May 2021
Whatcom Waterway Cleanup

ANCHOR QEA

Pre-Remedial Design Investigation Data Report Phase 2 Site Areas

Prepared for Port of Bellingham

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ABBREVIATIONS

±	plus or minus
µg	microgram
ASB	Aerated Stabilization Basin
ASTM	ASTM International
BST	Bellingham Shipping Terminal
City	City of Bellingham
cPAH	carcinogenic polycyclic aromatic hydrocarbon
D/F	dioxin/furan
GP West	Georgia-Pacific West, Inc.
Gravity	Gravity Marine Consulting, Inc.
kg	kilogram
mg	milligram
MLLW	mean lower low water
ng	nanogram
PAH	polycyclic aromatic hydrocarbon
PRDI	Pre-Remedial Design Investigation
psf	pounds per square foot
QA/QC	quality assurance/quality control
Report	*Pre-Remedial Design Investigation Data Report for Phase 2 Site Areas*
SCO	sediment cleanup objective
Site	Whatcom Waterway Site
SMS	Sediment Management Standards
SVOC	semivolatile organic compound
TEQ	toxic equivalents quotient
Work Plan	*Pre-Remedial Design Investigation Work Plan, Addendum No. 3*

1 Introduction

This Pre-Remedial Design Investigation (PRDI) Data Report for Phase 2 Site Areas (Report) presents the results of pre-design investigations performed pursuant to the *Pre-Remedial Design Investigation Work Plan, Addendum No. 3* (Work Plan; Anchor QEA 2020a) for the Whatcom Waterway Site (Site) located in Bellingham, Washington. The data from this testing program will be used to support engineering and design activities for cleanup of Phase 2 Areas of the Site. Specifically, the PRDI data will be used to inform development of an Engineering Design Report, which provides interpretation and rationale for cleanup decisions.

Cleanup of the Site is being conducted to meet the requirements of the Model Toxics Control Act and the Sediment Management Standards. The Consent Decree (No. 07-2-02257-7), as amended in 2011 (Ecology 2007, 2011), defines cleanup requirements. The Port of Bellingham is leading cleanup efforts in coordination with the City of Bellingham (City), the Washington State Department of Natural Resources, and Meridian Pacific Highway, LLC.

Cleanup of a portion of the Site (the "Phase 1 Site Areas"; Figure 1-1) was completed in 2016 as documented in the Final As-Built Report (Anchor QEA 2018). Post-construction monitoring shows that the cleanup was effective (Anchor QEA 2020b).

Design and permitting activities have been initiated for cleanup of the remaining areas of the Site (the "Phase 2 Site Areas"; Figure 1-1). Construction activities are expected to include dredging contaminated sediments, confined disposal of dredged sediments within a portion of the Aerated Stabilization Basin (ASB), construction of clean sediment caps and anti-erosion layers in selected Site areas, and adjustments to structures within the Site as necessary to accomplish required cleanup activities.

Environmental and geotechnical data were collected previously during the *Supplemental Remedial Investigation and Feasibility Study* (RETEC 2006), later during implementation of the 2008 PRDI Work Plan (Anchor Environmental 2008), and during the Year 1 and Year 3 Compliance Monitoring (Anchor QEA 2017, 2020). The previously collected PRDI data are described in the 2010 PRDI Data Report (Anchor QEA 2010) and will also be used to support design activities for Phase 2 Site Areas where appropriate.

This Report describes results of supplemental sampling and analysis and survey activities conducted to resolve remaining pre-remedial design data gaps for the cleanup of Phase 2 Site Areas, and to assess the status of source control. The Report is organized into the following sections:

- Section 1: Introduction (this section)
- Section 2: Methods
- Section 3: Survey Results
- Section 4: Sediment Testing Results
- Section 5: Quality Assurance/Quality Control

- Section 6: Next Steps
- Section 7: References

2 Methods

A full summary of investigation methodology is contained in the Work Plan. This section provides a concise summary of the project objectives and deviations from the Work Plan as triggered by field conditions.

2.1 Project Objectives

Project objectives are described in detail in Section 2 of the Work Plan. The data collection activities supported both proposed design work, as well as source control data collection activities requested by the Washington State Department of Ecology. A sample location overview is presented in Figure 2-1. Work performed included the following:

- Updated eelgrass surveys supporting future permitting work
- Supplemental surveys in selected areas supporting remedial design:
  - Under-pier bathymetric surveys to fill gaps in previously collected information
  - Jet probe surveys to characterize the extent of armoring in nearshore areas
  - Visual inspections of marine structures potentially affected by the cleanup activities
- Sediment coring in planned three open-water dredge areas to support dredge planning:
  - Outer Waterway dredge areas (Units 1A, 1B, and Open-Water Portions of Unit 1C)
  - Proposed ASB access channel (Unit 2B and vicinity)
  - Areas near the Bellingham Shipping Terminal (BST) Dock (the Rail Span Area; Units 6B and 6C)
- Supplemental coring in under-pier areas to support dredging and capping plans:
  - BST Dock under-pier areas (Unit 1C)
  - Georgia-Pacific West, Inc. (GP West) Dock under-pier areas (Unit 4 and Unit 2C)
- Physical testing of ASB sediments to support dredge material handling evaluations and CAD site design:
  - Vane shear testing of the ASB soft sediments (Unit 8)
  - Supplemental geotechnical testing of the ASB soft sediments (Unit 8)
- Sampling of surface sediment at the mouth of Whatcom Creek, easterly of Roeder Avenue, to assess the status of source control for dioxin/furan (D/F) compounds in areas upstream from Whatcom Waterway (see inset on Figure 2-1)
- Sampling of surface sediment near stormwater outfalls to assess the status of stormwater source control:
  - Laurel Street outfall (Unit 2C)
  - Cornwall Avenue outfall (southerly of Unit 6B and Unit 6C)

2.2 Work Plan Deviations

Except as noted in this section, all investigation work was performed in accordance with the Work Plan (Anchor QEA 2020a). The following deviations were triggered based on observed field conditions:

- Adjusted subsurface core locations: Most core locations were collected within the target distance of ± (plus or minus) 10 feet from the planned sampling location. Adjustments were made for most under-pier cores (all BST stations; stations 2C-05-VC, 2C-07-VC, and 2C-08-VC) and for two locations in Unit 2B (stations 2B-03-VC and 2B-07-VC). The adjustments in location were required based on physical access and obstructions to core penetration/recovery at the planned location. In each case the core sample location was adjusted and a core sample was successfully collected.
- One core sample not collected: No core was collected from station 2C-06-VC, because no sediment was present at this location (the core encountered only armor at this location).
- Adjusted surface grab locations: Most surface grab sample locations were collected within the target distance of ± 10 feet from the planned sampling location. Adjustments were made for several grab sample locations (stations WC-07-SS, WC-08-SS, WC-09-SS, WC-12-SS, and WC-13-SS) where necessary based on access constraints. In each case the sample locations were adjusted, and a sample was successfully collected.
- Adjusted surface grab recovery depth: Of the 13 grab samples, six (WC-01-SS-0-7, WC-02-SS-0-8, WC-03-SS-0-9, WC-04-SS-0-10, WC-06-SS-0-7, and WC-08-SS-0-7) had sediment recoveries less than the 12 centimeters target depth due to the subsurface conditions in Whatcom Creek (presence of rock or cobbles at depth). Grab samples at these locations were repeated at least three times, after which the recoverable sediment was retained for analysis.
- Two surface grab samples not collected: Two surface sediment samples from Whatcom Creek (WC-10-SS and WC-11-SS) were not collected because there was no recoverable sediment at the planned sampling station. Both samples were in the upper Whatcom Creek estuary, close to the falls in areas of strong currents that limited sediment accumulations.
- Adjustment to ASB vane shear testing plan: The Work Plan provided for adjustment to the vane shear testing locations based on the field observations of the geotechnical engineer. The final testing program was adjusted to decrease the number of sampling stations (from 19 to 9) and increase the number of sampling intervals tested at each station (up to 4 depth intervals per station for a total of 27).
- Adjustment to ASB geotechnical sampling plan: The Work Plan provided for adjustment to the number and location of core samples for geotechnical testing. The number of core locations was increased from four to nine to provide improved data coverage. Following analysis of discrete core samples for geotechnical parameters, these cores were composited to develop three testing composites for detailed laboratory testing as described in Section 4.3.

None of the foregoing deviations adversely affect the completion of the project objectives as identified in the Work Plan. Actual sampling coordinates and penetration depths for all samples are summarized in this Report, including those with adjusted locations or depth intervals. Where adjusted, the final locations and sampling depths will be considered during data interpretation and project engineering design evaluations.

3 Survey Results

This section summarizes the results of the completed survey activities, including the eelgrass and macroalgae surveys, under-pier bathymetric surveys, and jet probe surveys. Survey methods for each of these activities are detailed in the Work Plan (Anchor QEA 2020a).

3.1 Eelgrass and Macroalgae Surveys

The eelgrass and macroalgae surveys were performed by Anchor QEA, Gravity Marine Consulting, Inc. (Gravity), and Global Diving in late August 2020 using sonar, towed video, diver, and shoreline survey methods. Survey areas are shown in Figure 3-1.

The majority of the survey areas were accessible by survey boat and were performed using towed video and sonar. Diver surveys were performed where over-water cover was present (e.g., GP West Dock, BST Dock) and where there was limited vessel access (e.g., rail span structure interior, near barge mooring lines in Unit 2B/5C). The shoreline surveys were performed within Whatcom Creek, downstream of Roeder Avenue and upstream of Roeder Avenue to West Holly Street.

A summary of sonar survey findings is presented in Figure 3-2. Detailed findings of the sonar surveys are included in Appendix A. Sonar survey results of plant height are presented in Figures A-1 through A-6 in Appendix A. Sonar survey data were cross-checked and confirmed using video surveys, diver surveys, and shoreline surveys. A description of eelgrass, other aquatic vegetation, substrate, and wildlife documented during the surveys per survey area is presented in Table A-1 in Appendix A.

Overall, native eelgrass (*Zostera marina*) beds were observed in several locations within the survey areas. Non-native eelgrass (*Nanozostera japonica*) was occasionally observed floating on the water surface during the surveys but rooted non-native eelgrass was not observed within the survey areas. Areas of eelgrass are identified by the yellow, orange, and red-shaded areas in Figures A-1 through A-6. The orange and red-shaded areas with taller eelgrass beds also typically correspond to higher eelgrass plant density. In general, the areas shaded in green in Figures A-1 did not contain eelgrass, but in some cases contained other types of aquatic vegetation.

Aquatic vegetation species observed during the surveys included sugar kelp (*Laminaria saccharina*), rockweed (*Fucus distichus*), sea lettuce (*Ulva lactuca*), iridescent seaweed (*Mazzaella splendens*), epiphytic red algae (*Smithora naiadum*), and red algae (*Porphyra* spp. and *Rhodophyta* spp.) seaweed. These species were observed both attached to the substrate and unattached and floating in the water column or on the water surface during the surveys.

Based on the video surveys and observations from the boat and the shoreline, substrate in the survey areas consisted of a mixture of silt, sand, shell hash, gravel, cobbles, angular rock, and riprap. Silt, sand, and shell hash were the dominant substrate in the survey areas. Cobbles, angular rock, and

riprap were common near the armored shorelines. Abandoned and cut-off pilings, scattered pieces of other wood debris, and small pieces of metal and plastic litter were occasionally observed.

3.2 Under-Pier Bathymetric Surveys

Under-pier bathymetric surveys were conducted between July and September along the southern shoreline of Whatcom Waterway in areas beneath the BST Dock and GP West Dock structures. These surveys were conducted by Wilson Engineering, a licensed surveyor, using conventional (i.e., lead-line) measurements to fill gaps in areas beyond the practical range of open-water multi-beam survey methods.

The extent of under-pier bathymetric survey coverage is shown in Figure 3-3, which also shows the extents of 2019 survey coverage from both open-water multi-beam surveys and from shoreline topographic surveys. Maps showing contours within the under-pier areas are included in Appendix B.

The survey data were determined to be suitable for use. In areas of survey overlap near the outer face of the piers, the under-pier survey data showed good agreement with the open-water multi-beam survey data. Good survey coverage was achieved in the under-pier areas, consistent with the objectives defined in the Work Plan.

