further data are required for this Final RI. DSI acknowledges and agrees that the data collected as part of this RI are sufficient for selection of a remedial alternative in the FS, even though additional data may be needed during the FS and/or remedial design process in order to refine cleanup areas.	Resolved.
	F1	Figure 3-8 needs a north arrow.	A north arrow has been added to Figure 3-8.	Resolved.
	F2	Figure 4-2- see comment for Section 4.2.1. Add plan view of cross section(s) transects.	Figure G-1 is a plan view of cross-section transects and is included in Appendix G-1.	Update transect lines to align with boring/well locations per comment 14b.
	F3	Figures 4-3 and 4-4- see comment #4c regarding contouring deep and shallow monitoring wells separately.	Deep well DSI-MW-03 has been removed from Figures 4-3 and 4-4. As only one deep well was included in the tidal study, it was not feasible to develop a deep groundwater contour map using this single data point. Contour	Resolved.
	F4	Figures 7-la to 7.2i- include soil and groundwater data from adjacent sites per comment #14a.	These figures have been updated with Glacier/Reichhold data (where available for ICs). No data were available for the AML property.	See comments 3 and 14a.
	A1	Missing boring logs from 2009 (i.e. PZ-01, DSI-MW-01) and tidal data.	Boring logs from Phase 1 of the RI and the 2009 tidal (transducer) data have been added to Appendices C-1 and C-3, respectively.	Resolved.

Enclosure B

Ecology's Additional Comments on the Revised RI dated May 1, 2017

1. Section 6.1.2, Page 45. The text states that if contaminated soil is left in place as part of future cleanup action, institutional controls may be required …… Change the word "may" to "will". This is in accordance of WAC 173-340-440.
2. Section 7.3.1, Page 64, Section 7.4.2, Page 69 and Section 7.5.3, Page 79. Reword the paragraph to "It is very challenging to fully characterize the Site based on the very stringent screening levels, which might be based on PQL or natural background concentrations".
3. Section 7.5.1, Page 72. Comparisons are made to TBT in LDW surface sediments that are inaccurate based on a mistake in Table 17 of the LDW ROD. TBT in surface sediment samples ranged from 0.28 – 3,000 ug/kg (ppb). The concentrations cited in the text are 3 orders of magnitude higher. Revise text.
4. Section 8.2.1, Page 84. It states that the exceedances of total PCBs does not appear to be associated with historical shipyard operations but in Section 8.3.2.3.1, Page 90, the list of potential sources of total PCBs could easily be associated with the shipyard operations. Please clarify in Section 8.2.1 why this site is known to not have PCBs compared to common shipyard operations noted on Page 90.
5. Table 7-2. Add % to the columns of "Exceedance Frequency of Detects>2xSL and Exceedance Frequency of Non-Detects>2xSL"
6. Show navigation channel on Figures 7-3a to7-3s and all the sediment cross section figures.

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October 19, 2017

Mr. David Templeton
Anchor QEA LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Subject: Ecology Response to Schedule Extension Request for Submittal of Final RI, Agreed Order No. DE 6735, Duwamish Shipyard Inc.

Dear Mr. Templeton:

Ecology has considered your request dated October 18, 2017 for an extension of schedule, per Exhibit C under Agreed Order #6735, to complete Remedial Investigation report as requested by Ecology. Ecology approves of an extension of another 30 days to December 20, 2017 to deliver the final Remedial Investigation report for this site. Please feel free to contact me if you have any questions in meeting this timeline.

Sincerely,

Jing Liu
NWRO Toxics Cleanup Program

ecc: Kim Maree Johannessen , Johannessen & Associates, P.S.
Kyle McCleary, Duwamish Shipyard, Inc.
Ivy Anderson, AAG
Tamara Cardona-Marek, Ecology
Elly Hale, EPA Region 10
Erika Hoffman, EPA Region 10
Julia Fitts, L.G., Anchor QEA, LLC
Kellee Christensen, Anchor QEA, LLC

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February 9, 2018

Mr. David Templeton
Anchor QEA LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

RE: Comments on the December 2017 Final Remedial Investigation Report, Duwamish Shipyard, Inc., prepared by Anchor QEA LLC.

Dear Mr. Templeton:

The Washington State Department of Ecology (Ecology) has reviewed the December 2017 Final Remedial Investigation (RI) Report for the Duwamish Shipyard, Inc. site (Site). While this version of the RI has addressed most of Ecology's previous comments as sent to you on January 31, 2017 and October 5, 2017, there are still some comments which need to be addressed prior to Ecology's approval of the Final RI , see Enclosure A. In addition to Ecology's comments, Environmental Protection Agency (EPA) has provided their comments, included in Enclosure B.

Please revise the report and submit it to Ecology for review within 45 days following the issuance of this letter. I'll be happy to meet with you and discuss any questions you have. Feel free to contact me at (425) 649-4310.

Sincerely,

Jing Liu
Site Manager
NWRO Toxics Cleanup Program

Enclosures A: Ecology's comments on the December 2017 RI Report
B: EPA's comments on the December 2017 RI Report

ecc: Kim Maree Johannessen , Johannessen & Associates, P.S.
Kyle McCleary, Duwamish Shipyard, Inc.
Kellee Christensen, Anchor QEA LLC
Ivy Anderson, AAG
Tamara Cardona-Marek, Ecology
Elly Hale, EPA Region 10
Erika Hoffman, EPA Region 10

Enclosure A

Ecology's Comments on the December 2017 RI Report, Duwamish Shipyard, Inc.

