MEMORANDUM

DATE: October 21, 2026

TO: Cliff Nale, LG; Washington State Department of Ecology

CC: Pete Stoltz & Debbie Murphy, CalPortland Company

FROM:

Andrew Yonkofski, LHG
Associate Hydrogeologist
andrew@blackriverenv.com

Jeremy Porter, PE
Principal Engineer
jeremy@blackriverenv.com

RE: **Arsenic CSM Along T115 Property Boundary**
Glacier Northwest, Inc. Site
5900 W. Marginal Way SW, Seattle, Washington
Agreed Order No. DE 6000
Project No. 25006

This memorandum was prepared at the request of the Washington State Department of Ecology (Ecology) in response to certain comments by the Port of Seattle (Port) on the Public Review Draft Remedial Investigation (RI) Report (ERM-West, Inc. [ERM], 2024) for the Glacier Northwest, Inc. Site (the Glacier Site) relating to the potential for arsenic contamination from the Glacier Site to extend onto Terminal 115 (T115).

A Site, as defined by the Model Toxics Control Act (MTCA) is "any area where a hazardous substance has been deposited, stored, disposed of, placed, or otherwise come to be located", and the Glacier Site is associated with King County Tax Parcel No. 1924049292, located at 5900 West Marginal Way SW in Seattle, Washington (the Glacier Property). The T115 Property is the adjacent property to the south of the Glacier Property (Figure 1). The T115 Property includes two MTCA Sites: the T115 North Site (T115N Site) and the T115 Plant 1 Site (T115P1 Site). This memorandum specifically addresses Port comments #2, # 8, #10, #11, and #15 as well as materials and information presented by the Port to Ecology and shared by Ecology in meetings on August 6 and September 17, 2026 (both are provided in Attachment A for reference).

Based on the analysis of available soil and groundwater chemical data and the hydrogeologic conditions on each Site described below, we conclude that the vast majority of arsenic occurrences on the T115 Property are from sources not related to the Glacier Site. This conclusion is based on multiple lines of evidence:

1. **Arsenic occurrences throughout the majority of the T115 Property are attributable to T115 sources**, including the tin reclamation facility and widespread incorporation of cement kiln dust (CKD) into fill materials, based on co-located contaminants. Notably, the highest detections of arsenic in soil and groundwater coincide with exceedances of lead and/or other metals such as antimony, cadmium, mercury, and selenium (as well as total petroleum hydrocarbons [TPH]), which are clearly not sourced from the Glacier Site. Additionally, there is clear evidence of impacts (tin) from the T115N Site in all shallow monitoring wells impacted with arsenic that are north of the historical tin reclamation facility operations.
2. **Limited Potential for Contaminant Transport from Glacier to T115 via Soil Erosion:** The grade of the T115N Site has generally been higher than the Glacier Property throughout its history, and there was an earthen berm and/or drainage ditch separating the two properties throughout much of their history.
3. **Limited Potential for Contaminant Transport from Glacier to T115 via Groundwater:** This conclusion is based on (a) groundwater has been flowing to the north for a longer period than it would have flowed southeast (54 years vs. 36 years), (b) during that time, the gradient and flow velocity has been greater to the north than it has been from the Glacier Property to the south, (c) the elevated pH in soil and groundwater on the T115N Site would have resulted in greater mobility of metals in groundwater, and (d) even if the historical flow direction was to the southeast, there are arsenic impacts in soil and groundwater on the western side of the T115N Site that would not be attributable to the historical groundwater flow path.

Background

This section summarizes the development and operational histories of the Glacier Property and the T115 Property, particularly as they relate to potential sources of arsenic contamination at each property. The information contained herein is largely summarized from the Public Review Draft RI Report (ERM, 2024) for the Glacier Site, the Public Review Draft RI Report (GeoEngineers, Inc. [GeoEngineers], 2024) for the T115N Site, and the

Terminal 115 Environmental Conditions Report (ECR; SoundEarth Strategies, Inc. [SES], 2011) for the T115N and T115P1 Sites.

Glacier Northwest, Inc. Site

Site background information, including the Glacier Site location, land use, operational history, regulatory history, infrastructure, and a description of adjacent sites, is provided in the Public Review RI Report (ERM, 2024), and summarized below.

Between 1913 and 1922, the United States Army Corps of Engineers (USACE) conducted initial dredging of the Lower Duwamish Waterway (LDW) to straighten and deepen the waterway. A wooden bulkhead was constructed along the shore on the Glacier Property before 1922 and was likely constructed on top of the original land surface, now referred to as the silt aquitard, with the bulkhead posts driven into the aquitard to an unknown depth. The bulkhead would have served to retain dredged material placed over the silt aquitard on the upland portion of the Glacier Property.

There is no documentation of operations occurring on the Glacier Property between the time dredged fill was placed and approximately 1936, when the Mineralized Cell Wood Preserving Company (Mineralized-Cell) began wood preserving operations. Mineralized-Cell operated a wood preserving facility on a portion of the Glacier Property between approximately 1936 and 1939. Historical records, including a copy of the U.S. Patent issued to Mineralized-Cell, indicate that the wood preservation process involved “the forcing into logs under pressure of a solution consisting of arsenic, copper sulfate, zinc sulfate and eight other unnamed chemicals.” Surface releases of preservative are likely to have occurred in the log treatment area based on the patent description for the treatment process, knowledge of practices typical at that time, and a photograph taken of the operation during this period. The log treatment area is shown on Figure 1.

In April 1940, Carlisle Lumber Company (Carlisle) was awarded Educational Contract No. W266 CWS4 by the Chemical Warfare Service (CWS), a division of the United States Army. The Educational Contract required that Carlisle construct a plant to make charcoal and activated carbon impregnated with copper or copper, silver, and chromium (known as whetlerite) for use in gas masks. Carlisle constructed the charcoal and whetlerite plant in the northern portion of the Glacier Property beginning in 1940 or 1941 and completed in early 1942. The plant became known as the Seattle CWS Plant and included a manufacturing area, laboratories, warehouses, offices, chemical storage, underground storage tanks, and railroad spurs. A Pollution Control Commission report from 1945 notes that they were disposing of waste charcoal on the southern portion of the Glacier Property,

and this waste charcoal could have included spent charcoal from quality control testing, which utilized several chemicals including arsine gas, which was conducted in the laboratories. When the Educational Contract ended, the CWS awarded a production contract to Carlisle that ran from August 1942 to February 1943. At the end of the Carlisle production contract, the U.S. purchased the Glacier Property, modified the Seattle CWS Plant, and awarded a new production contract to the Crown Zellerbach Corporation, who operated the Seattle CWS Plant until November 1944, at which time the Seattle CWS Plant was placed on standby status.

Reichhold, Inc. (Reichhold) leased the Glacier Property from the U.S. between 1946 and 1961. Reichhold used the Glacier Property to manufacture resins, glues, formaldehyde, pentachlorophenol (PCP), and sodium pentachlorophenate; however, PCP was only manufactured between 1953 and 1956. Former operational features during Reichhold's lease included two aboveground storage tank farms, a washwater impoundment, a plywood animal glue production area, a resin production area, a process water outfall, and PCP and sodium pentachlorophenate production areas. A Pollution Control Commission memorandum dated September 27, 1961, indicates Reichhold had terminated production activities and was using the Glacier Property only for office and laboratory functions.

In 1964, the Port acquired the upland portion of the Glacier Property and leased it to Kaiser Cement & Gypsum Corporation (Kaiser), which was obligated under the terms of the lease to redevelop the Glacier Property. Kaiser demolished all existing buildings on the Glacier Property and conducted substantial earthwork in the northern portion of the Glacier Property where the facilities utilized by the Seattle CWS Plant and Reichhold were located. Kaiser completed construction of the cement terminal by 1969, which included 19 storage silos, a scale house, a conveyor system, a shop building, and a dock.

Changes to the shoreline of the Glacier Property are also evident during construction of the cement terminal as shown in aerial photographs from 1966 and 1968. The photographs show the upland portion of the Glacier Property was expanded to the east into the LDW as part of the redevelopment. The 1967 aerial photographs appear to show stockpiled soil in the central portion of the Glacier Property, presumably from the excavation to support the construction of the cement terminal, which was placed along the riverbank into the Embayment to establish a new eastern shoreline.

The cement terminal became operational around 1968 or 1969 and continues to be operated in substantially the same form through present day. In 1973, the Port sold the Glacier Property to Kaiser. Kaiser operated the cement terminal until it sold the Glacier Property to Lone Star Industries, Inc. (Lone Star) in 1987. Between April 1987, and October

1991, Ash Grove West, Inc. (Ash Grove) leased the Glacier Property from Lone Star for continued use as a cement terminal. Glacier Northwest, Inc. acquired the Glacier Property in April 1991 and terminated the lease held by Ash Grove in October 1991, and their ownership and operations at the Glacier Property continue through the present day.

Terminal 115 Property

The T115N portion of the T115 Property was constructed prior to and independently of the larger T115 Property infilling, and this section summarizes the development history of each, as well as the construction of the 48-inch diameter stormwater main that runs along the northern T115 Property boundary. The information contained in these sections is largely summarized from the Public Review Draft RI Report (GeoEngineers, 2024) and T115 ECR (SES, 2011) for the T115N Site and the T115 ECR for the T115P1 Site. Aerial photographs from the T115 ECR are included as Attachment B for reference.

T115N Site

The first available historical development information for the T115N Site is the 1922 aerial photograph which shows that the western portion of the T115N Site had been filled behind the same wooden bulkhead that extended onto the Glacier Property (Figure 1). The aerial photographs from this time indicate that the T115N Site appeared to be at a greater elevation than the Glacier Property and that an earthen berm had been constructed around the edges of the T115N Property (Attachment B; Photo A-1).

Between 1961 and 1965, the shoreline of the T115N Site was expanded eastward into the LDW as the T115N Site was developed. Beginning in 1963, a detinning plant was constructed and operated at the T115N Site. The facility recycled tin by dissolving the tin coating on waste metal in a solution containing caustic lye and separating the tin from solution via electrowinning (GeoEngineers, 2024). The detinning process occurred in the central portion of the T115N Site in the process building, which still exists (Figure 1). Other operational features from the detinning plant included a plating room and an area where caustic lye and metal materials were mixed inside the process building, up to sixteen aboveground storage tanks (ASTs) where storage and processing of acids and bases occurred, and three ponds used for settling of waste sludge (black mud) generated by the operation (Figure 1). The settling ponds were constructed as part of the original development and were filled by 1972. Wastewater was reportedly released into the LDW from a wastewater system located at the facility until the wastewater was diverted to the King County Metro system by 1991 (SES, 2011). Since at least 1972, a filter press was

installed at the facility, and the black mud was dewatered to form a semi-dry cake that was stockpiled at the eastern end of the T115N Site (GeoEngineers, 2024).

The detinning facility operated under various owners between 1963 and 1998. Since that time, the T115N Site has been leased to various businesses including a heavy equipment components distributor and a distributor of untreated lumber.

T115P1 Site

The T115P1 Site encompasses a large area that extends as far south as SW Michigan St. This section focuses on the developmental history of the northern portion of the T115P1 Site, as it relates to potential sources of arsenic contamination along the share boundary with the Glacier Property.

Prior to the channelization and dredging of the LDW, the T115 Property was located in a large oxbow of the Duwamish River. The initial dredging and straightening of the LDW by USACE occurred starting in 1913 and continuing through the early 1920s. By 1922, the wooden bulkhead that formed the historical shoreline had been installed and the area west of the bulkhead had been filled, presumably with dredged material. By 1936, Foss Island had been created out of riverbank material and likely dredge spoils (SES, 2011).

Infilling of the T115 Property continued throughout the 1930s to 1960s. Aerial photographs from 1953 depict suspected land reclamation dewatering lagoons on Foss Island (Attachment B, Photo A-4). By 1956-57, Foss Island had been connected to the area to the west by infilling activities, and by a 1961 aerial photograph, two large dewatering lagoons were present on Foss Island (Attachment B, Photo A-5). By 1965, the entirety of Foss Island was covered in dewatering lagoons. Construction of the current T115 upland property reportedly began in November 1969 and included excavation of 322,000 cubic yards (CY) of unusable bank material, dredging, and filling the T115 Property with 722,000 CY of dredge spoils and 1,100,000 CY of off-site fill material. As shown in aerial photographs from 1970, a large retaining dike was built across the current shoreline of the T115 Property, with dewatering lagoons behind them (Attachment B, Photo A-7). The lagoons were reportedly installed to allow silt to settle before the water was pumped and discharged to the LDW. By late 1970, the current extents and shoreline of the T115 Property had been established (Attachment B, Photo A-8).

In at least two reports, CKD has been identified as fill material used on the T115 Property and surrounding vicinity (SES, 2011). A report produced for the City of Seattle indicates that CKD was used as fill material in the northern portions of the T115 Property. Likewise, the Port has records that CKD was listed as a fill material that was imported to the Site in 1963

to backfill dewatering lagoons. This was during the same time period that T115N was filled and developed into a detinning facility.

Seattle Public Utilities (SPU) 48-inch Stormwater Main

In 1972, the Port installed a 48-inch diameter, reinforced concrete pipe stormwater main along the northern boundary of the T115 Property, as shown on Figure 1. Following installation, the Port ceded ownership and maintenance of the stormwater main to the City of Seattle (and is now owned and maintained by SPU). As-built drawings indicate that a trench measuring approximately 20 feet wide at the top, 6 feet wide at the bottom, and approximately 17 feet deep was excavated to install the SPU stormwater main. This depth roughly coincides with contact between imported fill material and the native silt aquitard that occurs on the Glacier Property and the western side of the T115N Site. The 48-inch stormwater pipe was bedded in at least 6 inches of Seattle Class B fill (sand/gravel), and fill material of unknown origin was used to fill the trench and grade the surface. Based on nearby explorations, this trench fill material has been documented to be predominantly small to large gravel with varying amounts of silt and sand (GeoEngineers, 2024). As discussed further in the sections below, the SPU stormwater bedding material appears to provide a preferential migration pathway for shallow groundwater that occurs in fill material above the silt aquitard and creates a groundwater divide in shallow groundwater between the Glacier Site and T115N/T115P1 Sites.

Approach

To evaluate the conceptual site model (CSM) for arsenic occurrences, we reviewed the Public Review Draft RI Reports for the Glacier Site (ERM, 2024) and T115N Site (Geoengineers, 2024) and downloaded data for the three Sites from Ecology's Environmental Information Management (EIM) database. The RI Report and associated information (e.g., boring logs) for the T115P1 Site was not provided for our review, and therefore the analysis for this memorandum is based largely on analytical results for soil and groundwater samples at the three Sites.

The approach focused particularly on metals-related analytical data, which were compared to a set of Preliminary Screening Levels (SLs) developed for the Glacier Site and the chemicals of potential concern (COPCs) for each of the Sites, as described in the sections below. Analytical results for both the T115N and T115P1 Sites were downloaded from EIM on September 17, 2026.

Preliminary Screening Levels

Analytical results were compared to a set of Preliminary SLs developed for the Glacier Site that are based on Ecology's Preliminary Cleanup Level (PCUL) Workbook for the Lower Duwamish Waterway (Ecology, 2026) with the following modifications, which are potentially applicable to all three Sites:

- The Sites are unlikely to pose a risk to terrestrial ecological receptors due to the lack of undeveloped land, the industrial land use, and low habitat quality. Therefore, the TEE pathway in the PCUL Workbook (SL-9) was removed from soil screening.
- The Properties are industrial properties as defined by MTCA; therefore, the direct contact pathway for soil in the PCUL Workbook (SL-1) was adjusted to Method C direct contact values for soil screening.
- Groundwater at the Sites is nonpotable, and the highest beneficial use of groundwater at the Site is discharge to LDW surface water. Therefore, the groundwater drinking water pathway (GW-1) and leaching to groundwater for protection of drinking water pathways for vadose and saturated soil (SL-2 and SL-5) were removed from screening.
- Total organic carbon data reported in the Public Review Draft RI for the Glacier Site for soil samples in fill and silt aquitard geologic units was used to calculate an average fraction of organic carbon (foc) of 0.015. A Site-specific foc of 0.015 is consistent with the average foc of 0.019 reported for sediments in the LDW, given that much of the soil above the Silt Aquitard at the Site was originally dredged from the LDW. The default foc of 0.001 in the PCUL Workbook was updated to the Glacier Site-specific foc of 0.015.

Soil and groundwater analytical results were compared to the Preliminary SLs and are presented in Tables 1 and 2, respectively. Due to the lack of available information for the T115P1 Site to determine whether soil samples were unsaturated or saturated, soil samples from all three Sites were screened against both the unsaturated and saturated soil Preliminary SLs (the preliminary SL for arsenic in both unsaturated and saturated soil is based on the established background value of 7.3 milligrams per kilogram [mg/kg]).

Chemicals of Potential Concern for Each Site

The following sections summarize the metals identified as COPCs identified for each of the Sites.

Glacier Site

For the Glacier Site, the primary metals identified as COPCs were arsenic, copper, and zinc (ERM, 2024). The primary sources for these COPCs on the Glacier Site include Mineralized-Cell's operations and charcoal/whetlerite potentially used for testing and later redistributed around the Glacier Property (the highest concentrations of arsenic in soil on the Glacier Property coincide with borings where spent charcoal/whetlerite has been documented).

In soil, chromium, mercury, and silver were also identified as metals COPCs in addition to arsenic, copper, and zinc. However, at all locations where these metals exceeded the Preliminary SLs, arsenic also exceeded the Preliminary SL, which one exception – an exceedance of silver in vadose zone soil in the former washwater impoundment, far from the shared property boundary. The exceedances of these three metals were generally limited to areas not adjacent to the shared property boundary: the one exceedance of chromium was at a distance 360 feet from the property boundary, three out of four exceedances of mercury were at distances of 145 to 560 feet from the property boundary (one exceedance at 20 feet from the property boundary), and the nine exceedances of silver were at distances of 145 to 610 feet from the property boundary.

In groundwater, nickel was also identified as a metal COPC in addition to arsenic, copper, and zinc. However, nickel only exceeded the Preliminary SL in groundwater at two locations (Figure 1): once during the most recent sample collected at MW-18S along the southern property boundary and twice at MW-27S, which is located on the T115P1 Site. These detections are discussed further in the Evaluation of Groundwater Data section below.

T115N and T115P1 Sites

The primary potential sources of metal COPCs on the T115N and T115P1 Sites include tin reclamation processing and CKD fill. For the T115N Site, the Public Review Draft RI (GeoEngineers, 2024) did not distinguish between primary COPCs and those with limited exceedances, and the T115P1 RI Report, which presumably identifies T115P1 Site COPCs, has not yet been drafted and/or provided for our review. Therefore, the discussion of COPCs for each of these Sites is based on screening the available analytical data against the Preliminary SLs, which are used for the purposes of comparing the datasets for these Sites to the Glacier Site. The following table summarizes which COPCs exceed the Preliminary SLs in soil and groundwater for each site. Metals that had a concentration that exceeded ten times the Preliminary SL or that were detected at concentrations exceeding the Preliminary SL in ten percent or more samples are bolded in the table below, for the context of this analysis.

Table A: COPCs for the T115N and T115P1 Sites

Analyte	Media	T115N Site	T115P1 Site
Antimony	Soil	X	
	Groundwater	X	
Arsenic	Soil	**X**	**X**
	Groundwater	**X**	**X**
Cadmium	Soil	**X**	**X**
	Groundwater	X	**X**
Chromium	Soil	X	**X**
	Groundwater	**X**	**X**
Copper	Soil	**X**	X
	Groundwater	**X**	**X**
Lead	Soil	**X**	**X**
	Groundwater	**X**	X
Mercury	Soil	X	**X**
	Groundwater	**X**	
Nickel	Soil	**X**	
	Groundwater	**X**	
Silver	Soil	X	**X**
	Groundwater	**X**	
Thallium	Soil	X	NT
	Groundwater		NT
Zinc	Soil	**X**	X
	Groundwater	**X**	**X**

Notes:
X = analyte exceeded the Glacier Site-specific Preliminary SL
bolded = exceeded either 10x Glacier Site-specific Preliminary SL or the Preliminary SL in 10+% of samples
S = Secondary COPC, exceeded Glacier Site-specific Preliminary SL
NT = not tested
blank = analyte did not exceed Glacier Site-specific Preliminary SLs

Summary of Metals COPCs for the Sites

As described above, arsenic, copper, and zinc are notable COPCs for each of the three Sites with unique sources. However, there are numerous metals which only occur on the T115N and/or T115P1 Sites or which occur at much greater frequency and/or concentrations on those Sites. Notably, lead and cadmium (which are COPCs on the T115N and T115P1 Sites) have never been detected at concentrations greater than the Preliminary SLs in soil or groundwater at the Glacier Site, including in samples with highly elevated concentrations of arsenic. For the purposes of mapping and data analysis in the sections below, metals other than arsenic, copper, and zinc have been grouped into the following categories and are referred to herein as the “non-Glacier metals”:

- **Lead:** Lead has never been detected above natural background concentrations in soil or groundwater at the Glacier Site but has widespread exceedances of the Preliminary SL in soil and/or groundwater at the T115N and T115P1 Sites.
- **Antimony, cadmium, mercury, nickel, and/or selenium:** These metals have only very limited to no exceedances of Preliminary SLs in soil and groundwater on the Glacier Site, and as such are grouped together and referred to herein as the "other non-Glacier metals"

The maximum arsenic concentration at each location across the three Sites[1] for discrete depth intervals in soil (Figures 2 and 4) and during the most recent groundwater sampling event at each location (Figures 5 and 6) were mapped. Additionally, locations where lead and/or the other non-Glacier metals exceeded the Preliminary SLs are also highlighted on the analytical data figures.

While tin and selenium did not exceed the Glacier Site-specific Preliminary SLs, both were elevated at the T115N and/or T115P1 Sites as compared to the Glacier Site, as discussed further in the evaluation of soil and groundwater data below.

Evaluation of Soil Data

Soil analytical results for metals, along with total petroleum hydrocarbons (TPH), which are sometimes co-located with high concentrations of metals and can affect metals mobility[2], are presented in Table 1. For the purposes of data analysis, three distinct intervals in soil were mapped: 0 to 6 feet below ground surface (bgs), 6 to 15 feet bgs, and greater than 15 feet bgs, as shown on Figures 2 through 4, respectively. The following sections present the trends that were noted for each depth interval.

0 to 6 feet bgs (Figure 2)

This interval generally corresponds to unsaturated soil on the Glacier Site and T115N Site; boring logs and other necessary information were not provided for the T115P1 Site, but it is also expected that this interval would be unsaturated for that Site. Therefore, this interval generally represents fill material placed on each Site that would not be affected by groundwater transport.

[1] Given the size of the T115P1 Site and focus of this memorandum on the shared property boundary, only the approximately northern half of the T115P1 Site is mapped on figures.
[2] The mobility of some metals, including arsenic, are sensitive to pH and redox conditions. Biodegradation of hydrocarbons can create reducing conditions that affect metals mobility.

For sample locations north of the SPU stormwater main on the T115 Property:

- Arsenic exceeded the Preliminary SL in one location (T115N-MW-14). There were no non-Glacier metals exceedances at this location. Based on its proximity to the Glacier Property and its location north of the SPU stormwater main and historical drainage ditch and the evidence of historical filling/grading along the property line, this location could have been impacted by fill material from the Glacier Site. However, tin was also detected in samples collected in this depth interval, indicating this soil may have been redistributed from the T115 Property during the Port's installation of the SPU stormwater main and subsequent re-grading of the ground surface.

For sample locations south of the SPU stormwater main on the T115 Property:

- Arsenic exceeded the Preliminary SL at 13 locations. The highest concentrations of arsenic occur in the reported area of and downgradient of CKD fill at T115N-MW-17, T115P1-D-MW-8, T115P1-D-SB-8, and T115P1-D-SB-18. All of these locations are to the east of the historical 1922 upland area on the T115 Property and were therefore filled while under the Port's ownership.
- Of the 13 locations with arsenic exceedances, all of them also contained exceedances of lead and/or the other non-Glacier metals. Additionally, lead and/or the other non-Glacier metals exceeded the Preliminary SLs at 15 other locations across the T115N Site and northern portion of the T115P1 Site, including at locations outside of reported areas of CKD fill.
- Conversely, lead has never been detected above the Preliminary SL in soil or groundwater on the Glacier Site, including locations with highly elevated arsenic concentrations.
- Likewise, only one location on the Glacier Property exceeded the Preliminary SLs for the other non-Glacier metals – GP-56, which is located over 200 feet north of the shared property boundary, contained a slight exceedance of mercury (0.12 and mg/kg compared to a Preliminary SL of 0.07 mg/kg).

6 to 15 feet bgs (Figure 3):

This interval generally corresponds to fill material that was placed above the native silt aquitard on the Glacier Property and the western portion of the T115N Site (to the west of the historical circa 1922 bulkhead) but may include the top portion of the silt aquitard at some locations. Due to the lack of boring logs for the T115P1 Site, it is uncertain whether the silt aquitard extends into the eastern portion of the T115P1 upland, but fill was likely

placed directly on top of the coarser grained alluvial sediments in the historical oxbow of the Duwamish River. Regardless, this interval is still expected to be representative of fill material even in areas of the T115N/T115P1 Sites where the silt aquitard may not be present, and soil in this interval is generally expected to be saturated.

For sample locations north of the SPU stormwater main on the T115 Property:

- Arsenic exceeded the Preliminary SL at two locations: MW-25S and T115N-MW-14. The non-Glacier metals were not analyzed at MW-25S. At T115N-MW-14, selenium also exceeded the Preliminary SL. Additionally, there were detections of tin in multiple samples throughout this interval and in the vadose zone above it. Based on its proximity to the Glacier Property, the arsenic at this location may be the result of groundwater transport but could also be due to impacted fill material used during the installation of the SPU stormwater main and subsequent regrading that occurred along the shared property boundary.

For sample locations south of the SPU stormwater main on the T115 Property:

- Arsenic exceeded the Preliminary SL at 17 locations. The highest concentrations of arsenic occur in the documented area of CKD fill (T11P1-D-MW-9D, T115P1-D-SB-9, T115P1-D-SB-8, T115-D-SB-17, and T115P1-D-SB-18) and in the area downgradient of the former settling ponds (T115N-MW-4D). In the reported area of CKD fill, non-Glacier COPCs (lead and selenium) exceeded the Preliminary SLs, as well as other shared COPCs that were detected much more frequently and at higher concentrations on the T115N/T115P1 Sites (cadmium and silver). Likewise, the location downgradient of the former settling ponds had elevated concentrations of metals not associated with the Glacier Site including tin and nickel.
- Of these 17 locations, 16 also contained exceedances of lead and/or the other non-Glacier metals. Additionally, lead and/or the other non-Glacier metals exceeded the Preliminary SLs at 12 other locations across the T115N Site. As stated above, lead has never been detected above the Preliminary SL in soil or groundwater at the Glacier Site.
- There are only two locations on the Glacier Property where the Preliminary SLs were exceeded for the non-Glacier metals – GP-57 (near the property boundary) and GP-66 (far from the property boundary), contained slight exceedances of mercury (0.11 and 0.09 mg/kg, respectively, compared to a Preliminary SL of 0.07 mg/kg).

Greater than 15 feet bgs (Figure 4):

Soil in this interval is generally representative of the bottom portion of fill material (i.e., early 1900s fill), the silt aquitard, and the underlying alluvial sands for the Glacier Property and western portion of the T115N Site. As stated above, it is uncertain how much of this depth interval represents fill vs. native soil on the T115P1 Site due to the lack of boring logs.

There were no samples collected in this depth interval on the T115 Property north of the SPU stormwater main. For sample locations south of the SPU stormwater main on the T115 Property:

- Arsenic exceeded the Preliminary SL at eight locations. The highest concentrations of arsenic occur in the reported area of CKD fill (T115P1-MW-9D and T115P1-SB-9) and in the former settling ponds (T115N-B-13).
- Of these eight locations, five also contained exceedances of lead and/or the other non-Glacier metals.
- For the other three locations where arsenic exceeded, but non-Glacier metals did not, the exceedances are not contiguous with the Glacier Site exceedances and appear attributable to T115 sources and/or natural conditions[3]:
    - T115N-B-13 had non-Glacier metals exceedances in overlying soil intervals, including lead up to 49,000 mg/kg.
    - T115N-B-8 was located 200 feet south of the Glacier Property and contained only a slight exceedance of arsenic (10 mg/kg) and had detectable TPH.
    - T115P1-D-SB-14 was located 740 feet south of the Glacier Property and east of the 1922 shoreline.
- Additionally, lead and/or the other non-Glacier metals also exceeded the Preliminary SLs at four other locations on the T115P1 Site.
- All of these locations where lead and/or the other non-Glacier metals exceeded the Preliminary SL are to the east of the historical circa 1922 shoreline.
- On the Glacier Property, there were no exceedances of lead and/or the other non-Glacier metals in this interval.

[3] Minor exceedances of the Preliminary SL for arsenic, which is based on natural background, may be due to variability in natural background conditions.

Summary of Soil Evaluation

In the area between the Glacier Property boundary and the SPU stormwater main, the occurrences of arsenic in soil may be from a combination of groundwater transport (for soil below the water table) and potentially from fill soils that were placed during the infilling of T115N and the T115P1 Sites, as well as fill soil used to backfill the trench surrounding the SPU stormwater main and to regrade the surface. These fill soils could be from sources not related to the Glacier Site – including the CKD fill that is prevalent throughout the T115 Property – but could also be fill material from the Glacier Property based on observed grading activities that may have crossed the property line when the Port was constructing T115.

In the area to the south of the SPU stormwater main, the primary contributions of arsenic appear to be from sources not associated with the Glacier Site based on the following multiple lines of evidence:

1. **There are clear sources of metals contamination in soil attributable to T115 that are co-located with arsenic exceedances:**
    - At the locations where arsenic concentrations in soil are the highest, other metals not associated with the Glacier Site were also highly elevated including antimony, cadmium, lead, mercury, selenium, and tin (Table 1)**.**
    - Most notably, lead has never been detected in soil at the Glacier Site above natural background concentrations and there are widespread exceedances of the Preliminary SLs in all depths of fill material at the T115N and T115P1 Sites (Figures 2 through 4), including at the locations where the highest concentrations of arsenic have been observed.
    - There are widespread exceedances of lead and the other non-Glacier metals throughout the T115 Property that show the distribution of metals contamination on the T115 Property is far greater than just the area surrounding the settling ponds on the T115N Site and the area of CKD fill of the T115P1 Site displayed on Figures 2 and 3.
2. **There was limited potential for soil transport from the Glacier Property to the T115 Property:** Prior to the development of the T115N Site in the mid-1960s, aerial photographs appear to indicate that the majority of the T115N Site was at a higher elevation than the Glacier Property, and there was an earthen berm and/or ditch that separated the two Properties for portions of that time. Following development, the T115N Site remains at a higher grade than the Glacier Property. Therefore, the potential for soil transport by direct erosion would have been limited.

Evaluation of Groundwater Data

Groundwater at the Glacier Site occurs in two of the stratigraphic units – shallow, unconfined groundwater is present in fill material and is separated by the native silt aquitard from deep, confined groundwater that is present in the alluvial sands that underlie the silt aquitard. The silt aquitard limits transmission of groundwater between the two zones. On the T115N Site, the silt aquitard is reportedly present to the west of the historical circa 1922 shoreline, and east of the shoreline where the aquitard is not present, groundwater mixes between the two zones (GeoEngineers, 2024). Similar conditions would be expected for the northern portion of the T115P1 Site as well.

This section presents the evaluation of historical and current groundwater flow directions and velocities in the shallow and deep groundwater zones and evaluates the groundwater analytical data available for the Glacier, T115N, and T115P1 Sites.

Groundwater Flow Direction and Velocity

Groundwater flow in the shallow and deep zones differs due to the SPU stormwater main, which affects flow in the shallow groundwater that exists in the fill material placed above the native silt aquitard and due to tidal influence, which has a greater effect on deep groundwater. Groundwater flow directions in the shallow and deep zones are illustrated on Figures 5 and 6, respectively.

Shallow Groundwater

At the Glacier Site, groundwater flow in the shallow zone has been monitored between 2009 and 2026. The shallow groundwater zone within approximately 200 feet of the LDW shoreline is tidally influenced. As detailed in the Public Review Draft RI Report (ERM, 2024), two tidal studies for the Glacier Site were completed in 2013 and 2014. In the shallow zone, groundwater flow directions were to the east-northeast in the northern portion of the Glacier Site (towards the shoreline), to the east and southeast (towards the shoreline) in the central portion of the Glacier Site, and to the south-southeast in the southern portion of the Site (towards the SPU stormwater main), as shown on Figure 5. Quarterly monitoring events documented that the groundwater flow direction and gradient were relatively consistent across seasons (ERM, 2024). The average horizontal hydraulic gradient measured over numerous quarterly gauging events ranged between 0.002 and 0.004 foot per foot (ft/ft). Based on the average gradient and hydraulic conductivity measured by slug tests in select shallow monitoring wells, the estimated flow velocity in the shallow aquifer is approximately 13 feet per year (ft/yr; ERM, 2024).

At the T115N Site, groundwater flow in the shallow zone was monitored on a quarterly basis in 2014-2015. The shallow groundwater zone within approximately 75 feet of the LDW shoreline is tidally influenced. A tidal study for the T115N Site was completed in May 2014. In the shallow zone, groundwater flow directions were measured to the north (towards the SPU stormwater main) throughout most of the T115N Site and to the north-northeast (towards the LDW) in the northeast portion of the T115N Site and very northern portion of the T115P1 Site. In the central portion of the T115N Site, west of the historical shoreline, the estimated average horizontal hydraulic gradient was 0.059 ft/ft, and the estimated flow velocity in the shallow aquifer was approximately 124 ft/yr (GeoEngineers, 2024).

The SPU stormwater main currently acts as a groundwater divide between the Glacier and T115N/T115P1 Sites, with opposite flow directions on either side of the stormwater main. No measurements of shallow groundwater occurrence or flow direction were made prior to the installation of the SPU stormwater main in 1972. The wooden bulkhead that formed the circa 1922 shoreline along the Glacier and T115N Sites may have influenced shallow groundwater flow directions. However, given the extended length of the wooden bulkhead and relatively homogenous nature of the fill material that was placed behind it to form the upland, the historical groundwater flow direction in the shallow zone would likely have been approximately perpendicular to the bulkhead as shown on Figure 5.

Deep Groundwater

The net direction of groundwater flow in the deep zone is to the northeast, from the T115N Site towards the Glacier Site. Flow in this system does not appear affected by the SPU stormwater main and likely represents the general direction of historical groundwater flow. Groundwater flow in the deep system at each site is described below.

At the Glacier Site, the groundwater flow in the deep zone has been monitored between 2012 and 2026. The deep groundwater within at least 700 feet of the LDW shoreline (the furthest location from the shoreline on the Glacier Site) is tidally influenced, and groundwater flow directions are temporarily reversed along the shoreline, depending on tidal stage. Based on the results of the two tidal studies, the average groundwater flow direction in the deep zone is east-northeast, discharging towards the LDW, as shown on Figure 6. This flow direction is consistent with the regional aquifer found throughout the LDW valley. The average horizontal hydraulic gradient for the deep aquifer was measured at 0.00075 ft/ft, and the average groundwater flow velocity in the deep aquifer was calculated at 23 ft/yr (ERM, 2024).

At the T115N Site, groundwater flow in the deep zone was also monitored on a quarterly basis in 2014-2015, but there are only a limited number of deep zone monitoring wells (Figure 6). Similar to the Glacier Site, the deep zone within at least 440 feet of the shoreline (the farthest location) was documented to be tidally influenced, with flow reversals occurring along the LDW shoreline during select tidal stages. Based on the results of the tidal study, the average flow direction in the deep zone was towards the east-northeast, consistent with the Glacier Site and the regional aquifer in the LDW valley. The average horizontal hydraulic gradient for the deep aquifer was measured at 0.00083 ft/ft, and the average groundwater flow velocity in the deep aquifer was calculated at 106 ft/yr (GeoEngineers, 2024).

Groundwater Analytical Data

Groundwater analytical results for metals, along with TPH, are presented in Table 1. For the purposes of data analysis, the most recent arsenic concentrations (maximum of total or dissolved) in groundwater at each location for the Glacier, T115N, and T115P1 Sites were mapped for both the shallow and deep groundwater systems as shown on Figures 5 and 6, respectively. As described above, groundwater from the shallow and deep zones reportedly intermixes to the east of the historical, circa 1922 shoreline on the T115N and T115P1 Sites. Monitoring wells T115N-MW-10D, T115N-MW-19D, T115P1-D-MW-9D, and T115P1-E-MW-5D are mapped with other deep zone monitoring wells on the Glacier and T115N Sites. The following sections present the trends that were noted for each aquifer.

Shallow Zone (Figure 5):

At monitoring wells south of the SPU stormwater main on the T115 Property, arsenic exceeded the Preliminary SL at 18 locations.

- The highest concentrations of arsenic were measured at T115N-MW-4 and T115N-MW-5, which are both adjacent to the former settling ponds. Both of these locations show distinct signatures of non-Glacier sources of metals contamination:
    - Mercury exceeded the Preliminary SL at both locations; mercury has never been detected in groundwater at the Glacier Site, including in samples with even higher concentrations of arsenic.
    - Likewise, lead and silver were detected above the Preliminary SLs at both locations; lead and silver have not been detected above Preliminary SLs at the Glacier Site.

    - Chromium and nickel were also detected above the Preliminary SL at both locations and at concentrations one to two orders-of-magnitude higher than either metal has ever been detected on the Glacier Site.
    - Tin and antimony (which have never been detected on the Glacier Site) were also detected at both locations.
    - Cadmium and zinc exceeded the Preliminary SLs at T115N-MW-4. Cadmium has only been sparsely detected near the detection limit at the Glacier Site and has never exceeded the Preliminary SL, and the concentration of zinc was higher than has ever been detected at the Glacier Site.
    - In addition to the metals contamination, diesel- and oil-range TPH were highly elevated at both locations (Table 2).
- Of the 18 locations where arsenic exceeded the Preliminary SL, 14 also contained exceedances of lead and/or the other non-Glacier metals. Additionally, lead and/or the other non-Glacier metals exceeded at two other locations on the western side of the T115N Site.
- Of the other 4 locations:
    - Three locations (T115P1-D-MW-8, T115P1-D-MW-7, and T115N-MW-17) are located in or immediately adjacent to the reported area of CKD fill.
    - The other location (T115N-MW-13) slightly exceeds the Preliminary SL for arsenic (11 ug/L vs 8 ug/L) and also contains exceedances of the Preliminary SL for TPH, which is associated with T115N Site sources. As discussed above, TPH can cause reducing conditions that increase the mobility of naturally occurring arsenic.
- Conversely, the only location where lead/or the other non-Glacier metals exceeded the Preliminary SLs in shallow groundwater on the Glacier Property was at MW-18S, where nickel was only detected in one sample at an estimated concentration of 9.2 micrograms per liter (ug/L), slightly above the Preliminary SL of 8.2 ug/L.
- Notably, all of the shallow zone monitoring wells with arsenic detections closest to the SPU stormwater main (T115N-MW-12, T115N-MW-13, T-115N-MW-4, and T115N-MW-10) contain detectable concentrations of tin.

Deep Zone (Figure 6):

At monitoring wells south of the SPU stormwater main on the T115 Property, arsenic exceeded the Preliminary SL at three locations. The highest concentration of arsenic was measured at T115N-MW-19D, downgradient of the reported CKD fill area. This was also the only location on all three Sites where one of the non-Glacier metals also exceeded the Preliminary SL.

Summary of Groundwater Evaluation

In the deep zone, the current and presumed historical flow direction is to the east-northeast and therefore the transport pathway would be from the T115 Property onto the Glacier Property. Additionally, arsenic was not detected above the Preliminary SL to the west of the historical circa 1922 shoreline, indicating that no arsenic contribution from the Glacier Property has impacted the T115 Property. The exceedances of arsenic in deep groundwater to the east of the historical 1922 shoreline are presumably located in fill material where the silt aquitard is not present and deep groundwater intermixes with shallow groundwater. These exceedances occur only in areas where fill was placed by the Port during development of the T115 Property and are downgradient of the reported CKD fill area (Figure 6).

In the shallow zone in the portion of the T115 Property between the property boundary and SPU stormwater main, the primary arsenic contributions in groundwater likely occur from sources associated with the Glacier Site based on the shallow groundwater flow direction, concentrations of arsenic, and lack of the non-Glacier metals. In the shallow zone to the south of the SPU stormwater main, arsenic in groundwater likely is from sources associated with the T115N or T115P1 Sites. This interpretation is based on the following multiple lines of evidence:

1. **The highest concentrations of arsenic in groundwater on the T115N Site also contain highly elevated concentrations of other metals not associated with the Glacier Site, including antimony, cadmium, lead, mercury, and tin.** Most notably, lead has only been sparsely detected near the detection limit and below the Preliminary SL in groundwater at the Glacier Site but has been detected throughout the T115N Site in shallow groundwater (Figure 5) at concentrations that are orders of magnitude higher. Additionally, the highest concentrations of arsenic in groundwater on the T115N Site also contain other COPCs not related to the Glacier Site like diesel- and oil-range TPH (Table 2).
2. **There has been substantially more time and potential for groundwater transport of metals on the T115 Property to have been to the north.** Prior to the development of the T115 Property and installation of the SPU stormwater main, the historical groundwater flow direction in the shallow zone is uncertain, but presumably, the flow direction would have been perpendicular to the wooden bulkhead and historical shoreline. Under this scenario:
    - The period when arsenic sourced from the Glacier Site could have been transported onto the T115 Property would have been limited to 36 years

(from the beginning of Mineralized-Cell's operations in 1936 until the SPU stormwater main was constructed in 1972[4]). However, groundwater flow in the shallow zone has presumably been to the north for at least the past 54 years. During that time, the horizontal hydraulic gradient and groundwater flow velocities on the T115N Site have been documented to be greater than those on the Glacier Site.

- The T115N Site has elevated pH in both soil and groundwater, which can be attributable to the detinning process and/or CKD fill. In soil, areas with pH above 9 exist throughout the eastern portion of the T115N Site in the vicinity of the former settling ponds, as well as in fill areas on the western portion of the T115N Site. In groundwater, areas with pH elevated above 9 exist downgradient of the reported CKD fill area and in the vicinity of the former settling ponds. The high pH conditions present throughout the T115N Site would result in greater mobility of metals since detinning operations commenced (and therefore enhanced metals transport to the north).
- The portion of the T115 Property that could have been affected by a historically southeast shallow groundwater flow direction would be a localized area in the northeast corner west of the 1922 shoreline, given the known operational area for Mineralized-Cell and concentrations of arsenic on the Glacier Property. However, there are arsenic impacts in soil (e.g., T115N-MW-11) and in groundwater (e.g., T115N-MW-2) on the western portion of the T115 Property that would be beyond the extents of such a flow path. Both of these locations also exhibit exceedances of the Preliminary SLs for other metals that are not associated with the Glacier Site.

Conclusions

Based on our review, we conclude that the vast majority of arsenic occurrences on the T115 Property are from sources not related to the Glacier Site.

In the area between the Glacier Property boundary and the SPU stormwater main, arsenic in soil and groundwater may be commingled between the Sites. In groundwater, dissolved-phase arsenic sourced from the Glacier Site is being transported to, but not south of, the

[4] Based on aerial photographs, a ditch separating the Glacier Property and T115N Property was present prior to the SPU stormwater main installation. This ditch may have also created a hydraulic divide for shallow groundwater similar to the stormwater main, so the potential duration of contaminant transport via shallow groundwater from the Glacier Property to the T115 Property may be less than 36 years.

SPU stormwater main. The occurrences of arsenic in this limited area south of the Glacier Property may be at least partially attributable to numerous Port activities:

- The Port owned both the Glacier Property and the T115 Property when the T115N Site was expanded and when the rest of the T115 Property was infilled. A 1970 aerial photograph, included as Attachment C, shows clear evidence of vehicle traffic occurring between the two properties as T115 is being filled, as well as recent grading having occurred on the Glacier Property along the shared property boundary.
- The Port constructed the 48-inch diameter SPU stormwater main in conjunction with the filling and development of the T115 Property that has redirected shallow groundwater flow to the south on the Glacier Property.
- During this same period when the Port owned the Glacier Property, they obligated Kaiser to demolish the historical chemical plant, which resulted in the redistribution of highly impacted arsenic material on the Glacier Property (e.g., demolition debris, spent carbon, and potentially contaminated shallow soils that were used to expand the shoreline).

In the area south of the SPU stormwater main, there is no evidence for historical or ongoing groundwater transport of arsenic. This conclusion is based on review of available soil chemical data, groundwater chemical data, and the hydrogeologic conditions on each Site, as described in detail above and summarized under the following multiple lines of evidence:

1. **Arsenic occurrences south of the SPU stormwater main are attributable to T115 sources**, including the tin reclamation facility and widespread incorporation of CKD into fill materials, based on co-located contaminants. Notably, the highest detections of arsenic in soil and groundwater coincide with exceedances of lead and/or the other non-Glacier metals (as well as TPH), which are clearly not sourced from the Glacier Site. Additionally, there is clear evidence of impacts (tin) from the T115N Site in all shallow monitoring wells impacted with arsenic that are closest to the SPU stormwater main.
2. **Limited Potential for Soil Transport from Glacier to T115:** As stated above, the grade of the T115N Site has generally been higher than the Glacier Property throughout its history, and there was an earthen berm and/or drainage ditch separating the two properties throughout much of their history.
3. **Limited Potential for Groundwater Transport from Glacier to T115:** This conclusion is based on (a) groundwater has been flowing to the north for a longer period than it would have flowed southeast (54 years vs. 36 years), (b) during that

time, the gradient and flow velocity has been greater to the north than it has been from the Glacier Property to the south, (c) the elevated pH in soil and groundwater on the T115N Site would have resulted in greater mobility of metals in groundwater, and (d) even if the historical flow direction was to the southeast, there are arsenic impacts in soi and groundwater on the western side of the T115N Site that would not be attributable to the historical groundwater flow path.

Based on this analysis, it does not appear that the arsenic plume in shallow groundwater associated with the Glacier Site has commingled with the arsenic (and other metals) plume associated with the T115N and T115P1 Sites beyond the SPU stormwater main. We anticipate that remedial alternatives that are being developed as part of the Feasibility Study for the Glacier Site will address arsenic exceedances in soil and groundwater between the Glacier Property and the SPU stormwater main.

The Public Review Draft RI Report (ERM, 2024) adequately characterizes the nature and extents of arsenic contamination for the Glacier Site. If Ecology approves of the analysis and CSM for arsenic occurrences along the shared property boundary that are presented herein, Black River will incorporate this analysis into the responses-to-comments (RTCs) for the Public Review Draft RI Report (ERM, 2024), as well as provide for responses for all other public comments.

References

ERM-West, Inc. (ERM), 2024, Remedial Investigation Report, 5900 West Marginal Way Site, Seattle, Washington, Agreed Order No. DE-6000, Public Review Draft, dated July 19, 2024.

GeoEngineers, Inc. (GeoEngineers), 2024, Public Review Draft Remedial Investigation Report, Port of Seattle – North Terminal 115, dated July 26, 2026.

SoundEarth Strategies, Inc. (SES), 2011, Terminal 115 Environmental Conditions Report, dated April 6, 2011.

Washington State Department of Ecology (Ecology), 2026, Preliminary Cleanup Levels for Lower Duwamish Waterway Workbook, dated February 11, 2026.

Limitations

Work on this project was performed for CalPortland Company (Client), and this letter has been prepared in accordance with generally accepted professional practices for work of

this nature and under comparable local conditions at the time services were provided. This letter is not intended to serve as a legal opinion, and no warranties, expressed or implied, are provided.

All reports prepared by Black River Environmental, LLC (Black River) for the Client are specific to the services outlined in the Agreement(s) with the Client. Any use or reliance on these materials by parties other than the Client is undertaken solely at their own risk and without liability to Black River. In the event of any discrepancy between electronic copies and Black River's original files/reports, the original files/reports shall prevail.