3.3 Jet Probe Surveys

Jet probing was performed by Gravity and Global Diving during late August 2020 at under-pier locations beneath the BST Dock and GP West Dock structures, and along portions of the ASB shoreline. Jet probe survey transect locations are shown in Figure 3-1.

Jet probing was conducted along defined transects with measurements taken at station locations every 5 to 15 feet along each transect. Station locations were determined based on mudline elevations at each survey station, which were based on diver-recorded water depths converted to mudline elevations using site tide gauge data.

Detailed results of the jet probe surveys are shown in Appendix C. Data contained in that appendix include the surface observations (e.g., presence of sediment or armor), estimated sediment thickness, and the depth to hard objects or hard bottom. Survey notes provide information about the location of the toe of armor along each stretch of shoreline.

The jet probe survey provided good estimates of the location of the toe of armored slopes along the ASB shoulder and beneath the BST Dock and GP West Dock. Where applicable, the thickness of sediment above the buried portion of the armored slopes was defined. In some cases, the jet probe surveys encountered buried layers of clay/hardpan, gravel, or wood debris.

3.4 Visual Inspections of Marine Structures

A visual inspection of marine structures was performed to collect information on conditions of four existing structures within or adjacent to areas of planned remediation. The structures inspections were conducted by WSP, the project team's structural engineering design firm during site visits conducted during low tides in September 2020.

Observations made during the site inspection are contained in Appendix D. Observations are provided for the ASB, the BST Dock and slope, GP West Dock and slope, and the Chemical Dock/Rail Barge berth. These observations will be used along with other as-built information, condition surveys, and PRDI investigation data to support design and permitting activities.

4 Sediment Testing Results

This section summarizes the results of subsurface and surface sediment testing. Laboratory analytical reports and data validation reports are included in Appendix E. Geotechnical reports are included in Appendix F.

This Report includes all testing data received and validated to date. As of late-January 2021, some analyses for tiered subsurface testing samples (Section 4.1) remain in progress. The tiered subsurface testing data will be incorporated into the final version of this Report. The consolidation testing results will be presented in the Engineering Design Report.

4.1 Subsurface Sediment Characteristics

The scope and objectives of subsurface testing varied by Site area as described in the Work Plan. Subsurface sediment cores were collected in open-water dredge areas and in under-pier areas. Results are presented in Tables 1 and 2 and locations and results are presented in Figures 4-1 through 4-7c. D/F and semivolatile organic compound (SVOC) analyses were triggered following the tiered process described in the Work Plan (Anchor QEA 2020a). Once the top of the clean interval was identified for mercury, the D/F analyses were conducted on that interval to confirm that D/F concentrations are below the practical quantitation limit (5 nanograms per kilogram [ng/kg]). For cores located in the under-pier areas, the ASB access channel area, and the Rail Span Area, analyses for SVOC compounds were also conducted. SVOC testing was not required for testing in open-water areas of Units 1A, 1B, or 1C. In some instances where the mercury concentration in the bottom interval of a particular core was still above criteria, D/F and/or SVOC analyses were conducted on that interval to provide a more robust dataset. Results are discussed in the following sections.

4.1.1 Outer Waterway Open-Water Dredge Areas (Units 1A, 1B, and 1C)

A total of 16 new sediment cores were sampled in planned open-water dredging areas within Units 1A, 1B, and 1C. These cores were used to supplement available coring data, refine information on the depth of contaminated sediment in each unit, and support development of future dredge prisms. Core samples from these cores were analyzed at depth for mercury and D/F to define the interface between clean and contaminated sediments.

Mercury results are presented in Figures 4-1a and 4-2a. In all but one of the 16 cores, the interface between clean and contaminated sediments was defined. In those 15 cores, mercury concentrations below the clean/contaminated interface were below both the Sediment Management Standards (SMS) sediment cleanup objective (SCO) value for mercury of 0.41 milligrams per kilogram (mg/kg) and were also below natural background mercury concentrations (0.2 mg/kg) in Puget Sound sediments (Ecology 2013). In the last core (location 1C-14-VC), the bottom core interval remained above the

SMS SCO value of 0.41 mg/kg, indicating that the clean/contaminated sediment interface for mercury was deeper than the core penetration at this location.

D/F toxic equivalents quotient (TEQ) results are presented in Figures 4-1b and 4-2b. In 14 of the 16 core samples, the base of contamination for D/F impacts was also reached. In these coring locations, subsurface intervals tested included D/F concentrations below both natural background concentrations (4 ng TEQ/kg; Ecology 2015) and the practical quantitation limit (5 ng TEQ/kg). These were typically encountered at the same depth or just below the depth of mercury contamination in the cores.

In the remaining two core samples (1C-13-VC and 1C-14-VC), the D/F contamination extended deeper than the available core intervals tested. In the first case (1C-13-VC), the deepest measured concentration (8.91 ng TEQ/kg) was above natural background but below regional background (15 ng TEQ/kg; Ecology 2015). In the second case (1C-14-VC), the D/F concentration in the deepest sampled interval (17 ng TEQ/kg) continued to exceed regional background levels (15 ng TEQ/kg). For these two core locations, the data from the surrounding cores and information on historical dredge elevations can be used to supplement the testing data and design the target dredge prism. Rationale will be provided in the Engineering Design Report.

4.1.2 Proposed ASB Access Channel Area (Unit 2B)

Cores were sampled at six target locations in the area proposed for the future ASB access channel (Unit 2B and vicinity; see Figures 4-3a, 4-3b, and 4-3c). The goal of testing in the Unit 2B area was to define the interface between clean and contaminated sediment. At one of the six planned locations (2B-07-VC) a second core (2B-07A-VC) was added in the vicinity to improve sample recovery at depth.

For mercury, the base of contamination was reached in all six planned locations. The base of contamination was not reached in the added seventh core (2B-07-VC). In general, mercury contamination was not encountered or was encountered at shallower depths in the upslope sampling locations and was deeper (4 to 5.7 feet below mudline) in the downslope locations (see Figure 4-3a). The results for locations 2B-07A-VC and 2B-07-VC exhibited significantly different results, indicating that site conditions vary with location upslope/downslope adjacent to the waterway.

The D/F results in Unit 2B showed that, in general, these contaminants extended slightly deeper than the mercury contamination (Table 1). In all six of the cores, the deepest samples analyzed had D/F concentrations less than natural background levels. No samples from 2B-07-VC were analyzed for D/F due to the elevated mercury concentrations in the deepest intervals tested at this location.

Carcinogenic polycyclic aromatic hydrocarbon (cPAH) results reached levels below the Puget Sound natural background level of 21 micrograms per kilogram (µg/kg; Ecology 2015) in deep samples analyzed from four cores (2B-02-VC, 2B-03A-VC, 2B-04-VC, and 2B-06-VC; Table 1). cPAH

concentrations remained above the regional background level of 86 mg/kg TEQ in the central and inner core locations (2B-05-VC and 2B-07A-VC).

4.1.3 Rail Span Area (Unit 6)

The Rail Span Area includes portions of Unit 6C and adjacent areas (Figures 4-4a, 4-4b, and 4-4c). Planned cleanup work in this area includes targeted dredging to address shoaled areas followed by capping or placement of anti-scour materials. Six cores were collected within the anticipated dredging area. The cores were intended to assess the quality of sediments at depth at or below the base of the anticipated dredging prism and confirm the need for post-dredge capping in this area. Core intervals were analyzed for mercury, D/F, and polycyclic aromatic hydrocarbon (PAH) compounds.

In four of the six cores in the Rail Span Area, the interface between clean/contaminated sediments was reached for mercury (Figure 4-4a). At these four locations, the deeper core samples were below both the SCO (0.41 mg/kg) and the natural background value (0.2 mg/kg). At the remaining two locations (6C-02-VC and 6C-04-VC), the bottom interval contained mercury concentrations that remained above the SCO value.

Results of testing demonstrated that the D/F contamination extended deeper than the mercury contamination. For D/F, only two of the six cores reached clean sediment intervals with D/F concentrations less than the natural background concentration (4 ng TEQ/kg). In the remaining four cores, the deepest intervals analyzed for D/F remained above both natural background and regional background concentrations (Figure 4-4b).

Selected samples from the six cores were tested for SVOCs (Tables 1 and 2). cPAH results reached levels below Puget Sound natural background at the southern-most core closest to the BST Dock (6C-06-VC). cPAH results were above Puget Sound natural background but below Bellingham Bay regional background in the northern-most outer core and southern-most cores furthest from the BST Dock (6C-01-VC and 6C-05-VC) and above Bellingham Bay regional background in the northern-most inner core and the two centrally located cores (6C-02-VC, 6C-03-VC, and 6C-04-VC).

4.1.4 Under-Pier Areas at the BST Dock (Unit 1C)

A total of eight subsurface sediment cores were collected in under-pier areas at the BST Dock, in portions of Unit 1C. In this area, the cleanup is anticipated to include removal of contaminated sediments to the extent practicable, followed by placement of clean sediment backfill. All eight cores were placed in the lower slope area at elevations below the toe of existing slope armoring as determined through jet probing.

Mercury results for core sampling at the BST Dock are presented in Figure 4-2a. Penetration depths achieved in the under-pier cores ranged from 4.6 to 6 feet below mudline. In three of the eight cores,

the base of the mercury-contaminated sediment layer was reached at depths ranging from 1 to 4 feet below mudline. In four of the remaining five cores, the deepest intervals tested had mercury concentrations below the bioaccumulation screening level (1.2 mg/kg; Ecology 2007) but still in excess of the mercury SCO (0.41 mg/kg). Mercury concentrations in these deep core samples ranged from 0.572 to 0.948 mg/kg. In one core (1C-16-VC), the deepest sample interval contained mercury concentrations (4.12 mg/kg) that remained in excess of the bioaccumulation screening level.

D/F testing results for the BST Dock under-pier area are shown in Figure 4-2b. D/F testing was performed in the deepest samples from each core. Of these, four cores had reached the base of mercury contamination (1C-20-VC and 1C-22-VC). Measured D/F concentrations in the core intervals tested were highest in the upslope cores (1C-16-VC, 1C-18-VC, 1C-20-VC, and 1C-22-VC), with three of these samples remaining above regional background concentrations (15 ng TEQ/kg). Measured D/F concentrations in the four downslope cores were lower, with all four samples below the regional background concentration, and two samples below the natural background concentration (4 ng TEQ/kg).

Select samples from all eight cores were analyzed for SVOCs (Tables 1 and 2). cPAH results for all locations tested were above Bellingham Bay regional background levels (Figure 4-2c). The initial cPAH result for the sample analyzed from location 1C-15-VC was elevated, so it was reanalyzed to confirm. The reanalysis result was about five times lower, indicating sample heterogeneity. Both sets of results have been reported and the average is shown in Figure 4-2c.

4.1.5 Under-Pier Areas at the GP West Dock (Units 2C and 4)

A total of five subsurface sediment cores were collected in under-pier areas at the GP West Dock, in portions of Units 2C and 4. In this area, the cleanup is anticipated to consist primarily of sediment capping. One planned core at a sixth location (2C-06-VC) was not collected due to the presence of shallow slope armoring and no overlying sediment at that location.

Mercury data collected in the GP West Dock under-pier areas are summarized in Figure 4-5a. In three of the five cores from that area, the base of the mercury-contaminated sediment was reached. Mercury concentrations in the deepest core intervals sampled at these three locations were less than the SCO (0.41 mg/kg). In the remaining two cores (2C-03-VC and 2C-08-DC), the base of the mercury-contaminated sediment was not reached, and contaminant levels remained in excess of the SCO.

As in other Site areas, the base of the D/F-contaminated sediment layer beneath the GP West Dock was deeper than that for the mercury-contaminated sediment as shown in Figure 4-5b. The base of D/F contamination was reached in only one (2C-04-VC) of the five locations. In the deepest intervals sampled in the remaining four cores, the D/F concentrations ranged from 19.2 to 212 ng TEQ/kg.

Select samples from all five cores were analyzed for SVOCs (Tables 1 and 2). cPAH results for four of the five locations were above Bellingham Bay regional background levels (86 µg/kg; Figure 4-5c).