1. Section 6.1.3, Page 47. Ecology has previously made several comments requiring evaluation of the potential human health direct pathway through clamming in the area along the shoreline in the southeast corner of the Site. Though this clamming area is relatively small compared with the rest of the contaminated sediment area at the Site, it should not be assumed that the clamming pathway is incomplete and insignificant. This area has been identified as clamming area by EPA in the LDW ROD to support clamming. Revise the text in the last paragraph of this section.

   Also there is no need to discuss screening levels in this section as it was covered in Section 6.2.3. Delete the last sentence.

2. Section 6.2.3, Page 57.

   a. As discussed in Comment#1, it is not correct to deem the human direct contact exposure pathway through clamming as incomplete and insignificant. Delete this sentence from the last paragraph.

   b. Sediment Screening levels, Table 6-3 provides the LDW ROD sediment cleanup levels for both clamming and net fishing for PCB and dioxins/furans. Add a note in the table to clarify which number is for clamming, and which one is for net fishing. The LDW ROD sediment cleanup levels for arsenic are the same for both clamming and net fishing. This should also be noted in the table.

   c. The potential exposure pathway from both net fishing and clamming has actually been included when developing screening levels for arsenic, PCBs and dioxins/furans, see Table 6-3. However, this was not noted in the text. The screening level for human health direct contact exposure pathway for cPAH only considered the cleanup level from the LDW ROD for net fishing, which was less stringent than the cleanup level for clamming. Ecology understands even if the more stringent cleanup level for clamming had been used during screening, the extent of the cPAH contamination in the clamming area would still likely be co-located with the area contaminated with PCBs, arsenic, and dioxins/furans since those three chemicals were all screened based on the natural background concentrations. Though Ecology does not require DSI to modify the cPAH screening level used at this time, a cleanup level and remedial alternative must be developed in the FS that addresses the clamming exposure pathway for cPAH. Also it should be noted that no samples have been collected in this clamming area; confirmation samples will be required post remedial actions to ensure that the clamming pathway has been addressed sufficiently.

d. TBT has been identified as an indicator COC in sediment at this Site, but it has not been listed as a sediment COC in the LDW ROD. Please provide a basis of the TBT screening level in the text as was done in Table 6-3.

3. Section 7. As discussed through this section, some data gaps still exist at the Site. Ecology believes that additional sampling to further characterize the arsenic groundwater contamination is needed in the southwest portion of the property prior to the start of the FS. The sampling plan should be submitted for Ecology's approval. Also additional sampling will be needed in other areas of the Site to help refine the cleanup footprint of both horizontal and vertical extent during FS or pre-remedial design.

4. Section 7.5.1, Page 76. The statement that there are no historical or ongoing sources of PCBs at DSI is not accurate. Elevated concentrations of PCBs have been detected in sediment at this Site. As stated in the text, the elevated concentrations of PCBs in the sediment may be associated with sealant, lubricants, and/or hydraulic fluid spills from the historical activities at the marine railway. In addition, it should be noted that the elevated concentrations of PCBs might also be associated with the historical operations conducted at the former dry docks and the graving dock areas at DSI. Subsurface samples collected in those areas have shown the highest PCB concentrations when compared to other areas of the Site. Paint has been considered by EPA and Ecology as a potential source of PCBs as they can be inadvertently produced during the manufacturing of paint pigments. Therefore, paint chips generated from the former dry docks and the graving dock areas could be a potential source of PCBs. Referring to material safety data sheets is not considered an accurate indicator of the presence of PCBs in paint as it is not added intentionally. Revision of the text is needed.

5. Section 7.5.2, Page 81, first paragraph, last sentence. The logic of this sentence is unclear. The depth of compliance that will ultimately be required is a separate issue from the screening level. The natural background concentration of PCBs is the correct value for determining the nature and extent of contamination. Although prop wash and vessel scour is not likely to reach down to 12 feet under current conditions, there is still a possibility that future dredging might expose the 12-foot interval. Delete this sentence.

6. Section 7.5.3, Page 83. It should be noted in the text that no core sediment samples deeper than 2 feet were collected in the marine railway due to access restrictions, and thus a data gap exists. This should be also noted in all the subsurface sediment figures. The way it is presented appears to show that the subsurface of the marine railway is cleaner than it may really be.

7. Section 7.3.1 on Page 68, Section 7.4.2 on Page 73, and Section 7.5.3 on Page 84. These sections state that it is very challenging to fully characterize the Site based on

the very stringent screening levels, which must be based on PQL or natural background concentrations. This statement is not correct. For establishment of screening levels, risk based concentrations should also be considered and compared with the PQL and natural background concentrations. The highest value is selected as the screening level. The text needs to be revised accordingly.

8. Section 7.5.3, Page 84. The vertical extent of some sediment ICs does not appear to be defined at some locations as presented in the cross section figures (e.g., Figures G-6d for PCBs at DSI-SB-08, and G-13b for TBT at DSI-SB-09). Revise the text to clarify that the vertical extent of some chemicals has not been bounded based on the existing data set. Also the phrase of "clean bottom" should be explained.

9. Section 8, Page 87. Please discuss how CUL for TBT in sediment will be developed. The text does not address TBT which has neither LDW ROD CUL nor SMS values.