Attachments

Figure 1 – Site Location Map
Figure 2 – Maximum Arsenic Concentration in Soil, 0 to 6 feet bgs
Figure 3 – Maximum Arsenic Concentration in Soil, 6 to 15 feet bgs
Figure 4 – Maximum Arsenic Concentration in Soil, 15+ feet bgs
Figure 5 – Arsenic Concentrations in Shallow Groundwater
Figure 6 – Arsenic Concentrations in Deep Groundwater
Table 1 – Soil Analytical Results
Table 2 – Groundwater Analytical Results
Attachment A – Select Comments Provided by the Port on the Public Review Draft RI and Figures Provided by the Port to Ecology
Attachment B – Aerial Photographs from the Terminal 115 Environmental Conditions Report (Appendix A)
Attachment C – 1970 Aerial Photograph

TABLES

FIGURES

ATTACHMENT A

SELECT COMMENTS PROVIDED BY THE PORT ON THE PUBLIC REVIEW DRAFT RI AND FIGURES PROVIDED BY THE PORT TO ECOLOGY

ATTACHMENT B

AERIAL PHOTOGRAPHS FROM THE TERMINAL 115 ENVIRONMENTAL CONDITIONS REPORT (APPENDIX A)

ATTACHMENT C
1970 AERIAL PHOTOGRAPH

TABLES

Table 1 - Soil Analytical Data

Asenic CSM Memorandum | Glacier Northwest, Inc. Site

				Metals														Total Petroleum Hydrocarbons (TPH)		
				Antimony	Arsenic	Cadmium	Chromium (hexavalent)	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Zinc	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Glacier Site-Specific Saturated Preliminary SL				5.2	7.3	0.77	0.031	260	36	81	0.07	48	0.78	0.61	0.0044	2,100,000	85	100	2,000	2,000
Glacier Site-Specific Unsaturated Preliminary SL				81	7.3	0.77	0.62	260	36	450	0.07	48	7.4	0.61	0.088	2,100,000	100	100	2,000	2,000
Site	Location	Date	Depth (ft bgs)																	
Terminal 115 North Site	T115N-B-1	01/06/14	2 - 3	<5 U	**5.3**	<0.2 U	--	**20**	**28**	**42**	<0.05 U	**21**	<0.5 U	<0.5 U	<0.25 U	**150**	**55**	--	--	--
			4 - 5	<5 U	**4.9**	<0.2 U	--	**62**	40	**5.6**	<0.05 U	70	<0.5 U	<0.5 U	<0.25 U	**4.8**	**73**	--	--	--
	T115N-B-2	01/06/14	1 - 2	<5 U	**3.4**	**0.27**	--	**24**	70	**39**	<0.05 U	**25**	<0.5 U	<0.5 U	<0.25 U	**120**	99	--	--	--
			3 - 4	<5 U	**5.4**	<0.2 U	--	**38**	**24**	**19**	<0.05 U	48	<0.5 U	<0.5 U	<0.25 U	**8.7 J**	**53**	--	--	--
	T115N-B-3	01/06/14	3 - 4	<5 U	**6.4**	<0.2 U	--	**64**	37	**8.2**	<0.05 U	67	<0.5 U	<0.5 U	<0.25 U	**1,000**	**68**	--	--	--
			5 - 6	<5 U	**4.6**	<0.2 U	--	**55**	**20**	**3.9**	<0.05 U	48	<0.5 U	<0.5 U	<0.25 U	**18**	**47**	--	--	--
	T115N-B-4	01/06/14	1 - 2	<5 U	**1.3**	<0.2 U	--	**19**	78	**4.9**	<0.05 U	**32**	<0.5 U	<0.5 U	<0.25 U	**7.4**	**39**	--	--	--
			6 - 7	<5 U	**3.5**	<0.2 U	--	**71**	36	**5.1**	<0.05 U	65	<0.5 U	<0.5 U	<0.25 U	<0.99 U	**66**	--	--	--
			10 - 11	<5 U	**3.8**	<0.2 U	--	**68**	42	**5.6**	**0.057**	71	<0.5 U	<0.5 U	<0.25 U	<1 U	**80**	--	--	--
	T115N-B-5	01/09/14	1 - 2	<5 U	**2.2**	<0.2 U	--	**29**	52	**4.9**	<0.05 U	**35**	<0.5 U	<0.5 U	<0.25 U	**10**	**43**	<5 U	<14 U	**260**
			6 - 7	<5 U	**3**	<0.2 U	--	**56**	**27**	**4.1**	<0.05 U	60	<0.5 U	<0.5 U	<0.25 U	<1 U	**47**	<5 U	<16 U	<33 U
			10 - 11	<5 U	**4.2**	<0.2 U	--	**56**	**32**	**4.9**	<0.05 U	66	<0.5 U	<0.5 U	<0.25 U	<1 U	**51**	<5 U	<17 U	<34 U
			10 - 11	<5 U	**3.1**	<0.2 U	--	**48**	**28**	**3.8**	<0.05 U	57	<0.5 U	<0.5 U	<0.25 U	<1 U	**56**	<5 U	<16 U	<33 U
			13 - 14	<5 U	**7**	<0.2 U	--	**16**	**27**	**6.6**	<0.05 U	**11**	<0.5 U	<0.5 U	<0.25 U	**3.3**	**49**	<5 U	<18 U	<37 U
	T115N-B-6	01/08/14	2 - 3	<5 U	**4.9**	<0.2 U	--	**17**	**29**	**45**	<0.05 U	**16**	<0.5 U	<0.5 U	<0.25 U	**130**	**79**	<5 U	<35 U	**140**
			4 - 5	<5 U	**5.6**	**0.23**	--	**46**	**29**	**14**	<0.05 U	49	<0.5 U	<0.5 U	<0.25 U	**7.3**	**59**	<5 U	<15 U	<30 U
			10 - 11	<5 U	**3.8**	<0.2 U	--	**64**	37	**5.1**	<0.05 U	75	<0.5 U	<0.5 U	<0.25 U	**2.5**	**70**	<5 U	<17 U	<34 U
			17 - 18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<6.6 U	<20 U	**180**
	T115N-B-7	01/10/14	3 - 4	<5 U	**1.8**	**0.36**	--	**21**	**21**	**23**	<0.05 U	**20**	<0.5 U	<0.5 U	<0.25 U	**1,100**	200	<5 U	<68 U	**550**
			5 - 6	<5 U	8.5	**0.32**	--	**55**	37	**21**	**0.066**	67	<0.5 U	<0.5 U	<0.25 U	**46**	**82**	<5 U	<15 U	**58**
			10 - 11	<5 U	**3.1**	<0.2 U	--	**45**	**27**	**3.9**	<0.05 U	61	**0.56**	<0.5 U	<0.25 U	**11**	**56**	<5 U	<15 U	<30 U
			16 - 17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	<19 U	**82**
	T115N-B-8	01/10/14	4 - 5	<5 U	**2.2**	<0.2 U	--	**29**	**15**	**14**	<0.05 U	**38**	<0.5 U	<0.5 U	<0.25 U	**130**	**34**	<5 U	<15 U	<29 U
			10 - 11	<5 U	**2**	<0.2 U	--	**26**	**12**	**3.7**	<0.05 U	**34**	<0.5 U	<0.5 U	<0.25 U	**15**	**29**	**7.5 J**	<15 U	<29 U
			15 - 16	<5 U	10	<0.2 U	--	**19**	36	**4.4**	<0.05 U	**18**	**0.74**	<0.5 U	<0.25 U	<1 U	**41**	**57 J**	**46**	**74**
	T115N-B-10	01/09/14	2 - 3	<5 U	**1.4**	<0.2 U	--	**17**	**31**	**2.4**	<0.05 U	**15**	<0.5 U	<0.5 U	<0.25 U	<0.99 U	**25**	--	--	--
			6 - 7	<5 U	**2.7**	<0.2 U	--	**32**	**20**	**4.3**	<0.05 U	**42**	<0.5 U	<0.5 U	<0.25 U	**1.3**	**47**	--	--	--
			10 - 11	<5 U	**3.9**	<0.2 U	--	**43**	**25**	**4.1**	<0.05 U	52	<0.5 U	<0.5 U	<0.25 U	<1 U	**49**	--	--	--
	T115N-B-11	01/07/14	3 - 4	16	26	**0.36**	--	**38**	39	170	0.14	**27**	**0.5**	<0.5 U	<0.25 U	**250**	220	--	--	--
			7 - 8	<15 U	<15 U	9.1	--	650	180	19,000	0.17	**39**	<3.8 U	0.77	<1.9 U	**48,000**	6,800	--	--	--
			9 - 10	<5 U	<0.5 U	<0.2 U	--	**37**	**19**	**49**	<0.05 UJ	**39**	<0.5 U	<0.5 U	<0.25 U	**2,800**	170	--	--	--
	T115N-B-12	01/10/14	7 - 8	<5 U	**3.2**	<0.2 U	--	**48**	**21**	**3.4**	<0.05 U	49	<0.5 U	<0.5 U	<0.25 U	**50 J**	**51**	**6.2 J**	**25 J**	**85**
			9 - 10	<5 U	**3.4**	**0.32**	--	**44**	**16**	**6.1**	<0.05 U	**42**	**0.56**	<0.5 U	<0.25 U	<1 UJ	**49**	**9.9 J**	<15 UJ	<29 UJ
			16 - 17	<5 U	**6.6**	<0.2 U	--	**19**	**23**	**3.7**	<0.05 U	**8.6**	<0.5 U	<0.5 U	<0.25 U	**26 J**	**28**	<5 U	<19 U	<38 U
	T115N-B-13	01/07/14	1 - 2	8.7	<6.4 U	3.1	--	**180**	64	4,400	**0.065**	**27**	<1.6 U	<0.5 U	<0.25 U	**26,000**	2,000	--	--	--
			5 - 6	<16 U	<16 U	7.1	--	2,200	620	49,000	0.3	120	<4 U	3.2	<2 U	**50,000**	33,000	--	--	--
			6 - 7	<5 U	<0.5 U	<0.2 U	--	**52**	**18**	330	<0.05 U	**30**	<0.5 U	<0.5 U	<0.25 U	**2,800**	410	--	--	--
			9 - 10	<5 U	<0.5 U	**0.44**	--	**84**	**28**	900	<0.05 U	**45**	<0.5 U	<0.5 U	<0.25 U	**2,300**	590	--	--	--
			15 - 16	<5 U	82	<0.2 U	--	**23**	**26**	**5.3**	<0.05 U	**9.7**	<0.5 U	<0.5 U	<0.25 U	**71**	**14**	--	--	--
	T115N-B-14	01/08/14	2 - 3	<5 U	**5.4**	<0.2 U	--	**40**	**16**	**13**	**0.057**	**41**	<0.5 U	<0.5 U	<0.25 U	**19**	**38**	--	--	--
			7 - 8	<5 U	**5.1**	<0.2 U	--	**41**	**20**	**3**	<0.05 U	48	<0.5 U	<0.5 U	<0.25 U	**1.2**	**42**	--	--	--
			11 - 12	<5 U	**6.3**	**0.26**	--	**52**	**33**	**18**	0.14	72	<0.5 U	<0.5 U	<0.25 U	**10**	88	--	--	--
	T115N-B-15	01/08/14	2 - 3	12	<3 U	8.2	--	280	52	6,100	<0.05 U	**34**	<3 U	<3 U	<0.3 U	**62,000**	3,200	--	--	--
			6 - 7	<5 U	<0.5 U	<0.2 U	--	**44**	**21**	**35 J**	<0.05 U	**45**	<0.5 U	<0.5 U	<0.25 U	**1,800 J**	**66 J**	--	--	--
			6 - 7	<5 U	**0.5**	<0.2 U	--	**34**	**21**	**3.2 J**	<0.05 U	**45**	<0.5 U	<0.5 U	<0.25 U	**5,800 J**	**44 J**	--	--	--
			9 - 10	<5 U	**2.3**	<0.2 U	--	**52**	**24**	**3.2**	<0.05 U	53	<0.5 U	<0.5 U	<0.25 U	**230**	**50**	--	--	--
	T115N-B-16	01/07/14	2 - 3	<5 U	**0.91**	**0.27**	--	**47 J**	**25**	140 J	<0.05 U	**37**	<0.5 U	<0.5 U	<0.25 U	**1,300 J**	210 J	<5 U	<15 U	**42**
			6 - 7	<5 U	**2.6**	<0.2 U	--	**45**	**13**	**5**	<0.05 U	**38**	<0.5 U	<0.5 U	<0.25 U	**1.6**	**37**	<5 U	<14 U	<28 U
			10 - 11	<5 U	**1.9**	<0.2 U	--	**32**	**18**	**2.8**	<0.05 U	**37**	<0.5 U	<0.5 U	<0.25 U	**16**	**35**	<5 U	**17**	<29 U
	T115N-B-17	01/09/14	4 - 5	<5 U	**2.5**	<0.2 U	--	**43**	**15**	**2.5**	<0.05 U	**41**	<0.5 U	<0.5 U	<0.25 U	<1 U	**30**	--	--	--
			8 - 9	<5 U	**2.3**	<0.2 U	--	**33**	**16**	**2.7**	<0.05 U	**42**	<0.5 U	<0.5 U	<0.25 U	<0.99 U	**33**	--	--	--
			19 - 20	<5 U	**2**	<0.2 U	--	**14**	**11**	**1.7**	<0.05 U	**8.2**	<0.5 U	<0.5 U	<0.25 U	<0.99 U	**21**	--	--	--
	T115N-DP-1	10/29/09	0.5 - 1	<5.4 U	<5.4 U	1.2	--	**72**	110	220	0.11	**35**	<11 U	<0.54 U	<5.4 U	**780**	1,400	--	--	--
			6 - 7	<6.8 U	<6.8 U	<0.68 U	--	**46**	**29**	**5.5**	<0.068 U	63	<14 U	<0.68 U	<6.8 U	**3**	**57**	--	--	--
			8.5 - 9.5	<6.7 U	<6.7 U	<0.67 U	--	**54**	**31**	**6**	<0.067 U	58	<13 U	<0.67 U	<6.7 U	<1.3 U	**66**	--	--	--
	T115N-MST-1	11/07/97	0.5 - 0.5	--	<11 U	0.98	--	**22**	--	470	<0.29 U	--	<11 U	<0.57 U	--	**550**	310	--	--	--
	T115N-MST-2	11/07/97	0.42 - 0.42	--	<11 U	**0.69**	--	**33**	--	110	<0.27 U	--	<11 U	<0.54 U	--	**880**	330	--	--	--
	T115N-MST-3	11/07/97	1.3 - 1.3	--	<12 U	<0.59 U	--	**8.4**	--	**36**	<0.29 U	--	<12 U	<0.59 U	--	**170**	**76**	--	--	--
	T115N-MW-1	10/29/09	4 - 5	<6.2 U	<6.2 U	<0.62 U	--	**39**	**22**	**19**	<0.062 U	**44**	<12 U	<0.62 U	<6.2 U	**48**	**52**	<4.4 U	<31 U	<62 U
			7 - 8	<6.3 U	<6.3 U	<0.63 U	--	**41**	**28**	**44**	<0.063 U	51	<13 U	<0.63 U	<6.3 U	**96**	**77**	<4.7 U	<32 U	**83**
			11 - 12	<6.6 U	<6.6 U	<0.66 U	--	**55**	**33**	**5.5**	<0.066 U	60	<13 U	<0.66 U	<6.6 U	<1.3 U	**62**	<5.7 U	<33 U	<66 U
	T115N-MW-2D	12/17/13	0.5 - 1.5	<5 U	**4.8**	**0.38**	--	**25**	36	**36**	**0.052**	**28**	<0.5 U	<0.5 U	<0.25 U	**76**	**69**	<2.9 U	<15 U	**130**
			4.5 - 5.5	<5 U	**3.9**	<0.2 U	--	**52**	38	**11**	<0.05 U	96	<0.5 U	<0.5 U	<0.25 U	**28**	**74**	<4.4 U	<16 U	**48**
			5.5 - 6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	<16 U	<33 U
			11.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<4.6 UJ	<16 U	<33 U
			13.5 - 14.5	<5 U	**5.2**	<0.2 U	--	**19**	**23**	**16**	<0.05 U	**11**	**0.57**	<0.5 U	<0.25 U	**5.4**	**27**	<4.6 U	<18 U	**79**
			26 - 27	<5 U	**2**	<0.2 U	--	**11**	**9.1**	**0.98**	<0.05 U	**8.4**	<0.5 U	<0.5 U	<0.25 U	<1 U	**23**	<3.5 U	<14 U	<29 U
	T115N-MW-3	10/29/09	6.5 - 7	<5.7 U	<5.7 U	<0.57 U	--	**38**	**19**	**9.8**	<0.057 U	**37**	<11 U	<0.57 U	<5.7 U	<1.1 U	**34**	--	--	--
			10.5 - 11.5	<6.9 U	11	<0.69 U	--	**55**	**33**	**46**	0.086	72	<14 U	<0.69 U	<6.9 U	**12**	**83**	--	--	--
			17 - 18	<5.8 U	<5.8 U	<0.58 U	--	**42**	38	**17**	<0.058 U	**40**	<12 U	<0.58 U	<5.8 U	**77**	**52**	--	--	--
	T115N-MW-4D	12/19/13	2 - 3	<5 U	**2.9**	<0.2 U	--	**37**	**16**	**4.5**	<0.05 U	**35**	<0.5 U	<0.5 U	<0.25 U	**2.6**	**33**	--	--	--
			8 - 9	<5 U	460 J	**0.31**	--	**42 J**	42	**26**	0.075	**46**	<0.5 U	<0.5 U	<0.25 U	**1.4**	**74**	--	--	--
			10 - 11	<5 U	76	<0.2 U	--	**26**	**25**	**9.8**	**0.056**	**30**	<0.5 U	<0.5 U	<0.25 U	<1 U	**36**	--	--	--
			24 - 25	<5 U	**1.9**	<0.2 U	--	**10**	**8.7**	**1.1**	<0.05 U	**7.4**	<0.5 U	<0.5 U	<0.25 U	<1 U	**21**	--	--	--
	T115N-MW-5	10/29/09	4 - 5	<6.1 U	<6.1 U	<0.61 U	--	**55**	**31**	**7.8**	<0.061 U	65	<12 U	<0.61 U	<6.1 U	**7.7**	**59**	--	--	--
			10 - 11	<5.7 U	<5.7 U	<0.57 U	--	**34**	**19**	**13**	<0.057 U	**38**	<11 U	<0.57 U	<5.7 U	**28**	**42**	--	--	--
			16 - 17	<6 U	<6 U	<0.6 U	--	**34**	**20**	**27**	<0.06 U	**35**	<12 U	<0.6 U	<6 U	**170**	**50**	--	--	--

Table 1 - Soil Analytical Data

Asenic CSM Memorandum | Glacier Northwest, Inc. Site

				Metals														Total Petroleum Hydrocarbons (TPH)		
				Antimony	Arsenic	Cadmium	Chromium (hexavalent)	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Zinc	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Glacier Site-Specific Saturated Preliminary SL				5.2	7.3	0.77	0.031	260	36	81	0.07	48	0.78	0.61	0.0044	2,100,000	85	100	2,000	2,000
Glacier Site-Specific Unsaturated Preliminary SL				81	7.3	0.77	0.62	260	36	450	0.07	48	7.4	0.61	0.088	2,100,000	100	100	2,000	2,000
Site	Location	Date	Depth (ft bgs)																	
Terminal 115 North Site	T115N-MW-10	10/30/09	3 - 8	**0.25**	**7.62**	**0.16**	--	**31**	**34.7**	**141**	**0.0313**	**33**	<0.5 U	<0.1 U	--	--	--	--	--	--
			10 - 12	**0.78**	**11.6**	<0.1 U	--	**28.1**	**20.5**	**16.2**	**0.0217**	**35.3**	<0.5 U	<0.1 U	--	--	--	--	--	--
	T115N-MW-10D	12/30/13	2 - 3	<5 U	**1.2**	<0.2 U	--	**16**	**79**	**8.5**	<0.05 U	**26**	<0.5 U	<0.5 U	<0.25 U	**52 J**	**48**	--	--	--
			6.5 - 7.5	<5 U	**4.1**	**0.28**	--	**40**	**26**	**21**	**0.051**	**37**	<0.5 U	<0.5 U	<0.25 U	**110 J**	**49**	--	--	--
			23 - 24	<5 U	**2.4**	<0.2 U	--	**9.2**	**9**	**2.5**	<0.05 U	**7.5**	<0.5 U	<0.5 U	<0.25 U	**16 J**	**25**	--	--	--
	T115N-MW-11	12/16/13	1 - 2	<5 U	<0.5 U	<0.2 U	--	**10**	**100**	**1.4**	<0.05 U	**24**	<0.5 U	<0.5 U	<0.25 U	**2.9**	**27**	--	--	--
			3 - 4	<5 U	**4.5**	<0.2 U	--	**57**	**38**	**6**	<0.05 U	**75**	<0.5 U	<0.5 U	<0.25 U	<1 U	**70**	--	--	--
			13 - 14	<5 U	**11**	<0.2 U	--	**24**	**35**	**5**	<0.05 U	**19**	**1.1**	<0.5 U	<0.25 U	<1 U	**35**	--	--	--
			13 - 14	<5 U	**11**	<0.2 U	--	**25**	**37**	**6**	<0.05 U	**16**	**1.5**	<0.5 U	<0.25 U	<1 U	**32**	--	--	--
	T115N-MW-12	12/30/13	4 - 5	<5 U	**1.8**	<0.2 U	--	**9.6**	**16**	**2.2**	<0.05 U	**8.4**	<0.5 U	<0.5 U	<0.25 U	**4.7 J**	**23**	--	--	--
			8 - 9	<5 U	**2.3**	<0.2 U	--	**16**	**12**	**2.7**	<0.05 U	**20**	<0.5 U	<0.5 U	<0.25 U	**1.6 J**	**22**	--	--	--
			8 - 9	<5 U	**3.1**	<0.2 U	--	**18**	**17**	**2.8**	<0.05 U	**22**	<0.5 U	<0.5 U	<0.25 U	**2.2 J**	**28**	--	--	--
			11 - 12	<5 U	**11**	<0.2 U	--	**18**	**27**	**5**	<0.05 U	**12**	**0.58**	<0.5 U	<0.25 U	<1 UJ	**25**	--	--	--
	T115N-MW-13	12/18/13	1 - 2	<5 U	**3.2**	<0.2 U	--	**26**	**40**	**22**	<0.05 U	**35**	<0.5 U	<0.5 U	<0.25 U	**91 J**	**44**	--	--	--
			5 - 6	<5 U	**0.72**	<0.2 U	--	**26**	**86**	**39**	<0.05 U	**39**	<0.5 U	<0.5 U	<0.25 U	**310**	**55**	--	--	--
			7 - 8	<5 U	**2.6**	<0.2 U	--	**120**	**28**	**3.8**	<0.05 U	**68**	**0.72**	<0.5 U	<0.25 U	**1,100**	**48**	--	--	--
			9 - 10	<5 U	**5.2**	<0.2 U	--	**50**	**34**	**7.8**	<0.05 U	**56**	**0.59**	<0.5 U	<0.25 U	**110 J**	**66**	--	--	--
	T115N-MW-14	12/18/13	2 - 3	<5 U	**22**	<0.2 U	--	**24**	**26**	**10**	<0.05 U	**23**	<0.5 U	<0.5 U	<0.25 U	**28 J**	**35**	--	--	--
			5 - 6	<5 U	**43**	<0.2 U	--	**11**	**25**	**10**	**0.057**	**9.8**	<0.5 U	<0.5 U	<0.25 U	**25 J**	**24**	--	--	--
			7 - 8	<5 U	**460**	<0.2 U	--	**10**	**18**	**7.3**	<0.05 U	**7.7**	<0.5 U	<0.5 U	<0.25 U	**34 J**	**85**	--	--	--
			10 - 11	<5 U	**13**	<0.2 U	--	**18**	**29**	**4.5**	<0.05 U	**15**	**1.2**	<0.5 U	<0.25 U	**1.3 J**	**47**	--	--	--
	T115N-MW-15	12/27/13	3 - 4	<5 U	**1.3**	<0.2 U	--	**34**	**33**	**57**	<0.05 U	**38**	<0.5 U	<0.5 U	<0.25 U	**1,500**	**61**	--	--	--
			7 - 8	<5 U	**4.6**	<0.2 U	--	**50**	**12**	**19**	<0.05 U	**48**	<0.5 U	<0.5 U	<0.25 U	**89**	**28**	--	--	--
			13 - 14	<5 U	**140**	**0.38**	--	**60**	**32**	**63**	<0.05 U	**42**	<0.5 U	<0.5 U	<0.25 U	**89**	**57**	--	--	--
	T115N-MW-16	12/27/13	3 - 4	<5 U	<0.5 U	**1.6**	--	**140**	**40**	**4,100**	<0.05 U	**32**	<0.5 U	<0.5 U	<0.25 U	**11,000**	**1,200**	--	--	--
			5 - 6	<5 U	<0.5 U	**0.29**	--	**30**	**24**	**1,200**	<0.05 U	**28**	<0.5 U	<0.5 U	<0.25 U	**3,500**	**240**	--	--	--
			7.5 - 8.5	<5 U	<0.5 U	<0.2 U	--	**31**	**17**	**100**	<0.05 U	**37**	<0.5 U	<0.5 U	<0.25 U	**3,000**	**130**	--	--	--
			11.5 - 12.5	<5 U	**20 J**	<0.2 U	--	**20 J**	**26**	**19 J**	**0.057**	**17**	<0.5 U	<0.5 U	<0.25 U	**61 J**	**44**	--	--	--
			11.5 - 12.5	<5 U	**12 J**	<0.2 U	--	**17 J**	**25**	**140 J**	<0.05 U	**12**	<0.5 U	<0.5 U	<0.25 U	**180 J**	**42**	--	--	--
	T115N-MW-17	12/26/13	2.5 - 3.5	**20**	**91**	**1.2**	--	**12**	**48**	**340**	<0.05 U	**14**	**1.2**	**0.72**	**0.47**	**74**	**390**	<5 U	<18 U	**96**
			5.5 - 6.5	**14**	**54**	**0.84**	--	**9.4**	**43**	**210**	<0.05 U	**12**	**0.8**	<0.5 U	**0.32**	**59**	**240**	<5 U	**21**	**150**
			7.5 - 8.5	<5 U	**2.4**	<0.2 U	--	**6.1**	**15**	**10**	<0.05 U	**13**	<0.5 U	<0.5 U	<0.25 U	**2.6**	**50**	<5 U	<15 U	<31 U
			19 - 20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	**33**	**110**
	T115N-MW-18	12/18/13	2 - 3	**9.2**	**0.59**	**7.7**	--	**690**	**220**	**22,000**	**0.099**	**51**	<3.1 U	**1.2**	<0.25 U	**27,000**	**9,200**	<4.4 UJ	**330 J**	**2,300**
			5 - 6	<5 U	**3**	<0.2 U	--	**54**	**23**	**300**	<0.05 U	**47**	<0.5 U	<0.5 U	<0.25 U	**2,700**	**190**	<3.6 U	**130 J**	**750**
			10 - 11	<5 U	**4.2**	<0.2 U	--	**41**	**21**	**40**	<0.05 U	**52**	<0.5 U	<0.5 U	<0.25 U	**40 J**	**62**	<3.2 U	**17 J**	**140**
			18 - 19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<3.8 U	**53 J**	**180**
	T115N-MW-19D	12/26/13	3 - 4	<5 U	**2.2 J**	<0.2 U	--	**7.9 J**	**12**	**57**	<0.05 U	**10**	<0.5 U	<0.5 U	<0.25 U	**380**	**77**	<5 U	<14 U	<29 U
			3 - 4	<5 U	**1.1 J**	<0.2 U	--	**5.2 J**	**9.5**	**42**	<0.05 U	**8.6**	<0.5 U	<0.5 U	<0.25 U	**270**	**62**	<5 U	<14 U	<28 U
			7 - 8	<5 U	**1.4**	<0.2 U	--	**6.7**	**11**	**32**	<0.05 U	**7.9**	<0.5 U	<0.5 U	<0.25 U	**190**	**62**	<5 U	<15 U	<29 U
			10 - 11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	<15 U	<29 U
			26 - 27	<5 U	**4.8**	**0.44**	--	**11**	**24**	**14**	**0.17**	**8.5**	<0.5 U	<0.5 U	<0.25 U	**2.8**	**62**	<5 U	**37**	**120**
	T115N-MW-20	12/16/13	2 - 3	<5 U	**5.6**	<0.2 U	--	**52**	**42**	**7.3**	<0.05 U	**62**	<0.5 U	<0.5 U	<0.25 U	**25**	**330**	<4.8 U	<32 U	**750**
			4 - 5	<5 U	**5.1**	<0.2 U	--	**51**	**41**	**9.6**	<0.05 U	**68**	<0.5 U	<0.5 U	<0.25 U	**31**	**81**	<4.6 UJ	<18 U	<35 U
			9 - 10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<4.9 UJ	<18 U	<36 U
			13 - 14	<5 U	**6.3**	<0.2 U	--	**22**	**24**	**4.9**	**0.055**	**19**	**0.69**	<0.5 U	<0.25 U	**1.2**	**35**	<4.7 UJ	<18 U	**44**
	T115N-TP-01	12/04/13	1 - 2	<5 U	**3.7**	<0.2 U	--	**31**	**63**	**57**	<0.05 U	**30**	<0.5 U	<0.5 U	<0.25 U	**350**	**130**	--	--	--
			3 - 4	<5 U	**7.5**	<0.2 U	--	**44**	**26**	**21**	**0.058**	**49**	<0.5 U	<0.5 U	<0.25 U	**740**	**71**	--	--	--
	T115N-TP-02	12/04/13	1 - 2	<5 U	**16**	**0.26**	--	**58**	**40**	**19**	**0.071**	**60**	**0.74**	<0.5 U	<0.25 U	**24**	**76**	<4.5 U	<16 U	<31 U
			3 - 4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<4.7 U	<16 U	<32 U
			4 - 5	<5 U	**4.3**	<0.2 U	--	**65**	**33**	**5.5**	<0.05 U	**65**	**0.51**	<0.5 U	<0.25 U	**7.4**	**64**	<4.6 U	<16 U	**56**
		12/23/13	7 - 8	<5 U	**1.4**	<0.2 U	--	**12**	**26**	**5.2**	**0.053**	**13**	<0.5 U	<0.5 U	<0.25 U	**2.1**	**76**	<5 U	<17 U	<35 U
	T115N-TP-03	12/04/13	1	<5 U	**0.97**	<0.2 U	--	**11**	**130**	**7.2**	<0.05 U	**16**	**0.56**	<0.5 U	<0.25 U	**45**	**47**	<4.4 U	<14 U	**32**
			2 - 3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<4.6 U	<16 U	**120 J**
			2 - 3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<4.5 U	<15 U	**57 J**
			4 - 5	<5 U	**2.5**	<0.2 U	--	**64**	**24**	**4.5**	<0.05 U	**51**	<0.5 U	<0.5 U	<0.25 U	**1.2**	**52**	<4.4 U	<16 U	<31 U
Terminal 115 Plant 1 Site	T115P1-A-MW-1	09/27/24	5.5 - 6	--	**4.1**	**0.23**	--	**34 J**	--	**6.1**	**0.059**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			9 - 10	--	**2.4**	**0.97**	--	**8.9 J**	--	**25**	**0.066**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	**520**
			14 - 15	--	**1.9**	**0.15**	--	**9.9 J**	--	**4**	**0.032**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
	T115P1-A-MW-2D	08/27/24	3.5 - 4.5	--	**1.3**	<0.12 U	--	**6**	**7.1**	**2**	<0.01 U	--	--	<0.1 U	--	--	**15**	<20 U	--	<250 U
			13 - 14	--	**4.1**	**0.31**	--	**15**	**46**	**17**	**0.013 J**	--	--	<0.1 U	--	--	**36**	<20 U	**61 J**	**440 J**
			16 - 17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 UJ	<50 UJ
			23 - 24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 UJ	<50 UJ
			28 - 29	--	**0.55**	<0.12 U	--	**8.4**	**7.8**	**1.1**	**0.028 J**	--	--	<0.1 U	--	--	**16**	<20 U	--	<250 U
	T115P1-A-SB-3	09/17/24	9 - 10	--	--	--	--	--	--	**29**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
			15 - 16	--	--	--	--	--	--	**4.4**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
			21 - 23	--	--	--	--	--	--	**1.7**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
			21 - 23	--	--	--	--	--	--	**1.6**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
	T115P1-A-SB-4	09/17/24	9 - 10	--	--	--	--	--	--	**5.5**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
			12 - 13	--	--	--	--	--	--	**42**	--	--	--	--	--	--	--	<20 U	<50 U	**310**
				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**130**	--
			17 - 18	--	--	--	--	--	--	**3.5**	--	--	--	--	--	--	--	--	--	--
			22 - 23	--	--	--	--	--	--	**2.8**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
	T115P1-A-SB-6	09/19/24	4 - 5	--	--	--	--	--	--	**1.6**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
			9 - 10	--	--	--	--	--	--	**2.9**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
			13 - 14	--	--	--	--	--	--	**1.4**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
	T115P1-A-SB-7	09/24/24	3.5 - 4.5	--	--	--	--	--	--	**36**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
			12 - 13	--	--	--	--	--	--	**1.1**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
			18 - 19	--	--	--	--	--	--	**3.2**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U

Table 1 - Soil Analytical Data

Asenic CSM Memorandum | Glacier Northwest, Inc. Site

				Metals														Total Petroleum Hydrocarbons (TPH)		
				Antimony	Arsenic	Cadmium	Chromium (hexavalent)	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Zinc	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Glacier Site-Specific Saturated Preliminary SL				5.2	7.3	0.77	0.031	260	36	81	0.07	48	0.78	0.61	0.0044	2,100,000	85	100	2,000	2,000
Glacier Site-Specific Unsaturated Preliminary SL				81	7.3	0.77	0.62	260	36	450	0.07	48	7.4	0.61	0.088	2,100,000	100	100	2,000	2,000
Site	Location	Date	Depth (ft bgs)																	
Terminal 115 Plant 1 Site	T115P1-A-SB-8	09/24/24	4 - 5	--	**1.2**	<0.12 U	--	**6.1 J**	--	**1.5**	**0.013 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			9 - 9.75	--	**1.4**	<0.12 U	--	**7.1 J**	--	**1.5**	**0.017 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			14 - 15	--	**4.3**	<0.12 U	--	**11 J**	--	**4.5**	**0.048 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
	T115P1-A-SB-11	09/19/24	4 - 5	--	**2.8**	**0.23**	--	**30**	--	**6.6**	**0.071 J**	--	**0.23 J**	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			9 - 10	--	**3.1**	**0.38**	--	**7.4**	--	**47**	**0.048 J**	--	<0.2 UJ	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			13 - 14	--	**1.5**	<0.12 U	--	**8**	--	**1.2**	**0.029 J**	--	<0.2 UJ	<0.1 U	--	--	--	<20 U	<50 U	<250 U
	T115P1-B-MW-1	08/19/24	2 - 3	--	**4.6**	**0.3**	--	**27**	**20**	**17**	**0.11 J**	--	--	<0.1 U	--	--	**44**	<20 U	--	<250 U
			12 - 14	--	**2**	**0.15**	--	**15**	**10**	**3.7**	**0.011 J**	--	--	<0.1 U	--	--	**23**	<20 U	--	<250 U
			15 - 17.5	--	**2.6**	**0.21**	--	**17**	**18**	**14**	**0.2 J**	--	--	<0.1 U	--	--	**43**	<20 U	--	<250 U
			15 - 17.5	--	**2.4**	**0.17**	--	**14**	**20**	**13**	**0.015 J**	--	--	<0.1 U	--	--	**35**	<20 U	--	<250 U
	T115P1-B-MW-2	08/19/24	2 - 3	--	**16**	**0.51**	--	**20**	--	**110**	**0.067 J**	--	<0.2 UJ	**0.19**	--	--	--	<20 U	--	<250 U
			12 - 14	--	**7.4 J**	**0.35**	--	**15**	--	**36 J**	**0.029 J**	--	<0.2 UJ	**0.12**	--	--	--	<20 U	--	<250 U
			18 - 19	--	**0.84 J**	<0.12 U	--	**8**	--	**1.3 J**	<0.01 U	--	<0.2 UJ	<0.1 U	--	--	--	<20 U	--	<250 U
			18 - 19	--	**0.69 J**	<0.12 U	--	**8.1**	--	**1.2 J**	<0.01 U	--	<0.2 UJ	<0.1 U	--	--	--	<20 U	--	<250 U
	T115P1-B-MW-3D	08/20/24	3 - 4	--	**4.2**	**0.34**	--	**13**	**17**	**13**	**0.079**	--	--	**0.18**	--	--	**36**	<20 U	--	<250 U
			13 - 14	--	**4.1**	**0.46**	--	**79**	**19**	**3.4**	**0.054**	--	--	<0.1 U	--	--	**19**	<20 U	--	<250 U
			33 - 34	--	**2**	<0.12 U	--	**6.7**	**7.9**	**1.2**	**0.018**	--	--	<0.1 U	--	--	**17**	<20 U	--	<250 U
			3 - 4	--	**5.4**	**0.37**	--	**13**	**18**	**13**	**0.13**	--	--	**0.24**	--	--	**40**	<20 U	--	<250 U
			13 - 14	--	**3.7**	**0.78**	--	**61**	**14**	**3.4**	**0.038**	--	--	<0.1 U	--	--	**20**	<20 U	--	<250 U
			33 - 34	--	**1.9**	<0.12 U	--	**7.1**	**8.5**	**1.2**	<0.01 U	--	--	<0.1 U	--	--	**19**	<20 U	--	<250 U
	T115P1-B-MW-4	08/20/24	7 - 8	--	--	--	--	--	--	**13**	--	--	--	--	--	--	--	<20 U	--	<250 U
			14 - 15	--	--	--	--	--	--	**4.7**	--	--	--	--	--	--	--	<20 U	--	<250 U
			19 - 20	--	--	--	--	--	--	**2.2**	--	--	--	--	--	--	--	<20 U	--	<250 U
			14 - 15	--	--	--	--	--	--	**6.6**	--	--	--	--	--	--	--	<20 U	--	<250 U
			19 - 20	--	--	--	--	--	--	**1.8**	--	--	--	--	--	--	--	<20 U	--	<250 U
	T115P1-B-MW-5	10/03/24	3.5 - 4.5	--	--	--	--	--	--	**76**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
			3.5 - 4.5	**3.6**	**10**	**0.33**	--	**43**	**40**	**64**	**0.1**	**39**	**0.22 J**	**0.65**	--	--	**100**	<5.4 U	**62**	**390**
			6 - 7	--	--	--	--	--	--	**1.3**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
			6 - 7	**0.11 J**	**3**	**0.05 J**	--	**23**	**13**	**1.5**	**0.008 J**	**27**	**0.057 J**	**0.029 J**	--	--	**28**	<4.3 U	<12 U	<17 U
			14 - 15	--	--	--	--	--	--	**3.1**	--	--	--	--	--	--	--	**240**	<50 U	<250 U
			14 - 15	**0.18 J**	**4**	**0.07 J**	--	**16**	**25**	**3.1**	**0.021 J**	**13**	**0.23 J**	**0.045 J**	--	--	**34**	**800 J**	**160**	**240**
			14 - 15	--	--	--	--	--	--	**2.9**	--	--	--	--	--	--	--	**1,400**	<50 U	<250 U
			17 - 18	--	--	--	--	--	--	**3.3**	--	--	--	--	--	--	--	**110**	**15**	**76**
			17 - 18	**0.13 J**	**1.4**	**0.042 J**	--	**13**	**12**	**2**	<0.007 U	**9.7**	**0.069 J**	**0.015 J**	--	--	**30**	**530**	**85**	**84**
			22 - 23	--	--	--	--	--	--	**1.2**	--	--	--	--	--	--	--	**33**	<50 U	<250 U
			22 - 23	**0.07 J**	**0.82**	<0.022 U	--	**11**	**8.7**	**1.2**	<0.0079 U	**6.2**	<0.038 U	**0.01 J**	--	--	**21**	**31**	<14 U	<20 U
			24 - 25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	--	--
	T115P1-B-MW-6	08/22/24	3 - 4	--	**3.9**	**0.19**	--	**14**	--	**16**	**0.052**	--	<0.2 U	<0.1 U	--	--	--	<5 U	**12**	**72**
			8 - 9	--	**1.9**	**0.15**	--	**6.3**	--	**3.5**	**0.024**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	<50 U
			17 - 18	--	**4.8**	**0.34**	--	**14**	--	**3.2**	**0.081**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	<50 U
	T115P1-B-MW-8	08/21/24	3 - 4	--	--	--	--	--	--	**25**	--	--	--	--	--	--	--	<20 U	--	<250 U
			8 - 9	--	--	--	--	--	--	**1.2**	--	--	--	--	--	--	--	<20 U	--	<250 U
			18 - 19	--	--	--	--	--	--	**2.8**	--	--	--	--	--	--	--	<20 U	--	<250 U
			3 - 4	--	--	--	--	--	--	**27**	--	--	--	--	--	--	--	<20 U	--	<250 U
			18 - 19	--	--	--	--	--	--	**1.9**	--	--	--	--	--	--	--	<20 U	--	<250 U
	T115P1-B-MW-9	08/21/24	3 - 4	--	--	--	--	--	--	**3.7**	--	--	--	--	--	--	--	<20 U	--	<250 U
			18 - 19	--	--	--	--	--	--	**2**	--	--	--	--	--	--	--	<20 U	--	<250 U
			3 - 4	--	--	--	--	--	--	**5.1**	--	--	--	--	--	--	--	<20 U	--	<250 U
			18 - 19	--	--	--	--	--	--	**1.9**	--	--	--	--	--	--	--	<20 U	--	<250 U
	T115P1-B-MW-10	08/22/24	3 - 4	--	**2.5**	**0.14**	--	**13**	--	**2.1**	**0.019**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	<50 U
			8 - 9	--	**2.2**	<0.12 U	--	**12**	--	**1.9**	**0.015**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	<50 U
			13 - 14	--	**5.9**	<0.12 U	--	**12**	--	**4.5**	**0.054**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	**58**
	T115P1-B-MW-11	08/21/24	3 - 4	--	--	--	--	--	--	**13**	--	--	--	--	--	--	--	<20 U	--	<250 U
			9 - 10	--	--	--	--	--	--	**5.1**	--	--	--	--	--	--	--	<20 U	--	<250 U
			18 - 19	--	--	--	--	--	--	**3**	--	--	--	--	--	--	--	<20 U	--	<250 U
			3 - 4	--	--	--	--	--	--	**15**	--	--	--	--	--	--	--	<20 U	--	<250 U
			18 - 19	--	--	--	--	--	--	**3.1**	--	--	--	--	--	--	--	<20 U	--	<250 U
	T115P1-B-MW-12	10/03/24	3 - 4	--	**2.2**	<0.12 U	--	**14**	**14**	**3**	**0.035 J**	--	--	<0.1 U	--	--	**19**	<20 U	<50 U	<250 U
			8 - 9	--	**2.1**	<0.12 U	--	**15**	**10**	**2.2**	**0.023 J**	--	--	<0.1 U	--	--	**18**	<20 U	<50 U	<250 U
			11 - 12	--	**1.7**	<0.12 U	--	**15**	**8.8**	**1.6**	**0.021 J**	--	--	<0.1 U	--	--	**18**	<20 U	<50 U	<250 U
	T115P1-B-SB-1	09/19/24	2 - 3	--	--	--	--	--	--	**2**	--	--	--	--	--	--	--	<5 U	<10 U	<50 U
			10 - 11	--	--	--	--	--	--	**1.2**	--	--	--	--	--	--	--	**240**	**160**	<50 U
			14 - 15	--	--	--	--	--	--	**3.1**	--	--	--	--	--	--	--	<5 U	<10 U	<50 U
	T115P1-B-SB-2	08/06/24	3 - 4	--	--	--	--	--	--	**1.5**	--	--	--	--	--	--	--	<5 U	<10 U	<50 U
			9 - 10	--	--	--	--	--	--	**13**	--	--	--	--	--	--	--	**40**	**150**	<50 U
			12.5 - 13.5	--	--	--	--	--	--	**11**	--	--	--	--	--	--	--	**2,200**	**2,700**	**83**
			18.5 - 19.5	--	--	--	--	--	--	**3**	--	--	--	--	--	--	--	<5 U	**13**	**140**
			23 - 24	--	--	--	--	--	--	**2**	--	--	--	--	--	--	--	<5 U	<10 U	<50 U
	T115P1-B-SB-3	09/19/24	3 - 4	--	--	--	--	--	--	**1.7**	--	--	--	--	--	--	--	<5 U	<10 U	<50 U
			8.5 - 10	--	--	--	--	--	--	**3.6**	--	--	--	--	--	--	--	**70 J**	**1,400 J**	<50 U
			18.5 - 20	--	--	--	--	--	--	**2.2**	--	--	--	--	--	--	--	**5,300**	**41**	<50 U
			34 - 35	--	--	--	--	--	--	**1.1**	--	--	--	--	--	--	--	<5 U	<10 U	<50 U
			18.5 - 20	--	--	--	--	--	--	**2.4**	--	--	--	--	--	--	--	**2,300**	**86**	**53**
	T115P1-B-SB-3A	09/24/24	14.8 - 15	--	--	--	--	--	--	**1.5**	--	--	--	--	--	--	--	<5 U	<10 U	**61**
			19 - 20	--	--	--	--	--	--	**3**	--	--	--	--	--	--	--	**13**	<10 U	<50 U
			23 - 24	--	--	--	--	--	--	**2.8**	--	--	--	--	--	--	--	<5 U	<10 U	<50 U
	T115P1-B-SB-4	08/05/24	3 - 4	--	--	--	--	--	--	**17**	--	--	--	--	--	--	--	<5 U	**10**	<50 U
			11 - 12	--	--	--	--	--	--	**1.2**	--	--	--	--	--	--	--	<5 U	**58**	<50 U
			16.5 - 17.5	--	--	--	--	--	--	**2.3**	--	--	--	--	--	--	--	<5 U	**12**	**110**