4.2 Surface Sediment Characteristics

Surface sediment samples were collected in two areas (Figure 2-1). First, surface sediments were collected in areas of Whatcom Creek upstream from Whatcom Waterway to evaluate the status of D/F source control in these upstream areas based on the results of the Phase 1 Year 3 monitoring program. Second, surface sediments were sampled in two areas adjacent to existing stormwater outfalls to assess the status of stormwater source control. The site-specific surface sediment sample interval depth is 0 to 12 centimeters below mudline.

4.2.1 Whatcom Creek Sediments

Results of surface sediment sampling in Whatcom Creek for mercury and D/F are presented in Table 1 and in Figures 4-6a and 4-6b, respectively.

None of the 11 sediment samples collected in Whatcom Creek exceeded the SCO value for mercury (0.41 mg/kg).

Measured D/F concentrations in the Whatcom Creek sediments varied by location (Figure 4-6b) and are described as follows:

- In the two samples collected upstream of the falls (WC-12-SS and WC-13-SS), D/F concentrations were 11.4 and 2.6 ng TEQ/kg, respectively. These results indicate that sediment D/F concentrations upstream of the falls may exceed natural background concentrations (4 ng TEQ/kg), but do not exceed regional background (15 ng TEQ/kg) concentrations.
- The D/F concentrations in the four samples collected between the falls and the Holly Street bridge varied by location, with concentrations exceeding regional background detected along the northern shoreline of the creek:
  - The two samples collected from the southern shoreline (WC-07-SS and WC-09-SS) in between the falls and the Holly Street bridge were both below natural background (4 ng TEQ/kg) concentrations.
  - In contrast to the southern shoreline samples, the two samples collected from the northern shoreline (WC-06-SS and WC-08-SS) had D/F concentrations that exceeded the regional background concentration (15 ng TEQ/kg). At location WC-08-SS, the D/F concentration was 63.7 ng TEQ/kg, or four times the regional background concentration. The D/F TEQ result for sample WC-06-SS was initially reported by the laboratory at a very high D/F concentration due primarily to an anomalous high concentration of the congener 2,3,7,8-TCDF. However, during internal verification and in

consultation with the laboratory, it became clear that the result for this congener was affected by strong interference from chlorinated diphenyl ethers. The sample was re-extracted and reanalyzed and the congener 2,3,7,8-TCDF was not detected in the reanalysis. For these reasons, the initial result for this congener was determined to be mostly or entirely contributable to the interference and was internally rejected. Other congener concentrations were comparable between the initial analysis and the reanalysis of that sample. The average D/F concentration between the initial analysis and the sample reanalysis was 562 ng TEQ/kg, or 37 times the regional background concentration.

- Of the five samples collected at the creek mouth, between the Roeder Avenue and Holly Street bridges, D/F concentrations ranged from 3.5 to 18.4 ng TEQ/kg. Two of these samples (WC-02-SS and WC-04-SS) slightly exceeded the regional background concentration (15 ng TEQ/kg).

The Whatcom Creek samples were also analyzed for PAHs and phenolic compounds. No exceedances of the SCO for benthic protection were noted for PAH or phenolic compounds in any samples. Concentrations of cPAHs are presented in Table 3. These concentrations exceeded the regional background concentration (86 µg TEQ/kg) in 7 of the 11 samples analyzed.

- The two samples upstream of the falls (WC-12-SS and WC-13-SS) had variable cPAH concentrations of 67 and 129 µg TEQ/kg.
- The three samples collected from the southern shoreline of Whatcom Creek (WC-5-SS, WC-7-SS, and WC-9 SS) had cPAH concentrations less than regional background concentration (86 µg TEQ/kg).
- The remaining six Whatcom Creek samples located between the falls and the head of the waterway had cPAH concentrations in excess of regional background values, with concentrations ranging from 90 to 297 µg/kg.

4.2.2 Stormwater Outfall Area Samples

Sediment grab samples were collected adjacent to two active municipal stormwater outfalls discharging to the Site. The first of these samples was located at station WW-01-SS at the City's Laurel Street municipal stormwater outfall. The second sample was located at station WW-02-SS at the City's Cornwall Avenue municipal stormwater outfall. That sample is located to the south of the BST Dock, within the sediment portion of the RG Haley site. Both outfalls were submerged at the time of sample collection. These two samples were analyzed for heavy metals, phenolic compounds, PAH compounds, and D/F compounds.

Results of surface sediment sampling in stormwater outfall areas for mercury, D/F, and cPAHs are presented in Table 3 and in Figures 4-7a, 4-7b, and 4-7c, respectively:

- No exceedances of the SCO for benthic protection were noted for heavy metals (including mercury), phenolic compounds, or PAH compounds in either of the outfall area sediment samples.
- At station WW-01-SS located at the Laurel Street outfall in Whatcom Waterway, both cPAH concentrations and D/F compounds exceeded regional background concentrations. The measured cPAH concentrations were 478 µg TEQ/kg, higher than the regional background value of 86 µg TEQ/kg. D/F concentrations at this station were 36 ng TEQ/kg, higher than the regional background concentration of 15 ng TEQ/kg.
- At station WW-02-SS located at the Cornwall Street outfall south of the BST Dock, measured concentrations of cPAH and D/F compounds were lower. The measured cPAH concentrations were 99 µg TEQ/kg, just above the regional background value of 86 µg TEQ/kg. D/F concentrations at this station were 12.9 ng TEQ/kg, less than the regional background concentration of 15 ng TEQ/kg.

4.3 ASB Physical Testing Results

Physical testing of soft sediments within the ASB was completed during September 2020. This included collection of core samples for specialized ex situ laboratory geotechnical testing, and in situ vane shear testing to assess strength properties (undrained shear strength) of the undisturbed sediments. Sampling locations are shown in Figure 2-1.

4.3.1 Results of ASB Sediment Core Sampling

Soft sediment core sampling within the ASB included the collection of grab and composite samples at nine sample locations (Figure 2-1) that were generally co-located with the vane shear sample locations described previously.

At each sample location, a 4-inch-diameter sediment core was collected using a boat-mounted vibratory hammer and winch system. The surface of soft sediments (mudline) was determined using lead-line techniques to feel the surface and the sampling vessel depth finder, and this information was later compared to site bathymetry using the sampling location coordinate. The sediment cores were collected to depths ranging from approximately 8.1 to 9.7 feet below the existing mudline. Debris (rope and likely submerged timber) was encountered at various locations within the ASB during completion of the geotechnical sediment investigation effort, making it difficult to collect sediment core samples and vane shear data at some locations. ASB soft sediments were observed to be very soft to soft, black silt material with organic plant material and wood pulp observed in some samples overlying native sand and silt. Sediment core logs for the nine sample locations are provided in Appendix F.

Table 5 summarizes the physical testing program performed on the soft sediment samples collected from each of the nine sediment core locations. A total of 16 samples were submitted for physical laboratory testing.

Results of the physical testing completed on ASB soft sediments are as follows. Detailed results of this physical testing program are provided in Appendix F.

- **Moisture Content.** Soft sediment samples are observed to have moisture content ranging from approximately 135% to 1,013%. Underlying native sand and silt sample moisture content ranges from approximately 27% to 33%.
- **Atterberg Limits.** The high moisture content soft sediments in the ASB have high liquid and plastic limits with medium to high dry strengths. Native silt sample liquid and plastic limits are lower due to increased sand content, and two samples (08-11-VC [8.3 to 9.6 feet] and 08-15-VC [0.0 to 8.0 feet]) were determined to be non-plastic.
- **Particle/Grain Size Analysis.** Particle size for soft ASB sediments are predominantly silt and clay (>90%) and underlying native sand and silts have higher sand content (21% to 73%). Minor amounts of gravel (<1%) were detected within the samples tested for particle/grain size.
- **Specific Gravity.** Specific gravity for both soft sediment and native underlying sediment ranges from 1.72 to 2.72 and higher specific gravity results are generally observed in the deeper native sediment.
- **Density/Unit Weight.** Bulk density for the three samples tested ranged from 67.0 to 74.1 pounds per cubic foot.
- **Moisture, Ash, and Organic Matter.** ASB soft surface sediments have high organic matter content ranging from 58% to 71%. Deeper native silt organic matter content ranges from 25% to 28% and native sand organic matter content is approximately 1%.

The ASB soft sediment physical testing program also included analysis of three soft sediment composite samples for seepage-induced consolidation. The purpose of this analysis is to evaluate settlement and consolidation behavior of the soft sediment. The composites were prepared by combining sediments from the three northeastern sediment core locations (8-13-VC, 8-14-VC, and 8-15-VC), the three middle stations (8-10-VC, 8-11-VC, and 8-12-VC), and the three southwestern locations (8-7-VC, 8-8-VC, and 8-9-VC). The three composite samples are intended to represent different sediment conditions based on estimated differential settling within the ASB basin.

Detailed results of the seepage-induced consolidation testing are included in Appendix F. Results provide some difference in measurement of effective stress and hydraulic conductivity when compared to void ratio, indicating the soft sediments may exhibit varying settlement and consolidation properties. These results will be further evaluated during engineering design.

4.3.2 Results of Vane Shear Testing

A total of 28 in situ vane shear tests were completed at nine sample locations within the ASB to determine the undrained shear strength of the soft sediments at depth. Vane shear testing was completed in general accordance with the *Standard Test Method for Field Vane Shear Test in Cohesive Soil – ASTM D2573-08*. An initial test was performed at the mudline surface (with the vane completely submerged into the soft sediments, and subsequent tests were completed at approximate 2-foot depth intervals below the surface.

Results of vane shear testing were recorded in the field and then corrected in accordance with ASTM procedures. Vane shear test results require correction to account for the diameter and height of the vane and measured torque when completing the test in the field. Observations from the vane shear testing include the following:

- Mudline elevations of soft sediments at the nine vane shear sample locations ranged from approximately -5 feet mean lower low water (MLLW) to -10 feet MLLW.
- Vane shear tests were performed at approximate 2-foot depth intervals (starting at the surface; depth=0 feet) and ranging from 1 to 6 feet below the mudline.
- Vane shear tests were not able to be completed at deeper intervals where water depth exceeded 15 feet (locations 8-11-VS, 8-10-VS, and 8-13-VS).
- Peak undrained shear strength was measured between 0 and 36.4 pounds per square foot (psf) and residual undrained shear strength was measured between 0 and 15.75 psf at the nine sample locations and varying sample depths.
- Both peak and residual undrained shear strength was observed to be 0 psf in the upper 4 feet of soft sediment with strength increasing with depth between 4 and 6 feet below mudline, with the exception of sample location 8-14-VS where the highest peak and undrained shear strength measurements were observed in the upper 4 feet of the soft sediments.

In general, soft sediment shear strength increases with depth at all locations sampled within the ASB; however, the results indicate that higher shear strength values are observed at depth at locations in the northeastern areas of the ASB. Detailed results of vane shear testing completed on soft sediments in the ASB are provided in Appendix F.

5 Quality Assurance/Quality Control

Quality assurance/quality control (QA/QC) include both field and laboratory quality control. Field and analytical QA/QC procedures were consistent with the guidelines described in the Work Plan (Anchor QEA 2020a).

5.1 Field Quality Control

Field quality control samples consisted of field duplicates and equipment rinsate blanks. Field quality control samples were collected at the required frequency. Field duplicates were analyzed for the same parameters as parent samples and results were within project-required control limits with a few exceptions, indicating field homogenization techniques were adequate. Rinsate blank results were below detection with the exceptions of some low-level detections of metals and one dibenzofuran. Results were significantly less than (less than five times) detected sample concentrations, so sample results are not expected to be impacted.

5.2 Laboratory Quality Control

Chemical data were validated using the quality control analyses and checks as defined in the Work Plan. A summary of key findings includes the following:

- Some mercury and D/F results were qualified as non-detects due to detections in the associated method blanks.
- Some mercury, SVOC, and D/F results were qualified as estimated due to calibration or laboratory QC results outside of the method, laboratory, or project-specified control limits.
- Twenty-eight mercury results were qualified as estimated due to hold time exceedances.
- Some D/F congener results were qualified because they were reported as Estimated Maximum Potential Concentration results by the laboratory.
- One under-pier core sample (1C-15-VC-5-6) was reanalyzed for PAHs to confirm the elevated results. The cPAH reanalysis result was about five times lower, indicating potential heterogeneity of the sample matrix leading to high variability among replicate analyses.
- For one Whatcom Creek surface sediment sample (WC-06-SS), one D/F congener result in the parent sample was rejected due to chlorinated diphenyl ether interferences (as described in Section 4.2.1), but the remaining congener results were acceptable. This sample was also reanalyzed as described in Section 4.2.1.