10. Section 8.2.1, Page 89. The statement that there is no historical or ongoing sources of PCBs at DSI is not accurate. See Comment #4. Delete this sentence.

11. Section 8.3.2.2, Page 93. The discussion in this section should also include TBT, which is associated with the historical operations at DSI and has been identified as an indicator chemical in the sediment.

12. Figures 7-3a through 7-3u. Though the soil and groundwater data collected from the adjoining Glacier/Reichhold Site have been added to the respective COC figures, sediment COC Figures 7-3a through 7-3u have not been updated to include data collected by other parties in the vicinity of the Site (e.g., data collected at the Glacier/Reichhold Site and LDW superfund site). Per your request, Ecology agrees updating the sediment figures during development of the draft FS.

13. Figures 7-3k and 7-3l. The legend in both figures indicates that the PCB data is OC normalized and the units are mg/kg-OC. However, the data displayed at each of the sampling locations in those two figures are labeled with ug/kg. Please correct this inconsistency and ensure that the PCB data presented have been converted to OC normalized concentrations.

Enclosure B

EPA Comments on the December 2017 RI Report, Duwamish Shipyard, Inc.

Number	Section and Paragraph	Page Number	Review Comment
1.	6.1.3 (Sediment Exposure Pathways)	47	As we originally commented, direct contact dermal exposure to sediments from shellfish harvesting should be included as a potential exposure pathway given that the southern beach area at the DSI site has been identified in the Lower Duwamish ROD and the draft Final Sediment QAPP as part of baseline clamming beach subarea #4. The small size of this area, whether relative to the DSI site or clamming area #4 is irrelevant in the decision of whether it is considered a beach where the public could contact sediments during clamming. This area was identified as an intertidal area supporting clams which is accessible from the shore and was used in the human health risk assessment conducted for the LDW.
2.	6.2.3 (Sediment Screening Levels)	57	As discussed in comment #1, shellfish harvesting is a potential exposure pathway that should be considered in developing sediment screening levels for DSI. Therefore, the sediment screening level for total cPAHs should be 150 ug/kg dry weight since this is the risk-based threshold from the ROD that is protective of human direct-contact for clamming.
3.	7.5.1 (Surface Sediment Results)	75	Revise last sentence of first paragraph on page to read: "For comparison, surface sediment TBT data from other parts of the LDW ranges from 0.28 to 3,000 ug/kg." Presentation of the mean concentration here is misleading because it implies that TBT at 90 ppb is found throughout the waterway, which is not the case. The elevated concentrations of TBT found in and around DSI are the highest in the LDW (with the exception of data from 2 samples taken near harbor island from 1991 and 2004). Note also that the TBT data set for the LDW is considerably smaller than that for the other main COCs (n=189 versus n>800 for most other chemicals).
4.	7.5.1 (Surface Sediment Results)	76	Throughout this section, there is often more text dedicated to providing evidence that primary sources of sediment contamination are from outside the DSI than there is discussion of the sediment chemistry results themselves. Furthermore, much of the evidence provided is either speculative or incomplete. This can clearly be seen in the discussion of the surface sediment PCB data. For example, the potential historical contribution of outfalls 2129 (from LDW Predesign study Map 4-7 and currently designated as abandoned) and Outfall 005 (same as Outfall 006 in Figure 5-2?) near the former marine railway is not discussed this section. The argument that PCBs were not present in DSI paints because they don't appear on the MSDS ignores the possibility that PCBs could be a contaminant in the paint and that other materials processed in the dry docks could have contained PCBs. The trends indicated by the subsurface PCB

			data are not referenced. Given this, we recommend revision of the first paragraph on this page to significantly reduce speculation on sources of PCBs and to read as follows: "It is possible that elevated total PCB surface sediment concentrations in the nearshore area are the result of sealant, lubricants and /or hydraulic fluid spills from historical marine railway activities."
5.	Figures 7-3i and 7-3j		The low concentration ranges illustrated in these figures make it difficult to see any trends/patterns in surface or subsurface PCBs. Revise surface data ranges to include <2 ppb, 2-20 ppb, 20 – 200 ppb and >200ppb. Revise subsurface data ranges to include concentrations <2, 2-20 ppb; 20 – 200 ppb, 200 – 1000 ppb and > 1000 ppb.
6.	Figures 7-3k and 7-3l		The legend in each figure indicates that data presented is OC normalized (mg/kg OC) while each individual station gives concentrations as "ug/kg". Units for individual stations should be converted and data checked for accuracy. Note also that neither of these Figures depicting OC normalized PCBs is referred to in the text of the RI (page 80). Include footnote Figure 7-3l (and in text page 80) indicating that the Marine Railway subsurface samples DSIMR-05 and DSIMR-03 were only taken to 2-ft depth. Otherwise, it appears that that the maximum concentrations of nearshore PCBs were cleaner than they may really be (the green island).
7.	7.5.1 (Surface Sediment Results)	76	Revise cPAH screening level used in text and figures to be 150 ug/kg. Text should note that there have been no samples (surface or subsurface) taken from the intertidal beach area of the site.
8.	7.5.1 (Surface Sediment Results)	78	As discussed for PCBs above (comment # 4), text speculating on the source of dioxins should be removed from this section of the RI. Historical discharges associated with outfalls and dry docks could have contributed to the pattern of dioxin contamination (clearly higher concentrations adjacent to DSI and the former marine railway). Glacier as a likely source isn't necessarily supported by the surface sediment data since that would suggest that the most contaminated samples would be located in the southern part of the DSI (which is not the case).
9.	7.5.2 (Subsurface Sediment Results)	78	Text for <u>all</u> COCs should indicate whether existing data has vertically bounded the extent of contamination exceeding cleanup levels. For example, the highest levels of arsenic occur in the 8 – 10-ft depth interval. But are there data from deeper depths indicating decreasing concentrations? Given the format of the subsurface sediment figures (mapping only the maximum concentrations), it is very difficult to