Table 1 - Soil Analytical Data

Asenic CSM Memorandum | Glacier Northwest, Inc. Site

				Metals														Total Petroleum Hydrocarbons (TPH)		
				Antimony	Arsenic	Cadmium	Chromium (hexavalent)	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Zinc	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Glacier Site-Specific Saturated Preliminary SL				5.2	7.3	0.77	0.031	260	36	81	0.07	48	0.78	0.61	0.0044	2,100,000	85	100	2,000	2,000
Glacier Site-Specific Unsaturated Preliminary SL				81	7.3	0.77	0.62	260	36	450	0.07	48	7.4	0.61	0.088	2,100,000	100	100	2,000	2,000
Site	Location	Date	Depth (ft bgs)																	
Terminal 115 Plant 1 Site	T115P1-B-SB-5	08/06/24	4 - 5	--	--	--	--	--	--	**54**	--	--	--	--	--	--	--	<5 U	<10 U	<50 U
			9 - 10	--	--	--	--	--	--	**2.9**	--	--	--	--	--	--	--	<5 U	**18**	<50 U
			14 - 15	--	--	--	--	--	--	**2.7**	--	--	--	--	--	--	--	<5 U	**13**	**210**
			18 - 19	--	--	--	--	--	--	**3.5**	--	--	--	--	--	--	--	<5 U	<10 U	<50 U
			22 - 23	--	--	--	--	--	--	**1.9**	--	--	--	--	--	--	--	<5 U	<10 U	<50 U
	T115P1-B-SB-6	08/06/24	8 - 9	--	--	--	--	--	--	**15**	--	--	--	--	--	--	--	<5 U	<10 U	**72**
			14 - 15	--	--	--	--	--	--	**5.2**	--	--	--	--	--	--	--	**350**	**2,200**	**4,400**
			16.5 - 17	--	--	--	--	--	--	**17**	--	--	--	--	--	--	--	**24 J**	**96 J**	**140 J**
	T115P1-B-SB-7	08/06/24	3 - 4	--	--	--	--	--	--	**26**	--	--	--	--	--	--	--	<5 U	**12**	<50 U
			8.5 - 9.5	--	--	--	--	--	--	**19**	--	--	--	--	--	--	--	<5 U	<10 U	<50 U
			13.5 - 14.5	--	--	--	--	--	--	**5.9**	--	--	--	--	--	--	--	<5 U	**11**	**220**
			17 - 18	--	--	--	--	--	--	**2.5**	--	--	--	--	--	--	--	<5 U	<10 U	**51**
			20 - 21	--	--	--	--	--	--	**2.2**	--	--	--	--	--	--	--	<5 U	<10 U	<50 U
	T115P1-B-SB-8	08/05/24	4 - 5	--	--	--	--	--	--	**36**	--	--	--	--	--	--	--	<20 U	--	<250 U
			8.5 - 10	--	--	--	--	--	--	**35**	--	--	--	--	--	--	--	**810**	**380**	**510**
	T115P1-B-SB-8A	08/05/24	14 - 14.5	--	--	--	--	--	--	**20**	--	--	--	--	--	--	--	**190**	**1,500**	**150**
	T115P1-B-SB-8B	08/05/24	16 - 17	--	--	--	--	--	--	**2**	--	--	--	--	--	--	--	<20 U	--	<250 U
	T115P1-B-SB-9	08/07/24	3 - 4	--	**4.9**	<0.12 U	<0.493 U	<2.5 U	--	**1.2**	**0.16**	--	<0.2 U	<0.1 UJ	--	--	--	<5 U	<10 U	<50 U
			8.3 - 8.7	--	**5.7**	**0.2**	**4.07**	**49**	--	**6.5**	**0.026**	--	<0.2 U	<0.1 UJ	--	--	--	--	--	--
			9.5 - 10	--	**2.7**	**0.51**	<0.516 U	**8.6**	--	**10**	**0.037**	--	<0.2 U	<0.1 UJ	--	--	--	<5 U	<10 U	<50 U
			14 - 15	--	**3.5**	<0.12 U	<0.724 U	**12**	--	**2.9**	**0.059**	--	<0.2 U	<0.1 UJ	--	--	--	<5 U	**15**	**120**
	T115P1-B-SB-10	08/06/24	4 - 5	--	**5.6**	**0.28**	--	**16**	--	**29**	**0.055**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			8 - 9	--	**42**	**20**	--	**1,500**	--	**700**	**0.19**	--	**0.23**	**1.2**	--	--	--	<20 U	**95,000**	**160,000**
			13 - 14	--	**52**	**21**	--	**400**	--	**3,100**	**0.2**	--	<0.2 U	**19**	--	--	--	<20 U	**1,100**	**1,500**
			17 - 18	--	**1**	<0.12 U	--	**8.2**	--	**1.5**	**0.014 J**	--	<0.2 UJ	<0.1 U	--	--	--	--	**45 J**	<50 UJ
	T115P1-B-SB-11	08/05/24	4 - 5	--	**4.2**	**0.19**	<0.589 U	**21**	--	**12**	**0.048**	--	<0.2 U	<0.1 U	--	--	--	--	--	--
			12.5 - 14	--	**7**	**0.32**	<0.762 U	**22**	--	**49**	**0.19**	--	**0.27**	**0.29**	--	--	--	--	--	--
			15 - 16.5	--	**3**	<0.12 U	<0.586 U	**9.4**	--	**4.8**	**0.035**	--	<0.2 U	<0.1 U	--	--	--	--	--	--
	T115P1-B-SB-12	08/05/24	2.5 - 3.5	--	--	--	--	--	--	**2.2**	--	--	--	--	--	--	--	<20 U	--	<250 U
			13 - 14	--	--	--	--	--	--	**3.6**	--	--	--	--	--	--	--	<20 U	--	<250 U
			16 - 17	--	--	--	--	--	--	**3.1**	--	--	--	--	--	--	--	<20 U	--	<250 U
	T115P1-B-SB-13	08/05/24	4 - 5	--	**2.8**	**0.21**	--	**15**	--	**23**	**0.046**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
	T115P1-B-SB-14	08/07/24	3 - 4	--	**6.1**	<0.12 U	--	<2.5 U	--	**1.9**	**0.057**	--	<0.2 U	<0.1 UJ	--	--	--	<20 U	--	<250 U
			7.5 - 7.9	--	**9.1**	**0.14**	--	**17**	--	**1.6**	**0.011**	--	<0.2 U	<0.1 UJ	--	--	--	<20 U	--	<250 U
			9 - 10	--	**2**	**0.22**	--	**7.1**	--	**1.2**	**0.017**	--	<0.2 U	<0.1 UJ	--	--	--	<20 U	--	<250 U
			14 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<20 U	--	<250 U
	T115P1-B-SB-16	09/18/24	4 - 5	--	**5**	**0.23**	--	**20 J**	--	**17**	**0.15 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			8 - 10	--	**3.3**	<0.12 U	--	**8.5 J**	--	**3**	**0.034 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			13 - 14	--	**5.7**	<0.12 U	--	**8.3 J**	--	**2.6**	**0.044 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
	T115P1-B-SB-17	09/18/24	3 - 4	--	**3.9**	**0.25**	--	**18 J**	--	**17**	**0.085 J**	--	<0.2 U	<0.1 U	--	--	--	<5 U	**17**	**120**
			8 - 9	--	**1.8**	**0.12**	--	**7.5 J**	--	**2**	**0.03 J**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	<50 U
			18 - 19	--	**3**	<0.12 U	--	**9 J**	--	**1.6**	**0.021 J**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	<50 U
	T115P1-B-SB-18	08/07/24	4 - 5	--	**4.6**	**0.25**	--	**17**	--	**18**	**0.069**	--	<0.2 U	<0.1 UJ	--	--	--	<20 U	--	<250 U
			9 - 10	--	**1.1**	**1.5**	--	**23**	--	**2.6**	**0.023**	--	<0.2 U	<0.1 UJ	--	--	--	<20 U	--	<250 U
			14 - 15	--	**5.9**	<0.12 U	--	**10**	--	**2.9**	**0.037**	--	<0.2 U	<0.1 UJ	--	--	--	<20 U	--	<250 U
	T115P1-B-SB-19	09/18/24	4 - 5	--	**6.6**	**0.3**	--	**18 J**	--	**26**	**0.086 J**	--	<0.2 U	**0.12**	--	--	--	--	--	--
	T115P1-B-SB-20	08/06/24	3 - 4	--	**17**	**0.43**	--	**20**	--	**75**	**0.062**	--	**0.22**	**0.15**	--	--	--	--	**14**	**170**
			13 - 14	--	**5.4**	**0.25**	--	**14**	--	**5.4**	**0.059**	--	**0.3**	<0.1 U	--	--	--	--	<10 U	<50 U
			23 - 24	--	**1.2**	<0.12 U	--	**8.5**	--	**1.8**	**0.086**	--	<0.2 U	<0.1 U	--	--	--	--	<10 U	<50 U
	T115P1-B-SB-21	08/06/24	4 - 5	--	**12**	**0.41**	--	**18**	--	**66**	**0.085**	--	**0.32**	**0.14**	--	--	--	<5 U	**45**	**170**
			12.5 - 14	--	**2.6**	<0.12 U	--	**8.7**	--	**2**	**0.033**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	**110**
			16 - 17	--	**1.7**	**0.25**	--	**8.9**	--	**1.8**	**0.033**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	<50 U
	T115P1-B-SB-22	08/06/24	4 - 5	--	**3.2**	**0.32**	--	**17**	--	**25**	**0.047**	--	<0.2 U	<0.1 U	--	--	--	<20 U	**150**	**380**
			9 - 10	--	**1.2**	<0.12 U	--	**5.8**	--	**0.94**	**0.012**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			12 - 13	--	**5.2**	<0.12 U	--	**12**	--	**4**	**0.047**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
	T115P1-B-SB-23	09/18/24	4 - 5	--	**5.1**	**0.29**	--	**16 J**	--	**26**	**0.086 J**	--	<0.2 U	**0.12**	--	--	--	<20 U	**53**	**400**
			8 - 9	--	**1.3**	**0.22**	--	**9 J**	--	**5.2**	**0.03 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			10 - 11.5	--	**2.7**	<0.12 U	--	**7.1 J**	--	**2.8**	**0.034 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			10 - 11.5	--	**2.7**	<0.12 U	--	**7.7 J**	--	**2.9**	**0.036 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
	T115P1-B-SB-24	08/05/24	4 - 5	--	**3.7**	**0.18**	--	**18**	--	**15**	**0.051**	--	<0.2 U	<0.1 U	--	--	--	--	**23**	**77**
			13 - 14	--	**6.4**	**0.2**	--	**15**	--	**5.7**	**0.051**	--	**0.23**	<0.1 U	--	--	--	--	<10 U	**56**
			17 - 18	--	**3.9**	<0.12 U	--	**13**	--	**2.9**	**0.069**	--	**0.22**	<0.1 U	--	--	--	--	<10 U	<50 U
	T115P1-B-SB-25	09/24/24	9 - 10	--	--	--	--	--	--	**3.9**	--	--	--	--	--	--	--	**150**	**500**	<50 U
			12 - 12.7	--	--	--	--	--	--	**1.6**	--	--	--	--	--	--	--	**47**	**320**	<50 U
			14 - 15	--	--	--	--	--	--	**3**	--	--	--	--	--	--	--	<5 U	<10 U	**71**
			19 - 20	--	--	--	--	--	--	**3.2**	--	--	--	--	--	--	--	**61**	<10 U	<50 U
			23 - 24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**46**	--	--
			29 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	--	--
	T115P1-C-MW-1	09/30/24	7 - 8	--	**3.2**	**0.23**	--	**34**	--	**7.3**	**0.079**	--	<0.2 U	<0.1 U	--	--	--	**16**	<50 U	<250 U
			9.5 - 10	--	**1.9**	<0.12 U	--	**26**	--	**4.3**	**0.052**	--	<0.2 U	<0.1 U	--	--	--	**210**	<50 U	<250 U
			11 - 12	--	**3.1**	**0.22**	--	**20**	--	**41**	**0.076**	--	<0.2 U	<0.1 U	--	--	--	**95**	<50 U	<250 U
			16 - 17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**7.8**	--	--
	T115P1-C-MW-2	09/30/24	3 - 3.5	--	**4.7**	**0.23**	--	**38**	--	**5.2**	**0.059**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	<50 U
			9 - 10	--	**2.9**	<0.12 U	--	**24**	--	**3.7**	**0.044**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	<50 U
			11.5 - 12	--	**3.7**	<0.12 U	--	**23**	--	**3.7**	**0.044**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	<50 U

Table 1 - Soil Analytical Data

Asenic CSM Memorandum | Glacier Northwest, Inc. Site

				Metals														Total Petroleum Hydrocarbons (TPH)		
				Antimony	Arsenic	Cadmium	Chromium (hexavalent)	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Zinc	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Glacier Site-Specific Saturated Preliminary SL				5.2	7.3	0.77	0.031	260	36	81	0.07	48	0.78	0.61	0.0044	2,100,000	85	100	2,000	2,000
Glacier Site-Specific Unsaturated Preliminary SL				81	7.3	0.77	0.62	260	36	450	0.07	48	7.4	0.61	0.088	2,100,000	100	100	2,000	2,000
Site	Location	Date	Depth (ft bgs)																	
Terminal 115 Plant 1 Site	T115P1-C-MW-5	08/26/24	3 - 4	--	**5.4**	**6.7**	--	**45**	--	**110**	**0.11**	--	**0.22**	**3.3**	--	--	--	--	**27**	<50 U
			5 - 6	--	--	**8.9**	--	--	--	**280**	--	--	--	--	--	--	--	--	--	--
			14 - 15	--	**4.2**	**0.23**	--	**11**	--	**6.5**	**0.039**	--	<0.2 U	<0.1 U	--	--	--	--	**750**	<50 U
			17 - 18	--	**2.4**	<0.12 U	--	**10**	--	**2.3**	**0.021**	--	<0.2 U	<0.1 U	--	--	--	--	**23**	<50 U
	T115P1-C-MW-6	08/26/24	4 - 5	--	**1.8**	**35**	--	**600**	--	**1,600**	**0.035**	--	<0.2 U	**74**	--	--	--	--	**200**	**2,200**
			6.5 - 7.5	--	--	**36**	--	--	--	**3,100**	--	--	--	--	--	--	--	--	--	--
			7.5 - 8.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1,100**	**77**
			12 - 13	--	--	**0.37**	--	--	--	**23**	--	--	--	--	--	--	--	--	**170**	**960**
			4 - 5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**370**	**1,500**
	T115P1-C-SB-1	09/16/24	6 - 7	--	--	--	--	--	--	**7.8**	--	--	--	--	--	--	--	**32 J**	<50 U	<250 U
			8 - 9	--	--	--	--	--	--	**5.7**	--	--	--	--	--	--	--	**140 J**	<50 U	<250 U
			13 - 14	--	--	--	--	--	--	**3.2**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
	T115P1-C-SB-2	09/16/24	8 - 9	--	--	--	--	--	--	**6.9**	--	--	--	--	--	--	--	**250 J**	<50 U	<250 U
			13 - 14	--	--	--	--	--	--	**3.2**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
			28 - 29	--	--	--	--	--	--	**2.4**	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
	T115P1-C-SB-5	09/17/24	2.25 - 3.25	--	**4.6**	**0.22**	--	**31**	--	**7.2**	**0.055 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			7 - 8	--	**1.3**	<0.12 U	--	**13**	--	**2**	**0.021 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			18 - 20	--	**2.1**	<0.12 U	--	**9.3**	--	**2.6**	**0.076 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			18 - 20	--	**2.7**	<0.12 U	--	**12**	--	**2.2**	**0.031 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
	T115P1-C-SB-6	09/16/24	4 - 5	--	**4.1**	**0.32**	--	**36**	--	**16**	**0.069 J**	--	<0.2 UJ	<0.1 UJ	--	--	--	<20 U	<50 U	<250 U
			7 - 8	--	**3.1**	**0.19**	--	**28**	--	**4**	**0.043 J**	--	<0.2 UJ	<0.1 UJ	--	--	--	<20 U	<50 U	<250 U
			13 - 14	--	**7.5**	<0.12 U	--	**14**	--	**3.5**	**0.071 J**	--	**0.24**	<0.1 UJ	--	--	--	<20 U	<50 U	<250 U
	T115P1-C-SB-7	09/16/24	4 - 5	--	**3.3**	**0.14**	--	**18**	--	**10**	**0.053 J**	--	<0.2 UJ	<0.1 UJ	--	--	--	<20 U	<50 U	<250 U
			7.5 - 8.5	--	**3**	**0.17**	--	**22**	--	**5.2**	**0.039 J**	--	<0.2 UJ	<0.1 UJ	--	--	--	<20 U	<50 U	<250 U
			14 - 15	--	**5.6**	<0.12 UJ	--	**17**	--	**3.1**	**0.04 J**	--	<0.2 UJ	<0.1 UJ	--	--	--	<20 U	<50 U	<250 U
	T115P1-C-SB-9	08/08/24	2.5 - 3.5	--	**14**	**0.29**	--	**13**	--	**11**	**0.016 J**	--	<0.2 U	<0.1 UJ	--	--	--	<5 UJ	<10 U	<50 U
			8.5 - 9.5	--	**3.2**	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<10 U	<50 U
			11 - 12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**19 J**	**360**	**180**
			14 - 15	--	**4.6**	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<10 U	**59**
			19 - 20	--	**2.2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	T115P1-C-SB-10	08/09/24	3.5 - 5	--	**5.3**	**4.9**	--	--	--	**45**	--	--	--	--	--	--	--	<5 U	<10 U	<50 U
			8 - 10	--	**6.2**	**0.27**	--	--	--	**4.4**	--	--	--	--	--	--	--	**85**	**810**	<50 U
			11.5 - 13	--	**3.6**	**0.28**	--	--	--	**6.3**	--	--	--	--	--	--	--	**59**	**3,500 J**	**64 J**
			15 - 17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**12**	**1,500 J**	**59 J**
			21 - 22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**73**	<50 U
			8 - 10	--	**4.6**	**0.22**	--	--	--	**4.1**	--	--	--	--	--	--	--	**90**	**1,300 J**	<50 U
			15 - 17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**380**	**920 J**	<50 U
	T115P1-C-SB-11	08/08/24	4 - 5	--	**3.3**	<0.2 U	--	--	--	**3.1**	--	--	--	--	--	--	--	<5 UJ	<10 U	<50 U
			14.3 - 15	--	**5**	**0.21**	--	--	--	**6.1**	--	--	--	--	--	--	--	<5 UJ	**470**	**64**
			19 - 20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	**15**	<50 U
	T115P1-C-SB-12	08/07/24	1.5 - 2.5	--	**6.6**	**11**	--	--	--	**1,800**	--	--	--	--	--	--	--	--	**130**	**960**
			9 - 10	--	**3.4**	**0.21**	--	--	--	**4.6**	--	--	--	--	--	--	--	--	**410**	<50 U
			14 - 15	--	**5.1**	<0.12 U	--	--	--	**3.4**	--	--	--	--	--	--	--	--	**11**	**97**
	T115P1-C-SB-14	08/09/24	4 - 5	--	**13**	**54**	--	**190**	--	**2,200**	**0.065 J**	--	**2.3**	**34**	--	--	--	<5 U	**12**	**65**
			8.5 - 10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	**63**	**290**
			14 - 15	--	**9.4**	**9.1**	--	**190**	--	**590**	**0.047 J**	--	**6.7**	**26**	--	--	--	<5 U	<10 U	<50 U
			17.5 - 19	--	**2.7**	**0.18**	--	**10**	--	**4.8**	**0.023**	--	<0.2 U	<0.1 U	--	--	--	--	--	--
			24 - 25	--	**1.1**	<0.12 U	--	**8.2**	--	**2.4**	**0.012 J**	--	<0.2 U	<0.1 U	--	--	--	--	--	--
			17.5 - 19	--	**2.6**	<0.12 U	--	--	--	**6.6**	--	--	--	--	--	--	--	--	--	--
	T115P1-D-MW-1	09/24/24	4.5 - 5	--	**2.7**	**0.23**	--	**7**	--	**4.4**	**0.034**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			9 - 9.5	--	**3.5**	**0.29**	--	**19**	--	**32**	**0.048**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			14 - 15	--	**2.8**	<0.12 U	--	**17**	--	**4.3**	**0.046**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
	T115P1-D-MW-4	09/24/24	3.5 - 4	--	**1.8**	<0.12 U	--	**6.9**	--	**7.2**	**0.048**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			7.5 - 8	--	**6.9**	**0.62**	--	**15**	--	**14**	**0.17**	--	**0.23**	**0.22**	--	--	--	<20 U	<50 U	<250 U
			9.5 - 10	--	**3.1**	**0.16**	--	**8**	--	**4.5**	**0.2**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			7.5 - 8	--	**7.8**	**0.49**	--	**15**	--	**15**	**0.18**	--	<0.2 U	**0.24**	--	--	--	<20 U	<50 U	<250 U
	T115P1-D-MW-6	09/25/24	3 - 3.5	--	**6**	**0.19 J**	--	**30**	--	**27**	**0.083 J**	--	<0.2 UJ	<0.1 UJ	--	--	--	<5 U	<10 U	<50 U
			9 - 9.5	--	**3.1**	**0.14 J**	--	**29**	--	**3.6**	**0.051 J**	--	<0.2 UJ	<0.1 UJ	--	--	--	<5 U	<10 U	<50 U
			13.5 - 14	--	**7.1**	<0.12 UJ	--	**11**	--	**3.6**	**0.062 J**	--	**0.49 J**	<0.1 UJ	--	--	--	<5 U	<10 U	**160**
	T115P1-D-MW-7	09/23/24	4.5 - 5	--	**3.1**	**0.33**	--	**25**	--	**21**	**0.032 J**	--	<0.2 UJ	<0.2 U	--	--	--	<20 U	<50 U	<250 U
			8.5 - 9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<20 U	<50 U	<250 U
			14.5 - 15	--	**3.7**	**0.23**	--	**34**	--	**6.4**	**0.05 J**	--	<0.2 UJ	<0.2 U	--	--	--	<20 U	<50 U	<250 U
			16.5 - 17	--	**7**	**0.32**	--	**14**	--	**7.3**	**0.055 J**	--	<0.2 UJ	<0.2 U	--	--	--	--	--	--
	T115P1-D-MW-8	09/23/24	4.5 - 5	--	**100**	**2.4**	--	**13 J**	--	**790**	**0.024 J**	--	**2.1**	**1**	--	--	--	<20 U	<50 U	<250 U
			8.5 - 9	--	**90**	**2.3 J**	--	--	--	**690**	--	--	--	--	--	--	--	--	--	--
			14.5 - 15	--	**19**	**1.7**	--	**1,300 J**	--	**85**	**0.042 J**	--	**0.54**	**0.22**	--	--	--	<20 U	<50 U	<250 U
			18.5 - 19	--	**6.8**	**0.71**	--	**24 J**	--	**31**	**0.2 J**	--	**0.26**	**0.28**	--	--	--	<20 U	<50 U	<250 U
	T115P1-D-MW-9D	09/25/24	1.5 - 2	--	**18**	**1.1 J**	--	**35**	--	**210**	**0.44 J**	--	**0.49 J**	**1.1 J**	--	--	--	<5 U	**190**	**450**
			8.5 - 9	--	**190**	**3.1 J**	--	**11**	--	**1,700**	**0.035 J**	--	**1.9 J**	**1.5 J**	--	--	--	<10 U	<20 U	<100 U
			18 - 18.5	--	**94**	**3.2 J**	--	**11**	--	**640**	**0.037 J**	--	**4.2 J**	**0.8 J**	--	--	--	<10 U	<20 U	<100 U
			23 - 23.5	--	**21**	**1.3**	--	--	--	**34**	--	--	--	--	--	--	--	<5 U	**140**	**350**
			27 - 27.5	--	**10**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			34.5 - 35	--	**2.7**	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	<10 U	<50 U
			1.5 - 2	--	**15**	**1.5 J**	--	**28**	--	**140**	**0.51 J**	--	**0.39 J**	**1.2 J**	--	--	--	<5 U	**180**	**410**
	T115P1-D-SB-5	08/07/24	4 - 5	--	**5.3**	**0.21**	--	**25**	--	**6.1**	**0.057 J**	--	<0.2 U	<0.1 U	--	--	--	--	<10 U	<50 U
			9 - 10	--	**9.9**	**0.75**	--	**17**	--	**17**	**0.12 J**	--	<0.2 U	**0.31**	--	--	--	--	**49**	**140**
			18 - 19	--	**2**	<0.12 U	--	**9.5**	--	**2.2**	**0.065 J**	--	<0.2 U	<0.1 U	--	--	--	--	<10 U	<50 U
	T115P1-D-SB-6	08/01/24	4 - 5	--	**1.8**	**0.21**	--	**7.7**	--	**9.6**	**0.31 J**	--	<0.2 UJ	<0.1 U	--	--	--	<20 U	--	<250 U
			5.5 - 6.5	--	**4.3**	**0.27**	--	**22**	--	**13**	**0.087 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			10 - 11	--	**3.3**	<0.12 U	--	**10**	--	**4.7**	**0.47 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U

Table 1 - Soil Analytical Data

Asenic CSM Memorandum | Glacier Northwest, Inc. Site

				Metals														Total Petroleum Hydrocarbons (TPH)		
				Antimony	Arsenic	Cadmium	Chromium (hexavalent)	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Zinc	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Glacier Site-Specific Saturated Preliminary SL				5.2	7.3	0.77	0.031	260	36	81	0.07	48	0.78	0.61	0.0044	2,100,000	85	100	2,000	2,000
Glacier Site-Specific Unsaturated Preliminary SL				81	7.3	0.77	0.62	260	36	450	0.07	48	7.4	0.61	0.088	2,100,000	100	100	2,000	2,000
Site	Location	Date	Depth (ft bgs)																	
Terminal 115 Plant 1 Site	T115P1-D-SB-7	07/30/24	4 - 5	--	**2.1**	**0.19 J**	--	**7.6**	--	**7.5**	0.078	--	<0.2 UJ	<0.1 UJ	--	--	--	<20 U	--	<250 U
			8 - 9	--	7.4	**0.48 J**	--	**12**	--	**9.1**	0.21	--	**0.21 J**	<0.1 UJ	--	--	--	<20 U	--	<250 U
			11 - 12	--	9.2	0.77 J	--	**18**	--	**18**	0.26	--	<0.2 UJ	**0.39 J**	--	--	--	<20 U	--	<250 U
	T115P1-D-SB-8	07/30/24	3 - 4	--	210	2.4 J	--	**10**	--	1,400	**0.04**	--	**1.9 J**	1.3 J	--	--	--	<5 U	<10 U	<50 U
			8 - 9	--	87	1.8 J	--	**35**	--	410	**0.066**	--	**1.4 J**	0.77 J	--	--	--	--	<10 U	<50 U
			14 - 15	--	37	1.2 J	--	**56**	--	270	0.075	--	**0.71 J**	**0.45 J**	--	--	--	<5 U	**12**	<50 U
			17 - 18	--	70	--	--	--	--	550	--	--	--	--	--	--	--	--	--	--
			19.5 - 20	--	15	1.2 J	--	**74**	--	**73**	0.27	--	**0.59 J**	0.71 J	--	--	--	<25 U	**47**	**120**
	T115P1-D-SB-9	07/30/24	3 - 4	--	17	1.3 J	--	**9.3**	--	130	**0.037**	--	1.6 J	**0.38 J**	--	--	--	<5 U	<10 U	<50 U
			5.5 - 6.5	--	140	2.9 J	--	**11**	--	660	**0.033**	--	2.2 J	1.1 J	--	--	--	<5 U	<20 U	<100 U
			13 - 14	--	67	1.8 J	--	**67**	--	400	**0.06**	--	1 J	0.68 J	--	--	--	<5 U	<10 U	<50 U
			18 - 19	--	81	--	--	--	--	660	--	--	--	--	--	--	--	--	--	--
			21.5 - 22.5	--	14	1.1 J	--	**28**	--	**41**	0.28	--	**0.56 J**	**0.59 J**	--	--	--	<25 U	**51**	**140**
	T115P1-D-SB-10	07/29/24	4.5 - 6	--	14	**0.65**	--	**81**	--	100	**0.056**	--	**0.33**	<0.2 U	--	--	--	<5 U	<5 U	**57**
			7 - 8	--	25	1	--	**110**	--	240	0.074	--	**0.46**	**0.32**	--	--	--	<5 U	<5 U	<25 U
			18 - 19	--	20	1.2	--	**62**	--	240	0.1	--	**0.42**	**0.55**	--	--	--	<5 U	**13**	**38**
	T115P1-D-SB-11	07/29/24	4 - 5	--	**7.2**	**0.63**	--	**38**	--	**55**	**0.034**	--	**0.22**	<0.2 U	--	--	--	<5 U	<5 U	<25 U
			8 - 9	--	**3.5**	**0.31**	--	**42**	--	**24**	**0.051**	--	<0.2 U	<0.2 U	--	--	--	<5 U	**7.6**	<25 U
			11 - 12	--	**5**	**0.48**	--	470	--	**31**	**0.057**	--	**0.25**	<0.2 U	--	--	--	<5 U	**7.6**	**54**
			16 - 17	--	**5.6**	<0.2 U	--	**8.4**	--	**3**	**0.02**	--	**0.33**	<0.2 U	--	--	--	--	--	--
	T115P1-D-SB-12	07/29/24	3.5 - 5	--	15	1.1	--	--	--	98	--	--	--	--	--	--	--	<5 U	**34**	**100**
			7 - 8.5	--	13	**0.5**	--	--	--	83	--	--	--	--	--	--	--	<5 U	<5 U	<25 U
			11.5 - 13	--	**2.9**	**0.15**	--	--	--	**5.5**	--	--	--	--	--	--	--	<5 U	<5 U	<25 U
			17 - 18.5	--	**6.9**	**0.16**	--	--	--	**3.4**	--	--	--	--	--	--	--	--	--	--
	T115P1-D-SB-13	08/01/24	8.5 - 10	--	**3.3**	**0.17**	--	**16**	--	**16**	**0.057 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			13 - 14	--	**3.9**	**0.16**	--	**15**	--	**27**	**0.043 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			18 - 19	--	**3.7**	**0.23**	--	**14**	--	**28**	**0.05 J**	--	<0.2 UJ	<0.1 U	--	--	--	<20 U	--	<250 U
			19 - 20	--	11	1	--	**24**	--	**26**	0.31 J	--	<0.2 UJ	0.7	--	--	--	<20 U	--	<250 U
			23.5 - 24.5	--	8.5	**0.55**	--	**18**	--	**18**	0.17 J	--	<0.2 UJ	**0.39**	--	--	--	<20 U	--	<250 U
	T115P1-D-SB-14	08/01/24	9 - 10	--	**4.6**	**0.25**	--	--	--	**20**	--	--	--	--	--	--	--	<20 U	--	<250 U
			15.5 - 16.5	--	**4.6**	**0.33**	--	--	--	**25**	--	--	--	--	--	--	--	<20 U	--	<250 U
			19 - 20	--	7.5	**0.52**	--	--	--	**15**	--	--	--	--	--	--	--	--	--	--
	T115P1-D-SB-15	08/07/24	2.5 - 4	--	12	0.83	--	**18**	--	**38**	**0.053 J**	--	**0.68**	**0.18**	--	--	--	<20 U	--	<250 U
			7 - 8	--	**3.7**	**0.43**	--	**44**	--	**42**	**0.059 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			14 - 15	--	**2.9**	**0.14**	--	**22**	--	**9.7**	**0.032 J**	--	<0.2 U	<0.1 U	--	--	--	--	--	--
			22.5 - 24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<20 U	--	<250 U
	T115P1-D-SB-16	08/07/24	3 - 4	--	68	0.96	--	**52**	--	93	**0.063 J**	--	**0.41**	**0.15**	--	--	--	<20 U	**95**	**410**
			12 - 13	--	**5.9**	**0.6**	--	**64**	--	**62**	**0.059 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			18 - 19	--	**3.1**	**0.23**	--	**10**	--	**9.5**	**0.044 J**	--	<0.2 U	<0.1 U	--	--	--	--	--	--
			20.5 - 21.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<20 U	--	<250 U
	T115P1-D-SB-17	08/01/24	8 - 9	--	180	4.2	--	**21**	--	1,300	**0.052 J**	--	2.9	1.8	--	--	--	<20 U	--	<250 U
			12 - 13	--	**6.7**	0.83	--	590	--	**50**	**0.069 J**	--	**0.27 J**	**0.14**	--	--	--	<20 U	--	<250 U
			16 - 17	--	**6.1**	**0.32**	--	**28**	--	**30**	**0.04 J**	--	<0.2 UJ	<0.1 U	--	--	--	<20 U	--	<250 U
	T115P1-D-SB-18	07/30/24	3 - 4	--	160	2.6 J	--	**14**	--	870	**0.039**	--	2 J	1.2 J	--	--	--	--	--	--
			8 - 9	--	230	3.8 J	--	**12**	--	1,600	**0.022**	--	2.7 J	1.8 J	--	--	--	--	--	--
			12 - 13	--	200	2.5 J	--	**15**	--	1,000	**0.05**	--	2 J	1.4 J	--	--	--	--	--	--
			19 - 20	--	**5.6**	1 J	--	**18**	--	**18**	0.16	--	**0.84 J**	**0.39 J**	--	--	--	--	--	--
	T115P1-D-SB-19	08/09/24	8 - 9	--	**3.5**	**0.19**	--	**43**	--	**6**	**0.066 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			14 - 15	--	**4.9**	**0.16**	--	**39**	--	**3.8**	**0.046 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			18 - 19	--	**4**	**0.21**	--	**17**	--	**2.2**	**0.03 J**	--	**0.2**	<0.1 U	--	--	--	<20 U	--	<250 U
			8 - 9	--	**3.9**	**0.25**	--	**42**	--	**7.1**	**0.064 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
	T115P1-D-SB-20	08/09/24	3 - 4	--	**6.1**	**0.22**	--	**15**	--	**20**	**0.044 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			7 - 8	--	**3.6**	**0.29**	--	**16**	--	**5.6**	**0.043 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			11 - 13	--	**3.2**	**0.23**	--	**14**	--	**5**	0.089 J	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			18 - 20	--	9.4	**0.64**	--	**19**	--	**18**	0.17 J	--	**0.21**	**0.31**	--	--	--	<20 U	**120**	**200**
			11 - 13	--	**2.7**	**0.2**	--	**13**	--	**4.2**	**0.028 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
	T115P1-D-SB-21	07/29/24	3 - 4	--	**5.6**	**0.38**	--	**24**	--	**62**	0.083	--	<0.2 U	<0.2 U	--	--	--	<20 U	--	<250 U
			6 - 7.5	--	**4**	**0.26**	--	**30**	--	**5.2**	**0.062**	--	<0.2 U	1.1	--	--	--	<20 U	--	<250 U
			12 - 13.5	--	**3**	**0.25**	--	**33**	--	**4.8**	**0.067**	--	<0.2 U	2.9	--	--	--	<20 U	--	<250 U
	T115P1-D-SB-22	08/06/24	8.5 - 10	--	14	**0.55**	--	**34**	--	94	0.071	--	**0.27 J**	**0.22**	--	--	--	**80**	**560**	**660**
			12 - 13	--	**0.44**	**0.27**	--	**2.9**	--	**13**	0.11	--	**0.27 J**	<0.1 U	--	--	--	<20 U	--	<250 U
			18 - 19	--	7.3	**0.37**	--	**46**	--	**8**	0.074	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
	T115P1-D-SB-23	08/08/24	3 - 4	--	**3.4**	**0.31**	--	**12**	--	**19**	0.18	--	<0.2 U	**0.14**	--	--	--	<20 U	--	<250 U
			6 - 7	--	**1.8**	<0.12 U	--	**5.6**	--	**1.3**	<0.01 U	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			12 - 13	--	**2.5**	<0.12 U	--	**9.3**	--	**2.5**	**0.016**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
	T115P1-D-SB-24	08/02/24	3 - 4	--	**2.1**	<0.12 U	--	**6.3**	--	**1.6**	**0.057 J**	--	<0.2 U	<0.1 UJ	--	--	--	<20 U	--	<250 U
			8 - 9	--	**1.1**	<0.12 U	--	**6.7**	--	**1.4**	**0.018 J**	--	<0.2 U	<0.1 UJ	--	--	--	<20 U	--	<250 U
			11 - 12	--	**1**	<0.12 U	--	**5.3**	--	**1**	**0.015 J**	--	<0.2 U	<0.1 UJ	--	--	--	<20 U	--	<250 U
			20 - 21.5	--	**5.9**	**0.33**	--	**18**	--	**13**	0.075 J	--	<0.2 U	**0.4**	--	--	--	<20 U	--	<250 U
			22 - 23	--	**6.9**	**0.28**	--	**43**	--	**9**	0.11 J	--	<0.2 U	<0.1 UJ	--	--	--	<20 U	--	<250 U
	T115P1-D-SB-25	08/02/24	3 - 4	--	17	1.3	--	**32**	--	**34**	0.4 J	--	**0.34**	0.98	--	--	--	<20 U	--	<250 U
			13.5 - 14.5	--	7.5	**0.16**	--	**13**	--	**3.8**	**0.049 J**	--	**0.25**	<0.1 U	--	--	--	<20 U	--	<250 U
			18 - 19	--	**2.3**	<0.12 U	--	**11**	--	**1.7**	**0.027 J**	--	<0.2 U	<0.1 UJ	--	--	--	<20 U	--	<250 U
	T115P1-D-SB-26	08/02/24	6 - 7	--	**4.8**	**0.17**	--	**17**	--	**10**	**0.058 J**	--	<0.2 U	<0.1 UJ	--	--	--	<20 U	--	<250 U
			7.5 - 8.5	--	**5.6**	**0.27**	--	**13**	--	**7.5**	0.088 J	--	<0.2 U	<0.1 UJ	--	--	--	<20 U	--	<250 U
			13 - 14	--	**4.3**	**0.19**	--	**10**	--	**6.3**	**0.054 J**	--	<0.2 U	<0.1 UJ	--	--	--	<20 U	--	<250 U
	T115P1-D-SB-27	09/23/24	7 - 8.5	--	**2.3**	<0.12 UJ	--	**13 J**	--	**3.6**	**0.027 J**	--	<0.2 UJ	<0.1 U	--	--	--	990	**1,000**	<50 U
			10 - 11	--	**4.2**	<0.12 UJ	--	**14 J**	--	**6.9**	0.073 J	--	<0.2 UJ	<0.1 U	--	--	--	**65**	**500**	**110**
			18 - 19	--	**1**	<0.12 UJ	--	**7.9 J**	--	**1.3**	**0.017 J**	--	<0.2 UJ	<0.1 U	--	--	--	<5 U	<10 U	<50 U

Table 1 - Soil Analytical Data

Asenic CSM Memorandum | Glacier Northwest, Inc. Site

				Metals														Total Petroleum Hydrocarbons (TPH)		
				Antimony	Arsenic	Cadmium	Chromium (hexavalent)	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Zinc	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Glacier Site-Specific Saturated Preliminary SL				5.2	7.3	0.77	0.031	260	36	81	0.07	48	0.78	0.61	0.0044	2,100,000	85	100	2,000	2,000
Glacier Site-Specific Unsaturated Preliminary SL				81	7.3	0.77	0.62	260	36	450	0.07	48	7.4	0.61	0.088	2,100,000	100	100	2,000	2,000
Site	Location	Date	Depth (ft bgs)																	
Terminal 115 Plant 1 Site	T115P1-D-SB-28	09/23/24	4 - 5	--	**1.1**	<0.12 UJ	--	**7.4 J**	--	**2.3**	**0.013 J**	--	<0.2 UJ	<0.1 U	--	--	--	<5 U	**15**	<50 U
			8 - 9	--	**12**	**0.96 J**	--	**21 J**	--	**22**	**0.31 J**	--	**0.25 J**	**0.42**	--	--	--	<5 U	**37**	**100**
			18 - 19	--	**1.8**	<0.12 UJ	--	**8.5 J**	--	**2.4**	**0.044 J**	--	<0.2 UJ	<0.1 U	--	--	--	<5 U	<10 U	<50 U
	T115P1-D-SB-29	09/23/24	4 - 5	--	**2.9**	<0.12 UJ	--	**8.7 J**	--	**7.5**	**0.11 J**	--	<0.2 UJ	<0.1 U	--	--	--	<5 U	<10 U	<50 U
			8 - 9	--	**10**	**0.64 J**	--	**19 J**	--	**18**	**0.23 J**	--	**0.25 J**	**0.31**	--	--	--	<5 U	**21**	**69**
			17 - 18	--	**1**	<0.12 UJ	--	**8.7 J**	--	**1.3**	**0.021 J**	--	<0.2 UJ	<0.1 U	--	--	--	<5 U	<10 U	<50 U
	T115P1-D-SB-30	09/23/24	4 - 5	--	**3.1**	<0.12 UJ	--	**9.4 J**	--	**4.7**	**0.06 J**	--	<0.2 UJ	<0.1 U	--	--	--	<5 U	<10 U	<50 U
			7 - 9	--	**11**	**0.7 J**	--	**20 J**	--	**22**	**0.26 J**	--	**0.22 J**	**0.44**	--	--	--	<5 U	**33**	**95**
			13 - 14	--	**1.5**	<0.12 UJ	--	**7.9 J**	--	**1.6**	**0.024 J**	--	<0.2 UJ	<0.1 U	--	--	--	<5 U	<10 U	<50 U
	T115P1-D-SB-31	09/20/24	4 - 5	--	**1.9**	<0.12 U	--	**8.4**	--	**5.4**	**0.046 J**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	<50 U
			8.5 - 10	--	**8.5**	**5.6**	--	**150**	--	**430**	**0.11 J**	--	**1.6**	**2.5**	--	--	--	<5 U	**78**	**190**
			12 - 14	--	**2.4**	**2.1**	--	**78**	--	**160**	**0.039 J**	--	**1.1**	**1.1**	--	--	--	<5 U	**29**	**56**
			22 - 23	--	--	**0.23**	--	--	--	**8.1**	--	--	--	--	--	--	--	--	--	--
			27 - 28	--	--	<0.12 U	--	--	--	**2.8**	--	--	--	--	--	--	--	--	--	--
			12 - 14	--	**1.9**	**1.4**	--	**47**	--	**79**	**0.039 J**	--	**0.39**	**0.63**	--	--	--	<5 U	**30**	**55**
	T115P1-D-SB-32	09/20/24	3 - 4	--	**1.7**	<0.12 U	--	**6.4**	--	**2.1**	**0.04 J**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	<50 U
			7 - 8	--	**1.4**	<0.12 U	--	**6.5**	--	**2.7**	**0.035 J**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	<50 U
			12 - 13	--	**3.4**	**0.21**	--	**24**	--	**21**	**0.057 J**	--	<0.2 U	<0.1 U	--	--	--	<5 U	**33**	**110**
			16.25 - 17.75	--	**13**	**0.33**	--	**14**	--	**16**	**0.061 J**	--	<0.2 U	<0.1 U	--	--	--	**13**	**350**	**250**
	T115P1-D-SB-33	09/20/24	4 - 5	--	**4.2**	**0.86**	--	**28**	--	**27**	**0.081 J**	--	<0.2 U	**0.18**	--	--	--	<5 U	**20**	**56**
			8 - 10	--	**1.7**	**0.15**	--	**12**	--	**3.6**	**0.036 J**	--	<0.2 U	<0.1 U	--	--	--	<5 U	<10 U	<50 U
			17 - 18	--	**7**	**0.93**	--	**75**	--	**17**	**0.13 J**	--	**0.24**	**0.16**	--	--	--	<5 U	**43**	**120**
	T115P1-D-SBMW-2	08/23/24	3 - 4	--	**2.4**	**0.18**	--	**12**	--	**17**	**0.03 J**	--	<0.2 U	<0.1 U	--	--	--	--	<10 U	<50 U
			7 - 8	--	**3.1**	**0.34**	--	**22**	--	**20**	**0.065 J**	--	<0.2 U	<0.1 U	--	--	--	--	<10 U	**89**
			10 - 11	--	**4.5**	**1.4**	--	**1,300**	--	**45**	**0.057 J**	--	**0.33**	**0.64**	--	--	--	--	**43**	**91**
			13.5 - 14.5	--	**8.4**	**17**	--	**140**	--	**1,200**	**0.11 J**	--	<2.5 U	**7.1**	--	--	--	--	**4,300**	**11,000**
			20 - 25	--	**11**	**6.2**	--	**120**	--	**380**	**0.078 J**	--	**1.9**	**2.7**	--	--	--	--	**660**	**1,700**
	T115P1-E-MW-1	10/02/24	2 - 3	--	**1.6 J**	<0.12 U	--	**12 J**	**8.6**	**1.9**	**0.025 J**	--	--	<0.1 U	--	--	**15 J**	<20 U	<50 U	<250 U
			8 - 9	--	**1.9 J**	<0.12 U	--	**13 J**	**9.9**	**2.1**	**0.034 J**	--	--	<0.1 U	--	--	**17 J**	<20 U	<50 U	<250 U
			11 - 12	--	**5.5 J**	**0.34 J**	--	**14 J**	**17**	**2.4**	**0.11 J**	--	--	**0.22 J**	--	--	**29 J**	<20 U	<50 U	<250 U
	T115P1-E-MW-2	10/03/24	3 - 4	--	**2.4**	<0.12 U	--	**18**	--	**2.5**	**0.054 J**	--	**0.15 J**	<0.1 U	--	--	--	<5 U	<10 U	<50 U
			7 - 8	--	**2.4**	<0.12 U	--	**21**	--	**2.3**	**0.053 J**	--	**0.23**	<0.1 U	--	--	--	<5 U	<10 U	<50 U
			13 - 13.5	--	**2.1**	<0.12 U	--	**14**	--	**2**	**0.038 J**	--	<0.14 UJ	<0.1 U	--	--	--	<5 U	<10 U	<50 U
	T115P1-E-MW-4	10/01/24	3 - 4	--	--	--	--	--	--	**6.1**	--	--	--	--	--	--	--	<5 U	<100 U	**290**
			9 - 10	--	--	--	--	--	--	**5.9**	--	--	--	--	--	--	--	<5 U	<10 U	**87**
			14.5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	<10 U	**76**
	T115P1-E-MW-5D	09/26/24	8 - 8.5	--	**7.1**	**0.25**	--	**11 J**	**11**	**41**	**0.028**	--	--	<0.1 U	--	--	**43**	<20 U	<50 U	<250 U
			18 - 19	--	**3.5**	**0.16**	--	**14 J**	**11**	**8.9**	**0.038**	--	--	<0.1 U	--	--	**24**	<20 U	<50 U	<250 U
			33 - 34	--	**1.9**	<0.12 U	--	**12 J**	**6.9**	**1.3**	**0.022**	--	--	<0.1 U	--	--	**15**	<20 U	<50 U	<250 U
			39 - 40	--	**1.9**	**0.15**	--	**14 J**	**8.6**	**7.2**	**0.029**	--	--	<0.1 U	--	--	**20**	<20 U	<50 U	<250 U
	T115P1-E-MW-6	09/27/24	3 - 4	--	**2.1**	**0.14**	--	**15 J**	**12**	**1.9**	**0.029**	--	--	<0.1 U	--	--	**20**	<20 U	<50 U	<250 U
			13.5 - 14.5	--	**4**	**0.16**	--	**13 J**	**11**	**25**	**0.029**	--	--	<0.1 U	--	--	**33**	<20 U	<50 U	<250 U
			17 - 17.5	--	**3.8**	<0.12 U	--	**13 J**	**10**	**3.2**	**0.09**	--	--	<0.1 U	--	--	**17**	<20 U	<50 U	<250 U
			3 - 4	--	**1.9**	**0.15**	--	**15 J**	**12**	**1.8**	**0.025**	--	--	<0.1 U	--	--	**20**	<20 U	<50 U	<250 U
	T115P1-E-MW-7	09/26/24	3.5 - 4	--	**1.8**	<0.12 U	--	**16 J**	**10**	**1.7**	**0.027**	--	--	<0.1 U	--	--	**19**	<20 U	<50 U	<250 U
			9 - 9.5	--	**1.8**	**0.23**	--	**15 J**	**9.5**	**1.7**	**0.05**	--	--	<0.1 U	--	--	**19**	<20 U	<50 U	<250 U
			14 - 14.5	--	**1.7**	**0.17**	--	**15 J**	**8.9**	**2**	**0.025**	--	--	<0.1 U	--	--	**17**	<20 U	<50 U	<250 U
			9 - 9.5	--	**1.9**	**0.18**	--	**17 J**	**11**	**1.8**	**0.027**	--	--	<0.1 U	--	--	**21**	<20 U	<50 U	<250 U
	T115P1-E-MW-9D	10/02/24	3 - 4	--	**1.9 J**	<0.12 U	--	**14 J**	**8.8**	**1.8**	**0.031 J**	--	--	<0.1 U	--	--	**18 J**	<20 U	<50 U	<250 U
			3 - 4	**0.2**	**2.2**	**0.081**	--	**27**	**12**	**1.9**	**0.014 J**	**36 J**	**0.071 J**	**0.029 J**	--	--	**27**	<3.2 U	<12 U	<17 U
			11 - 12	--	**2.4 J**	**0.14 J**	--	**19 J**	**18**	**6**	**0.033 J**	--	--	<0.1 U	--	--	**25 J**	<20 U	<50 U	<250 U
			11 - 12	**0.49**	**4**	**0.065 J**	--	**30**	**25**	**5**	**0.016 J**	**39**	**0.087 J**	**0.042 J**	--	--	**34**	<3.2 U	<13 U	**56**
			18 - 19	--	**0.87 J**	<0.12 U	--	**12 J**	**9.8**	**2.1**	**0.082 J**	--	--	<0.1 U	--	--	**16 J**	<20 U	<50 U	<250 U
			18 - 19	**0.17 J**	**2.1**	**0.067 J**	--	**25**	**15**	**2.3**	**0.016 J**	**38**	**0.081 J**	**0.07 J**	--	--	**31**	<4.6 U	<14 U	<20 U
			32 - 33	--	**1.2 J**	<0.12 U	--	**14 J**	**8.8**	**1.5**	**0.026 J**	--	--	<0.1 U	--	--	**16 J**	<20 U	<50 U	<250 U
			32 - 33	**0.16 J**	**2.5**	**0.063 J**	--	**26**	**13**	**1.7**	**0.011 J**	**34**	**0.038 J**	**0.025 J**	--	--	**30**	<5.3 U	<15 U	<21 U
			18 - 19	--	**0.97 J**	<0.12 U	--	**13 J**	**8.7**	**1.6**	**0.034 J**	--	--	<0.1 U	--	--	**14 J**	<20 U	<50 U	<250 U
	T115P1-E-MW-10	09/23/24	7 - 7.5	--	**1.1**	<0.12 U	--	**5.7 J**	--	**5.7**	**0.022 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			14.5 - 15	--	**3.2**	<0.12 U	--	**7.5 J**	--	**56**	**0.062 J**	--	<0.2 U	<0.1 U	--	--	--	<20 U	<50 U	<250 U
			16.75 - 17	--	**5.9 J**	**0.57**	--	**16 J**	--	**25**	**0.19 J**	--	<0.2 U	**0.39**	--	--	--	<20 U	<50 U	<250 U
	T115P1-E-SB-2	07/31/24	4 - 5	--	--	--	--	--	--	**19**	--	--	--	--	--	--	--	<5 U	**15**	<50 U
			8 - 9	--	--	--	--	--	--	**36**	--	--	--	--	--	--	--	<5 U	**80**	**220**
			14 - 15	--	--	--	--	--	--	**0.83**	--	--	--	--	--	--	--	<5 U	<10 U	<50 U
	T115P1-E-SB-4	08/08/24	3 - 4	--	**3.2**	<0.12 U	--	**13**	--	**2**	**0.025**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			8 - 9	--	**1.6**	<0.12 U	--	**13**	--	**1.6**	**0.011**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			10.5 - 11.5	--	**2.1**	<0.12 U	--	**28**	--	**2.1**	**0.012**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
	T115P1-E-SB-5	07/31/24	3.5 - 4.5	--	**2.4**	<0.12 U	--	**13**	--	**2.2**	**0.027**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			8.5 - 9.5	--	**2.5**	**0.16**	--	**8.7**	--	**4.2**	**0.038**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			14 - 15	--	**5.8**	**0.45**	--	**14**	--	**16**	**0.13**	--	<0.2 U	**0.33**	--	--	--	<20 U	--	<250 U
	T115P1-E-SB-6	08/08/24	7 - 8	--	**8.6**	**0.47**	--	**16**	--	**17**	**0.17**	--	<0.2 U	**0.34**	--	--	--	<20 U	--	<250 U
			12.5 - 14	--	**5**	<0.12 U	--	**9.7**	--	**9.5**	**0.063**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			19 - 20	--	**0.34**	<0.12 U	--	**9**	--	**0.8**	<0.01 U	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
	T115P1-E-SB-7	08/08/24	8.5 - 9.5	--	**29**	**1**	--	**22**	--	**150**	**0.26**	--	**0.49**	**0.8**	--	--	--	<20 U	--	<250 U
			13 - 14	--	**3.8**	<0.12 U	--	**10**	--	**2.8**	**0.027**	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U
			18 - 19	--	**1.1**	<0.12 U	--	**10**	--	**1.1**	<0.01 U	--	<0.2 U	<0.1 U	--	--	--	<20 U	--	<250 U