All data are usable as reported or as qualified, except for the one dioxin result described previously.

6 Next Steps

The information summarized in this Report will be used in developing the Engineering Design Report for cleanup of Phase 2 Areas of the Site.

7 References

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RETEC, 2006. *Supplemental Remedial Investigation and Feasibility Study. Volume 1: RI Report and Draft Supplemental Remedial Investigation and Feasibility Study. Volume 2: FS Report*. Prepared for the Port of Bellingham.

Tables

Table 1

Subsurface Sediment Mercury, D/F TEQ, and cPAH Results Compared to SMS Marine and Regional Background Values

Parameter				Mercury (mg/kg)	Total Dioxin/Furan TEQ (ng/kg)	Total cPAH TEQ (µg/kg)
SMS_Marine_SCO_SCUMII				0.41	--	--
SMS_Marine_CSL_SCUMII				0.59	--	--
Bellingham Bay Regional Background				--	15	86
Puget Sound Natural Background				--	4	21
Location ID	**Sample Type**	**Depth (ft bgs)**	**Elevation (ft)**			
1A-07-VC	N	0 – 1.3	-33.3 – -34.6	**1.97**	--	--
1A-07-VC	N	1.3 – 2.3	-34.6 – -35.6	**0.119**	**1.57 J**	--
1A-07-VC	N	2.3 – 3.3	-35.6 – -36.6	**0.0541**	--	--
1A-07-VC	N	3.3 – 4.3	-36.6 – -37.6	**0.0501**	--	--
1A-08-VC	N	0 – 1.4	-32.6 – -34	**0.309**	--	--
1A-08-VC	N	1.4 – 2.4	-34 – -35	**1.26**	--	--
1A-08-VC	N	2.4 – 3.4	-35 – -36	**0.0918**	**0.528 J**	--
1A-08-VC	N	3.4 – 4.4	-36 – -37	**0.071**	--	--
1A-09-VC	N	0 – 1.2	-33.1 – -34.3	**0.283**	--	--
1A-09-VC	N	1.2 – 2.2	-34.3 – -35.3	**0.893**	--	--
1A-09-VC	N	2.2 – 3.2	-35.3 – -36.3	**2.12**	--	--
1A-09-VC	N	3.2 – 4.2	-36.3 – -37.3	**0.129**	**1.38 J**	--
1A-10-VC	N	0 – 1	-32 – -33	**1.98**	--	--
1A-10-VC	N	1 – 2	-33 – -34	**0.0599**	**0.00457 J**	--
1A-10-VC	N	2 – 3	-34 – -35	**0.0656**	--	--
1A-10-VC	N	3 – 4	-35 – -36	**0.0756**	--	--
1B-11-VC	N	0.6 – 1.6	-33.3 – -34.3	**1.41 J**	--	--
1B-11-VC	FD	0.6 – 1.6	-33.3 – -34.3	**1.42 J**	--	--
1B-11-VC	N	1.6 – 2.6	-34.3 – -35.3	**1.82 J**	--	--
1B-11-VC	N	2.6 – 3.6	-35.3 – -36.3	**0.0722 J**	**1.64 J**	--
1B-11-VC	N	3.6 – 4.6	-36.3 – -37.3	**0.055 J**	--	--
1B-12-VC	N	2.1 – 3.1	-34 – -35	**3.39**	--	--
1B-12-VC	N	3.1 – 4.1	-35 – -36	**0.751**	--	--
1B-12-VC	N	4.1 – 5.1	-36 – -37	**0.0709**	**0.441 J**	--
1B-12-VC	N	5.1 – 6.1	-37 – -38	**0.0829**	--	--
1B-12-VC	FD	5.1 – 6.1	-37 – -38	**0.0902**	--	--
1B-13-VC	N	1 – 2	-33.2 – -34.2	**0.905 J**	--	--
1B-13-VC	N	2 – 3	-34.2 – -35.2	**1.85 J**	--	--
1B-13-VC	N	3 – 4	-35.2 – -36.2	**3.04 J**	--	--
1B-13-VC	N	4 – 5	-36.2 – -37.2	**0.68 J**	--	--
1B-13-VC	N	5 – 6	-37.2 – -38.2	**0.258**	**1.77 J**	--
1B-13-VC	N	6 – 7	-38.2 – -39.2	**0.0551**	--	--
1B-13-VC	N	7 – 8.1	-39.2 – -40.3	**0.0772**	**0.0760 J**	--
1B-14-VC	N	0 – 1	-31.9 – -32.9	**1.13**	--	--
1B-14-VC	N	1 – 2	-32.9 – -33.9	**2.49**	--	--
1B-14-VC	N	2 – 3	-33.9 – -34.9	**1.21**	--	--
1B-14-VC	N	3 – 4	-34.9 – -35.9	**0.274**	**0.0411 J**	--
1B-14-VC	N	4 – 5	-35.9 – -36.9	**0.0837 J**	--	--
1B-14-VC	N	5 – 6	-36.9 – -37.9	**0.0753 J**	--	--
1B-14-VC	N	6 – 7	-37.9 – -38.9	**0.0696 J**	--	--
1B-14-VC	N	7 – 8	-38.9 – -39.9	**0.0732 J**	--	--
1B-14-VC	N	8 – 9	-39.9 – -40.9	**0.074 J**	--	--
1B-14-VC	N	9 – 10	-40.9 – -41.9	**0.0596 J**	--	--
1B-14-VC	N	10 – 11	-41.9 – -42.9	**0.0564 J**	--	--
1B-14-VC	N	11 – 12	-42.9 – -43.9	**0.056 J**	--	--
1B-14-VC	N	12 – 13.4	-43.9 – -45.3	**0.0571 J**	--	--
1B-15-VC	N	1.8 – 2.8	-33.1 – -34.1	**0.951**	--	--
1B-15-VC	N	2.8 – 3.8	-34.1 – -35.1	**2.29**	--	--
1B-15-VC	N	3.8 – 4.8	-35.1 – -36.1	**0.434**	--	--
1B-15-VC	N	4.8 – 5.8	-36.1 – -37.1	**0.896**	--	--
1B-15-VC	N	6.8 – 7.8	-38.1 – -39.1	**0.0735**	--	--
1B-15-VC	N	7.8 – 8.8	-39.1 – -40.1	**0.0721**	--	--
1B-15-VC	N	8.8 – 9.8	-40.1 – -41.1	**0.0667**	0.119 UJ	--
1B-15-VC	N	9.8 – 10.8	-41.1 – -42.1	**0.0698**	--	--
1B-16-VC	N	1 – 2	-33.1 – -34.1	**0.816**	--	--
1B-16-VC	N	2 – 3	-34.1 – -35.1	**3.27**	--	--
1B-16-VC	FD	2 – 3	-34.1 – -35.1	**2.34**	--	--
1B-16-VC	N	3 – 4	-35.1 – -36.1	**0.0539**	**1.13 J**	--
1B-16-VC	N	4 – 5	-36.1 – -37.1	**0.0615**	--	--
1C-09-VC	N	2.5 – 3.5	-33.6 – -34.6	**3.04**	--	--
1C-09-VC	N	3.5 – 4.5	-34.6 – -35.6	**11**	--	--
1C-09-VC	N	4.5 – 5.5	-35.6 – -36.6	**0.916**	--	--
1C-09-VC	N	5.5 – 6.5	-36.6 – -37.6	**0.319**	**20.4 J**	--
1C-09-VC	N	6.5 – 7.5	-37.6 – -38.6	**0.499 J**	--	--
1C-09-VC	N	7.5 – 8.5	-38.6 – -39.6	**0.216 J**	**11.2 J**	--
1C-09-VC	N	8.5 – 9.5	-39.6 – -40.6	**0.109 J**	**2.33 J**	--
1C-09-VC	N	9.5 – 10.9	-40.6 – -42	**0.0543 J**	--	--
1C-10-VC	N	3.5 – 4.5	-36.3 – -37.3	**0.953 J**	--	--
1C-10-VC	N	4.5 – 5.5	-37.3 – -38.3	**1.15 J**	--	--
1C-10-VC	FD	4.5 – 5.5	-37.3 – -38.3	**1.21 J**	--	--
1C-10-VC	N	5.5 – 6.5	-38.3 – -39.3	**2.59 J**	--	--
1C-10-VC	N	6.5 – 7.5	-39.3 – -40.3	**1.21 J**	--	--
1C-10-VC	N	7.5 – 8.5	-40.3 – -41.3	**0.469 J**	--	--
1C-10-VC	N	8.5 – 9	-41.3 – -41.8	**0.0734 J**	**0.230 J**	--
1C-11-VC	N	0 – 1.4	-31.4 – -32.8	**0.521**	--	--
1C-11-VC	FD	0 – 1.4	-33.3 – -34.7	**0.486**	--	--
1C-11-VC	N	1.4 – 2.4	-32.8 – -33.8	**1.2**	--	--
1C-11-VC	N	2.4 – 3.4	-33.8 – -34.8	**4.08**	--	--
1C-11-VC	N	3.4 – 4.4	-34.8 – -35.8	**22.7**	--	--
1C-11-VC	N	4.4 - 5.4	-35.8 – -36.8	**3.01 J**	--	--
1C-11-VC	N	5.4 – 6.4	-36.8 – -37.8	**3.24 J**	--	--
1C-11-VC	N	6.4 – 7.4	-37.8 – -38.8	**1.29 J**	--	--
1C-11-VC	N	7.4 – 8.4	-38.8 – -39.8	**0.367 J**	--	--
1C-11-VC	N	8.4 – 9.4	-39.8 – -40.8	**0.363 J**	**1.20 J**	--
1C-11-VC	N	9.4 – 11	-40.8 – -42.4	**0.148 J**	--	--
1C-12-VC	N	0 – 1.6	-32.6 – -34.2	**0.761 J**	--	--
1C-12-VC	N	1.6 – 2.6	-34.2 – -35.2	**2.29 J**	--	--
1C-12-VC	N	2.6 – 3.6	-35.2 – -36.2	**4.7 J**	--	--
1C-12-VC	N	3.6 – 4.6	-36.2 – -37.2	**3.53 J**	--	--
1C-12-VC	N	4.6 – 5.6	-37.2 – -38.2	**5.1 J**	--	--
1C-12-VC	N	5.6 – 6.6	-38.2 – -39.2	**6.89 J**	--	--
1C-12-VC	N	6.6 – 7.6	-39.2 – -40.2	**0.296 J**	**0.947 J**	--
1C-12-VC	N	7.6 – 8.6	-40.2 – -41.2	**0.0223 J**	--	--
1C-12-VC	N	8.6 – 10	-41.2 – -42.6	**0.019 J**	--	--
1C-13-VC	N	0 – 1	-29.8 – -30.8	**1.51**	--	--
1C-13-VC	N	1 – 2	-30.8 – -31.8	**0.353**	**8.91 J**	--
1C-13-VC	N	2 – 3	-31.8 – -32.8	**0.0431**	**0.825 J**	--

Table 1

Subsurface Sediment Mercury, D/F TEQ, and cPAH Results Compared to SMS Marine and Regional Background Values