			determine both the horizontal distribution and vertical extent of contamination. The only information on vertical extent is found within the tabular data (7-8 series) and, for some COCs, these data are not given sequentially according to depth. Consider including figures in the FS that illustrate subsurface data for all locations with cleanup level exceedences.
10.	7.5.2 (Subsurface Sediment Results)	79	Text describing subsurface copper data implies that exceedences of the screening level ranged from 1200 ppm – 1810 ppm. This is inaccurate as there were exceedences of the screening level at lower concentrations as well (> SL but < 1200 ppm). Please clarify this in the text.
11.	7.5.2 (Subsurface Sediment Results)	80	Indicate in text whether existing TBT data have vertically bounded the extent of contamination. Revise text at the end of the paragraph to read as follows, "TBT is generally found in sediments throughout the LDW although typically at much lower concentrations than seen at DSI. The 95th percentile of all surface sediment TBT data on the LDW is 250 ppb."
12.	7.5.2 (Subsurface Sediment Results)	80	Indicate in text for PCBs whether existing data has vertically bounded the extent of contamination (based on Figure G-6d, this does not appear to be the case). This text should resemble that provided for PAHs (page 81). While there are no apparent trends in PCBs for the surface sediments, the subsurface sediments tell a very different story. Based on Figure 7-3j (subsurface PCBs dry wt.) the most contaminated area of PCBs are found between the former dry docks and just offshore of the marine railway. This subsurface contamination corroborates existing LDW RI subsurface data from this area. Indeed, it is important to recognize that in the LDW RI data set, there is no other area on the west side of the waterway with subsurface PCB contamination as high as that adjacent to DSI/AML. Therefore, in addition to discussing Glacier, text should acknowledge likely historical sources of PCBs from the DSI area that may account for these subsurface trends in contamination.
13.	7.5.2 (Subsurface Sediment Results)	81	Please remove the following speculative text which appears to discount the need for removal of subsurface contamination: Overall, the most significant subsurface impacts by total PCBs at the Site occur between 4 and 10 feet below the mudline adjacent to the Site, with some observed impacts as deep as 12.6 feet (at DSI-SB-09). ~~Because propwash and vessel scour do not penetrate to these depths, subsurface sediment adjacent to the Site is unlikely to be exposed to benthic or human receptors (EPA 2014), and therefore the PCB screening level – which is set at the natural~~

			~~background level – is impractical for bounding the true nature and extent of PCB contamination and for informing the need for or extent of future cleanup at the Site.~~ Please add text clarifying why samples in the intertidal area of the former DSI marine railway were only collected within the top two feet and that this approach may have missed deeper contamination in this area and therefore represents a data gap.
14.	7.5.2 (Subsurface Sediment Results)	83	Text states: "Elevated dioxin/furan concentrations also were observed immediately adjacent to the Site, but at much lower levels and at shallow depths (213 ng/kg at DSIMR-01 and 119 ng/kg at DSIMR-02, both at 0 to 2 feet below the mudline)." Please clarify that these marine railway samples were only taken to a depth of 2 feet and dioxin contamination may occur beneath this elevation at these locations. Dioxins/furan, while not a primary contaminant associated with DSI, are nevertheless contaminants associated with stormwater runoff and drydock activites. Therefore, please delete the following text: ~~Because there are no known upland sources of dioxins/furans at the Site, the adjacent Glacier/Reichhold Site is considered a potential source for dioxin/furan sediment contamination at the Site~~. Please clarify why text at the end of this section specifically describes dioxins/furans being widespread throughout the LDW navigation channel. Aren't they widespread throughout the LDW?
15.	7.5.3 (Sediment Data Gaps)	84	Text at top of page states: "The vertical extent of sediment ICs, though defined at each location and for each chemical by a "clean bottom" sample, is typically correlated with the presence of native LDW sands at the base of subsurface cores (not always captured during sampling)". The vertical extent of contamination does not appear to be defined at each location as documented in cross section Figures G-6d (PCBs) and G-13b (TBT). Revise text to clarify that the vertical extent of some chemicals has not been bounded in the existing data set.
16.	8 (CSM)	87	Please add text discussing how CULs for TBT in sediment will be developed? The first bullet on this page doesn't address TBT which has neither LDW ROD Cleanup levels nor SMS values.