Table 1 - Soil Analytical Data

Asenic CSM Memorandum | Glacier Northwest, Inc. Site

				Metals														Total Petroleum Hydrocarbons (TPH)		
				Antimony	Arsenic	Cadmium	Chromium (hexavalent)	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Zinc	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Glacier Site-Specific Saturated Preliminary SL				5.2	7.3	0.77	0.031	260	36	81	0.07	48	0.78	0.61	0.0044	2,100,000	85	100	2,000	2,000
Glacier Site-Specific Unsaturated Preliminary SL				81	7.3	0.77	0.62	260	36	450	0.07	48	7.4	0.61	0.088	2,100,000	100	100	2,000	2,000
Site	Location	Date	Depth (ft bgs)																	
Glacier Northwest, Inc. Site	AB-01	02/13/24	9 - 9	--	**1.7**	<1 U	--	**7.8**	--	**1.2**	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	<250 U
			10.5 - 10.5	--	**5.7**	<1 U	--	**12**	--	**2.9**	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	<250 U
	AB-02	02/12/24	11.5 - 11.5	--	**7.8**	<1 U	--	**13**	--	**3.6**	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	<250 U
	AB-03	02/12/24	7.5 - 7.5	--	<1 U	<1 U	--	**6.9**	--	<1 U	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	<250 U
			8.5 - 8.5	--	**6.4**	<1 U	--	**10**	--	**5.7**	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	<250 U
	AB-04	02/12/24	7.5 - 7.5	--	<1 U	<1 U	--	**6.4**	--	<1 U	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	<250 U
			8.5 - 8.5	--	**11**	<1 U	--	**11**	--	**13**	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	<250 U
	AB-05	02/13/24	8 - 8	--	**1.5**	<1 U	--	**7.4**	--	<1 U	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	<250 U
			9 - 9	--	**7.6**	<1 U	--	**12**	--	**3.7**	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	<250 U
	AB-06	02/12/24	8 - 8	--	**1.6**	<1 U	--	**8.7**	--	<1 U	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	<250 U
			9 - 9	--	**3.7**	<1 U	--	**9.5**	--	**4.9**	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	**400**
	AB-07	02/12/24	8 - 8	--	**3.1**	<1 U	--	**7.1**	--	<1 U	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	<250 U
			9 - 9	--	**6.8**	<1 U	--	**12**	--	**3.9**	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	<250 U
	AB-08	02/12/24	5 - 5	--	**1.7**	<1 U	--	**51**	--	**2.9**	<1 U	--	<1 U	<1 U	--	--	--	**30**	**190 X**	<250 U
			10 - 10	--	**5.5**	<1 U	--	**13**	--	**4.3**	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	<250 U
	AB-09	02/15/24	7.5 - 7.5	--	**2.8**	<1 U	--	**13**	--	**2.7**	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	<250 U
			10 - 10	--	**8.8**	<1 U	--	**13**	--	**4.2**	<1 U	--	<1 U	<1 U	--	--	--	<5 U	<50 U	<250 U
	B-1	05/17/90	0 - 20	--	<0.5 U	<1 U	--	**21**	--	<10 U	**0.26**	--	<0.5 U	<2 U	--	--	--	--	--	--
	B-2	05/17/90	0 - 15	--	**79**	<1 U	--	**24**	--	<10 U	**0.22**	--	<0.5 U	<2 U	--	--	--	--	--	--
	B-3	05/17/90	0 - 15	--	**150**	<1 U	--	**22**	--	<10 U	<0.15 U	--	<0.5 U	<2 U	--	--	--	--	--	--
	GP-1	12/04/95	3 - 4	--	<5.5 U	--	--	--	--	--	--	--	--	<2.2 U	--	--	--	--	--	--
			11 - 12	--	<6.5 U	--	--	--	--	--	--	--	--	<2.6 U	--	--	--	--	--	--
	GP-2	12/04/95	3 - 4	--	<5.5 U	--	--	--	--	--	--	--	--	<2.2 U	--	--	--	--	--	--
		12/05/95	13 - 14	--	**11**	--	--	--	--	--	--	--	--	<3.1 U	--	--	--	--	--	--
	GP-3	12/04/95	3 - 4	--	**13**	--	--	--	--	--	--	--	--	<2.4 U	--	--	--	--	--	--
			7 - 8	--	<6.2 U	--	--	--	--	--	--	--	--	<2.5 U	--	--	--	--	--	--
			3 - 4	--	<5.1 U	--	--	--	--	--	--	--	--	<2 U	--	--	--	--	--	--
	GP-4	12/04/95	3 - 4	--	<5 U	--	--	--	--	--	--	--	--	<2 U	--	--	--	--	--	--
	GP-5	12/04/95	3 - 4	--	<5.9 U	--	--	--	--	--	--	--	--	<2.3 U	--	--	--	--	--	--
			7 - 8	--	<5.7 U	--	--	--	--	--	--	--	--	<2.3 U	--	--	--	--	--	--
			11 - 12	--	**10**	--	--	--	--	--	--	--	--	<3.2 U	--	--	--	--	--	--
	GP-6	12/04/95	3 - 4	--	<5.7 U	--	--	--	--	--	--	--	--	<2.3 U	--	--	--	--	--	--
	GP-7	12/04/95	7 - 8	--	**15**	--	--	--	--	--	--	--	--	<2.6 U	--	--	--	--	--	--
			7 - 8	--	**15**	--	--	--	--	--	--	--	--	<2.5 U	--	--	--	--	--	--
			9 - 10	--	**8.7**	--	--	--	--	--	--	--	--	<2.2 U	--	--	--	--	--	--
			15 - 16	--	**85**	--	--	--	--	--	--	--	--	<3.2 U	--	--	--	--	--	--
	GP-9	12/05/95	11 - 12	--	**1,100**	--	--	--	--	--	--	--	--	<2.9 U	--	--	--	--	--	--
	GP-10	03/26/96	7 - 9	--	**320**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-11	03/26/96	7 - 9	--	**99**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-12	03/26/96	7 - 9	--	**140**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-13	03/26/96	7 - 9	--	**120**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-14	03/26/96	7 - 9	--	**28**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-15	03/26/96	7 - 9	--	**140**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-16	03/26/96	7 - 9	--	**66**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-18	03/26/96	7 - 9	--	<21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-19	03/26/96	7 - 9	--	**93**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-20	03/26/96	7 - 9	--	**60**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-21	03/26/96	7 - 9	--	<21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-22	03/26/96	7 - 9	--	<21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-23	03/26/96	7 - 9	--	<24 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-24	03/26/96	7 - 9	--	<22 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-25	03/26/96	7 - 9	--	<21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-26	09/07/12	3.1 - 3.5	--	**10.1**	--	<0.469 U	**18.9**	**35.8**	--	--	--	--	<0.3 U	--	--	**37**	--	--	--
			4 - 5.1	--	**1.1**	--	<0.517 U	**11.1**	**8.6**	--	--	--	--	<0.4 U	--	--	**19**	--	--	--
		10/10/12	5.1 - 7.1	<0.2 UJ	**1.7**	<0.1 U	**0.505**	**10.3**	**10.4 J**	**1.2**	<0.02 U	**8**	<0.6 U	<0.4 U	<0.2 U	--	**21**	--	--	--
			9.1 - 10.3	<0.3 UJ	**3.4**	<0.1 U	**0.978**	**13.6**	**21.9 J**	**2.8**	<0.03 U	**10**	<0.7 U	<0.4 U	<0.3 U	--	**28**	--	--	--
	GP-27	09/07/12	0 - 2	--	**34.4**	--	--	**27.6**	**107**	--	--	--	--	<0.3 U	--	--	**72**	--	**15**	**100**
			2.3 - 4.3	--	**5.8**	--	--	**14.8**	**19.3**	--	--	--	--	<0.4 U	--	--	**41**	--	**9.6**	**29**
		10/11/12	4.3 - 6.3	<0.2 UJ	**1.5**	<0.1 U	--	**11.2**	**9.3**	**1.3**	<0.02 U	**8**	<0.6 U	<0.4 U	<0.2 U	--	**21**	--	<5.9 U	<12 U
			5.3 - 5.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<4.8 U	--	--
			6.3 - 8.3	<0.3 UJ	**1.4**	<0.1 U	--	**9.5**	**9**	**1.6**	<0.03 U	**7**	<0.6 U	<0.4 U	<0.3 U	--	**19**	--	<6 U	<12 U
			7.3 - 7.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	--	--
	GP-28	09/07/12	0 - 2	--	**16.3**	--	--	**22.1**	**79.4**	--	--	--	--	<0.3 U	--	--	**55**	--	**44**	**270**
			2 - 4	--	**4**	--	--	**18.6**	**27.9**	--	--	--	--	<0.3 U	--	--	**41**	--	**14**	**36**
		10/11/12	4.1 - 6.1	<0.2 UJ	**1.9**	<0.1 U	--	**11.2**	**10.1**	**1.5**	<0.03 U	**7**	<0.6 U	<0.4 U	<0.2 U	--	**20**	--	<5.6 U	<11 U
			6.1 - 8.3	<0.2 UJ	**1.9**	<0.1 U	--	**11.2**	**13.2**	**1.6**	<0.03 U	**9**	<0.6 U	<0.4 U	<0.2 U	--	**22**	--	<6.4 U	<13 U
	GP-29	10/09/12	2.9 - 4.9	<0.2 UJ	**2 J**	<0.1 U	--	**11.8**	**74.2 J**	**1.5**	<0.02 U	**9**	<0.5 U	<0.3 U	<0.2 U	--	**24**	--	<5 U	<10 U
			4.9 - 6.9	<0.2 UJ	**1.4 J**	<0.1 U	--	**10**	**7.6 J**	**1**	<0.02 U	**6**	<0.6 U	<0.4 U	<0.2 U	--	**18**	--	<5.7 U	<11 U
			6.9 - 8.9	<0.2 UJ	**1.8 J**	<0.1 U	--	**19.2**	**21.5 J**	**1.2**	<0.02 U	**19**	<0.6 U	<0.3 U	<0.2 U	--	**25**	--	<5.4 U	<11 U
			8.9 - 11.2	<0.2 UJ	**2.3 J**	<0.1 U	--	**9.2**	**8.1 J**	**1.7**	<0.02 U	**6**	<0.6 U	<0.3 U	<0.2 U	--	**17**	--	<5.9 U	<12 U
	GP-30	09/07/12	3.3 - 5.3	--	**4.7**	--	--	**10.4**	**12.6**	--	--	--	--	<0.3 U	--	--	**24**	--	--	--
			5.3 - 6.6	--	**2.3**	--	--	**13.8**	**10**	--	--	--	--	<0.3 U	--	--	**24**	--	--	--
		10/09/12	7 - 9	<0.2 UJ	**3.8 J**	<0.1 U	--	**10.1**	**10.9 J**	**3.3**	<0.02 U	**8**	<0.6 U	<0.4 U	<0.2 U	--	**22**	--	--	--
	GP-31	09/06/12	3 - 5	--	**1.6**	--	<0.434 U	**12.8**	**10.7**	--	--	--	--	<0.3 U	--	--	**23**	--	<5.3 U	<11 U
			5 - 5.9	--	**1.4**	--	<0.432 U	**12.3**	**11.6**	--	--	--	--	<0.3 U	--	--	**24**	--	<5.7 U	<11 U
		10/11/12	5.9 - 7.9	<0.2 UJ	**2.1**	<0.1 U	--	**9.4**	**9.3**	**1.1**	<0.03 U	**7**	<0.6 U	<0.4 U	<0.2 U	--	**19**	--	--	--
			7.9 - 9.9	<0.2 UJ	**1.3**	<0.1 U	--	**8.8**	**8.7**	**1.2**	<0.02 U	**6**	<0.6 U	<0.4 U	<0.2 U	--	**17**	--	--	--

Table 1 - Soil Analytical Data

Asenic CSM Memorandum | Glacier Northwest, Inc. Site

				Metals															Total Petroleum Hydrocarbons (TPH)		
				Antimony	Arsenic	Cadmium	Chromium (hexavalent)	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Zinc	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Glacier Site-Specific Saturated Preliminary SL				5.2	7.3	0.77	0.031	260	36	81	0.07	48	0.78	0.61	0.0044	2,100,000	85	100	2,000	2,000
Glacier Site-Specific Unsaturated Preliminary SL				81	7.3	0.77	0.62	260	36	450	0.07	48	7.4	0.61	0.088	2,100,000	100	100	2,000	2,000
Site	Location	Date	Depth (ft bgs)																	
Glacier Northwest, Inc. Site	GP-32	09/10/12	0.25 - 2.25	--	**31.2**	--	--	**85.4**	**842**	--	--	--	--	**4.9**	--	--	**93**	--	--	--
			4.1 - 6.1	--	**4.1**	--	--	**14.3**	**47.8**	--	--	--	--	<0.3 U	--	--	**28**	--	--	--
		10/11/12	6.1 - 8.1	<0.2 UJ	**1**	<0.1 U	<0.487 U	**9.7**	**8.5**	**0.9**	<0.03 U	**8**	<0.6 U	<0.3 U	<0.2 U	--	**20**	--	--	--
			8.1 - 9.1	<0.3 UJ	**3.8**	<0.1 U	<0.497 U	**11.2**	**16.2**	**4.4**	**0.04**	**8**	<0.7 U	<0.4 U	<0.3 U	--	**25**	--	--	--
	GP-33	09/06/12	3.25 - 5.25	--	**3.8**	--	--	**13.6**	**13.7**	--	--	--	--	<0.3 U	--	--	**44**	--	**18**	**47**
			5.25 - 5.9	--	**3.9**	--	--	**11.6**	**8.3**	--	--	--	--	<0.3 U	--	--	**44**	--	**12**	**12**
		10/10/12	5.9 - 8.3	<0.2 UJ	**1.9**	<0.1 U	--	**9.6**	**10.4 J**	**1.4**	<0.02 U	**8**	<0.6 U	<0.4 U	<0.2 U	--	**23**	--	--	--
	GP-34	09/06/12	0 - 2	--	**23.7**	--	--	**27.6**	**55.1**	--	--	--	--	<0.3 U	--	--	**72**	--	--	--
			3.25 - 4.4	--	**4.5**	--	--	**14.2**	**15.4**	--	--	--	--	<0.3 U	--	--	**31**	--	--	--
			4.4 - 6.4	--	**2**	--	--	**11.1**	**8.9**	--	--	--	--	<0.3 U	--	--	**21**	--	--	--
		10/10/12	6.4 - 8.4	<0.2 UJ	**1.2**	<0.1 U	--	**10.1**	**8.9 J**	**1**	<0.03 U	**5**	<0.6 U	<0.4 U	<0.2 U	--	**18**	--	--	--
			8.4 - 9.4	<0.3 UJ	**5.6**	<0.1 U	--	**11.6**	**18.2 J**	**3.8**	<0.03 U	**14**	<0.7 U	<0.4 U	<0.3 U	--	**30**	--	--	--
	GP-35	10/08/13	3.5 - 5.5	--	--	--	--	--	**195**	--	--	--	--	--	--	--	--	--	--	--
			11.25 - 12.25	--	**3.3**	--	--	**12.5**	**15.7**	--	--	--	--	--	--	--	**26**	--	--	--
	GP-36	08/30/12	2.6 - 2.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**110**	--	--
			2.6 - 4.6	--	**41.9**	--	--	--	--	--	--	--	--	--	--	--	--	--	**1,600**	**100**
		10/08/12	7 - 9	<0.2 UJ	**4.6**	<0.1 U	--	**17**	**18.3**	**2.5**	<0.03 U	**16**	<0.6 U	<0.3 U	<0.2 U	--	**25**	--	<6 U	<12 U
			8 - 8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<7 U	--	--
			9 - 11	<0.2 UJ	**1.8**	<0.1 U	--	**9.9**	**8.5**	**1**	<0.02 U	**8**	<0.6 U	<0.4 U	<0.2 U	--	**20**	--	<6 U	<12 U
			10 - 10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<6.6 U	--	--
			11 - 12	<0.3 UJ	**2.3**	<0.1 U	--	**10.8**	**21.3**	**2.3**	**0.03**	**8**	<0.6 U	<0.4 U	<0.3 U	--	**23**	--	**6.5**	<13 U
			11.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<7.5 U	--	--
	GP-37	09/10/12	0 - 2	--	**7.1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			4.4 - 6.4	--	**2.1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/08/12	7 - 9	<0.2 UJ	**1.6**	<0.1 U	--	**10**	**8.8**	**1**	<0.03 U	**7**	<0.6 U	<0.4 U	<0.2 U	--	**19**	--	--	--
			9 - 10	<0.3 UJ	**3.2**	<0.1 U	--	**12.1**	**17**	**3**	**0.04**	**9**	<0.7 U	<0.4 U	<0.3 U	--	**25**	--	--	--
	GP-38	09/10/12	2.7 - 4.7	--	**18.5**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			5 - 7	--	**3.1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/09/12	7 - 9	<0.2 UJ	**2.2 J**	<0.1 U	--	**9.7**	**8.6 J**	**1**	<0.03 U	**7**	<0.6 U	<0.4 U	<0.2 U	--	**19**	--	--	--
			9 - 11	<0.3 UJ	**2.4 J**	<0.1 U	--	**9.8**	**13.1 J**	**1.7**	<0.03 U	**7**	<0.7 U	<0.4 U	<0.3 U	--	**20**	--	--	--
	GP-39	08/30/12	2.5 - 4.5	--	**50.3**	--	<0.486 U	**146**	**1,410**	--	--	--	--	**4.8**	--	--	--	--	--	--
		10/08/12	4.5 - 6.5	<0.2 UJ	**10.2**	<0.1 U	--	**19.4**	**24.9**	**2.9**	<0.03 U	**8**	<0.6 U	<0.4 U	<0.2 U	--	**28**	--	--	--
			6.5 - 8.5	<0.2 UJ	**3.1**	<0.1 U	--	**172**	**9.8**	**1.5**	<0.02 U	**7**	<0.5 U	<0.3 U	<0.2 U	--	**24**	--	--	--
			10.5 - 11.5	<0.3 UJ	**3**	<0.1 U	--	**268**	**14.3**	**2.5**	<0.03 U	**9**	<0.7 U	<0.4 U	<0.3 U	--	**25**	--	--	--
	GP-40	10/08/13	11.3 - 12.3	--	**3.8**	--	--	**14.7**	**23.1**	--	--	--	--	--	--	--	**31**	--	--	--
	GP-41	09/04/12	0 - 0.16	--	**6.6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-42	10/09/13	12.5 - 13.5	--	**5.1**	--	--	**18.8**	**40.3**	--	--	--	--	--	--	--	**40**	--	--	--
		01/22/14	20 - 22	--	**4.2**	--	--	**12.1**	**12.5**	--	--	--	--	--	--	--	**29**	--	--	--
	GP-43	10/10/13	3 - 5	--	**54.5**	--	--	--	**173**	--	--	--	--	--	--	--	**53**	--	--	--
			6.4 - 8.4	--	**38**	--	--	--	**31.9**	--	--	--	--	--	--	--	**44**	--	--	--
			11.1 - 12.1	--	**667 J**	--	--	**35 J**	**281 J**	--	--	--	--	--	--	--	**139 J**	--	--	--
	GP-44	09/04/12	2 - 4.8	--	**40.7**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/09/12	4.8 - 6.8	<0.2 UJ	**40.7 J**	<0.1 U	--	**11.3**	**39.4 J**	**6.9**	**0.03**	**5**	<0.5 U	<0.3 U	<0.2 U	--	**36**	--	**53**	**20**
			6.8 - 8.8	<0.2 UJ	**14.4 J**	<0.1 U	--	**4.9**	**9.7 J**	**1.4**	<0.03 U	**1**	<0.6 U	<0.4 U	<0.2 U	--	**10**	--	**16**	<12 U
			8.8 - 11.1	<0.2 UJ	**32.8 J**	<0.1 U	--	**3.6 J**	**17.5 J**	**0.9**	<0.03 U	<1 U	<0.6 U	<0.4 U	<0.2 U	--	**7 J**	--	**6.5**	<12 U
	GP-45	09/04/12	2 - 4.25	--	**224**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/09/12	4.5 - 6.5	<0.2 UJ	**16.9 J**	<0.1 U	--	**3.2**	**41.8 J**	**8.3**	**0.03**	**2**	<0.6 U	<0.3 U	<0.2 U	--	**47**	--	**14**	**21**
			6.5 - 8.5	<0.2 UJ	**7.9 J**	<0.1 U	--	**1.3**	**3.4 J**	**0.3**	<0.02 U	<1 U	<0.6 U	<0.4 U	<0.2 U	--	<1 U	--	<5.7 U	<11 U
			8.5 - 9.5	<0.2 UJ	**4 J**	<0.1 U	--	**15.7**	**20.3 J**	**1.9**	<0.02 U	**3**	<0.6 U	<0.3 U	<0.2 U	--	**9**	--	<6.3 U	**13**
	GP-46	08/31/12	2.5 - 4.2	--	**23.8**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/09/12	5.2 - 7.2	<0.2 UJ	**6.6 J**	<0.1 U	--	**4.8**	**8.8 J**	**4**	<0.03 U	**1**	<0.6 U	<0.3 U	<0.2 U	--	**20**	--	**9.2**	**11**
			7.2 - 8.7	<0.2 UJ	**8.9 J**	<0.1 U	--	**13.9**	**17.3 J**	**2.4**	<0.03 U	**5**	<0.6 U	<0.4 U	<0.2 U	--	**14**	--	<6.1 U	**14**
	GP-47	09/05/12	0 - 0.25	--	**10.6**	--	<0.41 U	**7**	**276 J**	**2.8**	**0.05 J**	**12**	--	<0.7 U	--	--	**54**	--	--	--
	GP-48	09/04/12	0 - 0.5	--	**13.4**	--	--	**4**	**168**	--	--	--	--	<1 U	--	--	**30**	--	--	--
	GP-49	10/04/13	3.5 - 5.5	--	**16.8**	--	--	**29.6**	**158**	--	--	--	--	--	--	--	**69**	--	--	--
			6 - 8	--	**11.5 J**	--	--	**12.1**	**14.5**	--	--	--	--	--	--	--	**29**	--	--	--
			11.75 - 12.75	--	**3.8 J**	--	--	**13.2**	**23.8**	--	--	--	--	--	--	--	**27**	--	--	--
	GP-50	09/07/12	0 - 2	--	**29**	--	--	**25.7**	**530**	--	--	--	--	**0.6**	--	--	**112**	--	**98**	**130**
			3 - 5.9	--	**5.3**	--	--	**9.9**	**14.3**	--	--	--	--	<0.3 U	--	--	**26**	--	<5.8 U	<12 U
		10/11/12	5.9 - 7	<0.2 UJ	**2.7**	<0.1 U	--	**10.7**	**10.7**	**1.1**	<0.03 U	**5**	<0.6 U	<0.4 U	<0.2 U	--	**21**	--	<5.9 U	<12 U
			7 - 7.75	<0.3 UJ	**5.3**	<0.1 U	--	**14.8**	**22.2**	**5.3**	**0.03**	**18**	<0.7 U	<0.4 U	<0.3 U	--	**38**	--	**10**	<14 U
	GP-51	10/09/13	4.3 - 6.3	--	**888**	--	--	**28.3**	**559**	--	--	--	--	--	--	--	**102**	--	--	--
			8.6 - 10.6	--	**13.1**	--	--	--	**450**	--	--	--	--	--	--	--	**99**	--	--	--
			11.9 - 12.9	--	**193**	--	--	**13.4**	**487**	--	--	--	--	--	--	--	**528**	--	--	--
		01/22/14	17.4 - 19.4	--	**11.5 J**	--	--	--	**33.8**	--	--	--	--	--	--	--	**35**	--	--	--
			24.4 - 26.4	--	**2.5**	--	--	**13.2**	**22.7**	--	--	--	--	--	--	--	**28**	--	--	--
	GP-52	10/09/13	3.5 - 5.5	--	**26.7**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			7.1 - 9.1	--	**104**	--	--	**13.6**	**11.1**	--	--	--	--	--	--	--	**25**	--	--	--
			12.1 - 13.1	--	**10.3**	--	--	**15.3**	**22.1**	--	--	--	--	--	--	--	**26**	--	--	--
	GP-53	09/10/12	3 - 5	--	**3.4**	--	--	**10.3**	**8.6**	--	--	--	--	<0.3 U	--	--	**18**	--	<6.1 U	<12 U
			5 - 5.3	--	**3**	--	--	**11.3**	**8.1**	--	--	--	--	<0.4 U	--	--	**20**	--	**11**	<12 U
		10/10/12	5.3 - 7.3	<0.3 UJ	**4**	<0.1 U	--	**10.5**	**8.7 J**	**1.1**	<0.03 U	**9**	<0.6 U	<0.4 U	<0.3 U	--	**20**	--	<5.8 U	<12 U
			7.3 - 9.3	<0.2 UJ	**2.4**	<0.1 U	--	**8.3**	**9.4 J**	**1.2**	**0.03**	**6**	<0.6 U	<0.4 U	<0.2 U	--	**17**	--	<6.2 U	<12 U
	GP-54	10/09/13	4.1 - 6.1	--	**1.2**	--	--	**11**	**8.6**	--	--	--	--	--	--	--	**19**	--	--	--
			10.9 - 11.9	--	**4.8**	--	--	**15.4**	**23.3**	--	--	--	--	--	--	--	**30**	--	--	--
	GP-55	08/31/12	2.5 - 4	--	**17.5**	--	--	**15.6**	**435**	--	--	--	--	**0.9**	--	--	**30**	--	--	--
		10/08/12	4.4 - 6.4	<0.2 UJ	**9.7**	<0.1 U	--	**9.9**	**24.7**	**12.1**	**0.02**	**7**	<0.5 U	<0.3 U	<0.2 U	--	**23**	--	--	--
			6.4 - 8.4	<0.2 UJ	**4.3**	<0.1 U	--	**9.4**	**8.1**	**1.1**	<0.02 U	**6**	<0.6 U	<0.3 U	<0.2 U	--	**19**	--	--	--
			8.4 - 10.4	<0.3 UJ	**4.4**	<0.1 U	--	**14.5**	**12**	**3.7**	<0.03 U	**10**	<0.6 U	<0.4 U	<0.3 U	--	**29**	--	--	--

Table 1 - Soil Analytical Data

Asenic CSM Memorandum | Glacier Northwest, Inc. Site

				Metals														Total Petroleum Hydrocarbons (TPH)		
				Antimony	Arsenic	Cadmium	Chromium (hexavalent)	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Zinc	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Glacier Site-Specific Saturated Preliminary SL				5.2	7.3	0.77	0.031	260	36	81	0.07	48	0.78	0.61	0.0044	2,100,000	85	100	2,000	2,000
Glacier Site-Specific Unsaturated Preliminary SL				81	7.3	0.77	0.62	260	36	450	0.07	48	7.4	0.61	0.088	2,100,000	100	100	2,000	2,000
Site	Location	Date	Depth (ft bgs)																	
Glacier Northwest, Inc. Site	GP-56	08/30/12	3.3 - 3.75	--	53.8	0.2	<0.506 U	29.6	566	22.1	0.12	7	--	4.1	--	--	72	--	--	--
		10/10/12	4.2 - 5.2	0.8 J	99.7	<0.2 U	<0.832 U	4	571 J	10.8	<0.04 U	4	<1 U	<0.7 U	<0.4 U	--	78	--	--	--
			5.2 - 7.2	<0.2 UJ	65.8	<0.1 U	0.75	12.6	68.4 J	6.1	<0.02 U	5	<0.6 U	<0.3 U	<0.2 U	--	51	--	--	--
			7.2 - 9.5	<0.3 UJ	634 J	<0.1 U	<0.534 U	15.8	133 J	3.8	<0.03 U	5	<0.6 U	<0.4 U	<0.3 U	--	28	--	--	--
	GP-57	08/31/12	1.5 - 3.5	--	6.2	0.1	<0.45 U	25.5	22.4	26.6	<0.03 U	30	--	<0.3 U	--	--	56	--	--	--
		10/10/12	4 - 6.25	<0.2 UJ	78.7	<0.1 U	<0.414 U	12.7	22.1 J	3.9	<0.02 U	8	<0.5 U	<0.3 U	<0.2 U	--	31	--	--	--
			6.25 - 6.8	<0.3 UJ	24	0.3	1	23.5	37.9 J	10	0.11	23	<0.7 U	<0.4 U	<0.3 U	--	59	--	--	--
			8.8 - 10.8	<0.2 UJ	8.4	<0.1 U	<0.497 U	10.1	9 J	1	<0.03 U	7	<0.6 U	<0.4 U	<0.2 U	--	21	--	--	--
			10.8 - 12	<0.3 UJ	4	<0.1 U	0.965	10.4	14 J	2.2	<0.06 U	8	<0.6 U	<0.4 U	<0.3 U	--	23	--	--	--
	GP-58	08/31/12	1.75 - 3.75	--	4.6	<0.2 U	20.8	3	14.9	1.9	<0.04 U	<2 U	--	<0.6 U	--	--	12	--	--	--
		10/08/12	4.25 - 6.25	<0.2 UJ	86.3	<0.1 U	0.607	10.2	68.8	4.9	0.03	7	<0.5 U	<0.3 U	<0.2 U	--	40	--	--	--
			8.25 - 10.5	<0.3 UJ	203	<0.1 U	<0.503 U	11.4	15.7	3.4	0.03	10	<0.6 U	<0.4 U	<0.3 U	--	63	--	--	--
	GP-59	08/31/12	2.3 - 3.9	--	20.7	<0.1 U	<0.424 U	32.1	39.1	20.3	<0.02 U	39	--	<0.3 U	--	--	45	--	--	--
		10/10/12	4.25 - 6.25	<0.2 UJ	33.2	<0.1 U	0.758	18.6	158 J	11.7 J	0.03	11	<0.6 U	<0.3 U	<0.2 U	--	40	--	--	--
			8.25 - 10.25	<0.2 UJ	868	<0.1 U	0.849	10.9	31.9 J	4.5	<0.02 U	7	<0.6 U	<0.4 U	<0.2 U	--	89	--	--	--
			10.25 - 11.5	<0.3 UJ	3,070	<0.2 U	0.788	20.2	80.3 J	11	0.05	21	<0.8 U	<0.5 U	<0.3 U	--	2,080	--	--	--
	GP-60	10/01/13	4.5 - 5	--	1.6 J	--	<0.5 U	11.9	11.6	--	--	--	--	--	--	--	48	--	--	--
		10/04/13	8.8 - 9.8	--	3.1	--	<0.544 U	13.4	332	--	--	--	--	--	--	--	24	--	--	--
	GP-61	09/06/12	0 - 2	--	8.2	--	--	19.9	56.9	--	--	--	--	<0.3 U	--	--	51	--	--	--
			2.5 - 4.5	--	3	--	--	11.9	15.1	--	--	--	--	<0.3 U	--	--	28	--	--	--
		10/12/12	4.5 - 7.5	<0.2 U	1.5	<0.1 U	--	9.3	10.4	1.1	<0.03 U	6	<0.6 U	<0.4 U	<0.2 U	--	19	--	<6.3 U	<13 U
			7.5 - 8.5	<0.3 U	4.7	<0.1 U	--	11.5	19.9	6.8	0.04	8	<0.7 U	<0.4 U	<0.3 U	--	27	--	<7.1 U	9.8 J
	GP-62	09/05/12	0 - 2	--	27.8	--	--	30.7	102	--	--	--	--	<0.3 U	--	--	208	--	--	--
			3 - 5	--	1.3	--	--	9.8	8.4	--	--	--	--	<0.3 U	--	--	22	--	--	--
		10/12/12	5 - 6.7	<0.2 U	1.6	<0.1 U	--	9.9	8.8	1.2	<0.03 U	6	<0.6 U	<0.3 U	<0.2 U	--	19	--	--	--
			6.7 - 7.7	<0.3 U	3.8	<0.1 U	--	11.8	15.2	2.6	<0.03 U	9	<0.7 U	<0.4 U	<0.3 U	--	30	--	--	--
	GP-63	10/12/12	4 - 6	--	--	--	<0.508 U	--	--	--	--	--	--	--	--	--	--	--	240	200
			6 - 8	--	--	--	<0.499 U	--	--	--	--	--	--	--	--	--	--	--	240	130
			8 - 9	--	--	--	<0.584 U	--	--	--	--	--	--	--	--	--	--	--	<6.7 U	<14 U
	GP-64	09/05/12	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	600	480
			3.3 - 4.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5.6 U	<11 U
		10/12/12	4.3 - 6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.9 J	<12 U
			6 - 7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<7 U	14 J
	GP-65	09/05/12	1.5 - 3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340	190
		10/12/12	4 - 6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<6.2 U	<12 U
			6 - 7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<7 U	<14 U
	GP-66	09/10/12	0.6 - 2.6	--	23.2	--	--	46.6	322	--	--	--	--	1.4	--	--	57	--	--	--
			3.75 - 5.75	--	4.1	--	--	14.8	124	--	--	--	--	<0.3 U	--	--	27	--	--	--
		10/11/12	5.75 - 7.75	<0.2 UJ	1	<0.1 U	<0.488 U	9.6	530	0.8	<0.02 U	6	<0.6 U	<0.4 U	<0.2 U	--	19	--	--	--
			7.75 - 7.75	<0.3 UJ	5	<0.1 U	<0.534 U	14	20.8	6	0.09	14	<0.7 U	<0.4 U	<0.3 U	--	31	--	--	--
	GP-67	10/07/13	3 - 4.8	--	78.7	--	--	--	274	--	--	--	--	--	--	--	117	--	--	--
			4.8 - 6.8	--	123	--	--	--	527	--	--	--	--	--	--	--	97	--	--	--
			10 - 11	--	176 J	--	--	15	239	--	--	--	--	--	--	--	259	--	--	--
	GP-68	01/23/14	4 - 6	--	2.5 J	--	<0.523 UJ	10.6	<8.5 U	--	--	--	--	--	--	--	21	--	--	--
			9.4 - 10.4	--	4.1	--	<0.622 UJ	11.2	<12.8 U	--	--	--	--	--	--	--	23	--	--	--
	GP-69	10/07/13	0 - 2	--	--	--	<0.442 R	--	--	--	--	--	--	--	--	--	--	--	--	--
			7.6 - 9.6	--	56.6 J	--	0.592 J	10.3	8.6	--	--	--	--	--	--	--	19	--	--	--
			12.6 - 13.6	--	5.4 J	--	<0.568 UJ	15.6	22.5	--	--	--	--	--	--	--	25	--	--	--
		01/20/14	20 - 22	--	7.5	--	<0.495 U	12.7 J	11.2	--	--	--	--	--	--	--	27	--	--	--
	GP-70	10/09/13	3 - 5	--	382	--	--	--	197	--	--	--	--	--	--	--	--	--	--	--
			6.1 - 8.1	--	488	--	<0.472 U	11.6	16.2	--	--	--	--	--	--	--	69	--	--	--
			10.8 - 11.8	--	35.6	--	<0.579 U	12.7	23.7	--	--	--	--	--	--	--	83	--	--	--
	GP-71	10/08/13	2.25 - 4	--	--	--	--	--	539	--	--	--	--	--	--	--	--	--	--	--
			7.1 - 9.1	--	--	--	--	--	9.4	--	--	--	--	--	--	--	--	--	--	--
			10.6 - 11.6	--	5.1	--	<0.578 U	19.7	18.1	--	--	--	--	--	--	--	49	--	--	--
		01/22/14	15 - 17	--	1.5	--	<0.519 U	12.5	44.4	--	--	--	--	--	--	--	31	--	--	--
	GP-72	10/01/13	2 - 4	--	24.3 J	--	--	12.9	78	--	--	--	--	--	--	--	93	--	--	--
		10/08/13	8.2 - 9.2	--	5.9	--	--	17.1	25.3	--	--	--	--	--	--	--	42	--	--	--
	GP-73	10/08/13	4 - 5.8	--	562	--	--	--	278	--	--	--	--	--	--	--	77	--	--	--
			5.8 - 7.8	--	303	--	--	--	900	--	--	--	--	--	--	--	120	--	--	--
			11.5 - 12.5	--	220	--	--	15.6	754	--	--	--	--	--	--	--	1,340	--	--	--
	GP-74	10/08/13	3 - 4	--	11.1 J	--	--	41.2	420	--	--	--	--	--	--	--	71	--	--	--
			4 - 5	--	3.1	--	--	15.4	18.8	--	--	--	--	--	--	--	34	--	--	--
		10/10/13	7.6 - 8.6	--	3.5	--	<0.532 UJ	14.5	20	--	--	--	--	--	--	--	29	--	--	--
		01/22/14	17.7 - 19.7	--	--	--	<0.486 U	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-75	10/01/13	0 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	71	420
			4 - 4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300	4,900	12,000
			4 - 6	--	2.5 J	--	<0.486 U	11.6	13.2	--	--	--	--	--	--	--	25	--	--	--
		10/04/13	8.5 - 9.5	--	3.6	--	<0.536 U	14.8	24.6	--	--	--	--	--	--	--	33	--	12	21
	GP-76	05/14/19	1 - 3	--	10.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			4.25 - 6.25	--	1.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		05/17/19	10.2 - 11.2	--	4.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-77	05/14/19	2.75 - 4.75	--	6.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			5 - 7	--	1.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		05/17/19	10.5 - 11.5	--	4.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-78	05/14/19	1 - 2.5	--	7.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			3 - 5	--	1.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		05/17/19	10.5 - 11.5	--	5.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1 - Soil Analytical Data

Asenic CSM Memorandum | Glacier Northwest, Inc. Site

				Metals														Total Petroleum Hydrocarbons (TPH)		
				Antimony	Arsenic	Cadmium	Chromium (hexavalent)	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Zinc	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Glacier Site-Specific Saturated Preliminary SL				5.2	7.3	0.77	0.031	260	36	81	0.07	48	0.78	0.61	0.0044	2,100,000	85	100	2,000	2,000
Glacier Site-Specific Unsaturated Preliminary SL				81	7.3	0.77	0.62	260	36	450	0.07	48	7.4	0.61	0.088	2,100,000	100	100	2,000	2,000
Site	Location	Date	Depth (ft bgs)																	
Glacier Northwest, Inc. Site	GP-80	05/14/19	1.5 - 3.5	--	**14.9**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			4 - 5.5	--	**2.92**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		05/17/19	13 - 14	--	**5.29**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GP-81	11/18/24	1 - 3	--	**42**	--	--	**22**	**63**	--	--	--	--	--	--	--	**95**	--	--	--
			2 - 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	<250 U
			8 - 10	--	**240**	--	--	**5.3**	**17**	--	--	--	--	--	--	--	**140**	--	--	--
			10 - 12	--	**390**	--	--	**8**	**37**	--	--	--	--	--	--	--	**210**	--	--	--
			12 - 14	--	**24**	--	--	**11**	**23**	--	--	--	--	--	--	--	**13**	--	--	--
			17 - 19	--	**12**	--	--	**8.8**	**16**	--	--	--	--	--	--	--	**23**	--	--	--
		11/19/24	21 - 23	--	**2.6**	--	--	**9.1**	**11**	--	--	--	--	--	--	--	**19**	--	--	--
	GP-82	11/18/24	2 - 4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			7 - 9	--	**36**	--	--	**9.7**	**51**	--	--	--	--	--	--	--	**35**	--	--	--
			11 - 13	--	**6.7**	--	--	**9.7**	**20**	--	--	--	--	--	--	--	**16**	--	--	--
			21 - 23	--	**2**	--	--	**9.3**	**13**	--	--	--	--	--	--	--	**21**	--	--	--
	GP-83	11/19/24	3 - 5	--	**83**	--	--	**27**	**990**	--	--	--	--	--	--	--	**31**	--	--	--
			9.5 - 11.5	--	**41**	--	--	**3.7**	**56**	--	--	--	--	--	--	--	<5 U	--	--	--
			12 - 14	--	**7.4**	--	--	**8.7**	**22**	--	--	--	--	--	--	--	**14**	--	--	--
			15 - 17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			23 - 25	--	**3.4**	--	--	**7**	**7.4**	--	--	--	--	--	--	--	**17**	--	--	--
	MW-2D	12/06/95	10 - 11	--	**13**	--	--	--	--	--	--	--	--	<2.7 U	--	--	--	--	--	--
			17 - 18	--	<5.7 U	--	--	--	--	--	--	--	--	<2.3 U	--	--	--	--	--	--
	MW-2S	12/06/95	10 - 11	--	**18**	--	--	--	--	--	--	--	--	<3.2 U	--	--	--	--	--	--
	MW-4S	12/06/95	10 - 11	--	**8.4**	--	--	--	--	--	--	--	--	<2.8 U	--	--	--	--	--	--
	MW-10S	10/13/98	5.5 - 6.5	--	**15.2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			10 - 10.5	--	**12**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-11S	10/13/98	5.5 - 6.5	--	**6.86**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			10 - 10.5	--	**11.7**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-12S	10/13/98	5.5 - 6.5	--	**4.69**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			10 - 11.5	--	**26.5**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-13D	11/25/24	2.5 - 4.5	--	**200**	--	--	**27**	**330**	--	--	--	--	--	--	--	**99**	--	--	--
			9.5 - 11.5	--	**16**	--	--	**7.2**	**32**	--	--	--	--	--	--	--	**22**	--	--	--
			14.5 - 16.5	--	**84**	--	--	**11**	**37**	--	--	--	--	--	--	--	**47**	--	--	--
			19 - 21	--	**11**	--	--	**9.3**	**11**	--	--	--	--	--	--	--	**18**	--	--	--
			23 - 25	--	**2.8**	--	--	**7.1**	**7.6**	--	--	--	--	--	--	--	**19 J**	--	--	--
			38 - 40	--	**1.5**	--	--	**6.4**	**10**	--	--	--	--	--	--	--	**14**	--	--	--
	MW-13S	10/13/98	5.5 - 6.5	--	**182**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			11 - 11.5	--	**216**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-14D	11/14/11	3 - 6	<5 UJ	**88.2 J**	**0.2**	--	**9.5**	**387 J**	**4.3**	**0.03**	**5**	<5 U	<0.3 U	<5 U	--	**99**	--	--	--
			6.5 - 7.5	<5 UJ	**129 J**	**0.1**	--	**8.9**	**326**	**2.8**	<0.02 U	**5**	<5 U	<0.3 U	<5 U	--	**125**	--	--	--
	MW-14S	10/13/98	5.5 - 6.5	--	**103**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			10 - 11.5	--	**166**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-15S	10/13/98	5.5 - 6.5	--	**2.36**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			10 - 11.5	--	**12.1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-16S	10/13/98	5.5 - 6.5	--	**0.821**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			10.5 - 11.5	--	**25.4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-17S	10/14/98	5.5 - 6.5	--	**38.4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			10 - 11.5	--	**4.77**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-18S	10/14/98	5.5 - 6.5	--	**46.8**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			13 - 13.5	--	**4.33**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-19D	11/25/24	2.5 - 5	--	**1,200**	--	--	**10**	**780**	--	--	--	--	--	--	--	**250**	--	--	--
			10 - 12	--	**80**	--	--	**7.1**	**31**	--	--	--	--	--	--	--	**96**	--	--	--
			12 - 14	--	**730**	--	--	**12**	**22**	--	--	--	--	--	--	--	**21**	--	--	--
			14.5 - 16	--	**8.6**	--	--	**12**	**17**	--	--	--	--	--	--	--	**20**	--	--	--
			20 - 22	--	**1.6**	--	--	**8.9**	**8.7**	--	--	--	--	--	--	--	**21**	--	--	--
			38 - 40	--	<1 U	--	--	**5**	**10**	--	--	--	--	--	--	--	**12**	--	--	--
	MW-19S	10/14/98	5.5 - 6.5	--	**1,290**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			13 - 13.5	--	**2,240**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-20D	10/08/13	6.6 - 8.6	--	**5.5**	--	--	**17.7**	**23.1**	--	--	--	--	--	--	--	**43**	--	--	--
			12 - 13	--	**4.5**	--	--	**12.4**	**17**	--	--	--	--	--	--	--	**25**	--	--	--
		01/17/14	22.5 - 24.5	--	**1.8 J**	--	--	**14**	**10.2**	--	--	--	--	--	--	--	**30**	--	--	--
	MW-20S	10/14/98	5.5 - 6.5	--	**13.5**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			13 - 13.5	--	**2.6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-21S	10/14/98	5.5 - 6.5	--	**60.2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			13 - 13.5	--	**118**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-22S	07/22/03	5 - 5.5	--	**160**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			8 - 8.5	--	**5.7**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			13 - 13.5	--	**7.9**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-23D	09/04/12	2.75 - 5.25	--	**35.8 J**	--	--	**22.2**	**103**	**34.3 J**	**0.08**	**9**	--	**0.7**	--	--	**44**	--	--	--
	MW-23S	07/22/03	5 - 5.5	--	**7.2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			8.5 - 9	--	<4.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			13 - 13.5	--	<6.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-24S	07/22/03	8.5 - 9	--	<4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			13 - 13.5	--	<5.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/23/03	3.5 - 4	--	<4.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			5 - 5.5	--	<4.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-25S	07/22/03	8 - 8.5	--	**11**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			13 - 13.5	--	<7.8 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/23/03	3.5 - 4	--	<2.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1 - Soil Analytical Data