Parameter				Mercury (mg/kg)	Total Dioxin/Furan TEQ (ng/kg)	Total cPAH TEQ (µg/kg)
SMS_Marine_SCO_SCUMII				0.41	--	--
SMS_Marine_CSL_SCUMII				0.59	--	--
Bellingham Bay Regional Background				--	15	86
Puget Sound Natural Background				--	4	21
Location ID	**Sample Type**	**Depth (ft bgs)**	**Elevation (ft)**			
1C-13-VC	N	3 – 4	-32.8 – -33.8	**0.0313**	--	--
1C-14-VC	N	1.7 – 2.7	-34.6 – -35.6	**0.31**	--	--
1C-14-VC	N	2.7 – 3.7	-35.6 – -36.6	**0.648**	--	--
1C-14-VC	N	3.7 – 4.7	-36.6 – -37.6	**7.33**	--	--
1C-14-VC	N	4.7 – 5.7	-37.6 – -38.6	**13.3**	--	--
1C-14-VC	N	5.7 – 6.7	-38.6 – -39.6	**16.9 J**	--	--
1C-14-VC	N	6.7 – 7.7	-39.6 – -40.6	**4.46 J**	--	--
1C-14-VC	N	7.7 – 9.5	-40.6 – -42.4	**0.476 J**	**16.7 J**	--
1C-15-VC	N	0 – 1	-23.1 – -24.1	**0.34**	--	--
1C-15-VC	N	1 – 2	-24.1 – -25.1	**0.499**	--	--
1C-15-VC	N	2 – 3	-25.1 – -26.1	**0.535**	--	--
1C-15-VC	N	3 – 4	-26.1 – -27.1	**1.52**	--	--
1C-15-VC	N	4 – 5	-27.1 – -28.1	**0.466**	--	--
1C-15-VC	N	5 – 6	-28.1 – -29.1	**0.948**	**4.08 J**	**25600**
1C-15-VC_RE	N	5 – 6	-28.1 – -29.1	--	--	**5480**
1C-16-VC	N	0 – 1	-8.4 – -9.4	**0.273**	--	--
1C-16-VC	N	1 – 2	-9.4 – -10.4	**0.28**	--	--
1C-16-VC	N	2 – 3	-10.4 – -11.4	**0.327**	--	--
1C-16-VC	N	3 – 4	-11.4 – -12.4	**0.65**	--	--
1C-16-VC	N	4 – 5	-12.4 – -13.4	**12.6**	--	--
1C-16-VC	N	5 – 5.8	-13.4 – -14.2	**4.12**	**159 J**	**1350 J**
1C-17-VC	N	0 – 1	-21.9 – -22.9	**0.889**	--	--
1C-17-VC	N	1 – 2	-22.9 – -23.9	**0.487**	--	--
1C-17-VC	N	2 – 3	-23.9 – -24.9	**0.379**	--	--
1C-17-VC	FD	2 – 3	-23.9 – -24.9	**0.359**	--	--
1C-17-VC	N	3 – 4	-24.9 – -25.9	**0.63**	--	--
1C-17-VC	N	4 – 5	-25.9 – -26.9	**0.631**	--	--
1C-17-VC	N	5 – 6	-26.9 – -27.9	**0.704**	**8.61 J**	**371**
1C-18-VC	N	0 – 1	-17.3 – -18.3	**16.6**	--	--
1C-18-VC	N	1 – 2	-18.3 – -19.3	**63.6**	--	--
1C-18-VC	N	2 – 3	-19.3 – -20.3	**32.1**	--	--
1C-18-VC	N	3 – 4	-20.3 – -21.3	**3.57**	--	--
1C-18-VC	N	4 – 5	-21.3 – -22.3	**1.48**	--	--
1C-18-VC	N	5 – 6	-22.3 – -23.3	**0.697**	**128 J**	**1310**
1C-19-VC	N	0 – 1	-19.7 – -20.7	**0.308**	**3.74 J**	**105 J**
1C-19-VC	N	1 – 2	-20.7 – -21.7	**0.0414**	--	--
1C-19-VC	N	2 – 3	-21.7 – -22.7	**0.274**	--	--
1C-19-VC	N	3 – 4	-22.7 – -23.7	**0.213**	--	--
1C-19-VC	N	4 – 5.4	-23.7 – -23.7	**0.128**	--	--
1C-19-VC	FD	4 – 5.4	-21.3 – -22.7	**0.129**	--	--
1C-20-VC	N	0 – 1	-14.1 – -15.1	**0.899**	--	--
1C-20-VC	N	1 – 2	-15.1 – -16.1	**0.697**	--	--
1C-20-VC	N	2 – 3	-16.1 – -17.1	**0.507**	--	--
1C-20-VC	N	3 – 4	-17.1 – -18.1	**0.46**	--	--
1C-20-VC	N	4 – 5.4	-18.1 – -19.5	**0.0982**	**6.77 J**	**100 J**
1C-21-VC	N	0 – 1	-17.8 – -18.8	**0.758**	--	--
1C-21-VC	N	1 – 2	-18.8 – -19.8	**0.564**	--	--
1C-21-VC	N	2 – 3	-19.8 – -20.8	**0.65**	--	--
1C-21-VC	N	3 – 4	-20.8 – -21.8	**0.679**	--	--
1C-21-VC	N	4 – 5.2	-21.8 – -23	**0.572**	**7.79 J**	**957**
1C-22-VC	N	0 – 1	-11.9 – -12.9	**1.67**	--	--
1C-22-VC	N	1 – 2	-12.9 – -13.9	**0.896**	--	--
1C-22-VC	N	2 – 3	-13.9 – -14.9	**0.825**	--	--
1C-22-VC	N	3 – 4.6	-14.9 – -16.5	**0.351**	**51.3 J**	**305**
2B-02-VC	N	0 – 1	-3.7 – -4.7	**0.0815**	**1.04 J**	**1.92 J**
2B-02-VC	N	1 – 2	-4.7 – -5.7	**0.1**	--	--
2B-02-VC	N	2 – 3	-5.7 – -6.7	**0.128**	--	--
2B-02-VC	N	3 – 4	-6.7 – -7.7	**0.0211 J**	--	--
2B-02-VC	N	4 – 5.5	-7.7 – -9.2	**0.0202 J**	--	--
2B-03A-VC	N	0 – 1	-7 – -8	**0.15 J**	**5.82 J**	**25.1 J**
2B-03A-VC	N	1 – 2	-8 – -9	**0.0402 J**	**5.47 J**	**42.0 J**
2B-03A-VC	N	2 – 3	-9 – -10	**0.0185 J**	**0.0156 J**	20 U
2B-03A-VC	N	3 – 4	-10 – -11	**0.0231 J**	--	--
2B-03A-VC	N	4 – 5	-11 – -12	**0.0222 J**	--	--
2B-03A-VC	N	5 – 6	-12 – -13	**0.0227 J**	--	--
2B-04-VC	N	0 – 1	-5.8 – -6.8	**0.406**	**11.8 J**	**1030**
2B-04-VC	N	1 – 2	-6.8 – -7.8	**0.208**	**2.86 J**	**9.76 J**
2B-04-VC	N	2 – 3	-7.8 – -8.8	**0.05**	--	--
2B-04-VC	N	3 – 4	-8.8 – -9.8	**0.0255 J**	--	--
2B-04-VC	N	4 – 5	-9.8 – -10.8	**0.0267**	--	--
2B-04-VC	N	5 – 6	-10.8 – -11.8	**0.0322**	--	--
2B-05-VC	N	0 – 1	-12.6 – -13.6	**0.594**	--	--
2B-05-VC	N	1 – 2	-13.6 – -14.6	**0.874**	--	--
2B-05-VC	N	2 – 3	-14.6 – -15.6	**2.01**	--	--
2B-05-VC	N	3 – 4	-15.6 – -16.6	**1.14**	--	--
2B-05-VC	N	4 – 5	-16.6 – -17.6	**0.978**	--	--
2B-05-VC	N	5 – 6	-17.6 – -18.6	**0.558**	--	--
2B-05-VC	N	6 – 7	-18.6 – -19.6	**0.37**	--	--
2B-05-VC	N	7 – 8	-19.6 – -20.6	**0.426**	--	--
2B-05-VC	N	8 – 9	-20.6 – -21.6	**0.205**	**0.623 J**	**92.6 J**
2B-05-VC	N	9 – 10	-21.6 – -22.6	**0.066 J**	--	--
2B-06-VC	N	0 – 1	-6.8 – -7.8	**0.47**	--	--
2B-06-VC	N	1 – 2	-7.8 – -8.8	**0.827**	--	--
2B-06-VC	N	2 – 3	-8.8 – -9.8	**1.7**	--	--
2B-06-VC	N	3 – 4	-9.8 – -10.8	**1.07**	--	--
2B-06-VC	N	4 – 5	-10.8 – -11.8	**0.292 J**	--	--
2B-06-VC	N	5 – 6	-11.8 – -12.8	**0.386 J**	--	--
2B-06-VC	N	6 – 7	-12.8 – -13.8	**0.0261 J**	**0.0161 J**	**0.53 J**
2B-06-VC	N	7 – 8	-13.8 – -14.8	**0.0223 J**	--	--
2B-06-VC	N	8 – 9	-14.8 – -15.8	**0.0367 J**	--	--
2B-07A-VC	N	0 – 1	-11.3 – -12.3	**0.129**	**1.96 J**	**75.1 J**
2B-07A-VC	N	1 – 2	-12.3 – -13.3	**0.0325**	--	--
2B-07A-VC	N	2 – 3	-13.3 – -14.3	**0.0252**	--	--
2B-07A-VC	N	3 – 4	-14.3 – -15.3	0.273 U	--	--
2B-07A-VC	N	4 – 5	-15.3 – -16.3	0.0223 U	--	--
2B-07A-VC	N	5 – 6	-16.3 – -17.3	0.0292 U	--	--
2B-07-VC	N	0 – 1	-13.6 – -14.6	**2.3**	--	--

Table 1

Subsurface Sediment Mercury, D/F TEQ, and cPAH Results Compared to SMS Marine and Regional Background Values