17.	8.2.1 (On-site Sources of Contamination)	89	Suggest deleting sentence stating that "No historical or ongoing source of PCBs has been identified at the Site" because PCBs are contaminants frequently associated with dry dock discharges and storm water outfalls.
18.	8.3.2.2 (Chemical Conceptual Site Model	93	Why is there no discussion in this section of the chemicals specific to the DSI site, such as TBT, As, Zn and Cu?
19.	8.3.2.2.1 (Contaminant Distribution Patterns)	94	Text in the 2nd paragraph on this page states: "Based on the surface sediment data, the Site can be characterized as having localized areas of relatively high contaminant concentrations ("hotspots") separated by relatively large areas with lower contaminant concentrations" Clarify what is meant by "relatively large areas with lower contaminant concentrations". For which COC's does this hold true? This is certainly not the case for one of the main Site COCs, TBT.
20.	8.3.2.3.3 (Exposure Pathways)	97	Please delete the sentence which reads: "Future shellfish harvesting (e.g., clamming) in intertidal areas of to the Site is unlikely, as access to nearshore sediments is limited due to the presence of shoreline armoring (e.g., riprap) and these areas are controlled by the uses of the upland portions of the Site." based on our earlier comments #1 and #2.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Ave SE • Bellevue, WA 98008-5452 • 425-649-7000
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

March 13, 2018

Mr. David Templeton
Anchor QEA LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Subject: Ecology Approval of Schedule Extension Request for Submittal of Final RI, Agreed Order No. DE 6735, Duwamish Shipyard Inc.

Dear Mr. Templeton:

Ecology has considered your request dated March 9, 2018 for an extension of schedule, per Exhibit C under Agreed Order #6735 to complete the final Remedial Investigation report as requested by Ecology. Ecology approves of an extension of another 60 days to May 25, 2018 to deliver the final Remedial Investigation report for this site. Please feel free to contact me at (425) 649-4310 if you have any questions in meeting this timeline.

Sincerely,

Jing Liu
Site Manager
NWRO Toxics Cleanup Program

ecc: Kim Maree Johannessen , Johannessen & Associates, P.S.
Kyle McCleary, Duwamish Shipyard, Inc.
Julia Fitts, Anchor QEA LLC
Ivy Anderson, AAG
Tamara Cardona-Marek, Ecology
Elly Hale, EPA Region 10
Erika Hoffman, EPA Region 10

From: Liu, Jing (ECY)
To: David Templeton; Julia Fitts
Cc: Kim Johannessen; Anderson, Ivy (ATG); Cardona-Marek, Tamara (ECY); Kyle McCleary
Subject: DSI RI Report Revisions
Date: Wednesday, August 22, 2018 8:19:28 AM

Hi David and Julia,

Thanks again for coming to Ecology last Wednesday to discuss options on revising the May 2018 RI report for DSI. We totally understand that you folks want to make the statements in this report consistent with what you have in your allocation report. However, as we discussed and agreed on during the meeting, this is a technical report and its purpose is to collect sufficient data for selection of a remedial action, any legal conclusions should be kept out of the report. Since we discussed the issues associated with Section 8 of the report during the meeting, my comments below are focusing on the language added in Sections 3 and 7. Please note that my comments are based on a review of the redline version of the report. Let me know if you have any questions. I'll be happy to go through them with you.

Thanks!

Jing Liu
Toxics Cleanup Program, Northwest Regional Office
Washington State Department of Ecology
3190 160th Ave SE
Bellevue, WA 98008
Phone: (425) 649-4310

Ecology's draft comments on Sections 3 & 7 of the DSI May 2018 RI Report

Section 3

1. Section 3.3.2 P16. The language added is intended to provide evidence that there could be other sources contributing to the sediment contamination in the vicinity of DSI. However, the evidence is still speculative, data needs to be provided.

Section 7

1. Section 7.3, P66, 2nd Paragraph. It says that moderate total PCB impacts are also observed in the former UST area at location DSIP2-06. It is not clear what moderate total PCB impact means, relative to what criteria. Also the last sentence of this paragraph says that lower screening level exceedances are observed at locations along the Site's southern boundary; however, it does not provide a concentration range to define the lower screening level exceedances. Revise the two sentences.
2. Section 7.3, P66, 3rd Paragraph. The locations of the samples collected at Glacier/Reichhold site should be presented in Site figures.
3. Section 7.3, P67, 1st Paragraph. The first sentence states that the pattern of PCB screening level exceedances observed in much of the upland area of DSI largely driven by non-detect concentrations and is not representative of Site-wide PCB impacts and/or upland sources of PCBs to soil. This is not correct. Page 65 states that PCBs have been detected in 20 out of 76 soil samples collected at DSI. Also Page 66 states that elevated concentration of PCB at Boring DSI-03 maybe related to former electrical equipment such as transformers, capacitors used in this area. It appears that there are some potential PCB sources at the Site. Delete or reword this sentence.
4. Section 7.4.2, P76 stated that results from investigations in the former Rail spur area (including results from the Glacier/Reichhold site) do not indicate a specific soil source of the elevated dissolved arsenic observed in boring DSIP2-13, but then later under Section 8.2.1, Page 97, it states that the exceedances appear to be primarily related to localized elevated soil concentration in the former Reichhold rail spur footprint. The two

statements appear to be conflicting and need to be revised.