Asenic CSM Memorandum | Glacier Northwest, Inc. Site

				Metals														Total Petroleum Hydrocarbons (TPH)		
				Antimony	Arsenic	Cadmium	Chromium (hexavalent)	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Zinc	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Glacier Site-Specific Saturated Preliminary SL				5.2	7.3	0.77	0.031	260	36	81	0.07	48	0.78	0.61	0.0044	2,100,000	85	100	2,000	2,000
Glacier Site-Specific Unsaturated Preliminary SL				81	7.3	0.77	0.62	260	36	450	0.07	48	7.4	0.61	0.088	2,100,000	100	100	2,000	2,000
Site	Location	Date	Depth (ft bgs)																	
Glacier Northwest, Inc. Site	MW-26S	07/22/03	8 - 8.5	--	**9.1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			13 - 13.5	--	**24**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/23/03	5.5 - 6	--	**180**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			10.5 - 11	--	**250**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-27S	07/22/03	8 - 8.5	--	<3.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			13 - 13.5	--	<3.6 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/23/03	5.5 - 6	--	<3.6 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			10.5 - 11	--	<4.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-28S	11/08/11	1 - 2	--	**67.9**	--	--	**23.5**	**119 J**	--	--	--	--	<0.3 U	--	--	**89**	--	--	--
			3.5 - 4	--	**1.7**	--	--	**11.3**	**10.9 J**	--	--	--	--	<0.4 U	--	--	**22**	--	--	--
	MW-29S	11/08/11	0 - 2	--	**23.1**	--	--	**23.4**	**66.7 J**	--	--	--	--	<0.3 U	--	--	**47**	--	--	--
			3 - 3.5	--	**2.2**	--	--	**17.1**	**31.6 J**	--	--	--	--	**0.7**	--	--	**25**	--	--	--
	MW-30S	11/08/11	0 - 2	--	**8.5**	--	<0.438 UJ	**40.9**	**88.3 J**	--	--	--	--	**0.5**	--	--	**105**	--	--	--
			2.8 - 2.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**100**	**16,000 J**	**14,000 J**
			3 - 3.5	--	**1.1**	--	<0.478 UJ	**10.5**	**16.7 J**	--	--	--	--	<0.3 U	--	--	**23**	--	--	--
	MW-31D	10/10/13	5 - 7	--	**3.1**	--	--	**13.5**	**15.8**	--	--	--	--	--	--	--	**29**	--	--	--
			8.25 - 9.25	--	**7.3**	--	<0.627 R	**16.8**	**23.3**	--	--	--	--	--	--	--	**27**	--	--	--
		01/22/14	19 - 20	--	**1.9**	--	<0.488 U	**12**	**10.6**	--	--	--	--	--	--	--	**26**	--	--	--
	MW-31S	11/08/11	1 - 2	--	**2.2**	--	--	**21.1**	**14.3 J**	--	--	--	--	<0.3 U	--	--	**27**	--	--	--
			5 - 6	--	**4.1**	--	--	**11.4**	**12.3 J**	--	--	--	--	<0.4 U	--	--	**26**	--	--	--
	MW-32D	11/09/11	1.6 - 3.6	--	**53.3 J**	--	--	**23.7 J**	**75.1 J**	--	--	--	--	<0.3 U	--	--	**62**	--	--	--
		11/11/11	5 - 7	--	**1**	--	--	**9.4**	**7.7**	--	--	--	--	<0.3 U	--	--	**18**	--	--	--
	MW-32S	11/08/11	1.7 - 4	--	**21.8 J**	--	--	**24.6 J**	**69.4 J**	--	--	--	--	**0.4**	--	--	**47**	--	--	--
		11/11/11	5 - 7	--	**1.4**	--	--	**11.2**	**11.4**	--	--	--	--	<0.4 U	--	--	**22**	--	--	--
			7 - 7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<4 U	--	--
	MW-33D	11/19/24	3 - 5	--	**180**	--	--	**38**	**500**	--	--	--	--	--	--	--	**1,700**	--	--	--
			7 - 9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			10.5 - 12.5	--	**6.5**	--	--	**13**	**22**	--	--	--	--	--	--	--	**42**	--	--	--
			23 - 25	--	**1.8**	--	--	**7.4**	**7.1**	--	--	--	--	--	--	--	**15**	--	--	--
	MW-33S	11/10/11	0.7 - 1.3	--	**1.7**	--	--	**25.9**	**19.4**	--	--	--	--	<0.3 U	--	--	**32**	--	--	--
		11/14/11	4 - 7	--	**13.6 J**	--	--	**10.9**	**31.5**	--	--	--	--	<0.3 U	--	--	**24**	--	--	--
			5.5 - 5.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-34S	11/09/11	1.3 - 3.2	--	**2.7 J**	--	--	**19.5 J**	**16.2 J**	--	--	--	--	<0.3 U	--	--	**30**	--	<1.4 U	<2.6 U
			3 - 3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.4 U	--	--
			3.8 - 4.2	--	**2.1 J**	--	--	**13.3 J**	**13 J**	--	--	--	--	<0.4 U	--	--	**23**	<3.2 U	<1.6 U	<3 U
	MW-35D	10/01/13	4.25 - 5.5	--	**2.1 J**	--	--	**19.1**	**71.9**	--	--	--	--	--	--	--	**26**	--	--	--
		10/10/13	7 - 7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.6 U	<16 UJ	<20 U
			8.5 - 9.5	--	**4.5**	--	<0.553 UJ	**12.6**	**21.5**	--	--	--	--	--	--	--	**32**	--	--	--
		01/23/14	19.3 - 20	--	**1**	--	<0.485 UJ	**15.2**	<10.6 U	--	--	--	--	--	--	--	**26**	--	--	--
	MW-35S	11/09/11	1.3 - 3.3	--	**5.9**	--	--	**26.9**	**101**	--	--	--	--	<0.3 U	--	--	**33**	--	**5.3 J**	<2.6 U
			5.7 - 6.3	--	**1.6**	--	--	**38**	**313**	--	--	--	--	<0.3 U	--	--	**23**	--	<1.6 U	<3 U
	MW-36S	02/22/12	2.8 - 4.8	--	**22**	--	--	**9.9**	**31.3**	--	--	--	--	<0.3 U	--	--	**27**	--	--	--
			4.8 - 6	--	**3.4**	--	--	**13.9**	**19**	--	--	--	--	<0.4 U	--	--	**31**	--	--	--
	MW-38D	10/02/13	0.83 - 2	--	**80.8**	--	<0.468 U	**13.9**	**71.3**	--	--	--	--	--	--	--	**56**	--	--	--
		10/07/13	8.5 - 9.5	--	**3.1 J**	--	<0.541 UJ	**14.7**	**23.3**	--	--	--	--	--	--	--	**32**	--	--	--
	MW-43D	10/10/13	5.25 - 6.7	--	**104**	--	--	--	**124**	--	--	--	--	--	--	--	--	--	**2,000**	**760**
			6.9 - 6.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**38**	**4,500 J**	**1,100**
			7.25 - 9.25	--	**68.7**	--	--	**10.9**	**241**	--	--	--	--	--	--	--	**43**	--	--	--
			11.25 - 12.25	--	**300**	--	--	**13**	**383**	--	--	--	--	--	--	--	**72**	--	--	--
		01/21/14	14.5 - 16.5	--	**61.7 J**	--	--	**14.7**	**125**	--	--	--	--	--	--	--	**49**	--	--	--
			19.3 - 21.3	--	**37.5**	--	--	**12.3**	**20.4**	--	--	--	--	--	--	--	**36**	--	--	--
	MW-43S	01/20/14	3.3 - 4.5	--	**63.6**	--	<0.475 U	**32.7**	**292**	--	--	--	--	--	--	--	**89**	--	**110**	**74**
	MW-45D	10/07/13	2.3 - 4.2	--	**18.8**	--	<0.902 R	**20**	**286**	--	--	--	--	--	--	--	**139**	--	--	--
			4.2 - 6.2	--	**95.2 J**	--	--	**10.9**	**287**	--	--	--	--	--	--	--	**82**	--	--	--
			9.5 - 10.5	--	**288 J**	--	<0.54 UJ	**13.7**	**3,500**	--	--	--	--	--	--	--	**923**	--	--	--
		01/16/14	12.5 - 13	--	**493**	--	<0.67 U	**17.5**	**260 J**	--	--	--	--	--	--	--	**4,030**	--	--	--
		01/17/14	17.3 - 19.3	--	**76.8 J**	--	<0.517 U	**14.3**	**9.7 J**	--	--	--	--	--	--	--	**46**	--	--	--
	MW-46D	11/20/24	5 - 5	--	**120**	--	--	**33**	**310**	--	--	--	--	--	--	--	**73**	--	--	--
			7 - 9	--	**67**	--	--	**30**	**350**	--	--	--	--	--	--	--	**45**	--	--	--
			11 - 12.5	--	**940**	--	--	**23**	**190**	--	--	--	--	--	--	--	**120**	--	--	--
			12.5 - 14.5	--	**320**	--	--	**13**	**47**	--	--	--	--	--	--	--	**190**	--	--	--
			17.5 - 19.5	--	**46**	--	--	**12**	**18**	--	--	--	--	--	--	--	**28**	--	--	--
			20 - 22	--	**18**	--	--	**7.2**	**7.9**	--	--	--	--	--	--	--	**18**	--	--	--
			28 - 30	--	**1**	--	--	**5.4**	**6.5**	--	--	--	--	--	--	--	**16**	--	--	--
			36 - 38	--	**1.2**	--	--	**5.2**	**8**	--	--	--	--	--	--	--	**13**	--	--	--
	MW-47D	11/22/24	2 - 4	--	**50**	--	--	**28**	**180**	--	--	--	--	--	--	--	**65**	--	--	--
			11 - 13	--	**460**	--	--	**20**	**110**	--	--	--	--	--	--	--	**85**	--	--	--
			16 - 18	--	**300**	--	--	**14**	**77**	--	--	--	--	--	--	--	**130**	--	--	--
			22 - 24	--	**120**	--	--	**9.7**	**17**	--	--	--	--	--	--	--	**87**	--	--	--
			25 - 27	--	**8.4**	--	--	**6.5**	**5.6**	--	--	--	--	--	--	--	**17**	--	--	--
			32 - 34	--	**4.4**	--	--	**6.3**	**6.4**	--	--	--	--	--	--	--	**17**	--	--	--
	MW-48D	11/21/24	1 - 3	--	**95**	--	--	**11**	**95**	--	--	--	--	--	--	--	**29**	--	--	--
			8.5 - 10.5	--	**9.5**	--	--	**13**	**20**	--	--	--	--	--	--	--	**28**	--	--	--
			14.5 - 16	--	**8.7**	--	--	**14**	**22**	--	--	--	--	--	--	--	**35**	--	--	--
			16 - 18	--	**1.2**	--	--	**9.5**	**6.1**	--	--	--	--	--	--	--	**16**	--	--	--
	TB-01B	01/14/14	0.8 - 2.4	--	**70 J**	--	--	**26 J**	**284**	--	--	--	--	--	--	--	**200 J**	--	--	--
			5 - 6.9	--	**4.4 J**	--	--	**72.1**	**421**	--	--	--	--	--	--	--	**56 J**	--	--	--
			6.9 - 7.9	--	**3.8 J**	--	--	**18.1**	**87.8**	--	--	--	--	--	--	--	**29 J**	--	--	--

Table 1 - Soil Analytical Data

Asenic CSM Memorandum | Glacier Northwest, Inc. Site

				Metals														Total Petroleum Hydrocarbons (TPH)		
				Antimony	Arsenic	Cadmium	Chromium (hexavalent)	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Zinc	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Glacier Site-Specific Saturated Preliminary SL				5.2	7.3	0.77	0.031	260	36	81	0.07	48	0.78	0.61	0.0044	2,100,000	85	100	2,000	2,000
Glacier Site-Specific Unsaturated Preliminary SL				81	7.3	0.77	0.62	260	36	450	0.07	48	7.4	0.61	0.088	2,100,000	100	100	2,000	2,000
Site	Location	Date	Depth (ft bgs)																	
Glacier Northwest, Inc. Site	TB-02B	01/13/14	0.5 - 2.5	--	10.3	--	--	47	148	--	--	--	--	--	--	--	134	--	--	--
			8 - 9.5	--	8	--	--	54.2	336	--	--	--	--	--	--	--	62	--	--	--
			9.5 - 10.5	--	10.9	--	--	57.4	442	--	--	--	--	--	--	--	67	--	--	--
	TB-03D	01/13/14	4.25 - 7	--	81.1	--	--	41.2	211	--	--	--	--	--	--	--	146	--	--	--
			7 - 9	--	16	--	--	10.4	26.6	--	--	--	--	--	--	--	28	--	--	--
			12.6 - 13.6	--	10.5	--	--	18.3	22.6	--	--	--	--	--	--	--	57	--	--	--
	TB-04A	01/13/14	0.5 - 1.25	--	92.4	--	--	30.8	265	--	--	--	--	--	--	--	102	--	--	--
			1.25 - 3	--	18.6	--	--	7.3	17.6	--	--	--	--	--	--	--	14	--	--	--
			7.1 - 8.1	--	23.1	--	--	20.6	41	--	--	--	--	--	--	--	27	--	--	--
	TB-05B	01/15/14	2.4 - 5	--	44.8	--	--	50.5	340	--	--	--	--	--	--	--	85 J	--	--	--
			13.6 - 15.6	--	1,160 J	--	--	37.1 J	322 J	--	--	--	--	--	--	--	95 J	--	--	--
			18.2 - 19.2	--	148	--	--	18.6	74.3	--	--	--	--	--	--	--	154 J	--	--	--
	TB-06A	01/14/14	1.5 - 1.5	--	6.4 J	--	173	167	17	--	--	--	--	--	--	--	50 J	--	--	--
			5 - 6	--	60 J	--	<0.451 U	<50 U	337,000	--	--	--	--	--	--	--	190 J	--	--	--
	TB-06C	01/14/14	1.25 - 4.6	--	31.3 J	--	--	37.9 J	92	--	--	--	--	--	--	--	68	--	--	--
	TB-06E	01/15/14	3.4 - 5	--	13	--	--	33	61.2	--	--	--	--	--	--	--	76 J	--	--	--
			8.8 - 10.6	--	74.3	--	<0.478 UJ	23.7	155	--	--	--	--	--	--	--	136 J	--	--	--
	TB-06F	01/24/14	14 - 16	--	162	--	<0.492 U	38.5	191	--	--	--	--	--	--	--	98	--	--	--
			20 - 22	--	13.1	--	--	11.6	10.6	--	--	--	--	--	--	--	30	--	--	--
	TB-07	01/24/14	0 - 1	--	8.4	--	--	29	243	--	--	--	--	--	--	--	148	--	--	--
	TP-1 (95)	11/30/95	4 - 5	--	77	--	--	--	--	--	--	--	--	1.5	--	--	--	--	--	--
	TP-2 (95)	11/30/95	4 - 5	--	<21 U	--	--	--	--	--	--	--	--	<1.4 U	--	--	--	--	--	--
			5 - 6	--	<17 U	--	--	--	--	--	--	--	--	<1.2 U	--	--	--	--	--	--
	TP-3 (95)	11/30/95	2 - 3	--	<15 U	--	--	--	--	--	--	--	--	<0.99 U	--	--	--	--	--	--
			3 - 4	--	50	--	--	--	--	--	--	--	--	<2.1 U	--	--	--	--	--	--
			5 - 6	--	<22 U	--	--	--	--	--	--	--	--	<1.4 U	--	--	--	<20 U	<50 U	<100 U
	TP-4 (95)	12/01/95	0 - 1	--	36	--	--	--	--	--	--	--	--	<1 U	--	--	--	--	--	--
	TP-5 (95)	12/01/95	2 - 3	--	<16 U	--	--	--	--	--	--	--	--	<1 U	--	--	--	--	--	--
	TP-6	12/01/95	0 - 1	--	48	--	--	--	--	--	--	--	--	<1.1 U	--	--	--	--	--	--
	TP-7	12/01/95	2 - 3	--	<19 U	--	--	--	--	--	--	--	--	<1.3 U	--	--	--	--	--	--
	TP-8	11/30/95	2 - 3	--	<23 U	--	--	--	--	--	--	--	--	<1.5 U	--	--	--	--	--	--
	TP-9	11/30/95	3 - 4	--	<24 U	--	--	--	--	--	--	--	--	<1.6 U	--	--	--	--	--	--
			5 - 6	--	28	--	--	--	--	--	--	--	--	<1.3 U	--	--	--	--	--	--
	TP-10	11/30/95	2 - 3	--	<18 U	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--
			6 - 7	--	<16 U	--	--	--	--	--	--	--	--	<1.1 U	--	--	--	--	--	--
	TP-11	12/01/95	3 - 4	--	15	--	--	--	--	--	--	--	--	<0.96 U	--	--	--	--	--	--
			3 - 7	--	<17 U	--	--	--	--	--	--	--	--	<1.1 U	--	--	--	--	--	--
	TP-12	12/01/95	6 - 7	--	30	--	--	--	--	--	--	--	--	<1.1 U	--	--	--	--	--	--
	TP-13	12/01/95	6 - 7	--	120	--	--	--	--	--	--	--	--	<1.1 U	--	--	--	--	--	--
	TP-14	12/01/95	3 - 4	--	90	--	--	--	--	--	--	--	--	<1.5 U	--	--	--	--	--	--

Notes:

Preliminary SL = Site-specific preliminary screening levels developed for the Glacier Northwest, Inc. Site from Ecology's Preliminary Cleanup Level Workbook. Refer to text.
Only locations/samples that were analyzed for metals and/or TPH are shown.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface
-- = Not analyzed
J = Result is an estimate
U = Analyte not detected at or above the reporting limit shown
UJ = Analyte not detected at or above the reporting limit shown, and the reporting limit is an estimate
R = Result rejected during data validation
Bold = detected
Light Green Shaded = Analyte exceeded the Unsaturated Soil Preliminary SL
Dark Green Shaded = Analyte exceeded the Saturated Soil Preliminary SL (generally more conservative if the Saturated Soil Preliminary SL differs from the Unsaturated Soil Preliminary SL)

			Metals																										Total Petroleum Hydrocarbons (TPH)		
			Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Cadmium	Cadmium, Dissolved	Chromium (hexavalent)	Chromium (hexavalent), Dissolved	Chromium	Chromium, Dissolved	Copper	Copper, Dissolved	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Silver	Silver, Dissolved	Thallium	Thallium (filtered)	Tin	Tin, Dissolved	Zinc	Zinc, Dissolved	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Glacier Site-Specific Preliminary SL			90	90	8	8	1.2	1.2	0.0016	0.0016	27	27	3.1	3.1	8.1	8.1	0.025	0.025	8.2	8.2	71	71	0.91	0.91	0.062	0.062			81	81	1,000	500	500
Site	**Location**	**Date**																															
Terminal 115 North Site	T115N-DP-1	10/29/09	**1.6**	**2.6**	**10**	**5.1**	<4.4 U	<4 U	<0.01 U	--	**44**	<2 U	**170**	**5.9**	**180**	**1.1**	<0.1 U	<0.1 U	**78**	<20 U	<5.6 U	<5 U	<11 U	<10 U	<5.6 U	<5 U	**0.049**	<0.01 U	**480**	**12**	<100 U	<260 U	**1,800**
	T115N-MW-1	11/05/09	**1.4**	**1.5**	**19**	**17**	<4.4 U	<4 U	<0.01 U	--	**11**	**6.6**	**22**	**4**	**68**	**3**	<0.1 U	<0.1 U	<22 U	<20 U	<5.6 U	<5 U	<11 U	<10 U	<5.6 U	<5 U	**0.16**	<0.01 U	**78**	**7.8**	<100 U	<220 U	<350 U
	T115N-MW-2	11/05/09	<1 U	<1 U	**20**	**19**	<4.4 U	<4 U	<0.01 U	--	**13**	<2 U	**59**	<1 U	**9.4**	<1 U	<0.1 U	<0.1 U	**54**	<20 U	<5.6 U	<5 U	<11 U	<10 U	<5.6 U	<5 U	<0.01 U	<0.01 U	**69**	**7.8**	--	--	--
		01/19/15	<5.4 U	<5.5 U	**46**	**13**	<0.2 U	<0.2 U	--	--	**12**	<2 U	**7.3**	<2 U	**1.5**	<1 U	<0.5 U	<0.5 U	**24**	**9.4**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	**270**	<400 U
	T115N-MW-2D	06/13/14	<5.4 U	<5.5 U	**3.6**	<3.3 U	<0.2 U	<0.2 U	--	--	**2.2**	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**4.4**	**3.1**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		09/22/14	<5.4 U	<5.5 U	<3.3 U	**1.6**	<0.2 U	<0.2 U	--	--	**3.2**	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**3.9**	**2.8**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		01/19/15	<5.4 U	<5.5 U	<3.3 U	<3.3 U	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**2.7**	**2.4**	<6 U	<6 U	<1 U	<2.5 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		04/21/15	<5.6 U	<5.5 U	<3.3 U	<3.3 U	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**3.3**	<2 U	<5.4 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
	T115N-MW-3	11/06/09	<1 U	<1 U	**11**	**15**	<11 U	<4 U	<0.01 U	--	**8.2**	**11**	**5.7**	**1.7**	**5.5**	<1 U	<0.1 U	<0.1 U	**26**	**26**	<10 U	<11 U	<11 U	<10 U	<5.6 U	<5 U	**0.032**	<0.01 U	**40**	**39**	--	--	--
		06/11/14	<5.5 U	<5.5 U	**32**	**29**	<0.2 U	<0.2 U	--	--	**4.1**	**3.6**	<2 U	<2 U	<1 U	<1 U	<2.5 U	<0.5 U	**19**	**18**	<10 U	<10 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	**4,100**	**3,700**
		01/19/15	<5.5 U	<5.5 U	**43**	**25**	<0.2 U	<0.2 U	--	--	**5.4**	**4**	<2 U	<2 U	**2.9**	<1 U	<0.5 U	<0.5 U	**21**	**22**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.013**	<0.005 U	<55 U	<55 U	<100 U	**4,600**	**5,500**
		04/22/15	<5.4 U	<5.5 U	**20**	**27**	<0.2 U	<0.2 U	--	--	**2.5 J**	**2.6**	**3.6**	<2 U	**1.2**	<1 U	<0.5 U	<0.5 U	**6.5**	**6.8**	<6 U	<6.3 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	**140**	**150**	<100 U	**2,000**	**2,700**
	T115N-MW-4	11/05/09	**38**	**13**	**1,900**	**1,400**	**7.3**	**4.2**	<0.05 U	--	**1,100**	**520**	**310**	**120**	**460**	**470**	**0.94**	**0.79**	**500**	**410**	<33 U	<20 U	<11 U	<10 U	<5.6 U	<5 U	**0.39**	**0.057**	**760**	**460**	--	--	--
		06/11/14	**27**	**25**	**1,400**	**1,600**	**4.7**	**4.4**	--	--	**1,000**	**1,100**	**230**	**210**	**400**	**410**	**0.49**	**0.66**	**390**	**420**	<30 U	<35 U	**5**	**5.2**	<2 U	<2 U	**0.39**	**0.41**	**410**	**420**	--	--	--
		09/25/14	**27**	**30**	**1,700**	**1,700 J**	**5.1**	**5.8**	--	--	**1,200**	**1,200**	**250**	**250**	**480**	**490**	**0.87**	**1**	**400**	**410**	<40 U	<40 U	**4.5**	**5.4**	<2 U	<2 U	**0.46**	**0.47**	**540**	**570**	--	**9,100 J**	**26,000 J**
		01/22/15	**23**	**27**	**1,500**	**1,400**	**4.7**	**4.8**	--	--	**1,100**	**1,000**	**210**	**200**	**370**	**370**	<0.5 U	<0.5 U	**420**	**390**	<20 U	<35 U	**6**	**5.4**	<2 U	<2 U	**0.4**	**0.42**	**600**	**650**	--	**16,000**	**17,000**
		04/22/15	**28**	**26**	**1,600**	**1,400**	**4.9**	**5.3**	--	--	**1,200 J**	**1,100**	**240**	**220**	**470**	**410**	**0.96**	<0.5 U	**430**	**430**	<30 U	<20 U	**5.1**	<5 U	<2 U	<2 U	**0.52**	**0.4**	**590**	**540**	--	**18,000**	**39,000**
	T115N-MW-4D	06/11/14	<5.5 U	<5.5 U	**7.8 J**	**8.4**	<0.2 U	<0.2 U	--	--	**15**	**14**	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	**2.7**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		09/23/14	<5.5 U	<5.5 U	**3.6 J**	**7.4**	<0.2 U	<0.2 U	--	--	**15**	**14**	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
			<5.5 U	<5.5 U	**6.6**	**6.5**	<0.2 U	<0.2 U	--	--	**15**	**14**	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	**260**	<330 U
		01/22/15	<5.5 U	<5.5 U	**7**	**7.1**	<0.2 U	<0.2 U	--	--	**15**	**14**	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	**290**	<330 U
			<5.5 U	<5.5 U	**8**	**7**	<0.2 U	<0.2 U	--	--	**16**	**15**	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<55 U	<55 U	--	**260**	<400 U
			<5.5 U	<5.5 U	**8.2**	**6.8**	<0.2 U	<0.2 U	--	--	**17**	**15**	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<55 U	<55 U	--	**290**	<400 U
		04/22/15	<5.6 U	<5.5 U	**6.5**	**6.7**	<0.2 U	<0.2 U	--	--	**13**	**13**	<2 UJ	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	**2.2**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<58 U	<56 U	--	<250 U	<400 U
			<5.6 U	<5.5 U	**5.8**	**6.1**	<0.2 U	<0.2 U	--	--	**14**	**13**	**6 J**	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<58 U	<56 U	--	**280**	<400 U
	T115N-MW-5	11/05/09	**12**	**11**	**760**	**820**	<11 U	<4 U	<0.05 U	--	**410**	**410**	**53**	**49**	**32**	**32**	**0.27**	**0.26**	**1,000**	**1,400**	<25 U	<25 U	<11 U	<10 U	<5.6 U	<5 U	**0.99**	**0.64**	**63**	**61**	--	--	--
		11/06/09	**13**	**6.9**	**790**	**640**	<11 U	<4 U	<0.05 U	--	**430**	**460**	**55**	**77**	**34**	**27**	**0.31**	**0.19**	**1,200**	**970**	<25 U	<25 U	<28 U	<10 U	<14 U	<5 U	**1.3**	**0.4**	**75**	**81**	--	--	--
		06/11/14	**15**	**13**	**930**	**960**	**1**	<0.8 U	--	--	**740**	**770**	**61**	**31**	**52**	**22**	<0.5 U	<0.5 U	**850**	**800**	<40 U	<40 U	**5.3**	**5.1**	<2 U	<2 U	**1.5**	**1.4**	<56 U	<56 U	**130**	**7,200**	**15,000**
		01/20/15	**15**	**12**	**940**	**720**	**0.8**	**0.63**	--	--	**840**	**850**	**36**	**24**	**25**	**3.5 J**	<0.5 U	<0.5 U	**780**	**630**	<35 U	<25 U	**6.5**	**7.1**	<2 U	<2 U	**1.5**	**1.6**	<55 U	<56 U	<100 U	**12,000**	**19,000**
	T115N-MW-6	11/05/09	<1 U	<1 U	**21**	**18**	<4.4 U	<4 U	<0.01 U	--	**44**	**13**	**6.2**	**8.9**	**22**	**4.1**	<0.1 U	<0.1 U	**41**	**16**	<5.6 U	<5 U	<11 U	<10 U	<5.6 U	<5 U	<0.01 U	<0.01 U	**140**	**26**	--	--	--
		09/25/14	<5.5 U	<5.5 U	**9.3**	**8.3 J**	<0.2 U	<0.2 U	--	--	**17**	**5.4**	**12**	<2 U	**4.1**	<1 U	<0.5 U	<0.5 U	**11**	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	**310**	<340 U
		01/19/15	<5.5 U	<5.5 U	**8.3**	**7.7**	<0.2 U	<0.2 U	--	--	**13**	**4.8**	**7.7**	**3**	**3.4**	**1.4**	<0.5 U	<0.5 U	**10**	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<55 U	<55 U	<100 U	**340**	<400 U
		04/23/15	<5.4 U	<5.6 U	**6.6**	**6.9**	<0.2 U	<0.2 U	--	--	**13**	**3.7**	**7.7**	<2 U	**3**	<1 U	<0.5 U	<0.5 U	**9.1**	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	**250**	<400 U
	T115N-MW-7	11/04/09	**39**	**37**	**620**	**590**	<4.4 U	<4 U	<0.05 U	--	**100**	**69**	**40**	**4.8**	**220**	**40**	<0.1 U	<0.1 U	**64**	**52**	<8.9 U	<7.2 U	<11 U	<10 U	<5.6 U	<5 U	**0.0081**	<0.01 U	**230**	**66**	--	--	--
		06/12/14	**80**	**6.3**	**940**	**280**	**1**	<0.2 U	--	--	**170**	**79**	**27**	**4.2**	**94**	**7.6**	<0.5 U	<0.5 U	**55**	**47**	<6 U	<6 U	**1.5**	<1 U	<2 U	<2 U	**0.05**	**0.0063**	**110**	**67**	<100 U	**580**	**750**
		09/24/14	**100**	**110**	**1,100**	**1,100**	**1.7**	**2**	--	--	**180**	**180**	**44**	**39**	**180**	**170**	<0.5 U	<0.5 U	**84**	**83**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.041**	**0.04**	**180**	**160**	<100 U	**400 J**	<400 UJ
		01/21/15	**70**	**65**	**880**	**890**	**1.3**	**0.99**	--	--	**180**	**180**	**31**	**26**	**110**	**95**	<0.5 U	<0.5 U	**61**	**59**	**8.6**	**7.3**	<1 U	<1 U	<2 U	<2 U	**0.054**	**0.049**	**140**	**120**	<100 U	**700**	**1,000**
		04/23/15	**51**	**77**	**750**	**880**	**0.88**	**0.85**	--	--	**140**	**190**	**20**	**27**	**76**	**89**	<0.5 U	<0.5 U	**46**	**50**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.045**	**0.06**	**100**	**110**	<100 U	**590 J**	**820 J**
	T115N-MW-8	11/04/09	<1 U	<1 U	**11**	**12**	<4.4 U	<4 U	<0.01 U	--	**2.8**	**3.2**	**2.1**	<1 U	**2.8**	<1 U	<0.1 U	<0.1 U	<22 U	<20 U	<5.6 U	<5 U	<11 U	<10 U	<5.6 U	<5 U	<0.01 U	<0.01 U	**32**	**10**	--	--	--
		06/12/14	<5.4 U	<5.5 U	**7.9**	**5.3**	<0.2 U	<0.2 U	--	--	**4**	<2 U	**6.2**	<2 U	**5.6**	<1 U	<0.5 U	<0.5 U	**3.1**	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		09/26/14	<5.4 U	<5.5 U	**5.6**	**4.7**	<0.2 U	<0.2 U	--	--	**2.3**	<2 U	<2 U	<2 U	**1.3**	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	<210 U	<340 U
		01/21/15	<5.4 U	<5.5 U	**6.3**	**7.3**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	<250 U	<400 U
		04/23/15	<5.4 U	<5.6 U	**5.1**	**4.6**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	<250 U	<400 U

Table 2 - Groundwater Analytical Data

Arsenic CSM Memo | Glacier Northwest, Inc. Site

DRAFT

			Metals																										Total Petroleum Hydrocarbons (TPH)		
			Antimony µg/L	Antimony, Dissolved µg/L	Arsenic µg/L	Arsenic, Dissolved µg/L	Cadmium µg/L	Cadmium, Dissolved µg/L	Chromium (hexavalent) mg/L	Chromium (hexavalent), Dissolved mg/L	Chromium µg/L	Chromium, Dissolved µg/L	Copper µg/L	Copper, Dissolved µg/L	Lead µg/L	Lead, Dissolved µg/L	Mercury µg/L	Mercury, Dissolved µg/L	Nickel µg/L	Nickel, Dissolved µg/L	Selenium µg/L	Selenium, Dissolved µg/L	Silver µg/L	Silver, Dissolved µg/L	Thallium µg/L	Thallium (filtered) µg/L	Tin mg/L	Tin, Dissolved mg/L	Zinc µg/L	Zinc, Dissolved µg/L	Gasoline Range Organics µg/L	Diesel Range Organics µg/L	Oil Range Organics µg/L
Glacier Site-Specific Preliminary SL			90	90	8	8	1.2	1.2	0.0016	0.0016	27	27	3.1	3.1	8.1	8.1	0.025	0.025	8.2	8.2	71	71	0.91	0.91	0.062	0.062			81	81	1,000	500	500
Site	**Location**	**Date**																														
Terminal 115N Site	T115N-MW-9	11/04/09	<1 U	<1 U	**160**	**180**	<4.4 U	<4 U	<0.01 U	--	<2 U	**2.5**	**1.3**	<1 U	<1 U	<1 U	<0.1 U	<0.1 U	<22 U	<20 U	<5.6 U	<5 U	<11 U	<10 U	<5.6 U	<5 U	<0.01 U	<0.01 U	**13**	<5 U	--	--	--
		06/13/14	<5.4 U	<5.5 U	**190**	**180**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	**8.3**	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**10**	**10**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		09/25/14	<5.4 U	<5.5 U	**170**	**180 J**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**11**	**12**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	<200 U	<330 U
		01/20/15	<5.4 U	<5.5 U	**350**	**290**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**3.7**	**3.9**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	<250 U	<400 U
		04/20/15	<5.4 U	<5.5 U	**510**	**480**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**4.2**	**4.1**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	<250 U	<400 U
	T115N-MW-10	11/04/09	<1 U	**1.5**	**6.9**	**6**	<4.4 U	<4 U	<0.01 U	--	**5.4**	<2 U	**13**	**5.9**	**86**	**2.5**	<0.1 U	<0.1 U	<22 U	<20 U	<5.6 U	<5 U	<11 U	<10 U	<5.6 U	<5 U	**0.48**	**0.012**	**53**	<5 U	--	--	--
		06/09/14	<5.4 U	<5.5 U	**7.3**	**6.9**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	**5.3**	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.05**	**0.0067**	<56 U	<56 U	--	--	--
		09/23/14	<5.5 U	<5.5 U	**6.9**	**7.2**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	**2**	<2 U	**3.3**	**1.1**	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.031**	**0.012**	<56 U	<56 U	<100 U	<200 U	<330 U
		01/20/15	<5.4 U	<5.5 U	<3.3 U	<3.3 U	<0.2 U	<0.2 U	--	--	<2 U	<2 U	**2.1**	<2 U	**3.5**	**1**	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.018**	<0.005 U	<56 U	<56 U	<100 U	<250 U	<400 U
		04/23/15	<5.6 U	<5.6 U	<3.3 U	<3.3 U	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	**6.7**	**2.2**	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.074**	**0.0077**	<56 U	<56 U	<100 U	<250 U	<400 U
	T115N-MW-10D	06/09/14	<5.5 U	<5.5 U	**31**	**26**	<0.2 U	<0.2 U	--	--	**20**	**15**	<2 U	<2 U	**1.7**	<1 U	<0.5 U	<0.5 U	**2.8**	**2.4**	<6 U	<7.5 U	<1 U	<0.5 U	<2 U	<2 U	**0.023**	**0.0068**	<56 U	<56 U	--	--	--
		09/23/14	<5.5 U	<5.5 U	**25**	**26**	<0.2 U	<0.2 U	--	--	**12**	**13**	<2 U	<2 U	**1.7**	<1 U	<0.5 U	<0.5 U	**2.6**	**2**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.017**	<0.005 U	<56 U	<56 U	<100 U	**270**	<330 U
		01/20/15	<5.4 U	<5.5 U	**32**	**27**	<0.2 U	<0.2 U	--	--	**25**	**22**	**2.7**	<2 U	**6**	<1 U	<0.5 U	<0.5 U	**4.1**	**3.1**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.077**	**0.007**	<56 U	<56 U	<100 U	<250 U	<400 U
		04/23/15	<5.6 U	<5.6 U	**34**	**35**	<0.2 U	<0.2 U	--	--	**26**	**27**	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**2.5**	**3.6**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.022**	**0.013**	<56 U	<56 U	<100 U	<250 U	<400 U
	T115N-MW-11	06/13/14	<5.4 U	<5.5 U	**5.9**	**5.4**	<0.2 U	<0.2 U	--	--	**2.1**	<2 U	**3.3**	<2 U	**1.1**	<1 U	<0.5 U	<0.5 U	**11**	**7.6**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		01/22/15	<5.4 U	<5.5 U	<3.3 U	<3.3 U	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**5**	**3.9**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		04/20/15	<5.4 U	<5.5 U	**4.1**	**4.1**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	**1.2**	<1 U	<0.5 U	<0.5 U	**6.1**	**3.3**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
	T115N-MW-12	06/12/14	<5.4 U	<5.5 U	**5.5**	**5.4**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**2.6**	**2.6**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	<210 U	<340 U
		09/24/14	<5.4 U	<5.5 U	<3.3 U	<8.3 U	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**10**	**9.9**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	<210 U	<330 U
		01/22/15	<5.4 U	<5.5 U	<3.3 U	<3.3 U	<0.2 U	<0.2 U	--	--	<2 U	<2 U	**3**	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**10**	**7.7**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	<250 U	<400 U
		04/20/15	<5 U	<5.5 U	<3 U	**12**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	**10**	**8**	<1 U	<1 U	<0.5 U	<0.5 U	**2.5**	**3.8**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	**0.0077**	<56 U	<56 U	<100 U	<250 U	<400 U
	T115N-MW-13	06/12/14	<5.5 U	<5.5 U	**18**	**16**	<0.2 U	<0.2 U	--	--	**4.1**	**4.1**	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	**2.4**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.012**	**0.0068**	<56 U	<56 U	<100 U	**510**	**1,100**
		09/25/14	<5.5 U	<5.5 U	**20**	**22 J**	<0.2 U	<0.2 U	--	--	**4.6**	**4.4**	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**2.3**	**2.6**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.011**	**0.007**	<56 U	<56 U	<100 U	**460**	**790**
		01/22/15	<5.5 U	<5.5 U	**15**	**15**	<0.2 U	<0.2 U	--	--	**2.7**	**3.3**	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	**2.1**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.013**	**0.011**	<55 U	<55 U	<100 U	**480 J**	**900 J**
		04/20/15	<5 U	<5.5 U	**11**	**9.4**	<0.2 U	<0.2 U	--	--	**2.2**	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	**3.3**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.0073**	**0.0061**	<56 U	<56 U	<100 U	**630**	**950**
	T115N-MW-14	06/10/14	<5.4 U	<5.5 U	**4,500**	**4,200**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		01/21/15	<5.4 U	<5.5 U	**7,800**	**7,900**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	<250 U	<400 U
		04/21/15	<5.4 U	<5.5 U	**5,100**	**4,200**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	<250 U	<400 U
	T115N-MW-15	06/10/14	<5.5 U	<5.5 U	**64**	**68**	**0.22**	<0.2 U	--	--	**9.7**	**7.4**	**30**	**11**	**110**	**38**	<0.5 U	<0.5 U	**25**	**22**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.043**	**0.019**	<56 U	<56 U	--	--	--
		09/23/14	<5.5 U	<5.5 U	**71**	**78**	<0.5 U	<0.5 U	--	--	**13**	**16**	**11**	**9.3**	**53**	**38**	<0.5 U	<0.5 U	**24**	**24**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.023**	**0.025**	<56 U	<56 U	--	--	--
		01/21/15	<5.5 U	<5.5 U	**160**	**140**	<0.2 U	<0.2 U	--	--	**24**	**29**	**4.2**	**2.8**	**9.9**	**5.3**	<0.5 U	<0.5 U	**44**	**41**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.03**	**0.03**	<55 U	<55 U	--	--	--
		04/21/15	<5 U	<5.5 U	**64**	**76**	<0.2 U	<0.2 U	--	--	**9.9**	**13**	**3.7**	**3.3**	**15**	**8.1**	<0.5 U	<0.5 U	**27**	**29**	<5 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.03**	**0.031**	<56 U	<56 U	--	--	--
	T115N-MW-16	06/11/14	**17**	**17**	**440**	**480**	**0.32**	<0.2 U	--	--	**48**	**36**	**62**	**23**	**1,500**	**430**	<0.5 U	<0.5 U	**140**	**150**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**5.5**	**5.6**	<56 U	<56 U	--	--	--
		09/23/14	**15**	**17**	**160**	**180**	**0.3**	**0.4**	--	--	**40**	**36**	**55**	**56**	**1,700**	**1,600**	<0.5 U	<0.5 U	**42**	**47**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**2.5**	**3.5**	**56**	<56 U	--	--	--
		01/22/15	**10**	**11**	**140**	**130**	<0.2 U	<0.2 U	--	--	**19**	**16**	**20**	**14**	**370**	**280**	<0.5 U	<0.5 U	**33**	**33**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**1.8**	**1.9**	<55 U	<55 U	--	--	--
		04/20/15	**9.3**	**6.5**	**160**	**170**	<0.2 U	<0.2 U	--	--	**20**	**17**	**22**	**16**	**540**	**380**	<0.5 U	<0.5 U	**49**	**59**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**1.6**	**2.1**	<56 U	<56 U	--	--	--
	T115N-MW-17	06/09/14	<5.4 U	<5.5 U	**11**	**9.6**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	**3.6**	**2.1**	<1 U	<1 U	<0.5 U	<0.5 U	**6.8**	**4.5**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	<200 U	**350**
		09/22/14	<5.4 U	<5.5 U	**21**	**23**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**4**	**4.8**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	<200 U	**330**
		01/20/15	<5.4 U	<5.5 U	**8.9**	**8.2**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	**2.9**	**2.1**	<1 U	<1 U	<0.5 U	<0.5 U	**5.8**	**5.1**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	<250 U	<400 U
		04/22/15	<5.4 U	<5.5 U	**11**	**12**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	**2.2**	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**4.3**	**3.5**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	<250 U	<400 U
	T115N-MW-18	06/09/14	<5 U	<5.5 U	**170**	**190**	<0.8 U	<0.8 U	--	--	**110**	**120**	**6.9**	<4 U	**4.9**	<2 U	<0.5 U	<0.5 U	**76**	**80**	<12 U	<15 U	**4.3**	**4.8**	<2 U	<2 U	**0.13**	**0.13**	<56 U	<56 U	<100 U	**5,400**	**6,400 J**
		09/23/14	<10 U	<10 U	**380**	**560**	<1 U	<1 U	--	--	**290**	**320**	**10**	**14**	**7.6**	**19**	<0.5 U	<0.5 U	**180**	**220**	<30 U	<30 U	**5.5**	**6.5**	<2 U	<2 U	**0.37**	**0.52**	<56 U	<56 U	**250**	--	--
		01/22/15	<5.5 U	<5.5 U	**370**	**300**	<0.5 U	<0.5 U	--	--	**250**	**210**	**5.9**	**5.6**	**2.9**	**2.5**	<0.5 U	<0.5 U	**140**	**130**	<13 U	<13 U	**8.4**	**6.9**	<2 U	<2 U	**0.27**	**0.27**	<55 U	<55 U	<100 U	**5,700**	**6,600**
		04/20/15	<5 U	<5.5 U	**290**	**320**	<1 U	<1 U	--	--	**200**	**220**	<10 U	<10 U	<2 U	<2 U	<0.5 U	<0.5 U	**130**	**130**	<12 U	<15 U	<5 U	<5 U	<2 U	<2 U	**0.35**	**0.41**	<56 U	<56 U	<100 U	**9,700**	**11,000**

			Metals																									Total Petroleum Hydrocarbons (TPH)		
			Antimony µg/L	Antimony, Dissolved µg/L	Arsenic µg/L	Arsenic, Dissolved µg/L	Cadmium µg/L	Cadmium, Dissolved µg/L	Chromium (hexavalent) mg/L	Chromium (hexavalent), Dissolved mg/L	Chromium µg/L	Chromium, Dissolved µg/L	Copper µg/L	Copper, Dissolved µg/L	Lead µg/L	Lead, Dissolved µg/L	Mercury µg/L	Mercury, Dissolved µg/L	Nickel µg/L	Nickel, Dissolved µg/L	Selenium µg/L	Selenium, Dissolved µg/L	Silver µg/L	Silver, Dissolved µg/L	Thallium µg/L	Thallium (filtered) µg/L	Tin mg/L	Tin, Dissolved mg/L	Zinc µg/L	Zinc, Dissolved µg/L	Gasoline Range Organics µg/L	Diesel Range Organics µg/L	Oil Range Organics µg/L
Glacier Site-Specific Preliminary SL			90	90	8	8	1.2	1.2	0.0016	0.0016	27	27	3.1	3.1	8.1	8.1	0.025	0.025	8.2	8.2	71	71	0.91	0.91	0.062	0.062			81	81	1,000	500	500
Site	**Location**	**Date**																														
Terminal 115N Site	T115N-MW-19	06/09/14	<5.4 U	<5.5 U	**31**	**26**	<0.2 U	<0.2 U	--	--	**4.1**	**2.5**	<2 U	<2 U	**1.7**	<1 U	<0.5 U	<0.5 U	**15**	**15**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	**370**	**670**
		09/22/14	<5.4 U	<5.5 U	**34**	**36**	<0.2 U	<0.2 U	--	--	**4.8**	**3.4**	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**16**	**14**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	**620**	**960**
		01/20/15	<5.4 U	<5.5 U	**12**	**14**	<0.2 U	<0.2 U	--	--	**2.2**	<2 U	<2 U	<2 U	**2.1**	<1 U	<0.5 U	<0.5 U	**8.4**	**7.8**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.011**	<0.005 U	<56 U	<56 U	<100 U	<250 U	**420**
		04/22/15	<5.4 U	<5.5 U	**21**	**21**	<0.2 U	<0.2 U	--	--	**6.2 J**	**2.4**	**3**	<2 U	**3.8**	<1 U	<0.5 U	<0.5 U	**12**	**8.4**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	**0.016**	<0.005 U	<56 U	<56 U	<100 U	**400**	**670**
	T115N-MW-19D	06/09/14	<5.4 U	<5.5 U	**56**	**48**	<0.2 U	<0.2 U	--	--	**5.3**	<2 U	**5.6**	<2 U	**3.4**	<1 U	<0.5 U	<0.5 U	**5.3**	**3.1**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		09/22/14	<5.4 U	<5.5 U	**62**	**64**	<0.2 U	<0.2 U	--	--	**2.6**	<2 U	**3.7**	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**4.7**	**3.2**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	<210 U	**410**
		01/20/15	<5.4 U	<5.5 U	**55**	**59**	<0.2 U	<0.2 U	--	--	**2.4**	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**3.4**	**2.9**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	**270**	**400**
		04/22/15	<5.6 U	<5.5 U	**49**	**46**	<0.2 U	<0.2 U	--	--	**5.7 J**	<2 U	**4.4**	<2 U	**3.1**	<1 U	<0.5 U	<0.5 U	**9.8**	**2.4**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	<250 U	**440**
	T115N-MW-20	06/10/14	<5.4 U	<5.5 U	<3.3 U	<8.3 U	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**4.4**	**3.8**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	**380**	**800**
		09/22/14	<5.4 U	<5.5 U	**6.1**	**4.8**	<0.2 U	<0.2 U	--	--	**7.2**	<2 U	**5.1**	<2 U	**1.2**	<1 U	<0.5 U	<0.5 U	**10**	**2.7**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	**250**	**410**
		01/19/15	<5.4 U	<5.5 U	**4.6**	**5.1**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	**3.1**	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**3.7**	**3.4**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	**320**	**570**
		04/21/15	<5.4 U	<5.5 U	**4.4**	**3.5**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	**190**	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**33**	**2.3**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	<100 U	<250 U	**580**
Terminal 115 Plant 1 Site	T115P1-D-MW-1	11/06/24	--	--	**4.9**	**3.2**	<0.8 U	<0.4 U	--	--	**3.2**	**2.1**	--	--	<0.8 U	<0.4 U	**0.001**	<0.008 UJ	--	--	<2 U	<1 U	<0.8 U	<0.4 U	--	--	--	--	--	--	<200 U	<500 U	<500 U
	T115P1-D-MW-3	11/25/24	--	--	**9.6**	**9.2**	<0.4 U	<0.2 U	--	--	**7**	**5.5**	--	--	**1.9**	**0.69**	**0.0025**	**0.0017**	--	--	<1 U	**0.9**	<0.4 U	<0.2 U	--	--	--	--	--	--	**690**	**750**	<250 U
	T115P1-D-MW-4	11/25/24	--	--	**7**	**5.9**	<0.4 U	<0.2 U	--	--	**5.4**	**2.1**	--	--	**4.7**	**0.7**	**0.015**	**0.00092**	--	--	<1 U	**0.6**	<0.4 U	<0.2 U	--	--	--	--	--	--	<200 U	<500 U	<500 U
	T115P1-D-MW-5	11/04/24	--	--	--	--	--	--	--	--	--	--	--	--	**0.38**	<0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<100 U	**96**	<250 U
	T115P1-D-MW-7	11/25/24	--	--	**50**	**57**	<0.4 U	<0.2 U	--	--	**1.1**	**1.1**	--	--	**1.9**	**0.89**	**0.0094**	**0.0064**	--	--	**5.4**	**5.6**	<0.4 U	<0.2 U	--	--	--	--	--	--	<200 U	<50 U	<250 U
	T115P1-D-MW-8	11/06/24	--	--	**29**	**29**	<0.2 U	<0.2 U	--	--	**0.68**	**0.22**	--	--	**1.4**	**0.9**	<0.008 U	**0.0048 J**	--	--	**3.1**	**2.7**	<0.2 U	<0.2 U	--	--	--	--	--	--	<200 U	**500**	<250 U
	T115P1-D-MW-9D	11/07/24	--	--	**21**	**19**	**0.25**	**0.23**	--	--	**13**	**8.6**	--	--	**5.5**	<0.2 U	**0.0028 J**	**0.0015**	--	--	**5.7**	**7.2 J**	<0.2 U	<0.2 U	--	--	--	--	--	--	<100 U	**76**	<250 U
	T115P1-E-MW-1	11/06/24	--	--	**19**	**20**	<0.2 U	<0.2 U	--	--	**6.1**	**5.8**	<1 U	<1 U	<0.2 U	<0.2 U	**0.0029**	**0.002 J**	--	--	--	--	<0.2 U	<0.2 U	--	--	--	--	<1 U	<1 U	<200 U	<500 U	<500 U
	T115P1-E-MW-2	11/25/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<200 U	<500 U	<500 U
	T115P1-E-MW-3	11/06/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<100 U	**160**	<250 U
	T115P1-E-MW-4	12/06/24	--	--	--	--	--	--	--	--	--	--	--	--	**0.58**	**0.32**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<100 U	**150**	**290**
	T115P1-E-MW-5	11/06/24	--	--	**95**	**96**	<0.2 U	<0.2 U	--	--	**1.6**	**1.1**	<1 U	<1 U	<0.2 U	<0.2 U	<0.008 U	<0.008 UJ	--	--	--	--	<0.2 U	<0.2 U	--	--	--	--	**1.3**	**1.7**	<200 U	<500 U	<500 U
	T115P1-E-MW-5D	11/06/24	--	--	**23**	**14**	**0.7**	<0.4 U	--	--	**64**	**46**	**8.5**	**2.8**	**6.7**	<0.8 U	<0.008 U	<0.0008 UJ	--	--	--	--	<0.4 U	<0.4 U	--	--	--	--	**16**	**7.4**	<200 U	<500 U	<500 U
	T115P1-E-MW-6	11/25/24	--	--	**26**	**27**	<0.4 U	<0.4 U	--	--	**3.6**	**2.8**	**4.5**	**3.3**	**1**	**4.9**	**0.0044**	**0.0036**	--	--	--	--	<0.4 U	<0.4 UJ	--	--	--	--	**5.6**	**3.5**	<200 U	<500 U	<500 U
	T115P1-E-MW-7	11/07/24	--	--	**8**	**7.6**	<0.2 U	<0.2 U	--	--	**8.9**	**9.4**	--	--	<0.2 U	<0.2 U	**0.0039 J**	**0.003**	--	--	**1.1**	**1.2 J**	<0.2 U	<0.2 U	--	--	--	--	--	--	<200 U	<500 U	<500 U
	T115P1-E-MW-9	11/06/24	--	--	**1**	**10**	<0.2 U	<0.2 U	--	--	**1.5**	**1.3**	<1 U	<1 U	<0.2 U	<0.2 U	<0.008 U	<0.008 UJ	--	--	--	--	<0.2 U	<0.2 U	--	--	--	--	<1 U	**1.1**	<200 U	<500 U	<500 U
	T115P1-E-MW-9D	11/06/24	--	--	**34**	**33**	<0.2 U	<0.2 U	--	--	**6.6**	**1.9**	**7.8**	<1 U	**1.6**	<0.2 U	**0.012**	**0.0011 J**	--	--	--	--	<0.2 U	<0.2 U	--	--	--	--	**9.9**	**2.1**	<200 U	<500 U	<500 U
	T115P1-E-MW-10	11/07/24	--	--	**5.1**	**4.5**	<0.2 U	<0.2 U	--	--	**1.1**	**1.2**	--	--	<0.2 U	**0.25**	**0.0014 J**	**0.0008**	--	--	**1**	**1 J**	<0.2 U	<0.2 U	--	--	--	--	--	--	<200 U	<500 U	<500 U