Parameter				Mercury (mg/kg)	Total Dioxin/Furan TEQ (ng/kg)	Total cPAH TEQ (µg/kg)
SMS_Marine_SCO_SCUMII				0.41	--	--
SMS_Marine_CSL_SCUMII				0.59	--	--
Bellingham Bay Regional Background				--	15	86
Puget Sound Natural Background				--	4	21
Location ID	**Sample Type**	**Depth (ft bgs)**	**Elevation (ft)**			
2B-07-VC	N	1 – 2	-14.6 – -15.6	**4.41**	--	--
2B-07-VC	FD	1 – 2	-14.6 – -15.6	**4.42**	--	--
2B-07-VC	N	2 – 3	-15.6 – -16.6	**8.39**	--	--
2B-07-VC	N	3 – 4	-16.6 – -17.6	**28.9**	--	--
2B-07-VC	N	4 – 5.7	-17.6 – -19.3	**19.9**	--	--
2C-03-VC	N	0 – 1	-8 – -9	**15.6**	--	--
2C-03-VC	N	1 – 2	-9 – -10	**20.1**	--	--
2C-03-VC	N	2 – 3	-10 – -11	**0.515**	--	--
2C-03-VC	N	3 – 4	-11 – -12	**0.549**	--	--
2C-03-VC	N	4 – 4.6	-12 – -12.6	**1.05**	**80.3 J**	**748 J**
2C-04-VC	N	0 – 1	-2.7 – -3.7	**1.86**	--	--
2C-04-VC	N	1 – 2	-3.7 – -4.7	**1.21**	--	--
2C-04-VC	N	2 – 3	-4.7 – -5.7	**1.07**	--	--
2C-04-VC	N	3 – 4.6	-5.7 – -7.3	**0.285**	**3.12 J**	**129 J**
2C-05-VC	N	0 – 1	-9.4 – -10.4	**0.0378**	--	--
2C-05-VC	N	1 – 2	-10.4 – -11.4	**0.84**	--	--
2C-05-VC	N	2 – 3	-11.4 – -12.4	**0.912**	--	--
2C-05-VC	N	3 – 4	-12.4 – -13.4	**0.111 J**	**212 J**	**238 J**
2C-05-VC	N	4 – 4.7	-13.4 – -14.1	**0.344 J**	--	--
2C-07-VC	N	0 – 1	-13.4 – -14.4	**2.59 J**	--	--
2C-07-VC	N	1 – 2	-14.4 – -15.4	**0.842 J**	--	--
2C-07-VC	N	2 – 3	-15.4 – -16.4	**1.5 J**	--	--
2C-07-VC	N	3 – 4.7	-16.4 – -18.1	**0.374 J**	**19.2 J**	**71.0 J**
2C-07-VC	FD	3 – 4.7	-16.4 – -18.1	**0.366 J**	**35.5 J**	**83.1 J**
2C-08-DC	N	0 – 1.1	-3.2 – -4.3	**1.07**	**101 J**	**787 J**
6C-01-VC_2020	N	0 – 1	-21.6 – -22.6	**0.327 J**	--	--
6C-01-VC_2020	N	1 – 2	-22.6 – -23.6	**0.377 J**	--	--
6C-01-VC_2020	FD	1 – 2	-22.6 – -23.6	**0.375 J**	--	--
6C-01-VC_2020	N	2 – 3	-23.6 – -24.6	**0.549 J**	--	--
6C-01-VC_2020	N	3 – 4	-24.6 – -25.6	**0.881 J**	--	--
6C-01-VC_2020	N	4 – 5	-25.6 – -26.6	**1.96 J**	--	--
6C-01-VC_2020	FD	4 – 5	-25.6 – -26.6	**1.63 J**	--	--
6C-01-VC_2020	N	5 – 6	-26.6 – -27.6	**3.12 J**	--	--
6C-01-VC_2020	N	6 – 7	-27.6 – -28.6	**4.67**	--	--
6C-01-VC_2020	N	7 – 8	-28.6 – -29.6	**4.89**	--	--
6C-01-VC_2020	N	8 – 9	-29.6 – -30.6	**0.0854**	**3.06 J**	**31.5 J**
6C-01-VC_2020	N	9 – 10	-30.6 – -31.6	**0.0757**	--	--
6C-02-VC_2020	N	0 – 1	-16.4 – -17.4	**0.29**	--	--
6C-02-VC_2020	N	1 – 2	-17.4 – -18.4	**0.438**	--	--
6C-02-VC_2020	N	2 – 3	-18.4 – -19.4	**0.444**	--	--
6C-02-VC_2020	N	3 – 4	-19.4 – -20.4	**0.365**	--	--
6C-02-VC_2020	N	4 – 5	-20.4 – -21.4	**1.01**	--	--
6C-02-VC_2020	N	5 – 6	-21.4 – -22.4	**2.72**	--	--
6C-02-VC_2020	N	6 – 7	-22.4 – -23.4	**5.16**	**87.9 J**	**521 J**
6C-03-VC_2020	N	0 – 1	-21.4 – -22.4	**0.353**	**28.1 J**	**222**
6C-03-VC_2020	N	1 – 2	-22.4 – -23.4	**0.304**	--	--
6C-03-VC_2020	N	2 – 3	-23.4 – -24.4	**0.163**	**3.83 J**	--
6C-03-VC_2020	N	3 – 4	-24.4 – -25.4	**0.095**	--	--
6C-03-VC_2020	N	4 – 5	-25.4 – -26.4	**0.0301**	--	--
6C-03-VC_2020	N	5 – 6	-26.4 – -27.4	**0.0242 J**	--	--
6C-03-VC_2020	N	6 – 7.7	-27.4 – -29.1	**0.0098 J**	--	--
6C-03-VC_2020	FD	6 – 7.7	-27.4 – -29.1	**0.016 J**	--	--
6C-04-VC_2020	N	0 – 1	-13.9 – -14.9	**0.437**	--	--
6C-04-VC_2020	N	1 – 2	-14.9 – -15.9	**1.99**	--	--
6C-04-VC_2020	N	2 – 3	-15.9 – -16.9	**1.7**	--	--
6C-04-VC_2020	N	3 – 4	-16.9 – -17.9	**3.06**	--	--
6C-04-VC_2020	N	4 – 4.8	-17.9 – -18.7	**3.37**	**172 J**	**298**
6C-05-VC_2020	N	7 – 8	-29.1 – -30.1	**8.77**	--	--
6C-05-VC_2020	N	8 – 9	-30.1 – -31.1	**0.899**	--	--
6C-05-VC_2020	N	9 – 10	-31.1 – -32.1	**0.823**	--	--
6C-05-VC_2020	N	10 – 11	-32.1 – -33.1	**1.05**	**35.6 J**	**69.1**
6C-05-VC_2020	N	11 – 12	-33.1 – -34.1	**0.311**	**56.2 J**	**56.7 J**
6C-05-VC_2020	N	12 – 12.2	-34.1 – -34.3	**0.118**	--	--
6C-06-VC_2020	N	0 – 1	-18.2 – -19.2	**0.346**	--	--
6C-06-VC_2020	N	1 – 2	-19.2 – -20.2	**0.575**	--	--
6C-06-VC_2020	N	2 – 3	-20.2 – -21.2	**0.545**	--	--
6C-06-VC_2020	N	3 – 4	-21.2 – -22.2	**3.32**	--	--
6C-06-VC_2020	N	4 – 5	-22.2 – -23.2	**1.56**	**29.0 J**	**87.1 J**
6C-06-VC_2020	N	5 – 6	-23.2 – -24.2	**0.0323**	**0.288 J**	19.9 UJ
6C-06-VC_2020	N	6 – 7	-24.2 – -25.2	**0.0205 J**	--	--
6C-06-VC_2020	N	7 – 8	-25.2 – -26.2	**0.0212 J**	--	--
6C-06-VC_2020	N	8 – 9	-26.2 – -27.2	**0.0205 J**	--	--
6C-06-VC_2020	N	9 – 10	-27.2 – -28.2	**0.0171 J**	--	--

Notes:

Bold = Detected result

Preliminary unvalidated data - subject to change

Detected concentration is greater than SMS_Marine_SCO_SCUMII screening level

Detected concentration is greater than SMS_Marine_CSL_SCUMII screening level

Detected concentration is greater than PugetSoundNaturalBackground screening level

Detected concentration is greater than BellinghamB_RegionalBackground screening level

Total cPAH TEQ = (7 minimum CAEPA 2005) (U = 0)

Total Dioxin/Furan TEQ = 2005 (Mammal) (U = 0)

bgs: below ground surface

CSL: cleanup screening level

cPAH: carcinogenic polycyclic aromatic hydrocarbon

FD: field duplicate

ft: feet

J: estimated value

mg/kg: milligram per kilogram

N: normal environmental sample

ng/kg: nanogram per kilogram

PAH: polycyclic aromatic hydrocarbon

SCO: sediment cleanup objective

SMS: Sediment Management Standards

TEQ: toxic equivalents quotient

U: compound analyzed, but not detected above detection limit

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1A-07-VC	1A-07-VC	1A-07-VC	1A-07-VC
								Sample ID	1A-07-VC-0-1.3-200901	1A-07-VC-1.3-2.3-200901	1A-07-VC-2.3-3.3-200901	1A-07-VC-3.3-4.3-200901
								Sample Date	9/1/2020	9/1/2020	9/1/2020	9/1/2020
								Depth	0 - 1.3 ft	1.3 - 2.3 ft	2.3 - 3.3 ft	3.3 - 4.3 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1237739.61	1237739.61	1237739.61	1237739.61
								Y	639505.79	639505.79	639505.79	639505.79
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	**1.88**	--	--
Total Solids	SM2540G								**44.92**	**46.44**	**45.96**	**46.58**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**1.97**	**0.119**	**0.0541**	**0.0501**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1A-07-VC	1A-07-VC	1A-07-VC	1A-07-VC
								Sample ID	1A-07-VC-0-1.3-200901	1A-07-VC-1.3-2.3-200901	1A-07-VC-2.3-3.3-200901	1A-07-VC-3.3-4.3-200901
								Sample Date	9/1/2020	9/1/2020	9/1/2020	9/1/2020
								Depth	0 - 1.3 ft	1.3 - 2.3 ft	2.3 - 3.3 ft	3.3 - 4.3 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1237739.61	1237739.61	1237739.61	1237739.61
								Y	639505.79	639505.79	639505.79	639505.79
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	0.112 U	--	--	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	**0.56 J**	--	--	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**0.536 J**	--	--	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**1.47**	--	--	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**0.775 J**	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	**33**	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	**319**	--	--	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	**23.1**	--	--	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	**18.3**	--	--	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**34.3**	--	--	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	**69.9**	--	--	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	**0.585 J**	--	--	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	**0.334 J**	--	--	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	0.187 U	--	--	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**0.529 J**	--	--	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**0.35 J**	--	--	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	0.145 U	--	--	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**0.414 J**	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	**10.3**	--	--	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	0.29 U	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	**34.1**	--	--	
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	**4.31**	--	--	
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	**1.73**	--	--	
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	**11**	--	--	
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	**39.5**	--	--	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	**1.57 J**	--	--	

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1A-08-VC	1A-08-VC	1A-08-VC	1A-08-VC
								Sample ID	1A-08-VC-0-1.4-200827	1A-08-VC-1.4-2.4-200827	1A-08-VC-2.4-3.4-200827	1A-08-VC-3.4-4.4-200827
								Sample Date	8/27/2020	8/27/2020	8/27/2020	8/27/2020
								Depth	0 - 1.4 ft	1.4 - 2.4 ft	2.4 - 3.4 ft	3.4 - 4.4 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1237906.11	1237906.11	1237906.11	1237906.11
								Y	639342.61	639342.61	639342.61	639342.61
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	**1.66**	--
Total Solids	SM2540G								**44.45**	**49.63**	**46.04**	**46.03**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.309**	**1.26**	**0.0918**	**0.071**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1A-08-VC	1A-08-VC	1A-08-VC	1A-08-VC
								Sample ID	1A-08-VC-0-1.4-200827	1A-08-VC-1.4-2.4-200827	1A-08-VC-2.4-3.4-200827	1A-08-VC-3.4-4.4-200827
								Sample Date	8/27/2020	8/27/2020	8/27/2020	8/27/2020
								Depth	0 - 1.4 ft	1.4 - 2.4 ft	2.4 - 3.4 ft	3.4 - 4.4 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1237906.11	1237906.11	1237906.11	1237906.11
								Y	639342.61	639342.61	639342.61	639342.61
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								--	--	0.111 U	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								--	--	0.153 U	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**0.643 J**	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**0.938 J**	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**0.902 J**	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								--	--	**14.9**	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								--	--	**111**	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								--	--	**31**	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								--	--	**20.1**	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**39.6 J**	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								--	--	**29.5**	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								--	--	**0.571 J**	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	0.153 U	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	0.137 U	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**0.178 J**	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	0.115 UJ	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	0.155 UJ	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	0.115 UJ	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	**2.09 J**	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	0.207 UJ	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								--	--	**6.66 J**	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B								--	--	**2.21**	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	0.997 U	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**2.24 J**	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	**7.67 J**	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		--	--	**0.528 J**	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Task								WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
Location ID								1A-09-VC	1A-09-VC	1A-09-VC	1A-09-VC
Sample ID								1A-09-VC-0-1.2-200901	1A-09-VC-1.2-2.2-200901	1A-09-VC-2.2-3.2-200901	1A-09-VC-3.2-4.2-200901
Sample Date								9/1/2020	9/1/2020	9/1/2020	9/1/2020
Depth								0 - 1.2 ft	1.2 - 2.2 ft	2.2 - 3.2 ft	3.2 - 4.2 ft
Sample Type								N	N	N	N
Matrix								SE	SE	SE	SE
X								1238031.73	1238031.73	1238031.73	1238031.73
Y								639789.75	639789.75	639789.75	639789.75
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	1.91
Total Solids	SM2540G							45.52	46.79	47.87	47.68
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			0.283	0.893	2.12	0.129
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1A-09-VC	1A-09-VC	1A-09-VC	1A-09-VC
								Sample ID	1A-09-VC-0-1.2-200901	1A-09-VC-1.2-2.2-200901	1A-09-VC-2.2-3.2-200901	1A-09-VC-3.2-4.2-200901
								Sample Date	9/1/2020	9/1/2020	9/1/2020	9/1/2020
								Depth	0 - 1.2 ft	1.2 - 2.2 ft	2.2 - 3.2 ft	3.2 - 4.2 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1238031.73	1238031.73	1238031.73	1238031.73
								Y	639789.75	639789.75	639789.75	639789.75
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	**0.153 J**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	**0.377 J**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**0.357 J**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**1.33 J**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**0.748 J**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**29.8**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	**286**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	**11.2**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	**7.09**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**24.1 J**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**61.8**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	**0.454 J**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**0.225 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	0.154 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.548 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	0.117 UJ
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	0.158 UJ
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.321 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**7.02 J**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**0.479 J**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	**21**
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	**1.67**
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**0.907**
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**8.14 J**
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**27.6 J**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	**1.38 J**