5. Section 7.4.2 P76 Groundwater flow direction is not consistent in this section. The last paragraph on this page states that groundwater gradients measured at the DSI Site and the Glacier/Reichhold Site indicate that groundwater generally flows eastward toward the LDW, but the next sentence states that results of groundwater gradient measurements indicate that Glacier/Reichhold site groundwater flows north/northwest onto the DSI Site in the vicinity of the former Rail spur area. Also it should be noted that flow direction might be tidal influenced, especially in the nearshore area.
6. Section 7.4.2 P77 1st Paragraph. Since the nature and extent of the arsenic contamination in groundwater at the southwest portion of the property is still not known, delete the sentence "These results indicate that DSI Site groundwater, including elevated concentrations of dissolved arsenic in the former Rail Spur area are not a threat to groundwater quality on the Glacier/Reichhold Site". Also it should be noted that Ecology required additional sampling in a letter dated February 9, 2018 to DSI, to further characterize the arsenic groundwater contamination in the southwest portion of the property prior to start of the FS.
7. Section 7.5.1 P79, 2nd Paragraph, add a reference to the TBT concentration range detected at LDW.
8. Section 7.5.1 P80, 2nd Paragraph, the discussion regarding PCB sources here is redundant with Section 8.3.2.1 on P97. Delete it.
9. Section 7.5.1 P83, 1st Paragraph. It states that there are confirmed sources of dioxins/furans in the adjacent and upstream sediment and upland areas of the Glacier/Reichhold Site, but there is no known upland source of dioxins/furans at the DSI property, the adjacent Glacier/Reichhold Site is considered a potential source of dioxins/furans at the Site. As previously commented by EPA, historical discharges associated with outfalls and dry dock activities could have contributed to the pattern of dioxin/furan contamination, as evidenced by the higher concentrations in the area adjacent to DSI and the marine railway. Delete or revise this sentence.
10. Section 7.5.2. Add a note at the beginning of this section that subsurface sediment samples were not collected deeper than 2 feet below mudline in the marine railway area, so that readers won't be misled and assume it is clean.
11. Section 7.5.2 P85, 2nd Paragraph, add a reference to the TBT information related with LDW.
12. Section 7.5.2 P86, 1st Paragraph. Please justify why PCB impacts at the Site do not correlate well with those of TBT, copper, or zinc.
13. Section 7.5.2 P89, 2nd Paragraph. See comment #9.

From: Liu, Jing (ECY)
To: Julia Fitts; David Templeton
Cc: Cardona-Marek, Tamara (ECY)
Subject: RE: Duwamish Shipyard: Revised Final RI Report text
Date: Thursday, January 17, 2019 9:30:11 AM

Hi Julia and David,

Tamara and I talked to Ivy. For all the previous versions of the RI reports you sent to Ecology, it will be considered "Agency Review" draft. The new version that you are going to provide to Ecology this time should be named as "Public Review" draft since all Ecology's comments/concerns on the previous versions should have been addressed and this document should be ready for public comment. However, please note that the document is still subject to changes depending on comments received during public comment period. Also please make some more edits before you submit the report to Ecology. The revised text Julia emailed to me on January 8, 2019 still references this report as "Final" in three places. The word "Final" should be taken out. See below.

- Section 1, Page 1, 1st Paragraph, last sentence.
- Section 1.1, Page 1, 1st Paragraph, 1st sentence.
- Section 1.1, Page 2, 2nd Paragraph, Row 13.

After you make the changes, please proceed with submittal of the report. Let me know if you have any questions. Thanks!

Jing Liu
Toxics Cleanup Program, Northwest Regional Office
Washington State Department of Ecology
3190 160th Ave SE
Bellevue, WA 98008
Phone: (425) 649-4310

From: Liu, Jing (ECY)
Sent: Wednesday, January 16, 2019 1:13 PM
To: 'Julia Fitts' <jfitts@anchorqea.com>
Cc: David Templeton <dtempleton@anchorqea.com>
Subject: FW: Duwamish Shipyard: Revised Final RI Report text

Hi Julia,

Please hold on to the change that I want you to make on the document title from my previous email that I sent to you an hour ago today. Tamara wants me to check with our AG. I'll let you know once I hear back from her. Thanks!

Jing

From: Cardona-Marek, Tamara (ECY)
Sent: Wednesday, January 16, 2019 12:40 PM
To: Liu, Jing (ECY) <JLIU461@ECY.WA.GOV>
Cc: Anderson, Ivy (ATG) <IvyA@ATG.WA.GOV>
Subject: RE: Duwamish Shipyard: Revised Final RI Report text

Jing,
Can you check with Ivy to make sure it is ok to public comment a document called "agency review"? we may want to change it to "public review" because "agency review" may imply the agency has not reviewed it.

Tamara Cardona, PhD
Aquatics Unit Supervisor
TCP/NWRO
425-649-7058

From: Liu, Jing (ECY) <JLIU461@ECY.WA.GOV>
Sent: Wednesday, January 16, 2019 12:05 PM
To: Julia Fitts <jfitts@anchorqea.com>
Cc: David Templeton <dtempleton@anchorqea.com>; Cardona-Marek, Tamara (ECY) <TACA461@ECY.WA.GOV>
Subject: RE: Duwamish Shipyard: Revised Final RI Report text

Hi Julia,

Your edits look good. I just checked the revised AO schedule (modified on 3/16/2015), the RI document referenced there is called Agency Review Draft Remedial Investigation Report. Please change it accordingly through the document, and then you can send me the finalized report for formal submittal.

I think we are on the same page regarding the requirements of additional TBT and arsenic investigations. Ecology will require those work as a contingency in the RI approval letter this time. Let me know if you have any questions. Thanks!