DRAFT

			Metals																								Total Petroleum Hydrocarbons (TPH)		
			Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Cadmium	Cadmium, Dissolved	Chromium (hexavalent)	Chromium (hexavalent), Dissolved	Chromium	Chromium, Dissolved	Copper	Copper, Dissolved	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Silver	Silver, Dissolved	Thallium	Thallium (filtered)	Tin	Tin, Dissolved	Zinc	Zinc, Dissolved	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Glacier Site-Specific Preliminary SL			90	90	8	8	1.2	1.2	0.0016	0.0016	27	27	3.1	3.1	8.1	8.1	0.025	0.025	8.2	8.2	71	71	0.91	0.91	0.062	0.062			81	81	1,000	500	500
Site	**Location**	**Date**																															
Glacier Northwest, Inc. Site	MW-1D	12/11/95	--	--	**11**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2 U	--	--	--	--	--	--	--	--	--
		03/23/09	--	--	**12.4**	**11.6**	--	--	--	--	**7.6**	**8.2**	**3.5**	**0.93 J**	--	--	--	--	--	--	--	--	<0.085 U	<0.028 U	--	--	--	--	**5.9 J**	**4.8 J**	--	--	--
		04/27/10	--	--	**11.5**	**9.8**	--	--	--	--	**35.2**	**27**	**17.1**	**5.3**	--	--	--	--	--	--	--	--	<0.36 UJ	<0.071 U	--	--	--	--	<25 U	**3.5 J**	--	--	--
		10/27/10	--	--	**10.3**	**8.2**	--	--	--	--	**31.7**	**16.9**	**36.9**	**1.9**	--	--	--	--	--	--	--	--	<0.071 UJ	<0.071 U	--	--	--	--	**13.7**	**1.9 J**	--	--	--
		04/25/11	--	--	**10.9**	**9.6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/29/11	--	--	**9.2**	**8**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/25/12	--	--	**9.1**	**8.1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/14/14	--	--	**6.7**	**6.5**	--	--	--	<0.01 R	**20**	**12**	**14**	**4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/26/14	--	--	**6.6**	**6.4 J**	--	--	--	<0.01 R	**17**	**10**	**15**	**3**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		03/31/15	--	--	<8.7 U	**7.9**	--	--	--	<0.01 U	**18**	**11**	**14**	**6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/02/15	--	--	**7.9**	**7.1**	--	--	--	<0.003 U	**17**	**9**	**15**	**4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	<1 U	--	--	--
	MW-1S	12/11/95	--	--	**45**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2 U	--	--	--	--	--	--	--	--	--
		03/23/09	--	--	**10.7**	**8.89**	--	--	--	--	**0.458 J**	**0.17 J**	**0.608 J**	<2 U	--	--	--	--	--	--	--	--	<0.085 U	<0.028 U	--	--	--	--	**50.5**	**53.4**	--	--	--
		04/27/10	--	--	**15.7**	**8.9**	--	--	--	--	**0.47 J**	<0.24 U	**2.1**	**0.7**	--	--	--	--	--	--	--	--	**0.072 J**	<0.071 U	--	--	--	--	**37.1**	**26.9**	--	--	--
		10/27/10	--	--	**11**	**10.2**	--	--	--	--	**0.94**	**0.75**	**2.4**	**1.1**	--	--	--	--	--	--	--	--	<0.071 UJ	<0.071 U	--	--	--	--	**45.9**	**45.3 J**	--	--	--
		04/25/11	--	--	**9.2**	**8.4**	--	--	--	<0.01 U	<0.5 U	<0.5 U	**1.5**	**0.7**	--	--	--	--	--	--	--	--	<0.2 U	<0.2 U	--	--	--	--	**20**	**20**	<60 U	<20 U	<50 U
		11/29/11	--	--	**16.1**	**14.9**	--	--	--	<0.01 UJ	<1.9 U	**1**	**7**	**2**	--	--	--	--	--	--	--	--	<3 U	<3 U	--	--	--	--	**70**	**70**	**30 J**	**190**	<40 U
		04/25/12	--	--	**9.9**	**8.2**	--	--	--	<0.01 U	<0.5 U	<0.5 U	**1.8**	**0.9**	--	--	--	--	--	--	--	--	<0.2 U	<0.2 U	--	--	--	--	**29**	**22**	<11 U	<20 U	<40 U
		03/14/14	--	--	**9.4**	**8.6**	--	--	--	<0.01 R	<5 U	<5 U	**2**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**50**	**60**	--	--	--
		08/26/14	--	--	**3.2**	**3.6 J**	--	--	--	<0.01 R	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		03/31/15	--	--	<9.8 U	**8**	--	--	--	<0.01 U	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**40**	**40**	--	--	--
		09/02/15	--	--	**3**	**2.9**	--	--	--	<0.003 U	<1.2 U	<1.2 U	<0.9 U	<0.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	<1 U	--	--	--
		12/20/24	--	--	**29**	**25**	--	--	--	--	<1 UJ	<1 U	<5 UJ	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**24 J**	**22**	--	--	--
	MW-2D	12/11/95	--	--	**7**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2 U	--	--	--	--	--	--	--	--	--
		03/24/09	--	--	**11.8**	**12**	--	--	--	--	**31.1**	**3.6**	**8.6**	<0.079 U	--	--	--	--	--	--	--	--	**0.51 J**	<0.028 U	--	--	--	--	**54.8**	<10 U	--	--	--
		04/27/10	--	--	**20.5**	**21.4**	--	--	--	--	**6.6**	**5.5**	**1.3**	**0.25 J**	--	--	--	--	--	--	--	--	<0.071 UJ	<0.071 U	--	--	--	--	<5 U	**2.8 J**	--	--	--
		10/27/10	--	--	**28.8**	**28.4**	--	--	--	--	**7**	**5.5**	**1.4**	**0.24 J**	--	--	--	--	--	--	--	--	<0.071 UJ	<0.071 U	--	--	--	--	**1.5 J**	**3.2 J**	--	--	--
		04/26/11	--	--	**36.1**	**35.5**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/30/11	--	--	**34.3**	**36.6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/26/12	--	--	**35.7**	**35.3**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/13/14	--	--	**34.7**	**36**	--	--	--	--	**27**	**16**	**8**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/27/14	--	--	**34.6**	**33.5**	--	--	--	--	**25**	**16**	**5**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		04/02/15	--	--	**38.4**	**36.4**	--	--	--	--	**26**	**16**	**7**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/31/15	--	--	**33.4**	**34.9**	--	--	--	--	**18**	**17**	**2**	<0.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	<1 U	--	--	--
		12/20/24	--	--	**23**	**19**	--	--	--	--	**12 J**	**10**	<5 UJ	<10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<10 U	--	--	--

Table 2 - Groundwater Analytical Data

Arsenic CSM Memo | Glacier Northwest, Inc. Site

DRAFT

			Metals																									Total Petroleum Hydrocarbons (TPH)		
			Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Cadmium	Cadmium, Dissolved	Chromium (hexavalent)	Chromium (hexavalent), Dissolved	Chromium	Chromium, Dissolved	Copper	Copper, Dissolved	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Silver	Silver, Dissolved	Thallium	Thallium (filtered)	Tin	Tin, Dissolved	Zinc	Zinc, Dissolved	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Glacier Site-Specific Preliminary SL			90	90	8	8	1.2	1.2	0.0016	0.0016	27	27	3.1	3.1	8.1	8.1	0.025	0.025	8.2	8.2	71	71	0.91	0.91	0.062	0.062			81	81	1,000	500	500
Site	**Location**	**Date**																															
Glacier Northwest, Inc. Site	MW-2S	12/11/95	--	--	**200**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2 U	--	--	--	--	--	--	--	--	--
		01/30/96	--	--	**140**	**260**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/29/03	--	--	**190**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/24/09	--	--	**703**	**665**	--	--	--	--	<0.12 U	**0.52 J**	<0.52 U	<0.079 U	--	--	--	--	--	--	--	--	<0.085 U	<0.028 U	--	--	--	--	<10 U	<10 U	--	--	--
		04/27/10	--	--	**1,340**	**1,000**	--	--	--	--	**0.73**	<0.24 U	**0.49 J**	**0.31 J**	--	--	--	--	--	--	--	--	<0.071 UJ	<0.071 U	--	--	--	--	**3.2 J**	<1.3 U	--	--	--
		10/27/10	--	--	**190**	**202**	--	--	--	--	**0.48 J**	**0.48 J**	**1.1**	**0.52**	--	--	--	--	--	--	--	--	<0.071 UJ	<0.071 U	--	--	--	--	**4.6 J**	**2.2 J**	--	--	--
		04/26/11	--	--	**1,050**	**970**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/30/11	--	--	**462**	**499**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/26/12	--	--	**621**	**658**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/26/14	--	--	**332**	**291**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/27/14	--	--	**538**	**528**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		04/01/15	--	--	**264**	**268**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/31/15	--	--	**1,340**	**1,280**	--	--	--	--	<1.2 U	<1.2 U	<0.9 U	<0.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	<1 U	--	--	--
		12/20/24	--	--	**100**	**87**	--	--	--	--	<1 UJ	<1 U	<5 UJ	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<5 U	--	--	--
	MW-3D	12/11/95	--	--	**120 J**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2 U	--	--	--	--	--	--	--	--	--
		01/30/96	--	--	**160**	**380**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/23/09	--	--	**55**	**54.2**	--	--	--	--	**3.7**	**3.5**	**0.59 J**	**0.48 J**	--	--	--	--	--	--	--	--	<0.085 U	<0.028 U	--	--	--	--	**9.4 J**	**3.1 J**	--	--	--
		04/28/10	--	--	**31.1**	**31.1**	--	--	--	--	**3.7**	**3.3**	<0.2 U	<0.2 U	--	--	--	--	--	--	--	--	<0.071 UJ	<0.071 U	--	--	--	--	<5 U	<5 U	--	--	--
		10/28/10	--	--	**34.8**	**35.6**	--	--	--	--	**4.4**	**4.1**	**0.25 J**	<0.2 U	--	--	--	--	--	--	--	--	<0.071 UJ	<0.071 UJ	--	--	--	--	<1.3 U	<1.3 U	--	--	--
		04/27/11	--	--	**35.6**	**39.4**	--	--	--	--	**3.1**	**3.4**	**0.7**	<0.5 U	--	--	--	--	--	--	--	--	<0.2 U	<0.2 U	--	--	--	--	<4 U	<4 U	--	--	--
		12/01/11	--	--	**34.8**	**35.8**	--	--	--	--	<5 U	**4**	<2 U	<2 U	--	--	--	--	--	--	--	--	<3 U	<3 U	--	--	--	--	<10 U	<10 U	--	--	--
		04/27/12	--	--	**27.7**	**28.1**	--	--	--	--	**3.9**	**3.9**	**0.9**	**0.6**	--	--	--	--	--	--	--	--	<0.2 U	<0.2 U	--	--	--	--	<4 U	<4 U	--	--	--
		03/10/14	--	--	**32.6**	**33.2**	--	--	--	**0.01**	**5**	**6**	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/28/14	--	--	**28.2**	**29**	--	--	--	<0.01 UJ	<5 U	**5**	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		03/30/15	--	--	**39**	**38**	--	--	--	<0.01 U	**6**	**6**	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/02/15	--	--	**22.2**	**22.6**	--	--	--	<0.003 U	<1.2 U	<1.2 U	<0.9 U	<0.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	<1 U	--	--	--
		01/07/26	--	--	**49**	**46**	--	--	--	--	--	--	<1 U	<1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	<5 U	--	--	--
	MW-3S	12/11/95	--	--	**7,400**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2 U	--	--	--	--	--	--	--	--	--
		01/30/96	--	--	**2,200**	**6,000**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/29/03	--	--	**190**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/23/09	--	--	**604**	**601**	--	--	--	--	**0.351 J**	**0.37 J**	**0.584 J**	<2 U	--	--	--	--	--	--	--	--	<0.085 U	<0.028 U	--	--	--	--	<10 U	<10 U	--	--	--
		04/28/10	--	--	**445**	**442**	--	--	--	--	**0.64**	**0.62**	**2**	<0.2 U	--	--	--	--	--	--	--	--	<0.071 UJ	<0.071 U	--	--	--	--	<5 U	**3.1 J**	--	--	--
		10/28/10	--	--	**546**	**574**	--	--	--	--	**0.77**	**0.83**	**4.7**	**1.1**	--	--	--	--	--	--	--	--	<0.071 UJ	<0.071 UJ	--	--	--	--	<1.3 U	<1.3 U	--	--	--
		04/27/11	<0.2 U	<0.2 U	**480**	**460**	<0.1 U	<0.1 U	--	--	<0.5 U	<0.5 U	**2**	<0.5 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.8**	**0.8**	<0.5 U	<0.5 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	--	--	<4 U	<4 U	--	--	--
		12/01/11	<50 U	<50 U	**414**	**412**	<0.1 U	<0.1 U	--	--	<1 U	<1 U	**2**	<2 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**1**	**0.9**	<0.5 U	<0.5 U	<3 U	<3 UJ	<0.2 U	<0.2 U	--	--	<10 U	<10 U	--	--	--
		04/27/12	<0.2 U	<0.2 U	**387**	**383**	**0.1**	<0.1 U	--	--	<0.5 U	<0.5 U	**0.9**	**0.9**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.5 J**	**0.6**	<2 U	<2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	--	--	<4 U	<4 U	--	--	--
		03/10/14	--	--	**522**	**510**	--	--	--	<0.01 U	<5 U	<5 U	**2**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/25/14	--	--	**517**	**513**	--	--	--	<0.01 UJ	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		03/30/15	--	--	**455**	**468**	--	--	--	<0.01 U	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**10**	<10 U	--	--	--
		09/02/15	--	--	**521**	**503**	--	--	--	<0.003 U	<1.2 U	<1.2 U	<0.9 U	<0.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	<1 U	--	--	--
		01/07/26	--	--	**1,600**	**1,700**	--	--	--	--	--	--	<2 U	<10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<20 U	--	--	--

Table 2 - Groundwater Analytical Data

Arsenic CSM Memo | Glacier Northwest, Inc. Site

DRAFT

Glacier Northwest, Inc. Site

			Metals																									Total Petroleum Hydrocarbons (TPH)		
			Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Cadmium	Cadmium, Dissolved	Chromium (hexavalent)	Chromium (hexavalent), Dissolved	Chromium	Chromium, Dissolved	Copper	Copper, Dissolved	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Silver	Silver, Dissolved	Thallium	Thallium (filtered)	Tin	Tin, Dissolved	Zinc	Zinc, Dissolved	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Glacier Site-Specific Preliminary SL			90	90	8	8	1.2	1.2	0.0016	0.0016	27	27	3.1	3.1	8.1	8.1	0.025	0.025	8.2	8.2	71	71	0.91	0.91	0.062	0.062			81	81	1,000	500	500
Site	**Location**	**Date**																															
	MW-4S	12/11/95	--	--	**13**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2 U	--	--	--	--	--	--	--	--	--
		07/29/03	--	--	**11**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/25/09	--	--	**30.9**	**29.3**	--	--	--	--	**0.46 J**	**0.27 J**	**1.8 J**	<2 U	--	--	--	--	--	--	--	--	<0.085 U	<0.028 U	--	--	--	--	<27.4 U	<16.9 U	--	--	--
		04/27/10	--	--	**47.7**	**40.4**	--	--	--	--	**0.44 J**	**0.26 J**	**5.5**	**3.2**	--	--	--	--	--	--	--	--	<0.071 UJ	<0.071 U	--	--	--	--	**6.8**	**6.3**	--	--	--
		10/25/10	--	--	**59**	**55.3**	--	--	--	--	<0.24 UJ	<0.24 UJ	**3**	**3**	--	--	--	--	--	--	--	--	<0.5 U	<0.5 U	--	--	--	--	**5.3**	**9.3**	--	--	--
		04/26/11	--	--	**56.5**	**48.4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/28/11	--	--	**44.7**	**42.7 J**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/25/12	--	--	**46.4**	**45**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/03/14	--	--	**43.5**	**40.7**	--	--	--	<0.01 U	<5 U	<5 U	**3**	**4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/28/14	--	--	**22**	**21.6**	--	--	--	<0.01 UJ	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		04/01/15	--	--	**47**	**52.9**	--	--	--	<0.01 U	<5 U	<5 U	**2**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/02/15	--	--	**28.6**	**27.9**	--	--	--	<0.003 U	<1.2 U	<1.2 U	**3**	**3**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	**10**	--	--	--
	MW-5S	03/25/09	--	--	**4.8**	**4.38**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/29/10	--	--	**4.4**	**6.1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/27/10	--	--	**6**	**5.5**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/28/11	--	--	**5.2**	**4.4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		12/01/11	--	--	**7.2**	**7.4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		05/01/12	--	--	**8.7**	**8.1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/03/14	--	--	**3**	**3**	--	--	--	<0.01 U	<5 U	<5 U	**16**	**16**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**10**	**10**	--	--	--
		08/25/14	--	--	**8**	**8.2**	--	--	--	<0.01 UJ	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		03/30/15	--	--	**5.2**	**5.2**	--	--	--	<0.01 U	<5 U	<5 U	**7**	**5**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**10**	**10**	--	--	--
		08/31/15	--	--	**2.8**	**2.9**	--	--	--	<0.003 U	**1.75 J**	<1.2 U	**40**	**38**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**40**	**50**	--	--	--
	MW-6S	07/29/03	--	--	**14**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/25/09	--	--	**11.6**	**9.51**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/29/10	--	--	**24.9**	**16.4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/27/10	--	--	**23.6**	**24**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/11	--	--	**13.4**	**12.9**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/30/11	--	--	**29**	**27.9**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/26/12	--	--	**13.7**	**11.8**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-7S	03/25/09	--	--	**55.2**	**54.9**	--	--	--	--	**0.76 J**	**0.46 J**	<0.52 U	<0.079 U	--	--	--	--	--	--	--	--	<0.085 U	<0.028 U	--	--	--	--	<12.3 U	<10 U	--	--	--
		04/27/10	--	--	**36.3**	**35.1**	--	--	--	--	**0.56**	**0.41 J**	**0.56**	**0.71**	--	--	--	--	--	--	--	--	<0.071 U	<0.071 UJ	--	--	--	--	**5**	**2.6 J**	--	--	--
		10/25/10	--	--	**19.7**	**17.2**	--	--	--	--	<0.24 UJ	<0.24 UJ	**0.71**	<0.2 U	--	--	--	--	--	--	--	--	<0.5 U	<0.5 U	--	--	--	--	**3.9 J**	**4.5 J**	--	--	--
		04/26/11	--	--	**25.4**	**25.2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/29/11	--	--	**22.6**	**22**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/12	--	--	**24.4**	**23**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-10S	07/29/03	--	--	**4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/24/09	--	--	**24.1**	**23.8**	--	--	--	--	**1.3**	**0.8 J**	**2**	<0.079 U	--	--	--	--	--	--	--	--	**0.22 J**	<0.028 U	--	--	--	--	**21.5**	<10 U	--	--	--
		04/28/10	--	--	**9.3**	**9.1**	--	--	--	--	**0.38 J**	**0.57**	**0.97**	**0.44 J**	--	--	--	--	--	--	--	--	<0.071 UJ	<0.071 U	--	--	--	--	<5 U	**2.8 J**	--	--	--
		10/25/10	--	--	**12.6**	**12.6**	--	--	--	--	**0.48 J**	<0.24 UJ	**2.3**	**1.4**	--	--	--	--	--	--	--	--	<0.071 U	**0.17 J**	--	--	--	--	**2.3 J**	**2.2 J**	--	--	--
		04/26/11	--	--	**14.3**	**14.7**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/29/11	--	--	**23.8**	**22.4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/12	--	--	**10**	**10.1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

			Metals																									Total Petroleum Hydrocarbons (TPH)		
			Antimony µg/L	Antimony, Dissolved µg/L	Arsenic µg/L	Arsenic, Dissolved µg/L	Cadmium µg/L	Cadmium, Dissolved µg/L	Chromium (hexavalent) mg/L	Chromium (hexavalent), Dissolved mg/L	Chromium µg/L	Chromium, Dissolved µg/L	Copper µg/L	Copper, Dissolved µg/L	Lead µg/L	Lead, Dissolved µg/L	Mercury µg/L	Mercury, Dissolved µg/L	Nickel µg/L	Nickel, Dissolved µg/L	Selenium µg/L	Selenium, Dissolved µg/L	Silver µg/L	Silver, Dissolved µg/L	Thallium µg/L	Thallium (filtered) µg/L	Tin mg/L	Tin, Dissolved mg/L	Zinc µg/L	Zinc, Dissolved µg/L	Gasoline Range Organics µg/L	Diesel Range Organics µg/L	Oil Range Organics µg/L
Glacier Site-Specific Preliminary SL			90	90	8	8	1.2	1.2	0.0016	0.0016	27	27	3.1	3.1	8.1	8.1	0.025	0.025	8.2	8.2	71	71	0.91	0.91	0.062	0.062			81	81	1,000	500	500
Site	**Location**	**Date**																														
Glacier Northwest, Inc. Site	MW-11S	07/29/03	--	--	**190**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/25/09	--	--	**753**	**711**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/30/10	--	--	**73.2**	**63.8**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/28/10	--	--	**77.4**	**74.4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/28/11	--	--	**22**	**17**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		12/01/11	--	--	**97.6**	**97.7**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		05/01/12	--	--	**467**	**471**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-12S	07/29/03	--	--	**13**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/25/09	--	--	**138**	**121**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/30/10	--	--	**216**	**172**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/28/10	--	--	**268**	**256**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/28/11	--	--	**172**	**156**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		12/01/11	--	--	**123**	**116**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		05/01/12	--	--	**159**	**149**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/03/14	--	--	--	--	--	--	--	<0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		08/25/14	--	--	--	--	--	--	--	<0.01 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/30/15	--	--	--	--	--	--	--	<0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		08/31/15	--	--	--	--	--	--	--	<0.003 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-13D	12/19/24	--	--	**25**	**33**	--	--	--	--	**9.8 J**	**7.2**	<25 UJ	<25 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<25 U	<25 U	--	--	--
		01/06/26	--	--	**28**	**33**	--	--	--	--	--	--	**3.6**	**4.6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<5 U	--	--	--
	MW-13S	07/29/03	--	--	**72**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/24/09	--	--	**1,130**	**1,130**	--	--	--	--	**3.7**	**3.8**	**114**	**61.7**	--	--	--	--	--	--	--	--	**0.24 J**	<0.028 U	--	--	--	--	**132**	**104**	--	--	--
		04/28/10	--	--	**197**	**218**	--	--	--	--	**2.9**	**2.8**	**48.7**	**11.1**	--	--	--	--	--	--	--	--	**0.39 J**	<0.071 U	--	--	--	--	**110**	**113**	--	--	--
		10/25/10	--	--	**312**	**415**	--	--	--	--	**3.6**	<0.24 UJ	**12.3**	**2.9**	--	--	--	--	--	--	--	--	<0.071 U	<0.071 U	--	--	--	--	**18.6**	**15.8**	--	--	--
		04/26/11	--	--	**580**	**580**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/29/11	--	--	**1,010**	**963**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/30/12	--	--	**1,130**	**1,150**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		12/16/24	--	--	**650**	**590**	--	--	--	--	**2.2 J**	**1.8**	**5.6 J**	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**23 J**	**17**	--	--	--
		01/07/26	--	--	**840**	**920**	--	--	--	--	--	--	**13**	**9.5**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**190**	**190**	--	--	--
	MW-14D	12/02/11	--	--	**427**	**390**	--	--	--	--	**13**	**9**	**4 J**	<2 U	--	--	--	--	--	--	--	--	<3 U	<3 U	--	--	--	--	<10 U	<10 U	--	--	--
		04/30/12	--	--	**361**	**361**	--	--	--	--	**11.5**	**9.4**	**3.1**	**1.1**	--	--	--	--	--	--	--	--	<0.2 UJ	<0.2 UJ	--	--	--	--	<4 U	<4 U	--	--	--
		03/07/14	--	--	**296**	**301**	--	--	--	--	**12**	**11**	**3**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/29/14	--	--	**288**	**295**	--	--	--	--	**12**	**8**	**3**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		04/03/15	--	--	**311**	**301**	--	--	--	--	**11**	**8**	**3**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/03/15	--	--	**306**	**288**	--	--	--	--	**14**	**11**	**3**	<0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2 U	<2 U	--	--	--
		12/18/24	--	--	**300**	**240**	--	--	--	--	**4.1 J**	**2.9**	<5 UJ	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<5 U	--	--	--

Table 2 - Groundwater Analytical Data

Arsenic CSM Memo | Glacier Northwest, Inc. Site

DRAFT

			Metals																										Total Petroleum Hydrocarbons (TPH)		
			Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Cadmium	Cadmium, Dissolved	Chromium (hexavalent)	Chromium (hexavalent), Dissolved	Chromium	Chromium, Dissolved	Copper	Copper, Dissolved	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Silver	Silver, Dissolved	Thallium	Thallium (filtered)	Tin	Tin, Dissolved	Zinc	Zinc, Dissolved	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Glacier Site-Specific Preliminary SL			90	90	8	8	1.2	1.2	0.0016	0.0016	27	27	3.1	3.1	8.1	8.1	0.025	0.025	8.2	8.2	71	71	0.91	0.91	0.062	0.062			81	81	1,000	500	500
Site	**Location**	**Date**																															
Glacier Northwest, Inc. Site	MW-14S	07/29/03	--	--	**87**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/25/09	--	--	**2,630**	**2,600**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/29/10	--	--	**3,290**	**2,700**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/27/10	--	--	**824**	**870**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/11	--	--	**4,140**	**3,790**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		07/14/11	--	--	**116**	**116**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		12/02/11	--	--	**933**	**935**	--	--	--	--	<1 U	<1 U	**9**	<2 U	--	--	--	--	--	--	--	--	<3 U	<3 U	--	--	--	--	<10 U	<10 U	--	--	--
		04/30/12	--	--	**6,130**	**5,810**	--	--	--	--	**0.7**	**0.7**	**24.2**	**2.3**	--	--	--	--	--	--	--	--	<0.2 U	<0.2 U	--	--	--	--	**35**	**35**	--	--	--
		03/07/14	--	--	**949**	**1,220**	--	--	--	<0.01 U	<5 U	<5 U	**14**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**10**	<10 U	--	--	--
		08/29/14	--	--	**84.8**	**81.4**	--	--	--	<0.01 R	<5 U	<5 U	**6**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		04/03/15	--	--	**10,200**	**9,950**	--	--	--	<0.01 U	<5 U	<5 U	**12**	**2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/03/15	--	--	**293**	**280**	--	--	--	<0.003 U	<0.47 U	<0.47 U	**4**	<0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2 U	<2 U	--	--	--
		12/16/24	--	--	**5,800**	**5,700**	--	--	--	--	<1 UJ	<1 U	<5 UJ	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**6.7 J**	<5 U	--	--	--
	MW-16S	03/26/09	--	--	**3.91**	**1.68**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/29/10	--	--	**5.2**	**3.9**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/27/10	--	--	**5.9**	**3.7**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/28/11	--	--	**5.3**	**2.7**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		12/06/11	--	--	**13.3**	**11.7**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/30/12	--	--	**22.6**	**16.9**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-17S	07/29/03	--	--	**48**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/23/09	--	--	**205**	**197**	--	--	--	--	<1 U	<1 U	<0.52 U	<0.079 U	--	--	--	--	--	--	--	--	<0.085 U	<0.028 U	--	--	--	--	<10 U	<10 U	--	--	--
		04/27/10	--	--	**92.1**	**79.1**	--	--	--	--	**0.31 J**	<0.24 U	<0.2 U	<0.2 U	--	--	--	--	--	--	--	--	<0.071 UJ	<0.071 U	--	--	--	--	**2.7 J**	**1.8 J**	--	--	--
		10/25/10	--	--	**103**	**94.8**	--	--	--	--	<0.24 UJ	<0.24 UJ	<0.2 U	<0.2 U	--	--	--	--	--	--	--	--	<0.5 U	**1**	--	--	--	--	<1.3 U	**6.4**	--	--	--
		04/25/11	--	--	**96.2**	**109**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/28/11	--	--	**49.8**	**47.5 J**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/25/12	--	--	**121**	**115**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/04/14	--	--	**70**	**64**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/26/14	--	--	**99.3**	**96 J**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		03/31/15	--	--	**366**	**344**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/01/15	--	--	**159**	**156**	--	--	--	--	<1.2 U	<1.2 U	<0.9 U	<0.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	<1 U	--	--	--
		12/16/24	--	--	**62**	**56**	--	--	--	--	<1 UJ	<1 U	<5 UJ	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<5 U	--	--	--
	MW-18S	07/29/03	--	--	**28**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/26/09	--	--	**4.11**	**3.7**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/29/10	--	--	**10.3**	**9.5**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/27/10	--	--	**8.4**	**8**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/11	<0.2 U	<0.2 U	**11.4**	**13.1**	<0.1 U	<0.1 U	--	--	**0.9**	**0.8**	**1.7**	**1**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**1.2**	**2.7 J**	<0.5 U	<0.5 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	--	--	<4 U	<4 U	--	--	--
		11/30/11	<50 U	<50 U	**3.6**	**4**	<0.1 U	<0.1 U	--	--	<0.5 U	<0.5 U	<2 U	<2 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.7**	**0.6**	<0.5 U	<0.5 U	<3 U	<3 UJ	<0.2 U	<0.2 U	--	--	<10 U	<10 U	--	--	--
		04/26/12	**0.2**	**0.3**	**6.2**	**5.9**	<0.1 U	<0.1 U	--	--	**0.6**	<0.5 U	**1.9**	**1.7**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**9.2 J**	<0.5 U	<0.5 U	<0.5 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	--	--	<4 U	<4 U	--	--	--
	MW-19D	12/16/24	--	--	**3.6**	**4.5**	--	--	--	--	**2.1 J**	**1.7**	<5 UJ	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<5 U	--	--	--

			Metals																								Total Petroleum Hydrocarbons (TPH)		
			Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Cadmium	Cadmium, Dissolved	Chromium (hexavalent)	Chromium (hexavalent), Dissolved	Chromium	Chromium, Dissolved	Copper	Copper, Dissolved	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Silver	Silver, Dissolved	Thallium	Thallium (filtered)	Tin	Tin, Dissolved	Zinc	Zinc, Dissolved	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Glacier Site-Specific Preliminary SL			90	90	8	8	1.2	1.2	0.0016	0.0016	27	27	3.1	3.1	8.1	8.1	0.025	0.025	8.2	8.2	71	71	0.91	0.91	0.062	0.062			81	81	1,000	500	500
Site	**Location**	**Date**																															
Glacier Northwest, Inc. Site	MW-19S	07/29/03	--	--	**74**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/26/09	--	--	**349**	**320**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/30/10	--	--	**327**	**290**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/28/10	--	--	**384**	**384**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/28/11	--	--	**260**	**259**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		12/01/11	--	--	**402**	**420**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		05/01/12	--	--	**246**	**249**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/05/14	--	--	**240**	**242**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**80**	**30**	--	--	--
		08/25/14	--	--	**672**	**635**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**50**	**50**	--	--	--
		03/30/15	--	--	**260**	**257**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**50**	**40**	--	--	--
		08/31/15	--	--	**2,370**	**2,410**	--	--	--	--	<1.2 U	<1.2 U	<0.9 U	<0.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**30**	**30**	--	--	--
		12/16/24	--	--	**320**	**320**	--	--	--	--	<1 UJ	<1 U	<5 UJ	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**35 J**	**11**	--	--	--
	MW-20D	03/12/14	--	--	**1**	**0.9**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/28/14	--	--	**1**	**1**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		04/02/15	--	--	**1.1**	**1.1**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/01/15	--	--	**0.8**	**0.7**	--	--	--	--	<1.2 U	<1.2 U	<0.9 U	<0.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	<1 U	--	--	--
	MW-20S	07/29/03	--	--	**73**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/26/09	--	--	**1,490**	**1,430**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/28/10	--	--	**2,000**	**1,760**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/25/10	--	--	**1,340**	**1,350**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/11	<0.2 U	<0.2 U	**1,080**	**1,080**	<0.1 U	<0.1 U	--	--	<0.5 U	<1 U	**1.3**	**0.8**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.9**	**1.4**	<0.5 U	<0.5 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	--	--	<4 U	<4 U	--	--	--
		11/30/11	<50 U	<50 U	**2,770**	**2,600**	**0.2**	<0.1 U	--	--	<0.5 U	<0.5 U	**3**	<2 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**1.5**	**0.5**	<0.5 U	<0.5 U	<3 U	<3 UJ	<0.2 U	<0.2 U	--	--	<10 U	<10 U	--	--	--
		04/26/12	<0.2 U	<0.2 U	**957**	**869**	<0.1 U	<0.1 U	--	--	<0.5 U	<0.5 U	**0.8**	**0.5**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**2.9**	**1.2**	<0.5 U	<0.5 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	--	--	**6**	**5**	--	--	--
		03/12/14	--	--	**82.5**	**87.5**	--	--	--	--	<5 U	<5 U	**8**	**6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**20**	**10**	--	--	--
		08/28/14	--	--	**3,020**	**3,080**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		04/02/15	--	--	**2,680**	**2,490**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/01/15	--	--	**2,390**	**2,480**	--	--	--	--	<1.2 U	<1.2 U	**1.1 J**	<0.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**2 J**	**3 J**	--	--	--
	MW-21S	07/29/03	--	--	**190**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/24/09	--	--	**3,080**	**2,770**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/28/10	--	--	**3,280**	**3,370**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/26/10	--	--	**2,350**	**2,300**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/11	--	--	**3,310**	**3,540**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/30/11	--	--	**1,870**	**1,850**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/26/12	--	--	**1,930**	**1,920**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/05/14	--	--	**755**	**708**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/26/14	--	--	**3,920**	**3,660 J**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		03/30/15	--	--	**1,440**	**1,450**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**10**	<10 U	--	--	--
		09/01/15	--	--	**2,130**	**2,090**	--	--	--	--	<1.2 U	<1.2 U	**1.4 J**	<0.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	<1 U	--	--	--
		12/16/24	--	--	**370**	**340**	--	--	--	--	<1 UJ	<1 U	<5 UJ	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**59 J**	<5 U	--	--	--

Table 2 - Groundwater Analytical Data

Arsenic CSM Memo | Glacier Northwest, Inc. Site

DRAFT

			Metals																										Total Petroleum Hydrocarbons (TPH)		
			Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Cadmium	Cadmium, Dissolved	Chromium (hexavalent)	Chromium (hexavalent), Dissolved	Chromium	Chromium, Dissolved	Copper	Copper, Dissolved	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Silver	Silver, Dissolved	Thallium	Thallium (filtered)	Tin	Tin, Dissolved	Zinc	Zinc, Dissolved	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Glacier Site-Specific Preliminary SL			90	90	8	8	1.2	1.2	0.0016	0.0016	27	27	3.1	3.1	8.1	8.1	0.025	0.025	8.2	8.2	71	71	0.91	0.91	0.062	0.062			81	81	1,000	500	500
Site	**Location**	**Date**																															
Glacier Northwest, Inc. Site	MW-22S	07/29/03	--	--	**9**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/24/09	--	--	**9.31**	**8.56**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/28/10	--	--	**10.6**	**10.6**	--	--	--	--	**0.28 J**	<0.24 U	**0.29 J**	<0.2 U	--	--	--	--	--	--	--	--	<0.071 UJ	<0.071 U	--	--	--	--	<5 U	**2.2 J**	--	--	--
		10/25/10	--	--	**10.4**	**10**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/26/11	--	--	**164**	**127**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/28/11	--	--	**7.9**	**7.9 J**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/25/12	--	--	**68.3**	**61.6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-23S	07/29/03	--	--	**7**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/24/09	--	--	**2.95**	**2.54**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/28/10	--	--	**3.5**	**3.2**	--	--	--	--	**0.4 J**	**0.27 J**	**0.28 J**	<0.2 U	--	--	--	--	--	--	--	--	<0.071 UJ	<0.071 U	--	--	--	--	<5 U	**2.3 J**	--	--	--
		10/26/10	--	--	**2.9**	**2.7**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/11	--	--	**4.7**	**4.8**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/28/11	--	--	**2.7**	**2.9**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/25/12	--	--	**4.7**	**4.6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-24S	07/29/03	--	--	<4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/25/09	--	--	**0.595**	**0.501**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/28/10	--	--	**0.36 J**	**0.32 J**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/25/10	--	--	**0.15 J**	**0.12 J**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/27/11	<0.2 U	<0.2 U	**0.7**	**0.7**	<0.1 U	<0.1 U	--	--	<0.5 U	<0.5 U	**0.6**	**0.6**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.8**	<0.5 U	<0.5 U	<0.5 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	--	--	<4 U	<4 U	--	--	--
		11/30/11	<50 U	<50 U	<0.2 U	**0.2**	<0.1 U	<0.1 U	--	--	<1 U	<0.5 U	<2 U	<2 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**1.1**	**0.7**	<0.5 U	<0.5 U	<3 U	<3 UJ	<0.2 U	<0.2 U	--	--	<10 U	<10 U	--	--	--
		04/25/12	<0.2 U	<0.2 U	**0.4**	**0.3 J**	<0.1 U	<0.1 U	--	--	<0.5 U	<0.5 U	<0.5 U	**0.8**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**1.1 J**	**0.7**	<0.5 U	<0.5 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	--	--	<4 U	<4 U	--	--	--
	MW-25S	07/29/03	--	--	**1,100**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/05/09	<1 U	<1 U	**1,400**	**1,200**	<4.4 U	<4 U	<0.01 U	--	<2 U	<2 U	**1.5**	<1 U	<1 U	<1 U	<0.1 U	<0.1 U	<22 U	<20 U	<5.6 U	<5 U	<11 U	<10 U	<5.6 U	<5 U	<0.01 U	<0.01 U	**19**	<5 U	--	--	--
		06/11/14	<5.4 U	<5.5 U	**1,100**	**1,000**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		09/25/14	<5.5 U	<5.5 U	**990**	**1,000 J**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		01/21/15	<5.4 U	<5.5 U	**210**	**150**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	**3**	**2.2**	<1 U	<1 U	<0.5 U	<0.5 U	**8**	**7.8**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		04/21/15	<5.4 U	<5.5 U	**1,300**	**1,400**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**2.4**	**2.3**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
	MW-26S	07/29/03	--	--	**37**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/26/09	--	--	**1,070**	**957**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/05/09	<1 U	<1 U	**370**	**400**	<4.4 U	<4 U	<0.01 U	--	<2 U	<2 U	**2.8**	<1 U	<1 U	<1 U	<0.1 U	<0.1 U	<22 U	<20 U	<5.6 U	<5 U	<11 U	<10 U	<5.6 U	<5 U	<0.01 U	<0.01 U	**17**	<5 U	--	--	--
		04/29/10	--	--	**1,400**	**1,270**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/27/10	--	--	**356**	**351**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/28/11	<0.2 U	<0.2 U	**984**	**1,060**	<0.1 U	<0.1 U	--	--	**0.8**	**0.9**	**0.9**	<0.5 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.6**	**0.8**	<0.5 U	<0.5 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	--	--	<4 U	<4 U	--	--	--
		12/01/11	<50 U	<50 U	**432**	**448**	<0.1 U	<0.1 U	--	--	<1 U	<2 U	**4**	<2 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**1.9**	**1.8**	<0.5 U	<0.5 U	<3 U	<3 UJ	<0.2 U	<0.2 U	--	--	<10 U	<10 U	--	--	--
		04/30/12	<0.2 U	<0.2 U	**780**	**770**	**0.2**	<0.1 U	--	--	**1.1**	**1**	**2.1**	**0.9**	**0.1**	<0.1 U	<0.1 U	<0.1 U	**0.9**	**0.9**	<0.5 U	<0.5 U	<0.2 UJ	<0.2 UJ	<0.2 U	<0.2 U	--	--	<4 U	<4 U	--	--	--
		03/11/14	--	--	**170**	**188**	--	--	--	<0.01 R	<5 U	<5 U	**6**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**10**	<10 U	--	--	--
		06/11/14	<5.4 U	<5.5 U	**480**	**410**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		08/25/14	--	--	**366**	**391**	--	--	--	<0.01 UJ	<5 U	<5 U	**3**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/25/14	<5.4 U	<5.5 U	**310**	**320 J**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	**2.5**	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		01/21/15	<5.4 U	<5.5 U	**310**	**310**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**2.2**	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		04/01/15	--	--	**292**	**310**	--	--	--	**0.016**	<5 U	<5 U	**2**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		04/21/15	<5.4 U	<5.5 U	**300**	**280**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	<2 U	<2 U	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		09/02/15	--	--	**214**	**257**	--	--	--	<0.003 U	<1.2 U	<1.2 U	**3**	<0.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	<1 U	--	--	--