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1A-10-VC	1A-10-VC	1A-10-VC	1A-10-VC
							Sample ID	1A-10-VC-0-1-200827	1A-10-VC-1-2-200827	1A-10-VC-2-3-200827	1A-10-VC-3-4-200827
							Sample Date	8/27/2020	8/27/2020	8/27/2020	8/27/2020
							Depth	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1238203.50	1238203.50	1238203.50	1238203.50
							Y	639630.04	639630.04	639630.04	639630.04
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**				
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	**1.55**	--	--
Total Solids	SM2540G							**47.19**	**45.83**	**47.9**	**47.65**
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			**1.98**	**0.0599**	**0.0656**	**0.0756**
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1A-10-VC	1A-10-VC	1A-10-VC	1A-10-VC
							Sample ID	1A-10-VC-0-1-200827	1A-10-VC-1-2-200827	1A-10-VC-2-3-200827	1A-10-VC-3-4-200827
							Sample Date	8/27/2020	8/27/2020	8/27/2020	8/27/2020
							Depth	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1238203.50	1238203.50	1238203.50	1238203.50
							Y	639630.04	639630.04	639630.04	639630.04
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	0.171 U	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	0.133 U	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	0.162 U	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	0.149 UJ	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	0.174 UJ	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	**0.457 J**	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	4.5 U	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	0.999 U	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	0.999 U	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	0.999 UJ	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	0.999 U	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	0.179 U	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	0.202 U	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	0.183 U	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	0.163 UJ	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	0.151 UJ	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	0.234 UJ	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	0.162 UJ	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	0.098 UJ	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	0.154 UJ	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	0.248 U	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	0.999 U	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	0.999 U	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	0.999 UJ	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	0.999 UJ	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	**0.00457 J**	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1B-11-VC	1B-11-VC	1B-11-VC	1B-11-VC
							Sample ID	1B-111-VC-0.6-1.6-200904	1B-11-VC-0.6-1.6-200904	1B-11-VC-1.6-2.6-200904	1B-11-VC-2.6-3.6-200904
							Sample Date	9/4/2020	9/4/2020	9/4/2020	9/4/2020
							Depth	0.6 - 1.6 ft	0.6 - 1.6 ft	1.6 - 2.6 ft	2.6 - 3.6 ft
							Sample Type	FD	N	N	N
							Matrix	SE	SE	SE	SE
							X	1238327.85	1238327.85	1238327.85	1238327.85
							Y	640080.08	640080.08	640080.08	640080.08
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	2
Total Solids	SM2540G							46.9	46.76	45.24	47.51
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			1.42 J	1.41 J	1.82 J	0.0722 J
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1B-11-VC	1B-11-VC	1B-11-VC	1B-11-VC
								Sample ID	1B-111-VC-0.6-1.6-200904	1B-11-VC-0.6-1.6-200904	1B-11-VC-1.6-2.6-200904	1B-11-VC-2.6-3.6-200904
								Sample Date	9/4/2020	9/4/2020	9/4/2020	9/4/2020
								Depth	0.6 - 1.6 ft	0.6 - 1.6 ft	1.6 - 2.6 ft	2.6 - 3.6 ft
								Sample Type	FD	N	N	N
								Matrix	SE	SE	SE	SE
								X	1238327.85	1238327.85	1238327.85	1238327.85
								Y	640080.08	640080.08	640080.08	640080.08
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	0.243 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	0.4 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**0.525 J**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**2.5**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**0.993 J**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**59.2**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	**448**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	**1.23**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	0.997 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**16.4**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**141**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	0.336 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	0.66 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	0.632 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.914 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.499 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	0.565 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.297 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**30.1 J**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**1.18 J**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	**91.1**
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	0.997 U
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**2.48**
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**24.8**
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**117**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	**1.64 J**

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1B-11-VC	1B-12-VC	1B-12-VC	1B-12-VC
							Sample ID	1B-11-VC-3.6-4.6-200904	1B-112-VC-5.1-6.1-200827	1B-12-VC-2.1-3.1-200827	1B-12-VC-3.1-4.1-200827
							Sample Date	9/4/2020	8/27/2020	8/27/2020	8/27/2020
							Depth	3.6 - 4.6 ft	5.1 - 6.1 ft	2.1 - 3.1 ft	3.1 - 4.1 ft
							Sample Type	N	FD	N	N
							Matrix	SE	SE	SE	SE
							X	1238327.85	1238500.83	1238500.83	1238500.83
							Y	640080.08	639919.34	639919.34	639919.34
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**				
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	--
Total Solids	SM2540G							**53.18**	**42.53**	**49.37**	**55.76**
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			**0.055 J**	**0.0902**	**3.39**	**0.751**
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1B-11-VC	1B-12-VC	1B-12-VC	1B-12-VC
							Sample ID	1B-11-VC-3.6-4.6-200904	1B-112-VC-5.1-6.1-200827	1B-12-VC-2.1-3.1-200827	1B-12-VC-3.1-4.1-200827
							Sample Date	9/4/2020	8/27/2020	8/27/2020	8/27/2020
							Depth	3.6 - 4.6 ft	5.1 - 6.1 ft	2.1 - 3.1 ft	3.1 - 4.1 ft
							Sample Type	N	FD	N	N
							Matrix	SE	SE	SE	SE
							X	1238327.85	1238500.83	1238500.83	1238500.83
							Y	640080.08	639919.34	639919.34	639919.34
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1B-12-VC	1B-12-VC	1B-13-VC	1B-13-VC
								Sample ID	1B-12-VC-4.1-5.1-200827	1B-12-VC-5.1-6.1-200827	1B-13-VC-1-2-200904	1B-13-VC-2-3-200904
								Sample Date	8/27/2020	8/27/2020	9/4/2020	9/4/2020
								Depth	4.1 - 5.1 ft	5.1 - 6.1 ft	1 - 2 ft	2 - 3 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1238500.83	1238500.83	1238622.85	1238622.85
								Y	639919.34	639919.34	640368.15	640368.15
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								**2.12**	--	--	--
Total Solids	SM2540G								**66.81**	**36.55**	**47.09**	**43.95**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.0709**	**0.0829**	**0.905 J**	**1.85 J**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1B-12-VC	1B-12-VC	1B-13-VC	1B-13-VC
								Sample ID	1B-12-VC-4.1-5.1-200827	1B-12-VC-5.1-6.1-200827	1B-13-VC-1-2-200904	1B-13-VC-2-3-200904
								Sample Date	8/27/2020	8/27/2020	9/4/2020	9/4/2020
								Depth	4.1 - 5.1 ft	5.1 - 6.1 ft	1 - 2 ft	2 - 3 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1238500.83	1238500.83	1238622.85	1238622.85
								Y	639919.34	639919.34	640368.15	640368.15
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**0.116 J**	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								0.084 U	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**0.148 J**	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**0.516 J**	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**0.476 J**	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**11.9**	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								**114**	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**1.26**	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**1.18**	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**7.03 J**	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**26.5**	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								**0.208 J**	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								0.117 U	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								0.103 U	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								0.122 UJ	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								0.124 UJ	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								0.151 UJ	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								0.118 UJ	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								**3.16 J**	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								**0.214 J**	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								**11.6**	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B								**1.19**	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B								0.998 U	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B								**2.97 J**	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B								**12.1 J**	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		**0.441 J**	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1B-13-VC	1B-13-VC	1B-13-VC	1B-13-VC
								Sample ID	1B-13-VC-3-4-200904	1B-13-VC-4-5-200904	1B-13-VC-5-6-200904	1B-13-VC-6-7-200904
								Sample Date	9/4/2020	9/4/2020	9/4/2020	9/4/2020
								Depth	3 - 4 ft	4 - 5 ft	5 - 6 ft	6 - 7 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1238622.85	1238622.85	1238622.85	1238622.85
								Y	640368.15	640368.15	640368.15	640368.15
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	0.95	--
Total Solids	SM2540G								48.42	55.97	61.72	62.39
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				3.04 J	0.68 J	0.258	0.0551
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1B-13-VC	1B-13-VC	1B-13-VC	1B-13-VC
								Sample ID	1B-13-VC-3-4-200904	1B-13-VC-4-5-200904	1B-13-VC-5-6-200904	1B-13-VC-6-7-200904
								Sample Date	9/4/2020	9/4/2020	9/4/2020	9/4/2020
								Depth	3 - 4 ft	4 - 5 ft	5 - 6 ft	6 - 7 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1238622.85	1238622.85	1238622.85	1238622.85
								Y	640368.15	640368.15	640368.15	640368.15
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	0.248 U	--	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	0.214 U	--	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	0.243 U	--	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**2.09 J**	--	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**0.813 J**	--	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	**65.6**	--	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	**796**	--	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	**0.849**	--	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	0.999 U	--	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**12.3**	--	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	**161**	--	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	**0.943 J**	--	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	**0.472 J**	--	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	0.257 U	--	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**1.32 J**	--	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**0.38 J**	--	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**0.509 J**	--	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**0.441 J**	--	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	**18.4**	--	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	**1.01**	--	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	**59.4**	--	
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	**3.3**	--	
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	**3.38**	--	
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**17.5**	--	
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	**67.5**	--	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	**1.77 J**	--	

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1B-13-VC	1B-14-VC	1B-14-VC	1B-14-VC
								Sample ID	1B-13-VC-7-8.1-200904	1B-14-VC-0-1-200826	1B-14-VC-10-11-200826	1B-14-VC-11-12-200826
								Sample Date	9/4/2020	8/26/2020	8/26/2020	8/26/2020
								Depth	7 - 8.1 ft	0 - 1 ft	10 - 11 ft	11 - 12 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1238622.85	1238783.99	1238783.99	1238783.99
								Y	640368.15	640198.33	640198.33	640198.33
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								**0.99**	--	--	--
Total Solids	SM2540G								**56.29**	**41.79**	**55.07**	**59.6**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.0772**	**1.13**	**0.0564 J**	**0.056 J**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1B-13-VC	1B-14-VC	1B-14-VC	1B-14-VC
								Sample ID	1B-13-VC-7-8.1-200904	1B-14-VC-0-1-200826	1B-14-VC-10-11-200826	1B-14-VC-11-12-200826
								Sample Date	9/4/2020	8/26/2020	8/26/2020	8/26/2020
								Depth	7 - 8.1 ft	0 - 1 ft	10 - 11 ft	11 - 12 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1238622.85	1238783.99	1238783.99	1238783.99
								Y	640368.15	640198.33	640198.33	640198.33
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								0.145 U	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								0.158 U	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								0.196 U	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**0.225 J**	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								0.212 U	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**3.74**	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								**29.6**	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**0.739**	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								1 U	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								1 U	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**7.38**	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								0.168 U	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								0.22 U	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								0.215 U	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								0.148 U	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								0.144 U	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								0.211 U	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								0.145 U	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								**0.679 J**	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								0.245 U	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								**1.5 J**	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B								**0.257**	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B								1 U	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B								1 U	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B								1 U	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		**0.0760 J**	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1B-14-VC	1B-14-VC	1B-14-VC	1B-14-VC
							Sample ID	1B-14-VC-12-13.4-200826	1B-14-VC-1-2-200826	1B-14-VC-2-3-200826	1B-14-VC-3-4-200826
							Sample Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
							Depth	12 - 13.4 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1238783.99	1238783.99	1238783.99	1238783.99
							Y	640198.33	640198.33	640198.33	640198.33
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	1.1
Total Solids	SM2540G							61.55	42.59	49.32	60.41
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			0.0571 J	2.49	1.21	0.274
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1B-14-VC	1B-14-VC	1B-14-VC	1B-14-VC
								Sample ID	1B-14-VC-12-13.4-200826	1B-14-VC-1-2-200826	1B-14-VC-2-3-200826	1B-14-VC-3-4-200826
								Sample Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
								Depth	12 - 13.4 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1238783.99	1238783.99	1238783.99	1238783.99
								Y	640198.33	640198.33	640198.33	640198.33
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								--	--	--	0.246 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								--	--	--	0.216 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	--	0.275 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	--	0.254 UJ
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	--	0.295 UJ
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								--	--	--	**2.46 J**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								--	--	--	**33.6**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								--	--	--	1 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								--	--	--	1 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	--	1 UJ
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								--	--	--	**2.21**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								--	--	--	0.266 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	--	0.257 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	--	0.239 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	--	0.212 UJ
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	--	0.201 UJ
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	--	0.347 UJ
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	--	0.222 UJ
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	--	**0.59 J**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	--	0.315 UJ
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								--	--	--	**1.83 J**
Total Tetrachlorodibenzofuran (TCDF)	E1613B								--	--	--	1 U
Total Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	--	1 U
Total Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	--	1 UJ
Total Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	--	**1.96 J**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		--	--	--	**0.0411 J**