Jing Liu
Toxics Cleanup Program, Northwest Regional Office
Washington State Department of Ecology
3190 160th Ave SE
Bellevue, WA 98008
Phone: (425) 649-4310

From: Julia Fitts [mailto:jfitts@anchorqea.com]
Sent: Tuesday, January 08, 2019 3:22 PM
To: Liu, Jing (ECY) <JLIU461@ECY.WA.GOV>
Cc: David Templeton <dtempleton@anchorqea.com>; Cardona-Marek, Tamara (ECY) <TACA461@ECY.WA.GOV>

Subject: RE: Duwamish Shipyard: Revised Final RI Report text

Hi Jing,
We have revised the RI text in accordance with Ecology's additional comments (i.e., those provided via email on 11/2/2018 and 11/15/2018). The redline document is attached. If you agree with these text edits, we will proceed with finalizing the document and will provide the RI Report as a formal submittal (PDF with all figures, tables, etc).

To follow up on our discussions regarding additional TBT and arsenic investigations at DSI, we have assumed that Ecology will be requiring that work as a contingency (i.e., for final RI approval) in the RI approval letter. Do you plan to require that work as a Supplemental RI? We would like to refer to that work (and our discussions this fall) in our RI cover letter, which will be attached to the final submittal. Just want to make sure we are on the same page. Feel free to give me or David a call to discuss if that would be easier.

Thanks,
Julia

Julia Fitts, L.G.

ANCHOR QEA, LLC
jfitts@anchorqea.com
D 360.715.2708

From: Liu, Jing (ECY) <JLIU461@ECY.WA.GOV>
Sent: Tuesday, January 8, 2019 2:13 PM
To: Julia Fitts <jfitts@anchorqea.com>
Cc: David Templeton <dtempleton@anchorqea.com>; Cardona-Marek, Tamara (ECY) <TACA461@ECY.WA.GOV>
Subject: RE: Duwamish Shipyard: Revised Final RI Report text

Hi Julia,

I just want to follow up with my previous email. I don't think I have received the finalized RI report yet. Could you please provide me an update? Thanks!

Jing Liu
Toxics Cleanup Program, Northwest Regional Office
Washington State Department of Ecology
3190 160th Ave SE

Bellevue, WA 98008
Phone: (425) 649-4310

From: Liu, Jing (ECY)
Sent: Thursday, November 15, 2018 2:45 PM
To: 'Julia Fitts' <jfitts@anchorqea.com>
Cc: 'David Templeton' <dtempleton@anchorqea.com>; Cardona-Marek, Tamara (ECY) <TACA461@ECY.WA.GOV>
Subject: RE: Duwamish Shipyard: Revised Final RI Report text

Hi Julia,

Just want to follow up with my previous email. When you revise the report, please take out the word "Final" from the report title. Also do a search throughout the document, and delete the word accordingly. We can't call this document final at this time since it still needs to go through public review first.

Thanks!

Jing Liu
Toxics Cleanup Program, Northwest Regional Office
Washington State Department of Ecology
3190 160th Ave SE
Bellevue, WA 98008
Phone: (425) 649-4310

From: Liu, Jing (ECY)
Sent: Friday, November 02, 2018 10:58 AM
To: 'Julia Fitts' <jfitts@anchorqea.com>
Cc: David Templeton <dtempleton@anchorqea.com>; Cardona-Marek, Tamara (ECY) <TACA461@ECY.WA.GOV>
Subject: RE: Duwamish Shipyard: Revised Final RI Report text

Hi Julia,

I have some comments on the revised RI you emailed me on October 18, 2018. I think all the comments can be addressed through a quick fix, let me know if you have any questions. Thanks!

- Section 6, Page 44, 2nd paragraph, last sentence. It says that DSI anticipates that the final sediment CULs for the Site will be based on the RALs in the ROD. As we talked before, the final sediment CULs for the Site will be based on the LDW ROD CULs though the ROD RALs are likely to be used to identify the footprint for the active remedial action. Delete or revise the sentence.

- Section 7.5.2, Page 80, 1st paragraph. DSI-SB-10 was referenced twice in this paragraph. It was

first said that this location was at the base of a steep slope between the two former DSI dry docks, but then it says that this location was located up the slope. This is conflicting and needs to be revised accordingly.

- Section 7.5.2, Page 82, last paragraph. It says that PCBs also have higher magnitudes of screening level exceedances (and more maximum values per location) than TBT, arsenic, copper and zinc at most downstream locations. It's not clear what you mean by the more maximum values per location. Is it associated with the maximum values at different depth intervals at those locations? Please clarify.

- Section 8, Page 90, the second bullet under the 2nd paragraph. It says that the surface water ARARs are for protection of human health and aquatic benthic organisms. Delete the word "benthic".

- Section 8.2.2, Page 94, 3rd paragraph. Reference Table H-4 by adding its appendix # so that readers know where to find it since it is not included in the list of Tables under the Table of Content.

Jing Liu
Toxics Cleanup Program, Northwest Regional Office
Washington State Department of Ecology
3190 160th Ave SE
Bellevue, WA 98008
Phone: (425) 649-4310

From: Julia Fitts [mailto:jfitts@anchorqea.com]
Sent: Thursday, October 18, 2018 11:21 AM
To: Liu, Jing (ECY) <JLIU461@ECY.WA.GOV>
Cc: David Templeton <dtempleton@anchorqea.com>
Subject: Duwamish Shipyard: Revised Final RI Report text

Good morning, Jing,

Attached per your request is the revised Final RI Report for the Duwamish Shipyard, Inc. (DSI) Site. This clean copy of the text incorporates all revisions that we (DSI, Anchor QEA, and DSI's legal counsel) discussed with Ecology and the AAG during our in-person meeting on August 15, 2018 and during subsequent communications (emails and calls) with Ecology in August, September and October 2018.