			Metals																									Total Petroleum Hydrocarbons (TPH)		
			Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Cadmium	Cadmium, Dissolved	Chromium (hexavalent)	Chromium (hexavalent), Dissolved	Chromium	Chromium, Dissolved	Copper	Copper, Dissolved	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Silver	Silver, Dissolved	Thallium	Thallium (filtered)	Tin	Tin, Dissolved	Zinc	Zinc, Dissolved	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Glacier Site-Specific Preliminary SL			90	90	8	8	1.2	1.2	0.0016	0.0016	27	27	3.1	3.1	8.1	8.1	0.025	0.025	8.2	8.2	71	71	0.91	0.91	0.062	0.062			81	81	1,000	500	500
Site	**Location**	**Date**																															
Glacier Northwest, Inc. Site	MW-27S	07/29/03	--	--	**10**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		03/26/09	--	--	**25.3**	**22.6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/04/09	<1 U	<1 U	**26**	**25**	<4.4 U	<4 U	<0.01 U	--	**5**	**8.3**	<1 U	<1 U	**1.2**	<1 U	<0.1 U	<0.1 U	<22 U	<20 U	<5.6 U	<8 U	<11 U	<10 U	<5.6 U	<5 U	<0.01 U	<0.01 U	**16**	<5 U	--	--	--
		04/29/10	--	--	**35.8**	**28.6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10/27/10	--	--	**20.3**	**19.4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/28/11	<0.2 U	<0.2 U	**15.2**	**14.9**	<0.1 U	<0.1 U	--	--	<0.5 U	<0.5 U	**0.6**	**0.5**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**2**	**2.6**	<0.5 U	<0.5 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	--	--	<4 U	<4 U	--	--	--
		12/01/11	<50 U	<50 U	**13**	**13**	<0.2 U	<0.2 U	--	--	<1 U	<1 U	**3**	<2 U	<0.2 U	<0.2 U	<0.1 U	<0.1 U	**8**	**8**	**6**	**7**	<3 U	<3 UJ	<0.5 U	<0.5 U	--	--	<10 U	<10 U	--	--	--
		04/30/12	<0.2 U	<0.2 U	**9.1**	**9.3**	<0.1 U	<0.1 U	--	--	**0.7**	<0.5 U	**1**	**0.6**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**2.8**	**2.2**	<0.5 U	<0.5 U	<0.2 UJ	<0.2 UJ	<0.2 U	<0.2 U	--	--	<4 U	<4 U	--	--	--
		06/12/14	<5.4 U	<5.5 U	**11**	**10**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**4.3**	**4.2**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		09/24/14	<5.4 U	<5.5 U	**9.4**	**9.3**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**29**	**32**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		01/22/15	<5.4 U	<5.5 U	**6.7**	**7**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	<2 U	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**9.1**	**7.9**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
		04/20/15	<5.4 U	<5.5 U	**8.7**	**9.3**	<0.2 U	<0.2 U	--	--	<2 U	<2 U	**3.4**	<2 U	<1 U	<1 U	<0.5 U	<0.5 U	**6.8**	**4.9**	<6 U	<6 U	<1 U	<1 U	<2 U	<2 U	<0.005 U	<0.005 U	<56 U	<56 U	--	--	--
	MW-28S	12/02/11	<50 U	<50 U	**11.2**	**11.9**	<0.1 U	<0.1 U	--	--	<1 U	<0.5 U	<2 U	<2 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**1.8**	**1.9**	<0.5 U	<0.5 U	<3 U	<3 U	<0.2 U	<0.2 U	--	--	<10 U	<10 U	<30 U	<20 U	<40 U
		05/01/12	<0.2 U	<0.2 U	**14**	**13.8**	<0.1 U	<0.1 U	--	--	<0.5 U	<0.5 U	**0.8**	**0.8**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**4**	**0.9**	<0.5 U	<0.5 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	--	--	<4 U	<4 U	<11 U	<20 U	<40 U
	MW-29S	12/02/11	<50 U	<50 U	**2.5**	**2.4**	<0.1 U	<0.1 U	--	--	<1 U	<1 U	<2 U	**3**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.7**	**0.7**	<0.5 U	<0.5 U	<3 U	<3 U	<0.2 U	<0.2 U	--	--	<10 U	<10 U	<30 U	**110 J**	<40 U
		05/02/12	**0.3**	**0.3**	**3.4**	**3.5**	<0.1 U	<0.1 U	--	--	<0.5 U	<0.5 U	**0.5**	**1.9**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.8**	**0.6**	<0.5 U	<0.5 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	--	--	<4 U	<4 U	<22 U	<20 U	<40 U
	MW-30S	12/05/11	<50 U	<50 U	**8.5**	**9.2**	<0.1 U	<0.1 U	--	--	<1 U	<1 U	<2 U	<2 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.9**	**1.1**	<0.5 U	<0.5 U	<3 U	<3 U	<0.2 U	<0.2 U	--	--	<10 U	<10 U	<30 U	**230 J**	<40 U
		05/02/12	<0.2 U	<0.2 U	**9.5**	**9.6**	<0.1 U	<0.1 U	--	--	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.8**	**0.5**	<0.5 U	<0.5 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	--	--	<4 U	<4 U	<11 U	<20 U	<40 U
		03/10/14	--	--	--	--	--	--	--	<0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		08/26/14	--	--	--	--	--	--	--	**0.011 J**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/01/15	--	--	--	--	--	--	--	<0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		09/03/15	--	--	--	--	--	--	--	<0.003 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-31D	03/12/14	--	--	**4**	**4**	--	--	--	<0.01 U	**54**	**29**	**23**	**6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**10**	<10 U	--	--	--
		08/28/14	--	--	**3.3**	**3.4**	--	--	--	<0.01 UJ	**60**	**32**	**26**	**8**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		04/02/15	--	--	**4.4**	**4.6**	--	--	--	<0.01 U	**55**	**29**	**33**	**9**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/03/15	--	--	**3.4**	**3.2**	--	--	--	<0.003 U	**41**	**29**	**16**	**9**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2 U	<2 U	--	--	--
	MW-31S	12/05/11	<50 U	<50 U	**2.2**	**2.2**	<0.1 U	<0.1 U	--	<0.01 U	**1.1**	<0.5 U	<2 U	<2 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**1.7**	**1**	<0.5 U	<0.5 U	<3 U	<3 U	<0.2 U	<0.2 U	--	--	<10 U	<10 U	<30 U	**270 J**	<40 U
		05/02/12	**0.3**	**0.2**	**1.5**	**1.3**	<0.1 U	<0.1 U	--	<0.01 U	<0.5 U	<0.5 U	**0.9**	**0.5**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**2**	**1**	<0.5 U	<0.5 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	--	--	<4 U	<4 U	<22 U	**230 J**	<40 U
		03/12/14	--	--	**1.2**	**1.2**	--	--	--	<0.01 U	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/28/14	--	--	**1.9**	**1.8**	--	--	--	<0.01 UJ	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		04/02/15	--	--	**1**	**1**	--	--	--	<0.01 U	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/03/15	--	--	**3.5**	**3.1**	--	--	--	<0.003 U	<0.47 U	<0.47 U	<0.2 U	<0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2 U	<2 U	--	--	--
	MW-32DR	05/01/12	--	--	**1.7**	**1.4**	--	--	--	--	**12.9**	**13.1**	**6.5**	**4.9**	--	--	--	--	--	--	--	--	<0.2 U	<0.2 U	--	--	--	--	**8**	**4**	--	--	--
	MW-32S	12/06/11	--	--	**2.2**	**2.1**	--	--	--	--	<0.5 U	**0.8**	<2 U	<2 U	--	--	--	--	--	--	--	--	<3 U	<3 U	--	--	--	--	<10 U	<10 U	--	--	--
		05/01/12	--	--	**8.5**	**8.5**	--	--	--	--	**0.8**	**0.7**	<0.5 U	<0.5 U	--	--	--	--	--	--	--	--	<0.2 U	<0.2 U	--	--	--	--	**5**	<4 U	--	--	--
	MW-33D	12/19/24	--	--	**6.9**	**6.1**	--	--	--	--	**4.2 J**	**2.6**	<5 UJ	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<5 U	--	--	--
		01/07/26	--	--	**5.2**	**4.9**	--	--	--	--	--	--	**4.6**	**1.6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
	MW-33S	12/05/11	--	--	**299**	**257**	--	--	--	--	**6**	**4**	**138**	**3**	--	--	--	--	--	--	--	--	<3 U	<3 U	--	--	--	--	<10 U	<10 U	--	--	--
		05/02/12	--	--	**245**	**204**	--	--	--	--	**2.4**	<1 U	**75.1**	**3.8**	--	--	--	--	--	--	--	--	<0.2 U	<0.2 U	--	--	--	--	**5**	<4 U	--	--	--
		03/06/14	--	--	**46.7**	**41.6**	--	--	--	--	<5 U	<5 U	**35**	**19**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/26/14	--	--	**21.1**	**22 J**	--	--	--	--	<5 U	<5 U	**2**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		03/31/15	--	--	**130**	**86.3**	--	--	--	--	<5 U	<5 U	**21**	**5**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/01/15	--	--	**40.5**	**38.8**	--	--	--	--	<1.2 U	<1.2 U	**4**	**1.2 J**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	<1 U	--	--	--
		01/07/26	--	--	**40**	**34**	--	--	--	--	--	--	**3.3**	<1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	<5 U	--	--	--

			Metals																									Total Petroleum Hydrocarbons (TPH)		
			Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Cadmium	Cadmium, Dissolved	Chromium (hexavalent)	Chromium (hexavalent), Dissolved	Chromium	Chromium, Dissolved	Copper	Copper, Dissolved	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Silver	Silver, Dissolved	Thallium	Thallium (filtered)	Tin	Tin, Dissolved	Zinc	Zinc, Dissolved	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Glacier Site-Specific Preliminary SL			90	90	8	8	1.2	1.2	0.0016	0.0016	27	27	3.1	3.1	8.1	8.1	0.025	0.025	8.2	8.2	71	71	0.91	0.91	0.062	0.062			81	81	1,000	500	500
Site	**Location**	**Date**																															
Glacier Northwest, Inc. Site	MW-34S	12/06/11	--	--	**2.2**	**2**	--	--	--	<0.01 U	<0.5 U	<0.5 U	**3**	**3**	--	--	--	--	--	--	--	--	<3 U	<3 U	--	--	--	--	<10 U	<10 U	--	--	--
		05/03/12	--	--	**2**	**2**	--	--	--	<0.01 U	<0.5 U	<0.5 U	**3.4**	**3.5**	--	--	--	--	--	--	--	--	<0.2 U	<0.2 U	--	--	--	--	<4 U	<4 U	--	--	--
		03/07/14	--	--	--	--	--	--	--	<0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		08/27/14	--	--	--	--	--	--	--	<0.01 R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		04/01/15	--	--	--	--	--	--	--	<0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		09/02/15	--	--	--	--	--	--	--	<0.003 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-35D	03/06/14	--	--	**4.4**	**4.8**	--	--	--	<0.01 R	**32**	**31**	**15**	**12**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/27/14	--	--	**7.8**	**7.7**	--	--	--	<0.01 R	**32**	**19**	**14**	**5**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		04/01/15	--	--	**8**	**9**	--	--	--	<0.01 U	**31**	**16**	**18**	**8**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/31/15	--	--	**8.9**	**9**	--	--	--	<0.003 U	**39**	**27**	**16**	**10**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	<1 U	--	--	--
	MW-35S	12/06/11	--	--	**1.4**	**1.3**	--	--	--	--	<0.5 U	<0.5 U	**3**	<2 U	--	--	--	--	--	--	--	--	<3 U	<3 U	--	--	--	--	<10 U	<10 U	<30 U	**2,000**	<40 U
		05/03/12	--	--	**0.6**	**0.9**	--	--	--	--	<0.5 U	<0.5 U	**67.7**	**2.7**	--	--	--	--	--	--	--	--	<0.2 U	<0.2 U	--	--	--	--	<4 U	<4 U	<11 U	**3,200 J**	<40 U
		03/06/14	--	--	**0.3**	**0.3**	--	--	--	<0.01 R	<5 U	<5 U	**41**	**2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/27/14	--	--	**1.4**	**1.5**	--	--	--	<0.01 R	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		04/02/15	--	--	**0.4**	**0.4**	--	--	--	<0.01 U	<5 U	<5 U	**69**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/31/15	--	--	**0.8**	**0.6**	--	--	--	<0.003 U	<1.2 U	<1.2 U	**3**	<0.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	<1 U	--	--	--
	MW-36S	05/03/12	--	--	**0.5**	**0.5**	--	--	--	--	<1 U	<1 U	**0.7**	**0.5**	--	--	--	--	--	--	--	--	<0.2 U	<0.2 U	--	--	--	--	<4 U	<4 U	--	--	--
	MW-38D	03/14/14	--	--	**1.8**	**1.7**	--	--	--	<0.01 R	**35**	**18**	**9**	**2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/29/14	--	--	**2.1**	**1.9**	--	--	--	<0.01 R	**41**	**22**	**10**	**4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		04/03/15	--	--	**1.3**	**1.1**	--	--	--	<0.01 U	**17**	**9**	**4**	**3**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/02/15	--	--	**0.8**	**0.8**	--	--	--	<0.003 U	**9**	**7**	**2**	<0.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	<1 U	--	--	--
	MW-43D	03/04/14	--	--	**586**	**613**	--	--	--	--	**17**	**10**	**6**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**20**	<10 U	--	--	--
		08/25/14	--	--	**637**	**612**	--	--	--	--	**16**	**10**	**5**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		03/30/15	--	--	**882**	**907**	--	--	--	--	**23**	**12**	**9**	**3**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/03/15	--	--	**766**	**747**	--	--	--	--	**23**	**13**	**8**	<0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2 U	<2 U	--	--	--
		12/16/24	--	--	**540**	**490**	--	--	--	--	**4.3 J**	**3.4**	<5 UJ	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<5 U	--	--	--
	MW-43S	03/04/14	--	--	**70**	**68**	--	--	--	--	<5 U	<5 U	**3**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/25/15	--	--	**72.1**	**72**	--	--	--	--	<5 U	<5 U	**2**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		03/30/15	--	--	**73.5**	**79.3**	--	--	--	--	<5 U	<5 U	**2**	**2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/03/15	--	--	**111**	**102**	--	--	--	--	<0.47 U	<0.47 U	<0.2 U	<0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2 U	<2 U	--	--	--
	MW-45D	03/11/14	--	--	**72**	**69.1**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		08/26/15	--	--	**57.1**	**55.1 J**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		03/31/15	--	--	**63**	**63.6**	--	--	--	--	<5 U	<5 U	<2 U	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
		09/01/15	--	--	**54.3**	**56.1**	--	--	--	--	**4 J**	**3.1 J**	**1.2 J**	<0.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1 U	<1 U	--	--	--
		12/18/24	--	--	**65**	**68**	--	--	--	--	**3.2 J**	**2.6**	<5 UJ	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**8.9 J**	**6.4**	--	--	--
		01/07/26	--	--	**73**	**70**	--	--	--	--	--	--	<1 U	<1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	<5 U	--	--	--
	MW-45S	03/11/14	--	--	**6,470**	**6,300**	--	--	--	--	<5 U	<5 U	**28**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**40**	**30**	--	--	--
		08/26/14	--	--	**15,600**	**15,600**	--	--	--	--	<5 U	<5 U	**14**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**20**	**20**	--	--	--
		03/31/15	--	--	**12,900**	**12,700**	--	--	--	--	<5 U	<5 U	**13**	**3**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**20**	**10**	--	--	--
		09/01/15	--	--	**11,700**	**11,600**	--	--	--	--	<1.2 U	<1.2 U	**11**	**1.3 J**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**10**	**10**	--	--	--
		12/18/24	--	--	**5,000**	**4,500**	--	--	--	--	<1 UJ	<1 U	**14 J**	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<5 U	--	--	--
		01/08/26	--	--	**4,400**	**4,300**	--	--	--	--	--	--	<1 U	**8.2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	<5 U	--	--	--
	MW-46D	12/18/24	--	--	**38**	**36**	--	--	--	--	**10 J**	**7**	<5 UJ	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<5 U	--	--	--
		01/07/26	--	--	**41**	**36**	--	--	--	--	--	--	<1 U	<1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	<5 U	--	--	--

DRAFT

			Metals																									Total Petroleum Hydrocarbons (TPH)		
			Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Cadmium	Cadmium, Dissolved	Chromium (hexavalent)	Chromium (hexavalent), Dissolved	Chromium	Chromium, Dissolved	Copper	Copper, Dissolved	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Silver	Silver, Dissolved	Thallium	Thallium (filtered)	Tin	Tin, Dissolved	Zinc	Zinc, Dissolved	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Glacier Site-Specific Preliminary SL			90	90	8	8	1.2	1.2	0.0016	0.0016	27	27	3.1	3.1	8.1	8.1	0.025	0.025	8.2	8.2	71	71	0.91	0.91	0.062	0.062			81	81	1,000	500	500
Site	**Location**	**Date**																															
Glacier Northwest, Inc. Site	MW-46S	12/18/24	--	--	**36**	**34**	--	--	--	--	<1 UJ	<1 U	<5 UJ	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<5 U	--	--	--
		01/08/26	--	--	**43**	**38**	--	--	--	--	--	--	**5.9**	**1.1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	<5 U	--	--	--
	MW-47D	12/19/24	--	--	**350**	**350**	--	--	--	--	**2.4 J**	<5 U	<5 UJ	<25 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<25 U	--	--	--
		01/06/26	--	--	**530**	**520**	--	--	--	--	--	--	**2.1**	<2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<10 U	--	--	--
	MW-47S	12/19/24	--	--	**190**	**180**	--	--	--	--	<1 UJ	<1 U	**18 J**	**8.8**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**180 J**	**170**	--	--	--
		01/06/26	--	--	**180**	**170**	--	--	--	--	--	--	**25**	**6.0**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**160**	**130**	--	--	--
	MW-48D	12/20/24	--	--	**28**	**23**	--	--	--	--	**13 J**	**12**	<5 UJ	<10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<10 U	--	--	--
		01/07/26	--	--	**26**	**28**	--	--	--	--	--	--	**5.3**	**2.1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10 U	<5 U	--	--	--
	MW-48S	12/20/24	--	--	**14**	**13**	--	--	--	--	<1 UJ	<1 U	<5 UJ	<5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<5 U	--	--	--
		01/07/26	--	--	**19**	**19**	--	--	--	--	--	--	<1 U	<1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 U	<5 U	--	--	--
	PP-1	12/18/24	--	--	**1,000**	**940**	--	--	--	--	<1 UJ	<5 U	<5 UJ	<25 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5 UJ	<25 U	--	--	--

Notes:

Preliminary SL = Site-specific preliminary screening levels developed for the Glacier Northwest, Inc. Site from Ecology's Preliminary Cleanup Level Workbook. Refer to text.
Only locations/samples that were analyzed for metals and/or TPH are shown.
ug/L = micrograms per liter
mg/L = milligrams per liter
-- = Not analyzed
J = Result is an estimate
U = Analyte not detected at or above the reporting limit shown
UJ = Analyte not detected at or above the reporting limit shown, and the reporting limit is an estimate
R = Result rejected during data validation
Bold = detected
Green Shaded = Analyte exceeded the Groundwater Preliminary SL

FIGURES



Features

- King County Tax Parcel
- Outfall
- Seattle Public Utilities 48" Diameter Stormwater Drain Line

Glacier Northwest, Inc. Site

- Glacier Northwest Property Boundary
- Existing Buildings
- Historical Mineralized-Cell Opeartions Features
- Approximate Location of Historical Bulkhead / 1922 Shoreline

Terminal 115 North (T115N) Site[1]

- T115N Property Boundary
- Current Warehouse/Former Process Building
- Historical Tin Reclamation Operations Features
- Approximate Location of 1922 Shoreline

Terminal 115 Plant 1 (T115P1) Site[2]

- T115P1 Property Boundary
- Reported Extents of Cement Kiln Dust Fill Zone

Notes:
- [1] = Features from Public Review Draft Remedial Investigation Report, Port of Seattle North – Terminal 115 (GeoEngineers, 2024). Exploration locations from Ecology's Environmental Information Management Database.
- [2] = Features from materials provided by the Port to Ecology (Refer to Attachment A). Exploration locations from Ecology's Environmental Information Management Database.

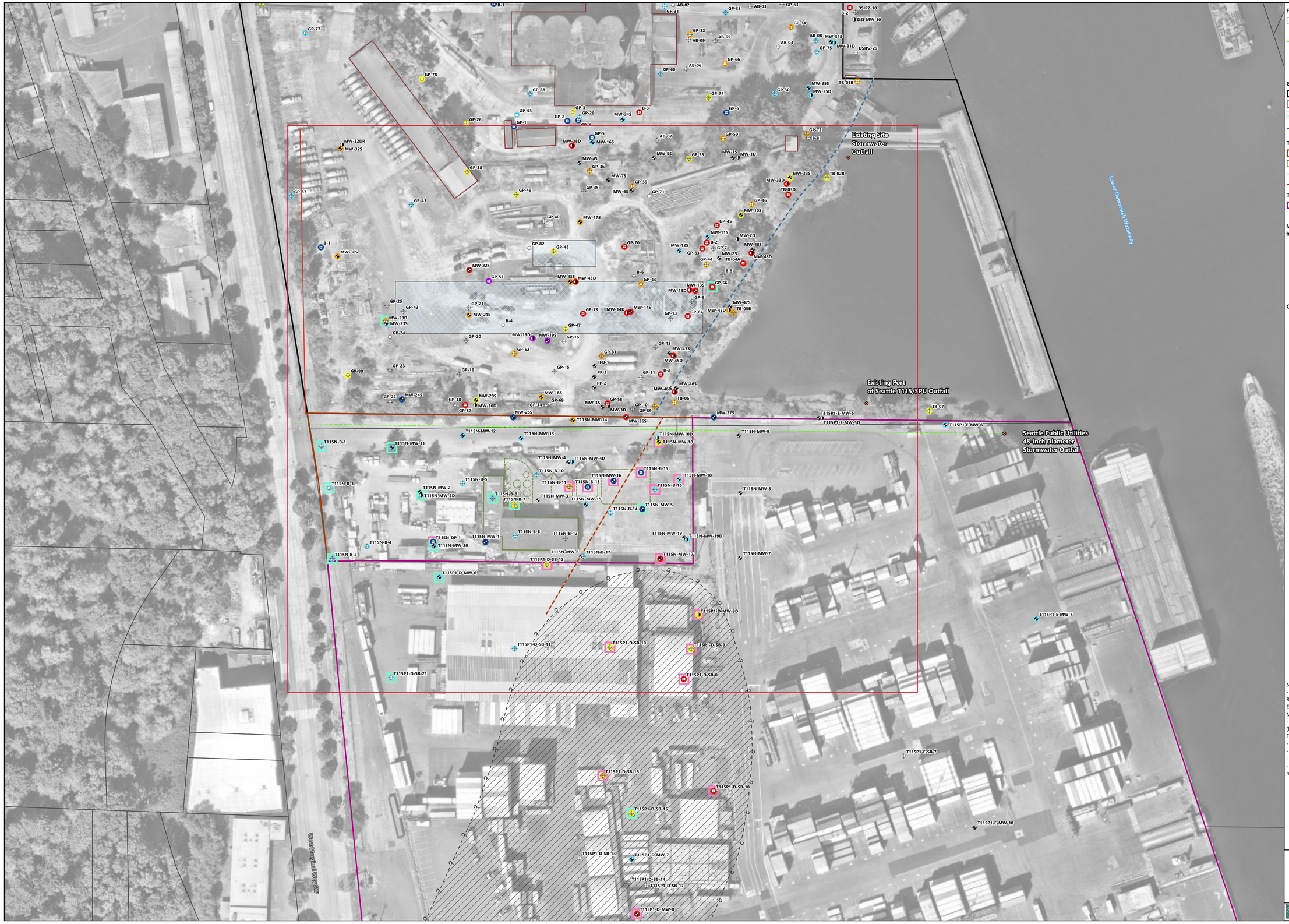
0 35 70 140 Feet

Site Location Map

Arsenic CSM Along T115 Property Boundary Memo
Glacier Northwest, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

BLACK RIVER ENVIRONMENTAL	October 2026	AY / PM
	PROJECT NO. 25006	REVISED BY: ---
		FIGURE NO. 1

Sources: Esri; U.S. Department of Commerce, Census Bureau; U.S. Department of Commerce (DOC), National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), National Geodetic Survey (NGS)



Features

- King County Tax Parcel
- Outfall
- Seattle Public Utilities 48" Diameter Stormwater Drain Line
- Shallow Monitoring Well
- Deep Monitoring Well
- Soil Boring

Glacier Northwest, Inc. Site

- Glacier Northwest Property Boundary
- Existing Buildings
- Historical Mineralized-Cell Opeartions Features
- Approximate Location of Historical Bulkhead / 1922 Shoreline

Terminal 115 North (T115N) Site[1]

- T115N Property Boundary
- Current Warehouse/Former Process Building
- Historical Tin Reclamation Operations Features
- Approximate Location of 1922 Shoreline

Terminal 115 Plant 1 (T115P1) Site[2]

- T115P1 Property Boundary
- Reported Extents of Cement Kiln Dust Fill Zone

Maximum Arsenic Concentration Detected in Soil, 0 to 6 feet bgs

- Not Detected
- 0-7.3 mg/kg
- 7.3-20 mg/kg
- 20-73 mg/kg
- 73-730 mg/kg
- 730+ mg/kg

Other Analytical Results in Soil, 0 to 6 feet bgs

- Lead **or** Lead and one or more of the other Non-Glacier Metals exceeds Preliminary SLs
- One or more of the other Non-Glacier Metals exceeds Preliminary SLs (and lead does not)

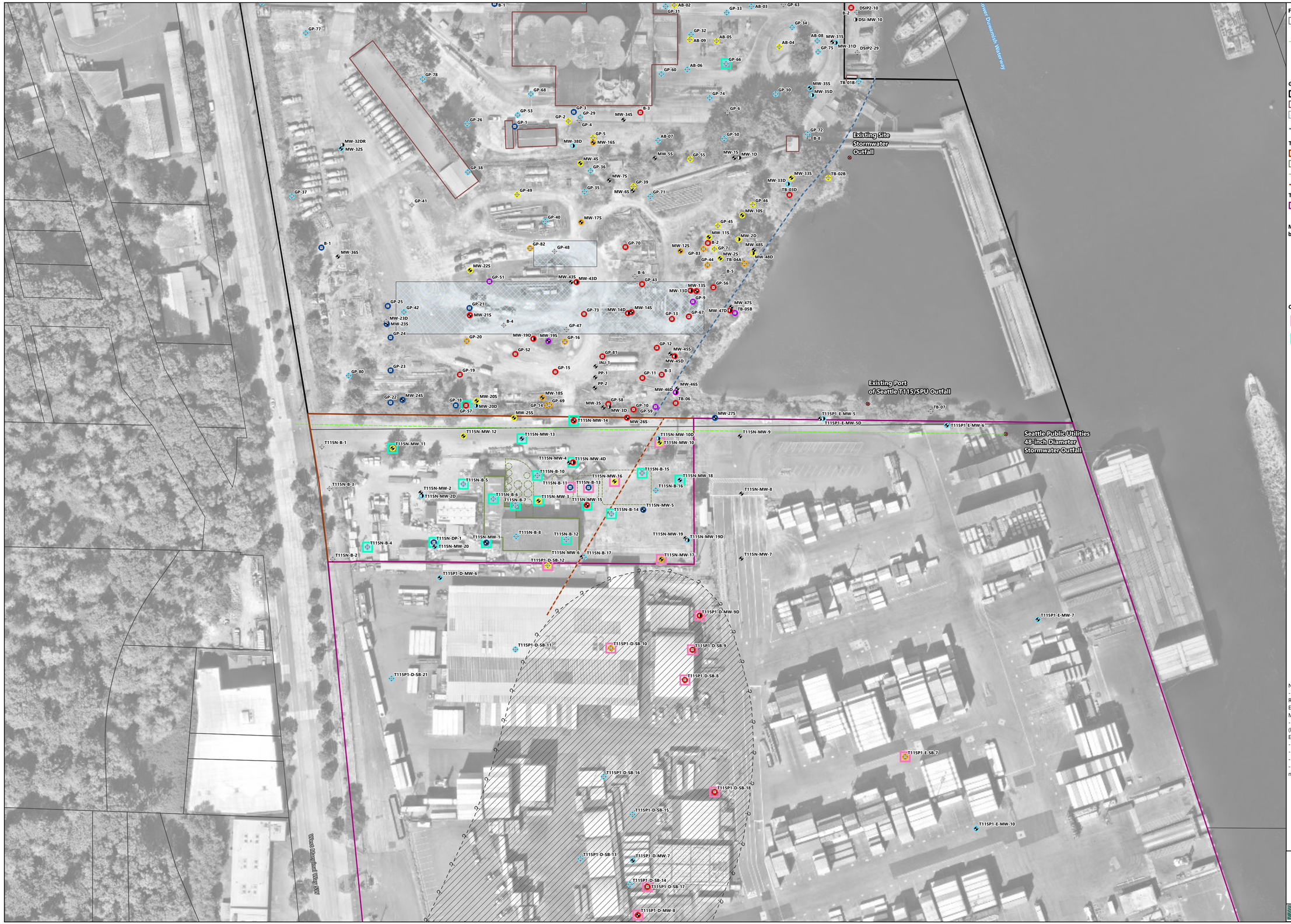
Notes:
- [1] = Features from Public Review Draft Remedial Investigation Report, Port of Seattle North – Terminal 115 (GeoEngineers, 2024). Exploration locations from Ecology's Environmental Information Management Database.
- [2] = Features from materials provided by the Port to Ecology (Refer to Attachment A). Exploration locations from Ecology's Environmental Information Management Database.
- bgs = below ground surface
- mg/kg = milligrams per kilogram
- SL = screening level
- Non-Glacier Metals = antimony, cadmium, lead, mercury, nickel, and/or selenium

0 35 70 140 Feet

Maximum Arsenic Concentration in Soil, 0 to 6 feet bgs

Arsenic CSM Along T115 Property Boundary Memo
Glacier Northwest, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

BLACK RIVER ENVIRONMENTAL	October 2026	AY / PM	FIGURE NO.
	PROJECT NO. 25006	REVISED BY: --	2



Features
- King County Tax Parcel
- Outfall
- Seattle Public Utilities 48" Diameter Stormwater Drain Line
- Shallow Monitoring Well
- Deep Monitoring Well
- Soil Boring

Glacier Northwest, Inc. Site
- Glacier Northwest Property Boundary
- Existing Buildings
- Historical Mineralized-Cell Opeartions Features
- Approximate Location of Historical Bulkhead / 1922 Shoreline

Terminal 115 North (T115N) Site[1]
- T115N Property Boundary
- Current Warehouse/Former Process Building
- Historical Tin Reclamation Operations Features
- Approximate Location of 1922 Shoreline

Terminal 115 Plant 1 (T115P1) Site[2]
- T115P1 Property Boundary
- Reported Extents of Cement Kiln Dust Fill Zone

Maximum Arsenic Concentration Detected in Soil, 6 to 15 feet bgs
- Not Detected
- 0-7.3 mg/kg
- 7.3-20 mg/kg
- 20-73 mg/kg
- 73-730 mg/kg
- 730+ mg/kg

Other Analytical Results in Soil, 6 to 15 feet bgs
- Lead **or** Lead and one or more of the other Non-Glacier Metals exceeds Preliminary SLs
- One or more of the other Non-Glacier Metals exceeds Preliminary SLs (and lead does not)

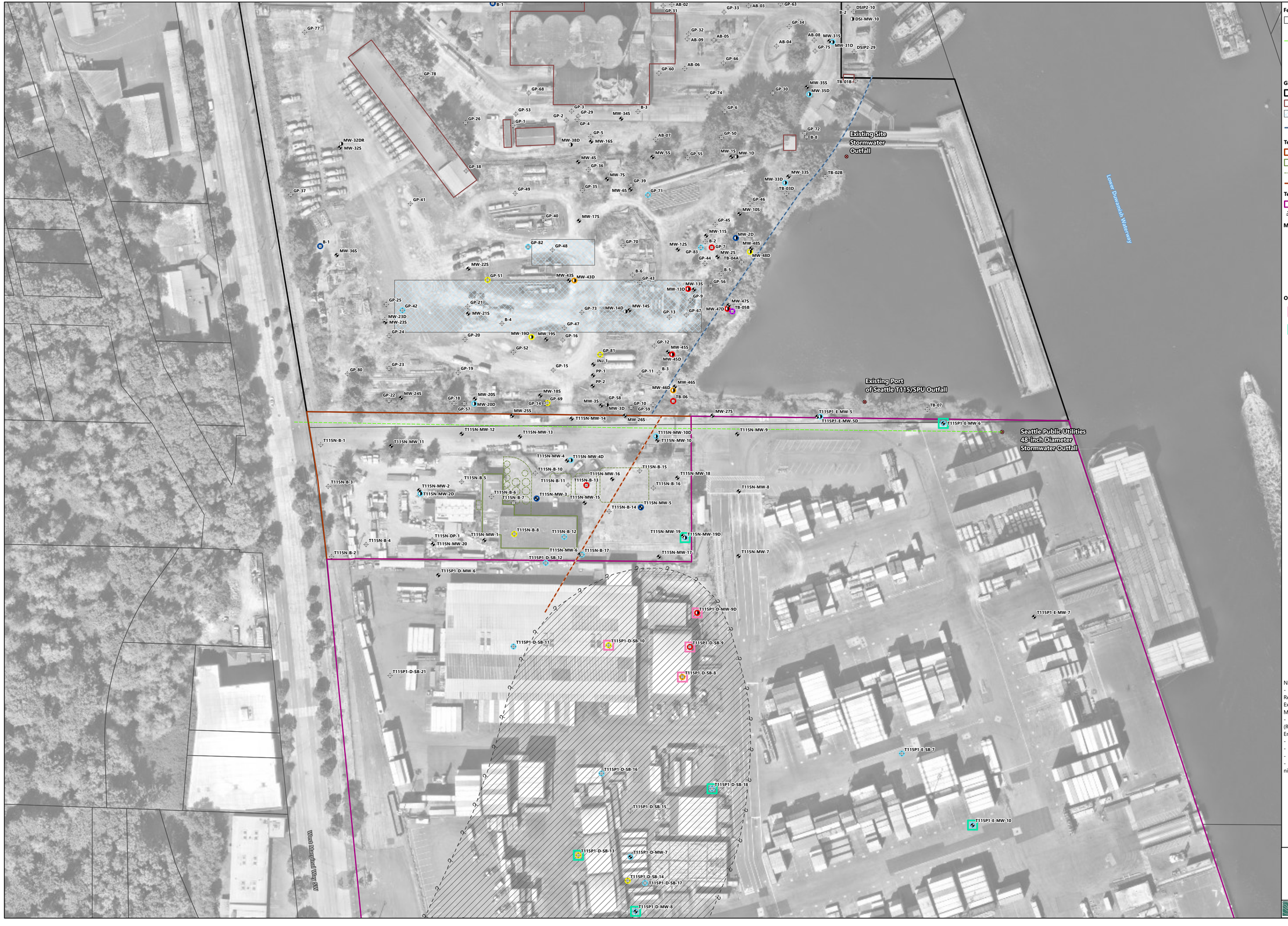
Notes:
- [1] = Features from Public Review Draft Remedial Investigation Report, Port of Seattle North – Terminal 115 (GeoEngineers, 2024). Exploration locations from Ecology's Environmental Information Management Database.
- [2] = Features from materials provided by the Port to Ecology (Refer to Attachment A). Exploration locations from Ecology's Environmental Information Management Database.
- bgs = below ground surface
- mg/kg = milligrams per kilogram
- SL = screening level
- Non-Glacier Metals = antimony, cadmium, lead, mercury, nickel, and/or selenium

0 35 70 140 Feet

Maximum Arsenic Concentration in Soil, 6 to 15 feet bgs

Arsenic CSM Along T115 Property Boundary Memo
Glacier Northwest, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

BLACK RIVER ENVIRONMENTAL	October 2026	AV / PM	FIGURE NO.
	PROJECT NO. 25006	REVISED BY: ---	3



Features

- King County Tax Parcel
- Outfall
- Seattle Public Utilities 48" Diameter Stormwater Drain Line
- Shallow Monitoring Well
- Deep Monitoring Well
- Soil Boring

Glacier Northwest, Inc. Site

- Glacier Northwest Property Boundary
- Existing Buildings
- Historical Mineralized-Cell Opeartions Features
- Approximate Location of Historical Bulkhead / 1922 Shoreline

Terminal 115 North (T115N) Site[1]

- T115N Property Boundary
- Current Warehouse/Former Process Building
- Historical Tin Reclamation Operations Features
- Approximate Location of 1922 Shoreline

Terminal 115 Plant 1 (T115P1) Site[2]

- T115P1 Property Boundary
- Reported Extents of Cement Kiln Dust Fill Zone

Maximum Arsenic Concentration Detected in Soil, 15+ feet bgs

- Not Detected
- 0-7.3 mg/kg
- 7.3-20 mg/kg
- 20-73 mg/kg
- 73-730 mg/kg
- 730+ mg/kg

Other Analytical Results in Soil, 15+ feet bgs

- Lead **or** Lead and one or more of the other Non-Glacier Metals exceeds Preliminary SLs
- One or more of the other Non-Glacier Metals exceeds Preliminary SLs (and lead does not)

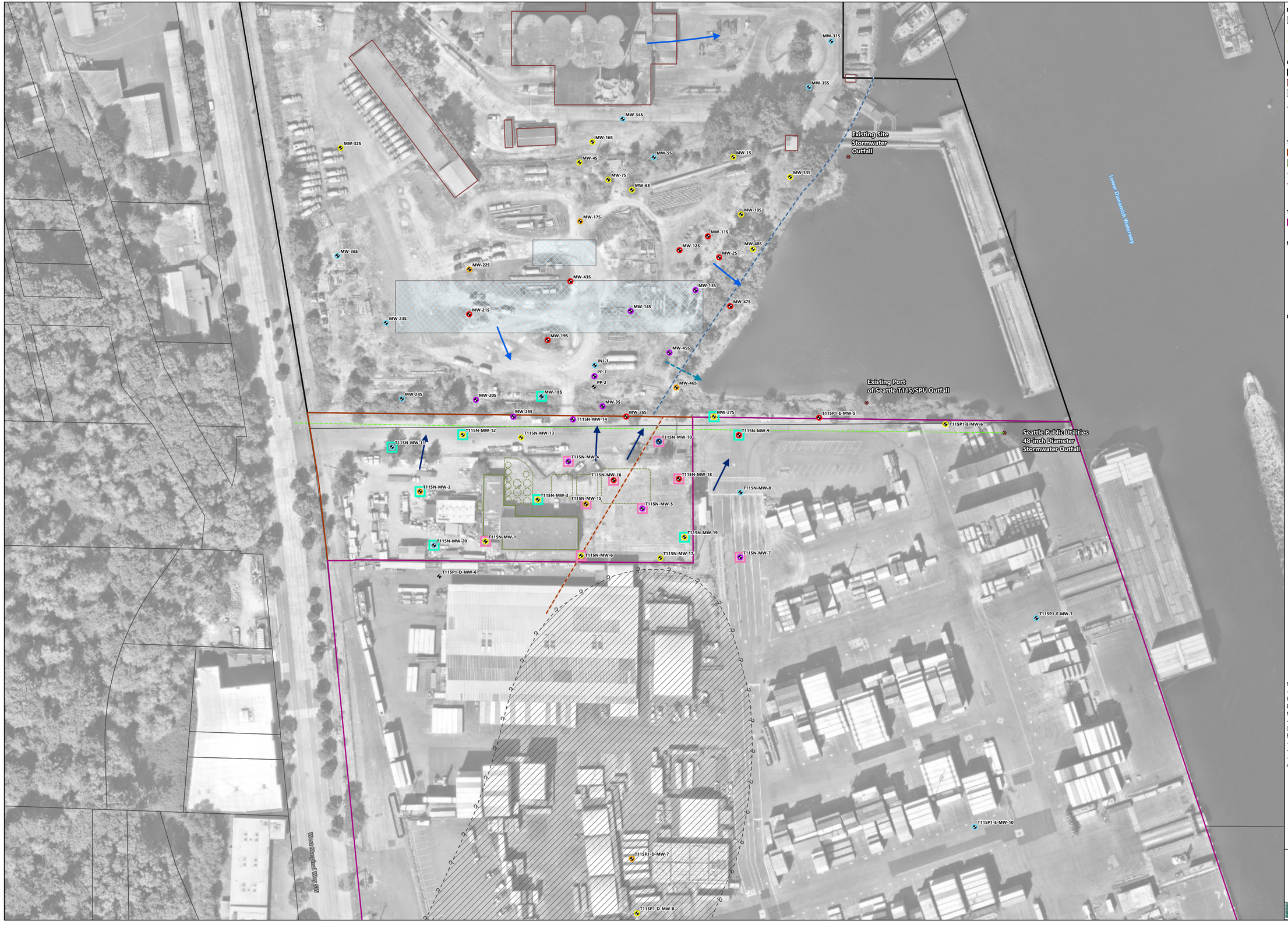
Notes:
- [1] = Features from Public Review Draft Remedial Investigation Report, Port of Seattle North – Terminal 115 (GeoEngineers, 2024). Exploration locations from Ecology's Environmental Information Management Database.
- [2] = Features from materials provided by the Port to Ecology (Refer to Attachment A). Exploration locations from Ecology's Environmental Information Management Database.
- bgs = below ground surface
- mg/kg = milligrams per kilogram
- SL = screening level
- Non-Glacier Metals = antimony, cadmium, lead, mercury, nickel, and/or selenium

0 35 70 140 Feet

Maximum Arsenic Concentration in Soil, 15+ feet bgs

Arsenic CSM Along T115 Property Boundary Memo
Glacier Northwest, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

BLACK RIVER ENVIRONMENTAL	October 2026	AY / PM	FIGURE NO.
	PROJECT NO. 25006	REVISED BY: —	4



Features

- King County Tax Parcel
- Outfall
- Seattle Public Utilities 48" Diameter Stormwater Drain Line
- Shallow Monitoring Well

Glacier Northwest, Inc. Site

- Glacier Northwest Property Boundary
- Existing Buildings
- Historical Mineralized-Cell Opeartions Features
- Approximate Location of Historical Bulkhead / 1922 Shoreline
- Shallow Groundwater Flow Direction – July 2013 Tidal Study
- Presumed Historical Shallow Groundwater Flow Direction

Terminal 115 North (T115N) Site[1]

- T115N Property Boundary
- Current Warehouse/Former Process Building
- Historical Tin Reclamation Operations Features
- Approximate Location of 1922 Shoreline
- Shallow Groundwater Flow Direction – May 2014 Tidal Study

Terminal 115 Plant 1 (T115P1) Site[2]

- T115P1 Property Boundary
- Reported Extents of Cement Kiln Dust Fill Zone

Most Recent Arsenic Concentration in Shallow Groundwater

- Not Detected
- 0-8 µg/L
- 8-40 µg/L
- 40-80 µg/L
- 80-800 µg/L
- 800+ µg/L

Other Analytical Results in Shallow Groundwater

- Lead **or** Lead and one or more of the other Non-Glacier Metals exceeds Preliminary SLs
- One or more of the other Non-Glacier Metals exceeds Preliminary SLs (and lead does not)

Notes:
- [1] = Features from Public Review Draft Remedial Investigation Report, Port of Seattle North – Terminal 115 (GeoEngineers, 2024). Exploration locations from Ecology's Environmental Information Management Database.
- [2] = Features from materials provided by the Port to Ecology (Refer to Attachment A). Exploration locations from Ecology's Environmental Information Management Database.
- µg/L = micrograms per liter
- SL = screening level
- Non-Glacier Metals = antimony, cadmium, lead, mercury, nickel, and/or selenium

0 35 70 140 Feet

Arsenic Concentrations in Shallow Groundwater

Arsenic CSM Along T115 Property Boundary Memo
Glacier Northwest, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

BLACK RIVER ENVIRONMENTAL	October 2026	AY / PM	FIGURE NO.
	PROJECT NO. 25006	REVISED BY: ---	5



Features

- King County Tax Parcel
- Outfall
- Seattle Public Utilities 48" Diameter Stormwater Drain Line
- Deep Monitoring Well

Glacier Northwest, Inc. Site

- Glacier Northwest Property Boundary
- Existing Buildings
- Historical Mineralized-Cell Opeartions Features
- Approximate Location of Historical Bulkhead / 1922 Shoreline
- Deep Groundwater Flow Direction – July 2013 Tidal Study

Terminal 115 North (T115N) Site[1]

- T115N Property Boundary
- Current Warehouse/Former Process Building
- Historical Tin Reclamation Operations Features
- Approximate Location of 1922 Shoreline
- Deep Groundwater Flow Direction – May 2014 Tidal Study

Terminal 115 Plant 1 (T115P1) Site[2]

- T115P1 Property Boundary
- Reported Extents of Cement Kiln Dust Fill Zone

Most Recent Arsenic Concentration in Deep Groundwater

- Not Detected
- 0-8 µg/L
- 8-40 µg/L
- 40-80 µg/L
- 80+ µg/L

Other Analytical Results in Deep Groundwater

- Lead **or** Lead and one or more of the other Non-Glacier Metals exceeds Preliminary SLs
- One or more of the other Non-Glacier Metals exceeds Preliminary SLs (and lead does not)

Notes:
- [1] = Features from Public Review Draft Remedial Investigation Report, Port of Seattle North – Terminal 115 (GeoEngineers, 2024). Exploration locations from Ecology's Environmental Information Management Database.
- [2] = Features from materials provided by the Port to Ecology (Refer to Attachment A). Exploration locations from Ecology's Environmental Information Management Database.
- µg/L = micrograms per liter
- SL = screening level
- Non-Glacier Metals = antimony, cadmium, lead, mercury, nickel, and/or selenium

0 35 70 140 Feet

Arsenic Concentrations in Deep Groundwater

Arsenic CSM Along T115 Property Boundary Memo
Glacier Northwest, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

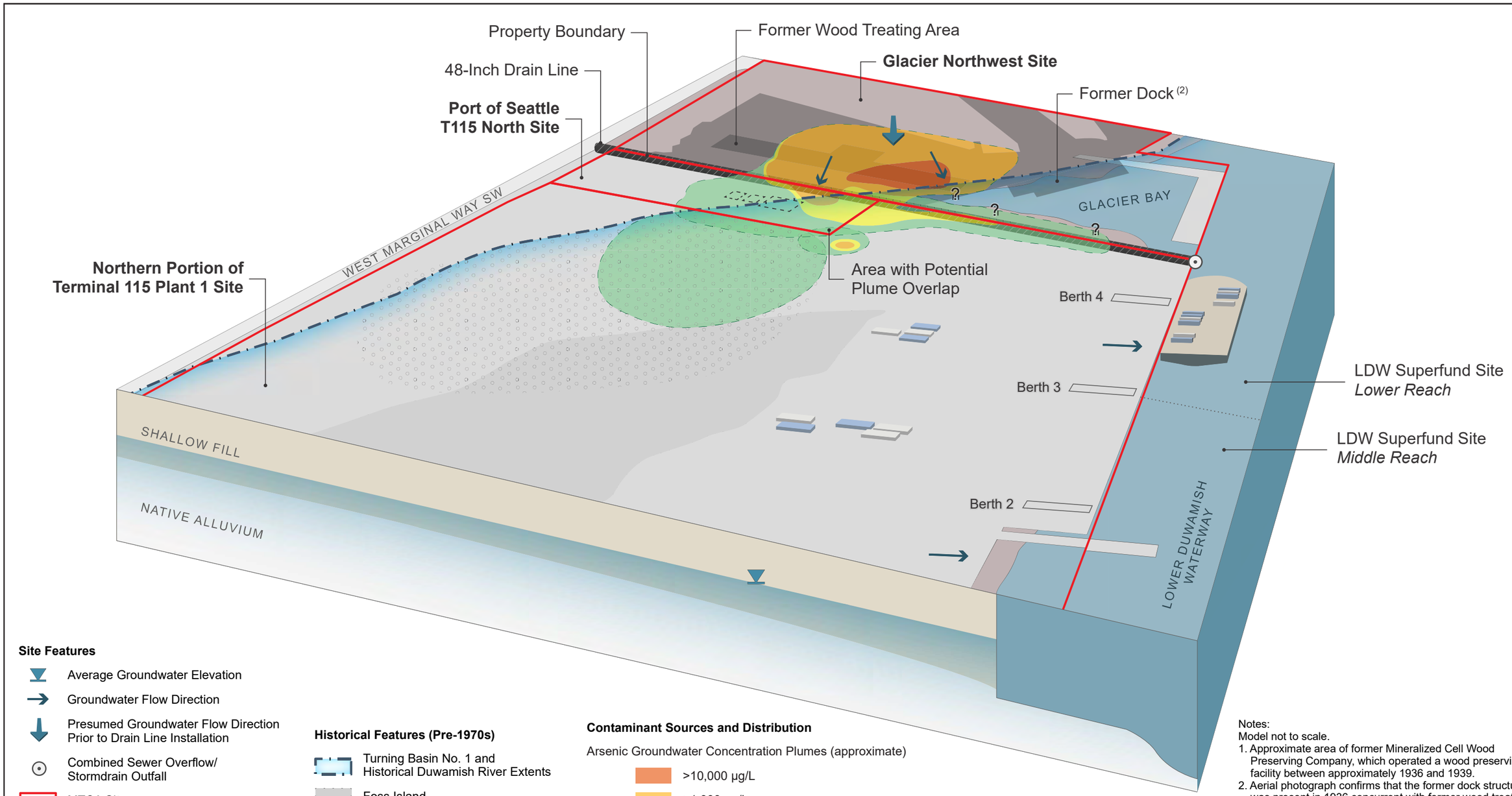
BLACK RIVER ENVIRONMENTAL	October 2026	AY / PM	FIGURE NO. 6
	PROJECT NO. 25006	REVISED BY: --	

ATTACHMENT A

SELECT COMMENTS PROVIDED BY THE PORT ON THE PUBLIC REVIEW DRAFT RI AND FIGURES PROVIDED BY THE PORT TO ECOLOGY

Cmt No	Comment	Original RI text section and statement
2	Add a definition/description in the RI that more explicitly describes the Glacier NW Site boundary based on the nature and extent of contamination from former operations on the Glacier NW Site, including a figure that clearly depicts the "Site". A key element of a RI is defining the "Site." The draft RI does not discuss or depict the proposed Site boundaries more specifically with respect to where one or more contaminants of potential concern (COPCs) have been detected in impacted media at concentrations greater than proposed CULs, as required by MTCA. Per WAC 173-340-200, "Site" means the same as "facility," which is defined as "any site or area where a hazardous substance, other than a consumer product in consumer use, has been deposited, stored, disposed of, or placed, or otherwise come to be located." Per WAC 173-340-350(5)(g)(ii)(C) the RI Report must include the "proposed site boundaries, as defined by where hazardous substances exceed the proposed cleanup levels [CULs]." The draft RI acknowledges (and Port investigations at T-115 North and T-115 Plant 1 have also confirmed) that contamination from the Glacier NW Site has migrated onto and continues to be located on the Port's T-115 property. For example: • Arsenic is a primary COPC for the Glacier NW Site present in groundwater at concentrations more than three orders of magnitude greater than the proposed CULs due to releases from former Mineralized Cell wood preservation operations conducted along the southern portion of the Glacier NW property between 1936 and 1939 (as described in Section 2.6.4 of the draft RI). Section 5.2.1.1 of the draft RI states "on the Port of Seattle property, arsenic in groundwater exceeding the SL [screening level] is laterally delineated to the east and west, but not to the south." This statement acknowledges that the arsenic plume from the Glacier NW Site has migrated onto Port property. o Figure 5-12 of the draft RI shows arsenic in shallow groundwater on T-115 property at concentrations greater than the SLs (term used as surrogate for proposed CUL as proposed CULs are not defined in the draft RI), which shows that arsenic in groundwater has migrated south from the Glacier NW site onto the T-115 property. These findings are consistent with data collected as part of separate RIs conducted for both the T-115 North and the T-115 Plant 1 cleanup sites (see attached arsenic figures). • Similarly, PCP is present at concentrations greater than SLs in shallow groundwater on the T-115 North Site, which likely originated from former Reichold operations on the Glacier NW property from 1946 to 1961 (Section 2.6.6 of the draft RI). PCP concentrations in shallow groundwater on the Glacier NW property are generally one or more orders of magnitude higher than PCP concentrations detected on the T-115 North Site. o Section 5.2.4.1 of the draft RI states: "PCP SL exceedances occur in shallow groundwater on the Port of Seattle property in monitoring wells MW-15, MW-16, and MW-10, and are bounded by monitoring wells MW-4, MW-3, MW-6, MW-5, and MW-18 on the Port of Seattle property (Figure 5-18). According to aerial photographs, regular filling activities were observed in the 1930s, 1940s, 1950s, 1960s, and the early 1970s (see also Section 2.7.2). The eastern portion of the Port of Seattle property was filled between 1963 and 1970 with gravel, sand, silt, concrete, bricks, coal, wood, garbage, and other miscellaneous materials (SES 2011) when the Port of Seattle owned both T-115 and the Property (the uplands and Embayment). These filling activities could have transported COPCs, such as PCP, from the Property onto T-115." The rationale for PCP occurrences in shallow groundwater on T-115 are speculative at best. Figure 5-17 of the draft RI (not Figure 5-18 as referred to in the draft RI) clearly shows PCP at high concentrations on the Glacier NW Site that extend continuously southward onto T-115 North, consistent with the trajectory of the arsenic plume. Also, there are no records or evidence that PCP was used on T-115 North Site. The Port acknowledges that there are separate localized sources of arsenic in groundwater in the northern portion of the T115, including the cement kiln dust (CKD) used as fill and elevated pH from the former settling ponds associated with former detinning operations. However, the arsenic concentrations attributed to these other sources are several orders of magnitude less than the arsenic plume concentrations associated with former Mineralized Cell wood treatment operations on the Glacier NW Site. Arsenic in the deeper groundwater also follows the same pattern as the shallow arsenic plume which is an additional line of evidence supporting that the arsenic from Glacier NW has migrated onto both T-115 North and T-115 Plant 1 sites.	2.2: Site described as "the geographic extent of contamination caused by the release of hazardous substances at the Site, including upland property, groundwater, the streambank, and adjacent tideflats, and portions of the LDW affected by the release of chemicals from the Site."
8	Given the relevance of the 48-inch SPU drainage pipe to the CSM (see Comment 11), it would be beneficial to include a stand-alone section in Section 2.5 of the draft RI about this pipe, including construction details. The pipe, which is located on both the Glacier NW and T-115 properties, is described in Section 2.10.2.1 as a preferential flow pathway for shallow groundwater that affects groundwater flow patterns at the Glacier NW, T-115 North and T-115 Plant 1 sites. Since the pipe installation in 1972, groundwater that was previously assumed to flow toward the historical LDW shoreline has been locally redirected toward the drainage pipe and a portion of the flow discharges to the pipe bedding as it traverses the property line.	2.10.2.1: General: SPU 48-inch diameter drainage pipe Groundwater elevation data indicate the presence of a depression in the groundwater table in the southeastern portion of the Site, which is caused by the 48-inch-diameter SPU stormwater line that runs parallel to and south of the Site (Figure 2-22) Groundwater immediately surrounding the SPU stormwater line has not been sampled, but groundwater data from nearby shallow monitoring wells MW-3S, MW-26S, and MW-27S, located on the Property and MW-14, located on the Port of Seattle property are indicative of the quality of groundwater discharging to the bedding material of the SPU stormwater line."
10	Factual correction: Section 5.2.4.1 incorrectly implies that 1960s filling activities at the Glacier NW property and the T115 property were related, such that the "filling activities could have transported COPCs . . . from the [Glacier] Property onto T-115." These filling events were in fact distinct projects completed by different parties, as shown in the photos in Appendix A1: (1) the T-115 North Site (complete by approximately 1963), (2) Kaiser's development of a cement terminal on the Glacier NW property (complete by 1968), and (3) T-115 Plant 1 areas east of T-115 North (not begun until 1969 or 1970).	5.2.4.1: Description of site history and filling activities.

Cmt No	Comment	Original RI text section and statement
11	The focused CSM figure attached illustrates how the arsenic groundwater plume migrated from the Glacier NW property toward the historical shoreline and onto the T-115 property. After filling the eastern portion of T-115 North, plume migration continued into those areas. After installation of the SPU drainage pipe in 1972 (see Comment 9), localized groundwater flow shifted toward the pipe. Pipe bedding, which is at the same elevation as shallow groundwater, provides a preferential pathway for groundwater contaminants (i.e., arsenic) to be intercepted and flow towards the LDW, while the rest of the plume continues to migrate onto T-115 property. Elevated arsenic concentrations in shallow groundwater near the drainpipe confirm migration onto the T-115 property (refer to arsenic figures and cross section). The CSM in the draft RI should be updated to also include preferential migration of contaminated groundwater along the pipe bedding and onto T-115 property. Also, considering its immediate downgradient location from the former arsenic source area, include an analysis of the pipe's effects on the arsenic groundwater migration as part of the CSM, including how the pipe bedding and tidal flushing along the pipe bedding affect arsenic plume migration. This information is important and will help inform the Glacier NW Site Feasibility Study and later design documents.	7.5.2.2: General: Preferential Migration Pathways As discussed in Section 2.10.2.1, groundwater in the southern portion of the Site and under the Port of Seattle property appears to be influenced by a preferential pathway along the 48-inch diameter SPU stormwater line located south of the Site.
15	A significant reduction of source area arsenic concentrations in groundwater at the Glacier NW Site is observed over time as evidenced in a recent June 2026 FS Data Gaps Report (e.g., GMW-45S). Conversely, arsenic data on the T-115 North Site indicates increasing trends (e.g., MW-9) along the SPU drainage pipe, suggesting continued migration of the plume to the east along the pipe. The recent data gaps data were collected after the Glacier NW RI was completed and are therefore not included in the draft RI. The nature and extent and CSM discussion in the draft RI report should include more specific details regarding the changes of the arsenic plume over time and specific discharge locations. Current and historical mass loading or flux from the Glacier NW Site and off the property should be discussed in the RI and considered as part of the FS. The Port recommends incorporation of the recent data gaps investigation findings into the RI. The RI should be revised to include the more recent data and relevant updates to the CSM.	No specific section: General Comments



Site Features

- Average Groundwater Elevation
- Groundwater Flow Direction
- Presumed Groundwater Flow Direction Prior to Drain Line Installation
- Combined Sewer Overflow/ Stormdrain Outfall
- MTCA Site
- Paved Area
- Unpaved Area
- Surface Water

Historical Features (Pre-1970s)

- Turning Basin No. 1 and Historical Duwamish River Extents
- Foss Island
- Former Mineralized Cell Operations Area (1)
- Former Settling Pond (approximate location)

Contaminant Sources and Distribution

Arsenic Groundwater Concentration Plumes (approximate)

- >10,000 µg/L
- >1,000 µg/L
- >100 µg/L
- >8 µg/L
- Cement Kiln Dust Fill Area (approximate)

Notes:
Model not to scale.
1. Approximate area of former Mineralized Cell Wood Preserving Company, which operated a wood preserving facility between approximately 1936 and 1939.
2. Aerial photograph confirms that the former dock structure was present in 1936 concurrent with former wood treatment operations, but records are not available to verify the timing of dock construction/demolition or usage.

Abbreviations:
LDW = Lower Duwamish Waterway
µg/L = Micrograms per liter
MTCA = Model Toxics Control Act

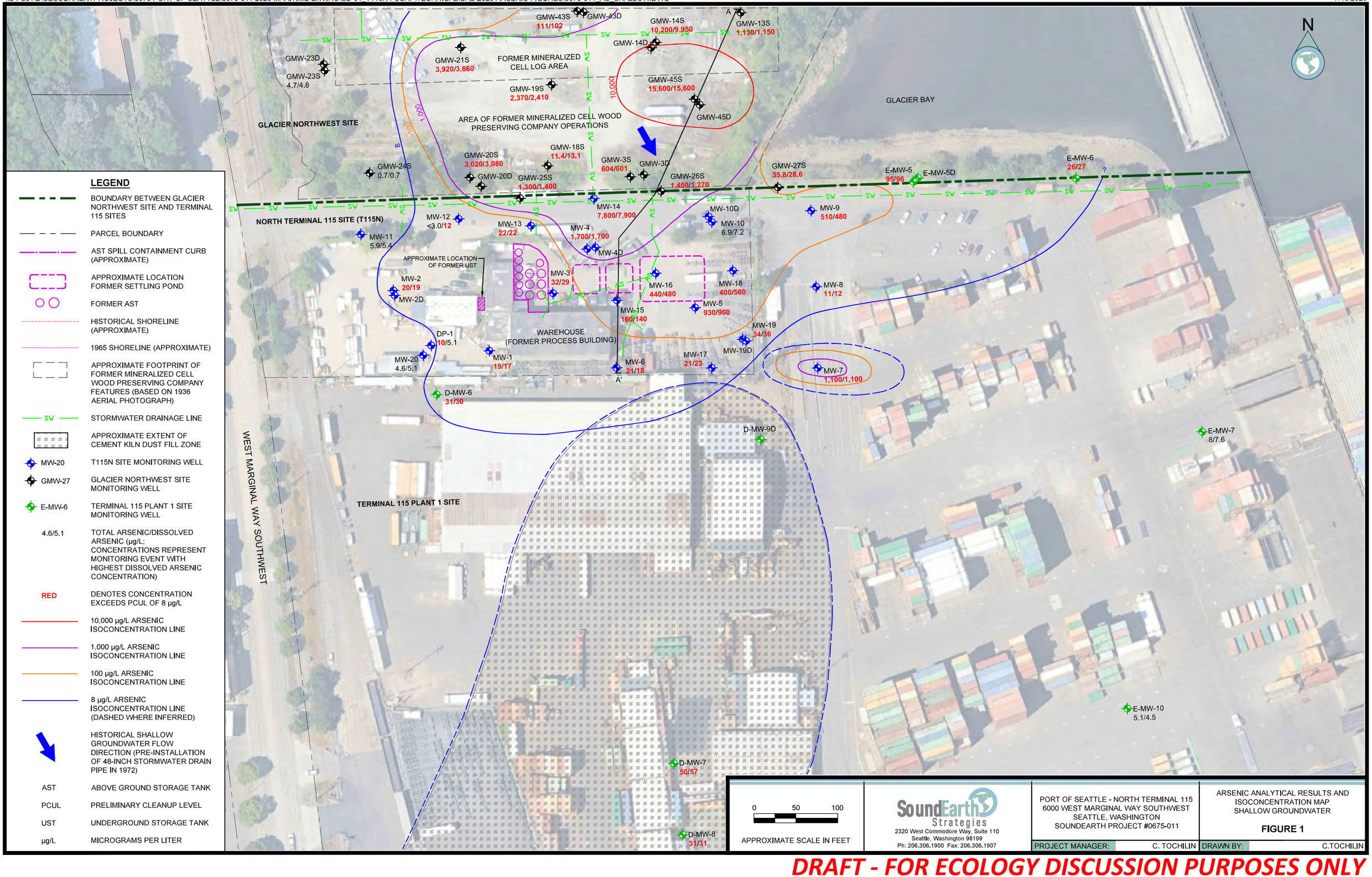
FLOYD | SNIDER
strategy • science • engineering

Terminal 115 Plant 1 Site
Seattle, Washington

Focus Area Conceptual Site Model

I:\GIS\Projects\POS-Maritime\SD01_T-115\00-AI\Remedial Investigation\Glacier NW Arsenic\Focus Area Conceptual Site Model.ai
7/15/2026

DRAFT for Ecology Discussion Purposes Only



LEGEND

- BOUNDARY BETWEEN GLACIER NORTHWEST SITE AND TERMINAL 115 SITES
- PARCEL BOUNDARY
- AST SPILL CONTAINMENT CURB (APPROXIMATE)
- APPROXIMATE LOCATION FORMER SETTLING POND
- FORMER AST
- HISTORICAL SHORELINE (APPROXIMATE)
- 1965 SHORELINE (APPROXIMATE)
- APPROXIMATE FOOTPRINT OF FORMER MINERALIZED CELL WOOD PRESERVING COMPANY FEATURES (BASED ON 1936 AERIAL PHOTOGRAPH)
- SW — STORMWATER DRAINAGE LINE
- APPROXIMATE EXTENT OF CEMENT KILN DUST FILL ZONE
- MW-20 — T115N SITE MONITORING WELL
- GMW-27 — GLACIER NORTHWEST SITE MONITORING WELL
- E-MW-6 — TERMINAL 115 PLANT 1 SITE MONITORING WELL
- 4.6/5.1 — TOTAL ARSENIC/DISSOLVED ARSENIC (µg/L; CONCENTRATIONS REPRESENT MONITORING EVENT WITH HIGHEST DISSOLVED ARSENIC CONCENTRATION)
- RED — DENOTES CONCENTRATION EXCEEDS PCUL OF 8 µg/L
- 10,000 µg/L ARSENIC ISOCONCENTRATION LINE
- 1,000 µg/L ARSENIC ISOCONCENTRATION LINE
- 100 µg/L ARSENIC ISOCONCENTRATION LINE
- 8 µg/L ARSENIC ISOCONCENTRATION LINE (DASHED WHERE INFERRED)
- HISTORICAL SHALLOW GROUNDWATER FLOW DIRECTION (PRE-INSTALLATION OF 48-INCH STORMWATER DRAIN PIPE IN 1972)
- AST — ABOVE GROUND STORAGE TANK
- PCUL — PRELIMINARY CLEANUP LEVEL
- UST — UNDERGROUND STORAGE TANK
- µg/L — MICROGRAMS PER LITER

0 50 100

APPROXIMATE SCALE IN FEET

SoundEarth Strategies
2320 West Commodore Way, Suite 110
Seattle, Washington 98199
Ph: 206.306.1900 Fax: 206.306.1907

PORT OF SEATTLE - NORTH TERMINAL 115
6000 WEST MARGINAL WAY SOUTHWEST
SEATTLE, WASHINGTON
SOUNDEARTH PROJECT #0675-011

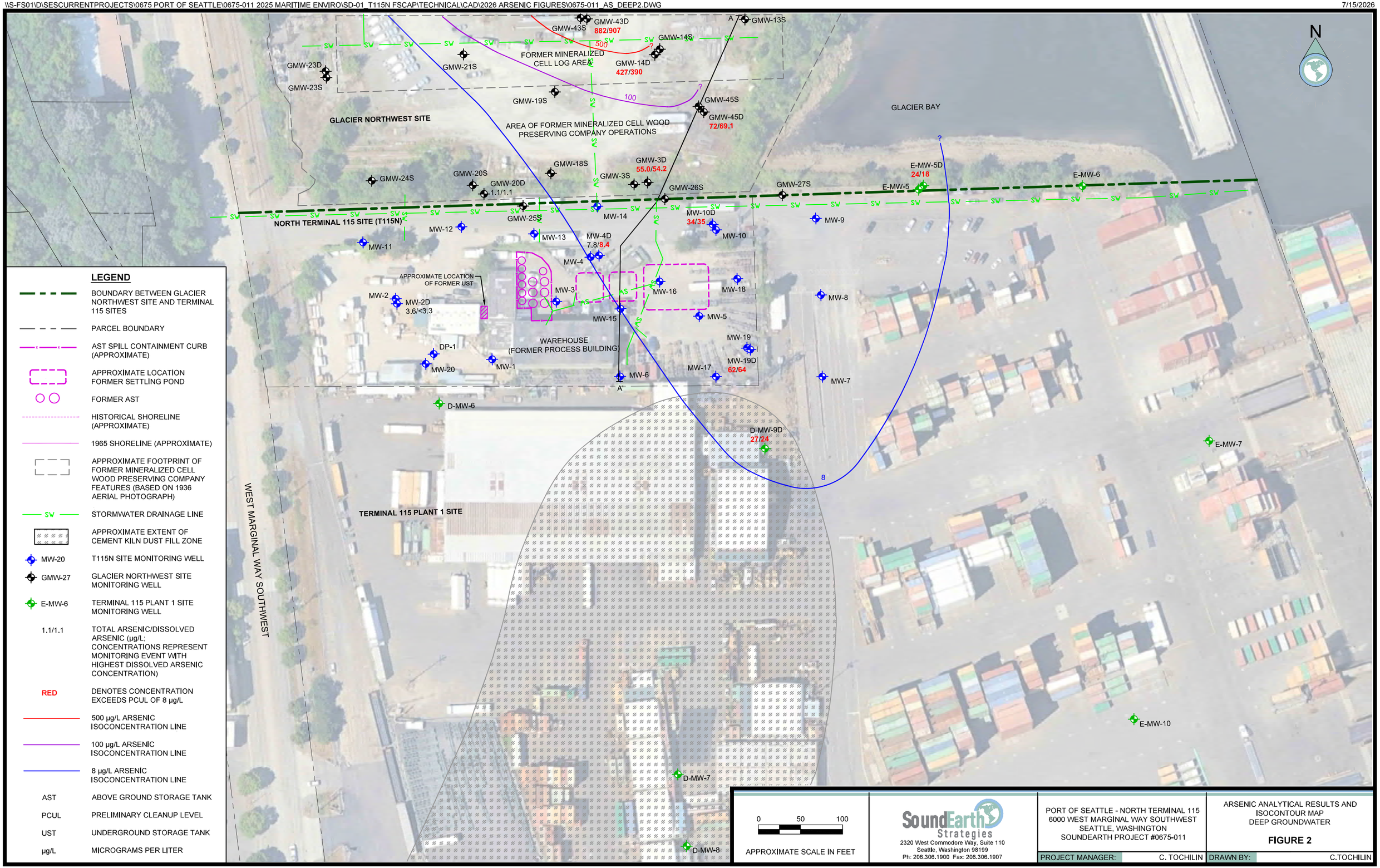
PROJECT MANAGER: C. TOCHILIN

ARSENIC ANALYTICAL RESULTS AND ISOCONCENTRATION MAP
SHALLOW GROUNDWATER

FIGURE 1

DRAWN BY: C.TOCHILIN

DRAFT - FOR ECOLOGY DISCUSSION PURPOSES ONLY



LEGEND

- BOUNDARY BETWEEN GLACIER NORTHWEST SITE AND TERMINAL 115 SITES
- PARCEL BOUNDARY
- AST SPILL CONTAINMENT CURB (APPROXIMATE)
- APPROXIMATE LOCATION FORMER SETTLING POND
- FORMER AST
- HISTORICAL SHORELINE (APPROXIMATE)
- 1965 SHORELINE (APPROXIMATE)
- APPROXIMATE FOOTPRINT OF FORMER MINERALIZED CELL WOOD PRESERVING COMPANY FEATURES (BASED ON 1936 AERIAL PHOTOGRAPH)
- SW — STORMWATER DRAINAGE LINE
- APPROXIMATE EXTENT OF CEMENT KILN DUST FILL ZONE
- MW-20 — T115N SITE MONITORING WELL
- GMW-27 — GLACIER NORTHWEST SITE MONITORING WELL
- E-MW-6 — TERMINAL 115 PLANT 1 SITE MONITORING WELL
- 1.1/1.1 — TOTAL ARSENIC/DISSOLVED ARSENIC (µg/L; CONCENTRATIONS REPRESENT MONITORING EVENT WITH HIGHEST DISSOLVED ARSENIC CONCENTRATION)
- RED — DENOTES CONCENTRATION EXCEEDS PCUL OF 8 µg/L
- 500 µg/L ARSENIC ISOCONCENTRATION LINE
- 100 µg/L ARSENIC ISOCONCENTRATION LINE
- 8 µg/L ARSENIC ISOCONCENTRATION LINE

AST	ABOVE GROUND STORAGE TANK
PCUL	PRELIMINARY CLEANUP LEVEL
UST	UNDERGROUND STORAGE TANK
µg/L	MICROGRAMS PER LITER

0 50 100

APPROXIMATE SCALE IN FEET

SoundEarth Strategies
2320 West Commodore Way, Suite 110
Seattle, Washington 98199
Ph: 206.306.1900 Fax: 206.306.1907

PORT OF SEATTLE - NORTH TERMINAL 115
6000 WEST MARGINAL WAY SOUTHWEST
SEATTLE, WASHINGTON
SOUNDEARTH PROJECT #0675-011

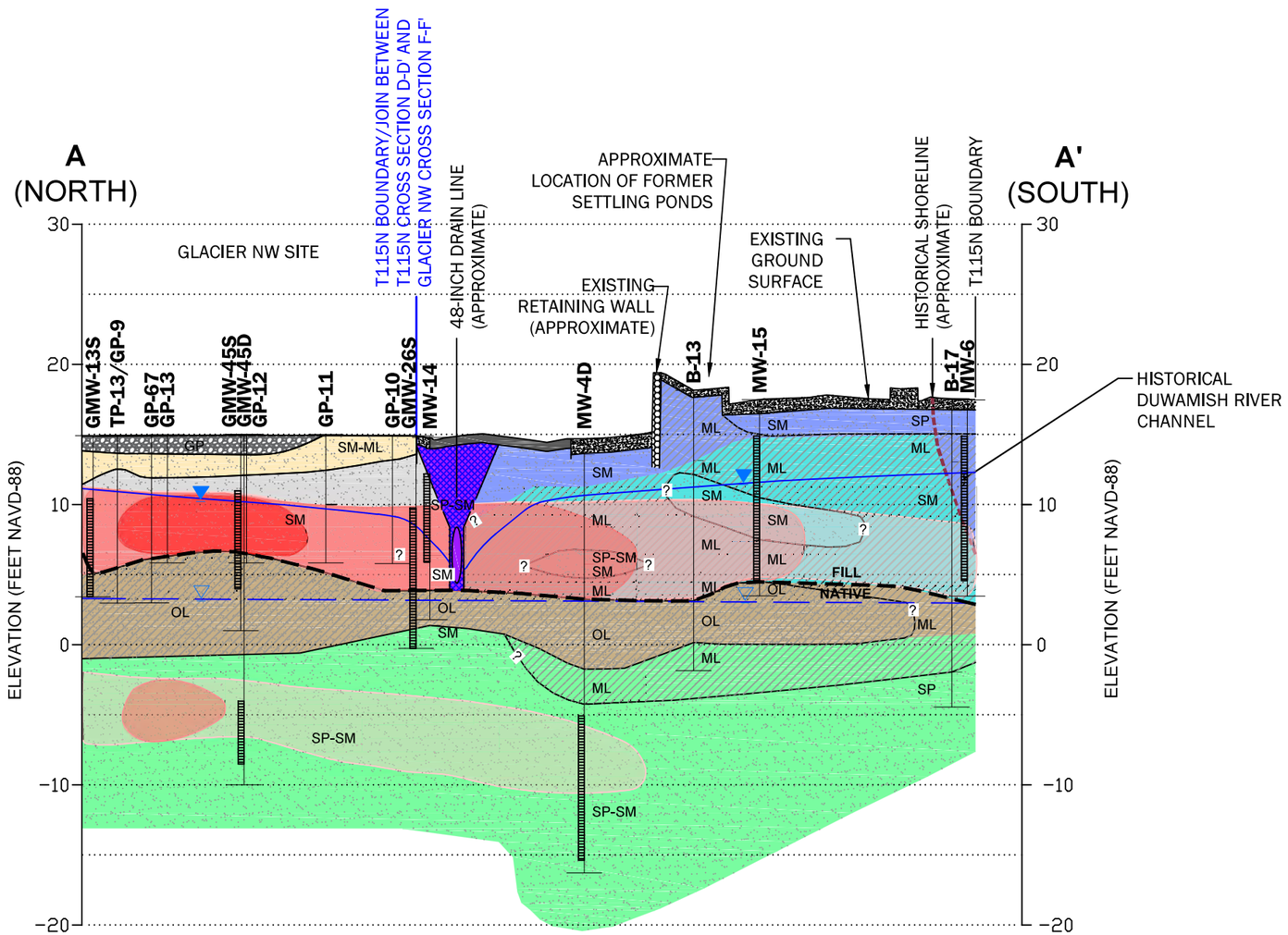
ARSENIC ANALYTICAL RESULTS AND ISOCONTOUR MAP
DEEP GROUNDWATER

FIGURE 2

PROJECT MANAGER: C. TOCHILIN
DRAWN BY: C.TOCHILIN

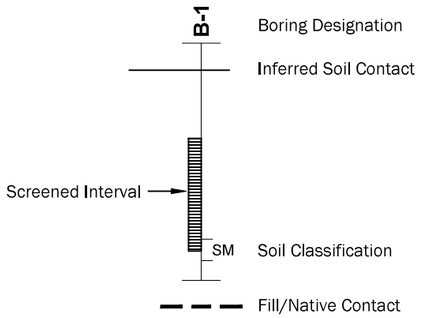
DRAFT - FOR ECOLOGY DISCUSSION PURPOSES ONLY

7/15/2026
\\S-FS01\DISESCURRENTPROJECTS\0675 PORT OF SEATTLE\0675-011 2025 MARITIME ENVIRO\SD-01_T115N FSCAP\TECHNICAL\CAD\2026 ARSENIC FIGURES\0675-011_X-SECTION D-D-EXT.DWG



LEGEND

Exploration/Monitoring Well



Material Type

- Sand/Silt and Sand/Gravel (Cohesionless Soil)
- Silt/Clay (Cohesive Soil)
- Organic Silt (Organic Cohesive Soil)
- Trench Backfill
- Concrete Surface
- Asphalt Surface

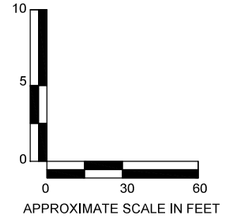
Stratigraphic Unit

- Alluvial Deposit
- Organic Silt
- Initial Fill
- Dredged Fill
- Operational Fill
- Silty Sand to Sandy Silt (Shallow Fill)
- Recent Gravel (Fill)
- Storm Drain Line Fill

- Shallow Aquifer Potentiometric Surface (approximate)
- Deep Aquifer Potentiometric Surface (approximate)
- Arsenic Concentration in Groundwater >10,000 micrograms per liter
- Arsenic Concentration in Groundwater >1,000 micrograms per liter
- Arsenic Concentration in Groundwater >100 micrograms per liter
- Arsenic Concentration in Groundwater >8 micrograms per liter

Notes:
1. Line of cross section depicted on Figures 1 and 2.
2. The locations of all features shown are approximate.

Reference: Cross section modified from Figure 5-3 of the GeoEngineers Public Review Draft Remedial Investigation Report for the T115N Site dated July 19, 2024, and Figure 2-19 of the ERM Remedial Investigation Report Public Review Draft for the Glacier NW Site dated July 19, 2024.



SoundEarth Strategies
WWW.SOUNDEARTHINC.COM

PORT OF SEATTLE - NORTH TERMINAL 115
6000 WEST MARGINAL WAY SOUTHWEST
SEATTLE, WASHINGTON
SOUNDEARTH PROJECT #0675-011

CROSS SECTION A-A'

FIGURE 3

PROJECT MANAGER: C.TOCHILIN
DRAWN BY: C.TOCHILIN

DRAFT - FOR ECOLOGY DISCUSSION PURPOSES ONLY

ATTACHMENT B

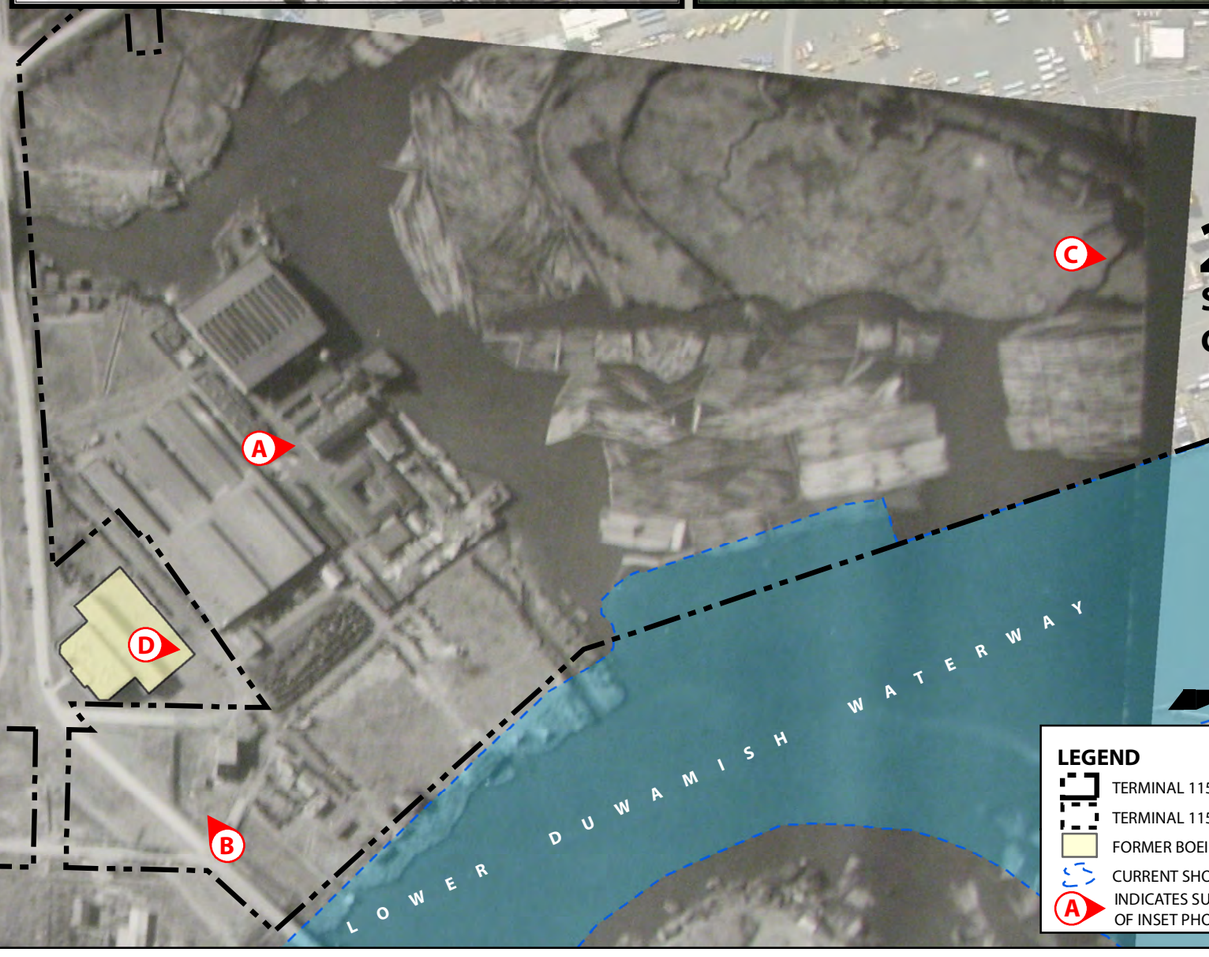
AERIAL PHOTOGRAPHS FROM THE TERMINAL 115 ENVIRONMENTAL CONDITIONS REPORT (APPENDIX A)











2010
SOURCE:
GOOGLE EARTH

1929
SOURCE: CITY OF SEATTLE

0 150 300 450 600
Feet

N

LEGEND

- TERMINAL 115 BOUNDARY
- TERMINAL 115 NORTH BOUNDARY
- FORMER BOEING ADMINISTRATION BUILDING
- CURRENT SHORELINE
- A — INDICATES SUBJECT AND ORIENTATION OF INSET PHOTOGRAPH

APPENDIX A: PHOTO A-1
1922-1929

PROJECT NUMBER:..... 0675-001-01
ADDRESS:..... WEST MARGINAL WAY SW
CITY, STATE:..... SEATTLE, WASHINGTON

DATE:..... 11/1/10
DRAWN BY:..... NAC
CHECKED BY:..... CMC

SoundEarth Strategies



N

FOSS ISLAND

MCALLISTER SLOUGH

A

TURNING
BASIN NO.1

L O W E R D U W A M I S H W A T E R W A Y

1936
SOURCE: KING COUNTY IMAP

0 150 300 450 600
Feet

LEGEND

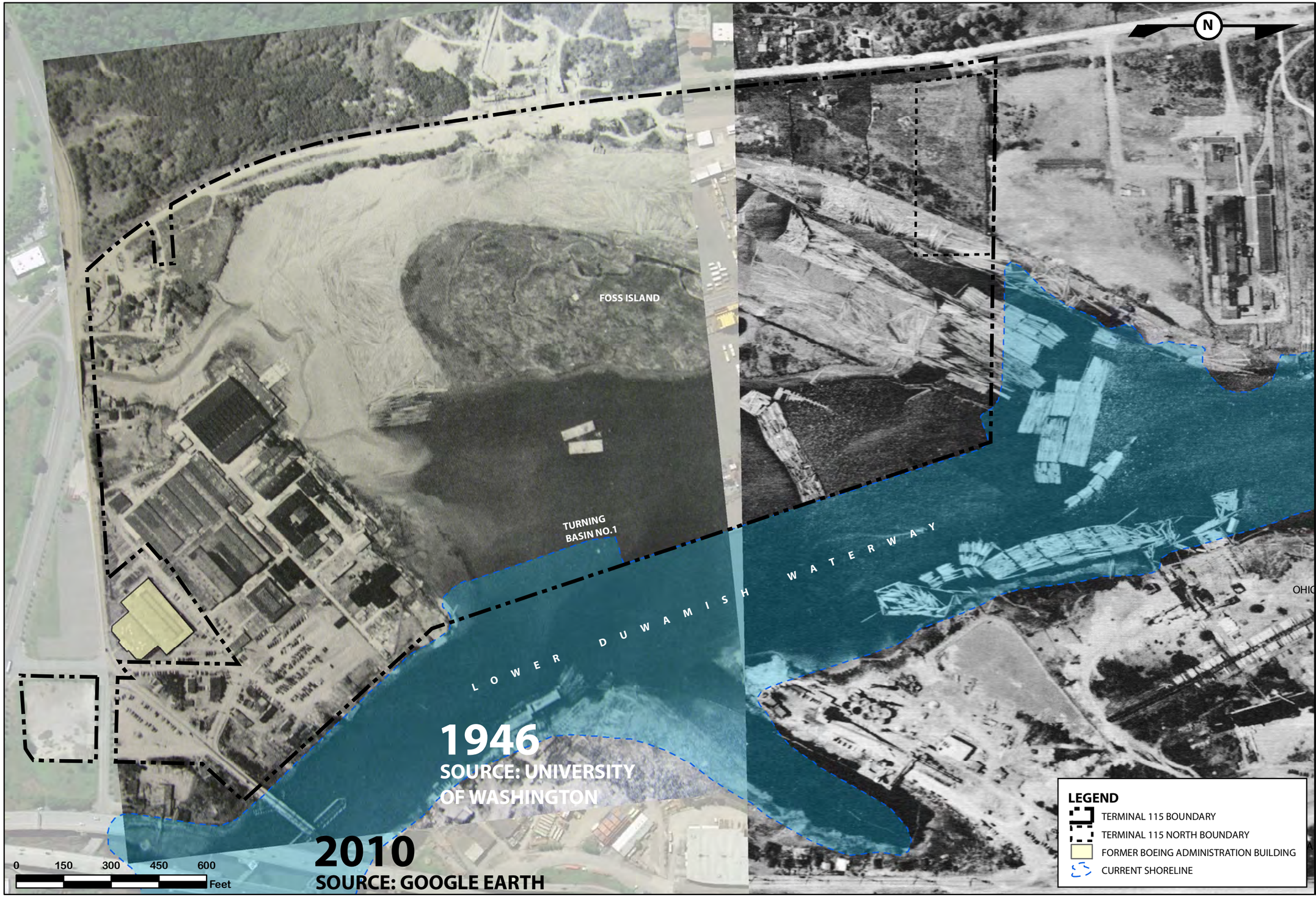
- TERMINAL 115 BOUNDARY
- TERMINAL 115 NORTH BOUNDARY
- FORMER BOEING ADMINISTRATION BUILDING
- CURRENT SHORELINE
- A INDICATES SUBJECT AND ORIENTATION OF INSET PHOTOGRAPH

APPENDIX A: PHOTO A-2
1936-1938

PROJECT NUMBER:..... 0675-001-01
ADDRESS:..... WEST MARGINAL WAY SW
CITY, STATE:..... SEATTLE, WASHINGTON

DATE: 11/1/10
DRAWN BY:..... NAC
CHECKED BY:..... CMC

SoundEarth Strategies



APPENDIX A: PHOTO A-3

1946

PROJECT NUMBER:..... 0675-001-01
ADDRESS:..... WEST MARGINAL WAY SW
CITY, STATE:..... SEATTLE, WASHINGTON

DATE:..... 11/1/10
DRAWN BY:..... NAC
CHECKED BY:..... CMC

SoundEarth Strategies



1956
SOURCE: NATIONAL ARCHIVES

2010
SOURCE: GOOGLE EARTH

N

FOSS ISLAND

TURNING
BASIN NO.1

L O W E R D U W A M I S H W A T E R W A Y

A

0 150 300 450 600
Feet

LEGEND

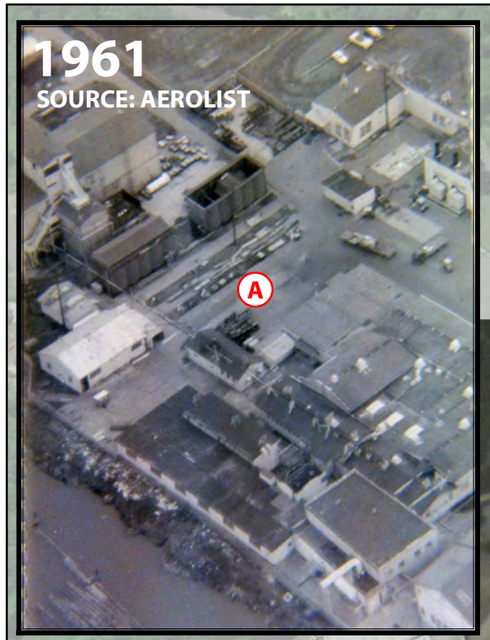
- TERMINAL 115 BOUNDARY
- TERMINAL 115 NORTH BOUNDARY
- FORMER BOEING ADMINISTRATION BUILDING
- CURRENT SHORELINE
- A INDICATES SUBJECT AND ORIENTATION OF INSET PHOTOGRAPH

APPENDIX A: PHOTO A-4
1954-1956

PROJECT NUMBER:..... 0675-001-01
ADDRESS:..... WEST MARGINAL WAY SW
CITY, STATE:..... SEATTLE, WASHINGTON

DATE: 11/1/10
DRAWN BY:..... NAC
CHECKED BY:..... CMC

SoundEarth Strategies





2010
SOURCE: GOOGLE EARTH

1961
SOURCE: UNIVERSITY
OF WASHINGTON

FOSS ISLAND

TURNING
BASIN NO.1

LOWER DUWAMISH WATERWAY

A

B

N

0 150 300 450 600
Feet

LEGEND

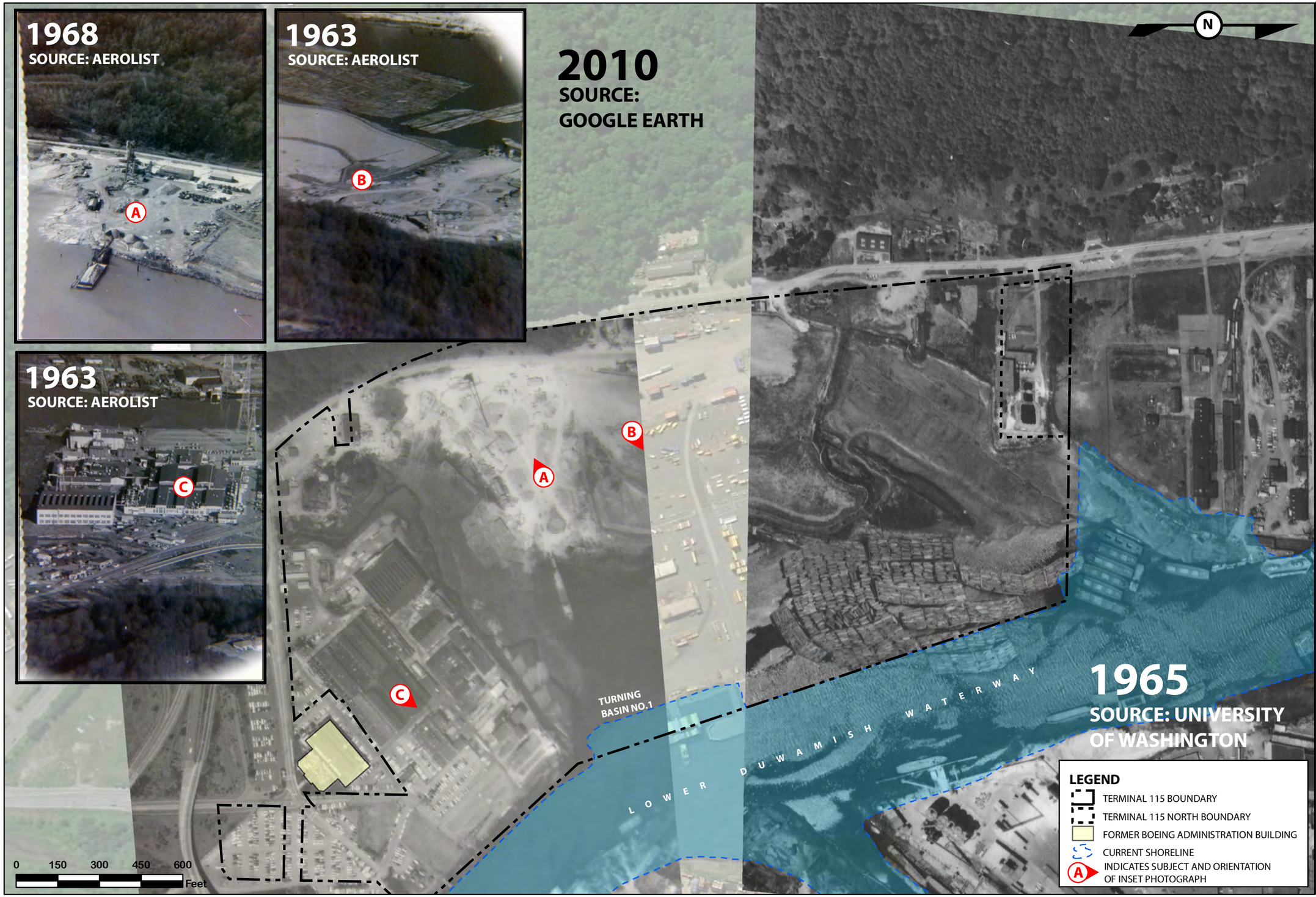
- TERMINAL 115 BOUNDARY
- TERMINAL 115 NORTH BOUNDARY
- FORMER BOEING ADMINISTRATION BUILDING
- CURRENT SHORELINE
- A — INDICATES SUBJECT AND ORIENTATION OF INSET PHOTOGRAPH

APPENDIX A: PHOTO A-5
1961

PROJECT NUMBER:.... 0675-001-01
ADDRESS:..... WEST MARGINAL WAY SW
CITY, STATE:..... SEATTLE, WASHINGTON

DATE:..... 11/1/10
DRAWN BY:..... NAC
CHECKED BY:.... CMC

SoundEarth Strategies



APPENDIX A: PHOTO A-6
1963-1968

PROJECT NUMBER:.... 0675-001-01
ADDRESS:..... WEST MARGINAL WAY SW
CITY, STATE:..... SEATTLE, WASHINGTON

DATE: 11/1/10
DRAWN BY:..... NAC
CHECKED BY:.... CMC

SoundEarth Strategies







N

A

B

C

LOWER DUWAMISH WATERWAY

1970
SOURCE: UNIVERSITY
OF WASHINGTON

0 150 300 450 600
Feet

LEGEND

- TERMINAL 115 BOUNDARY
- TERMINAL 115 NORTH BOUNDARY
- FORMER BOEING ADMINISTRATION BUILDING
- CURRENT SHORELINE
- A — INDICATES SUBJECT AND ORIENTATION OF INSET PHOTOGRAPH

APPENDIX A: PHOTO A-7
1969-1970

PROJECT NUMBER:.... 0675-001-01
ADDRESS:..... WEST MARGINAL WAY SW
CITY, STATE:..... SEATTLE, WASHINGTON

DATE:..... 11/1/10
DRAWN BY:..... NAC
CHECKED BY:.... CMC

SoundEarth Strategies



1970
SOURCE: AEROLIST

N

A

L O W E R D U W A M I S H W A T E R W A Y

1978
SOURCE: UNIVERSITY OF WASHINGTON

0 150 300 450 600
Feet

LEGEND
- TERMINAL 115 BOUNDARY
- TERMINAL 115 NORTH BOUNDARY
- FORMER BOEING ADMINISTRATION BUILDING
- CURRENT SHORELINE
- A INDICATES SUBJECT AND ORIENTATION OF INSET PHOTOGRAPH

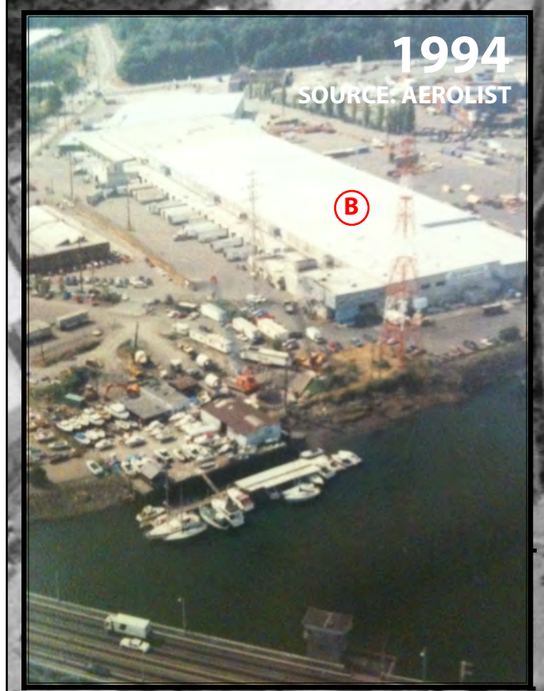
APPENDIX A: PHOTO A-8
1970-1978

PROJECT NUMBER:.... 0675-001-01
ADDRESS:..... WEST MARGINAL WAY SW
CITY, STATE:..... SEATTLE, WASHINGTON

DATE:..... 11/1/10
DRAWN BY:..... NAC
CHECKED BY:..... CMC

SoundEarth Strategies





1990
SOURCE: UNITED STATES GEOLOGICAL SURVEY

0 150 300 450 600
Feet

N

A

B

LOWER DUWAMISH WATERWAY

LEGEND

- TERMINAL 115 BOUNDARY
- TERMINAL 115 NORTH BOUNDARY
- FORMER BOEING ADMINISTRATION BUILDING
- CURRENT SHORELINE
- A — INDICATES SUBJECT AND ORIENTATION OF INSET PHOTOGRAPH

APPENDIX A: PHOTO A-9
1990-1994

PROJECT NUMBER:.... 0675-001-01
ADDRESS:..... WEST MARGINAL WAY SW
CITY, STATE:..... SEATTLE, WASHINGTON

DATE:..... 11/1/10
DRAWN BY:..... NAC
CHECKED BY:.... CMC

SoundEarth Strategies

N

LOWER DUWAMISH WATERWAY

2002
SOURCE: GOOGLE EARTH

0 150 300 450 600
Feet

LEGEND
- TERMINAL 115 BOUNDARY
- TERMINAL 115 NORTH BOUNDARY
- FORMER BOEING ADMINISTRATION BUILDING
- CURRENT SHORELINE

APPENDIX A: PHOTO A-10
2002

PROJECT NUMBER:..... 0675-001-01
ADDRESS:..... WEST MARGINAL WAY SW
CITY, STATE:..... SEATTLE, WASHINGTON

DATE: 11/1/10
DRAWN BY:..... NAC
CHECKED BY:..... CMC

SoundEarth Strategies

ATTACHMENT C
1970 AERIAL PHOTOGRAPH