Please let me know if you have any questions, if I can provide any other information, and when we can prepare a formal submittal copy for Ecology (will be dated with the current month).

Thank you,
Julia

Julia Fitts, L.G.

ANCHOR QEA, LLC
jfitts@anchorqea.com
1605 Cornwall Avenue
Bellingham, WA 98225
T 360.733.4311
D 360.715.2708
M 719.659.6308

From: Liu, Jing (ECY)
To: Julia Fitts
Cc: David Templeton; Cardona-Marek, Tamara (ECY)
Subject: RE: Duwamish Shipyard: Revised Final RI Report text
Date: Thursday, November 15, 2018 2:44:45 PM

Hi Julia,

Just want to follow up with my previous email. When you revise the report, please take out the word "Final" from the report title. Also do a search throughout the document, and delete the word accordingly. We can't call this document final at this time since it still needs to go through public review first.

Thanks!

Jing Liu
Toxics Cleanup Program, Northwest Regional Office
Washington State Department of Ecology
3190 160th Ave SE
Bellevue, WA 98008
Phone: (425) 649-4310

From: Liu, Jing (ECY)
Sent: Friday, November 02, 2018 10:58 AM
To: 'Julia Fitts' <jfitts@anchorqea.com>
Cc: David Templeton <dtempleton@anchorqea.com>; Cardona-Marek, Tamara (ECY) <TACA461@ECY.WA.GOV>
Subject: RE: Duwamish Shipyard: Revised Final RI Report text

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- Section 7.5.2, Page 80, 1st paragraph. DSI-SB-10 was referenced twice in this paragraph. It was first said that this location was at the base of a steep slope between the two former DSI dry docks, but then it says that this location was located up the slope. This is conflicting and needs to be revised accordingly.

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screening level exceedances (and more maximum values per location) than TBT, arsenic, copper and zinc at most downstream locations. It's not clear what you mean by the more maximum values per location. Is it associated with the maximum values at different depth intervals at those locations? Please clarify.

- Section 8, Page 90, the second bullet under the 2nd paragraph. It says that the surface water ARARs are for protection of human health and aquatic benthic organisms. Delete the word "benthic".

- Section 8.2.2, Page 94, 3rd paragraph. Reference Table H-4 by adding its appendix # so that readers know where to find it since it is not included in the list of Tables under the Table of Content.

Jing Liu
Toxics Cleanup Program, Northwest Regional Office
Washington State Department of Ecology
3190 160th Ave SE
Bellevue, WA 98008
Phone: (425) 649-4310

From: Julia Fitts [mailto:jfitts@anchorqea.com]
Sent: Thursday, October 18, 2018 11:21 AM
To: Liu, Jing (ECY) <JLIU461@ECY.WA.GOV>
Cc: David Templeton <dtempleton@anchorqea.com>
Subject: Duwamish Shipyard: Revised Final RI Report text

Good morning, Jing,

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Please let me know if you have any questions, if I can provide any other information, and when we can prepare a formal submittal copy for Ecology (will be dated with the current month).

Thank you,
Julia

Julia Fitts, L.G.

ANCHOR QEA, LLC
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D 360.715.2708
M 719.659.6308

ANCHOR QEA, LLC

From: Liu, Jing (ECY)
To: Julia Fitts
Cc: David Templeton; Cardona-Marek, Tamara (ECY)
Subject: RE: Duwamish Shipyard: Revised Final RI Report text
Date: Friday, November 2, 2018 10:58:23 AM

Hi Julia,

I have some comments on the revised RI you emailed me on October 18, 2018. I think all the comments can be addressed through a quick fix, let me know if you have any questions. Thanks!

- Section 6, Page 44, 2nd paragraph, last sentence. It says that DSI anticipates that the final sediment CULs for the Site will be based on the RALs in the ROD. As we talked before, the final sediment CULs for the Site will be based on the LDW ROD CULs though the ROD RALs are likely to be used to identify the footprint for the active remedial action. Delete or revise the sentence.

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- Section 8.2.2, Page 94, 3rd paragraph. Reference Table H-4 by adding its appendix # so that readers know where to find it since it is not included in the list of Tables under the Table of Content.

Jing Liu
Toxics Cleanup Program, Northwest Regional Office
Washington State Department of Ecology
3190 160th Ave SE
Bellevue, WA 98008
Phone: (425) 649-4310

From: Julia Fitts [mailto:jfitts@anchorqea.com]
Sent: Thursday, October 18, 2018 11:21 AM

To: Liu, Jing (ECY) <JLIU461@ECY.WA.GOV>
Cc: David Templeton <dtempleton@anchorqea.com>
Subject: Duwamish Shipyard: Revised Final RI Report text

Good morning, Jing,

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Please let me know if you have any questions, if I can provide any other information, and when we can prepare a formal submittal copy for Ecology (will be dated with the current month).

Thank you,
Julia

Julia Fitts, L.G.

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jfitts@anchorqea.com
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Bellingham, WA 98225
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