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1B-14-VC	1B-14-VC	1B-14-VC	1B-14-VC
							Sample ID	1B-14-VC-4-5-200826	1B-14-VC-5-6-200826	1B-14-VC-6-7-200826	1B-14-VC-7-8-200826
							Sample Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
							Depth	4 - 5 ft	5 - 6 ft	6 - 7 ft	7 - 8 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1238783.99	1238783.99	1238783.99	1238783.99
							Y	640198.33	640198.33	640198.33	640198.33
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	--
Total Solids	SM2540G							**52.72**	**48.57**	**48.75**	**51.17**
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			**0.0837 J**	**0.0753 J**	**0.0696 J**	**0.0732 J**
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1B-14-VC	1B-14-VC	1B-14-VC	1B-14-VC
							Sample ID	1B-14-VC-4-5-200826	1B-14-VC-5-6-200826	1B-14-VC-6-7-200826	1B-14-VC-7-8-200826
							Sample Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
							Depth	4 - 5 ft	5 - 6 ft	6 - 7 ft	7 - 8 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1238783.99	1238783.99	1238783.99	1238783.99
							Y	640198.33	640198.33	640198.33	640198.33
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1B-14-VC	1B-14-VC	1B-15-VC	1B-15-VC
								Sample ID	1B-14-VC-8-9-200826	1B-14-VC-9-10-200826	1B-15-VC-1.8-2.8-200903	1B-15-VC-2.8-3.8-200903
								Sample Date	8/26/2020	8/26/2020	9/3/2020	9/3/2020
								Depth	8 - 9 ft	9 - 10 ft	1.8 - 2.8 ft	2.8 - 3.8 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1238783.99	1238783.99	1238920.31	1238920.31
								Y	640198.33	640198.33	640653.19	640653.19
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	--	--
Total Solids	SM2540G								51.93	54.33	45.91	45.9
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				0.074 J	0.0596 J	0.951	2.29
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1B-14-VC	1B-14-VC	1B-15-VC	1B-15-VC
							Sample ID	1B-14-VC-8-9-200826	1B-14-VC-9-10-200826	1B-15-VC-1.8-2.8-200903	1B-15-VC-2.8-3.8-200903
							Sample Date	8/26/2020	8/26/2020	9/3/2020	9/3/2020
							Depth	8 - 9 ft	9 - 10 ft	1.8 - 2.8 ft	2.8 - 3.8 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1238783.99	1238783.99	1238920.31	1238920.31
							Y	640198.33	640198.33	640653.19	640653.19
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Task								WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
Location ID								1B-15-VC	1B-15-VC	1B-15-VC	1B-15-VC
Sample ID								1B-15-VC-3.8-4.8-200903	1B-15-VC-4.8-5.8-200903	1B-15-VC-6.8-7.8-200903	1B-15-VC-7.8-8.8-200903
Sample Date								9/3/2020	9/3/2020	9/3/2020	9/3/2020
Depth								3.8 - 4.8 ft	4.8 - 5.8 ft	6.8 - 7.8 ft	7.8 - 8.8 ft
Sample Type								N	N	N	N
Matrix								SE	SE	SE	SE
X								1238920.31	1238920.31	1238920.31	1238920.31
Y								640653.19	640653.19	640653.19	640653.19
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	--
Total Solids	SM2540G							55.61	56.2	50.94	53.94
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			0.434	0.896	0.0735	0.0721
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1B-15-VC	1B-15-VC	1B-15-VC	1B-15-VC
							Sample ID	1B-15-VC-3.8-4.8-200903	1B-15-VC-4.8-5.8-200903	1B-15-VC-6.8-7.8-200903	1B-15-VC-7.8-8.8-200903
							Sample Date	9/3/2020	9/3/2020	9/3/2020	9/3/2020
							Depth	3.8 - 4.8 ft	4.8 - 5.8 ft	6.8 - 7.8 ft	7.8 - 8.8 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1238920.31	1238920.31	1238920.31	1238920.31
							Y	640653.19	640653.19	640653.19	640653.19
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1B-15-VC	1B-15-VC	1B-16-VC	1B-16-VC
								Sample ID	1B-15-VC-8.8-9.8-200903	1B-15-VC-9.8-10.8-200903	1B-116-VC-2-3-200901	1B-16-VC-1-2-200901
								Sample Date	9/3/2020	9/3/2020	9/1/2020	9/1/2020
								Depth	8.8 - 9.8 ft	9.8 - 10.8 ft	2 - 3 ft	1 - 2 ft
								Sample Type	N	N	FD	N
								Matrix	SE	SE	SE	SE
								X	1238920.31	1238920.31	1239085.11	1239085.11
								Y	640653.19	640653.19	640486.22	640486.22
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								**0.97**	--	--	--
Total Solids	SM2540G								**52.52**	**54.57**	**51.41**	**43.7**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.0667**	**0.0698**	**2.34**	**0.816**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1B-15-VC	1B-15-VC	1B-16-VC	1B-16-VC
								Sample ID	1B-15-VC-8.8-9.8-200903	1B-15-VC-9.8-10.8-200903	1B-116-VC-2-3-200901	1B-16-VC-1-2-200901
								Sample Date	9/3/2020	9/3/2020	9/1/2020	9/1/2020
								Depth	8.8 - 9.8 ft	9.8 - 10.8 ft	2 - 3 ft	1 - 2 ft
								Sample Type	N	N	FD	N
								Matrix	SE	SE	SE	SE
								X	1238920.31	1238920.31	1239085.11	1239085.11
								Y	640653.19	640653.19	640486.22	640486.22
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								0.119 U	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								0.11 U	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								0.108 U	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								0.094 U	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								0.112 U	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								2.42 U	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								28.6 U	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								0.996 U	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**0.117**	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**0.513**	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								0.996 U	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								0.07 UJ	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								0.099 UJ	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								0.088 UJ	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								0.067 UJ	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								0.064 U	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								0.087 U	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								0.065 U	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								0.38 U	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								0.113 U	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								4.97 U	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B								0.996 U	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B								0.996 U	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B								0.996 U	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B								**1.3**	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		0.119 UJ	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background	WWP2_PRDI 1B-16-VC 1B-16-VC-2-3-200901 9/1/2020 2 - 3 ft N SE 1239085.11 640486.22	WWP2_PRDI 1B-16-VC 1B-16-VC-3-4-200901 9/1/2020 3 - 4 ft N SE 1239085.11 640486.22	WWP2_PRDI 1B-16-VC 1B-16-VC-4-5-200901 9/1/2020 4 - 5 ft N SE 1239085.11 640486.22	WWP2_PRDI 1C-09-VC 1C-09-VC-2.5-3.5-200903 9/3/2020 2.5 - 3.5 ft N SE 1239033.65 640758.51
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	**1.42**	--	--
Total Solids	SM2540G							**51.67**	**56.75**	**54.01**	**49.38**
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			**3.27**	**0.0539**	**0.0615**	**3.04**
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1B-16-VC	1B-16-VC	1B-16-VC	1C-09-VC
								Sample ID	1B-16-VC-2-3-200901	1B-16-VC-3-4-200901	1B-16-VC-4-5-200901	1C-09-VC-2.5-3.5-200903
								Sample Date	9/1/2020	9/1/2020	9/1/2020	9/3/2020
								Depth	2 - 3 ft	3 - 4 ft	4 - 5 ft	2.5 - 3.5 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239085.11	1239085.11	1239085.11	1239033.65
								Y	640486.22	640486.22	640486.22	640758.51
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	0.096 U	--	--	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	0.148 U	--	--	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**0.628 J**	--	--	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**1.61 J**	--	--	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**0.985 J**	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	**44.4**	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	**382**	--	--	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	**24.6**	--	--	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	**16.7**	--	--	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**48.1 J**	--	--	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	**105**	--	--	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	**0.446 J**	--	--	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	0.233 U	--	--	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	0.206 U	--	--	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**0.383 J**	--	--	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	0.174 UJ	--	--	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	0.234 UJ	--	--	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**0.31 J**	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	**11.5 J**	--	--	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	**0.664 J**	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	**42.2**	--	--	
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	**0.381**	--	--	
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	**1.06**	--	--	
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	**9.66 J**	--	--	
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	**42.1 J**	--	--	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	**1.13 J**	--	--	

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-09-VC	1C-09-VC	1C-09-VC	1C-09-VC
								Sample ID	1C-09-VC-3.5-4.5-200903	1C-09-VC-4.5-5.5-200903	1C-09-VC-5.5-6.5-200903	1C-09-VC-6.5-7.5-200903
								Sample Date	9/3/2020	9/3/2020	9/3/2020	9/3/2020
								Depth	3.5 - 4.5 ft	4.5 - 5.5 ft	5.5 - 6.5 ft	6.5 - 7.5 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239033.65	1239033.65	1239033.65	1239033.65
								Y	640758.51	640758.51	640758.51	640758.51
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	1.78	--
Total Solids	SM2540G								50.19	55.42	57.91	52.04
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				11	0.916	0.319	0.499 J
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-09-VC	1C-09-VC	1C-09-VC	1C-09-VC
								Sample ID	1C-09-VC-3.5-4.5-200903	1C-09-VC-4.5-5.5-200903	1C-09-VC-5.5-6.5-200903	1C-09-VC-6.5-7.5-200903
								Sample Date	9/3/2020	9/3/2020	9/3/2020	9/3/2020
								Depth	3.5 - 4.5 ft	4.5 - 5.5 ft	5.5 - 6.5 ft	6.5 - 7.5 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239033.65	1239033.65	1239033.65	1239033.65
								Y	640758.51	640758.51	640758.51	640758.51
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								--	--	**0.601 J**	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								--	--	**2.58 J**	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**2.56 J**	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**19.1 J**	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**5.69 J**	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								--	--	**569 J**	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								--	--	**5430 J**	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								--	--	**12.1 J**	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								--	--	**34.1 J**	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**278 J**	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								--	--	**1520 J**	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								--	--	**17.4 J**	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	**1.57 J**	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	**1.76 J**	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**7.1 J**	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**2.87 J**	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**4.18 J**	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**5.55 J**	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	**254 J**	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	**10.8 J**	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								--	--	**900 J**	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B								--	--	**92.5 J**	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	**97.3 J**	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**260 J**	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	**1070 J**	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		--	--	**20.4 J**	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-09-VC	1C-09-VC	1C-09-VC	1C-10-VC
								Sample ID	1C-09-VC-7.5-8.5-200903	1C-09-VC-8.5-9.5-200903	1C-09-VC-9.5-10.9-200903	1C-10-VC-3.5-4.5-200902
								Sample Date	9/3/2020	9/3/2020	9/3/2020	9/2/2020
								Depth	7.5 - 8.5 ft	8.5 - 9.5 ft	9.5 - 10.9 ft	3.5 - 4.5 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239033.65	1239033.65	1239033.65	1239197.81
								Y	640758.51	640758.51	640758.51	640589.10
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								2.21	1.16	--	--
Total Solids	SM2540G								52.42	57.34	60.89	40.46
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				0.216 J	0.109 J	0.0543 J	0.953 J
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-09-VC	1C-09-VC	1C-09-VC	1C-10-VC
								Sample ID	1C-09-VC-7.5-8.5-200903	1C-09-VC-8.5-9.5-200903	1C-09-VC-9.5-10.9-200903	1C-10-VC-3.5-4.5-200902
								Sample Date	9/3/2020	9/3/2020	9/3/2020	9/2/2020
								Depth	7.5 - 8.5 ft	8.5 - 9.5 ft	9.5 - 10.9 ft	3.5 - 4.5 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239033.65	1239033.65	1239033.65	1239197.81
								Y	640758.51	640758.51	640758.51	640589.10
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**0.515 J**	0.125 U	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**1.38 J**	**1.31**	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**1.2**	**0.386 J**	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**11**	**1.14**	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**2.58**	**0.615 J**	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**341**	**47.7**	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								**4290 J**	**397**	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**11.2**	**7.71**	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**7.73**	**32.9**	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**143**	**185**	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**888**	**299**	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								**3.93 J**	0.16 UJ	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								0.394 U	0.237 UJ	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								0.338 U	0.217 UJ	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**4.1 J**	**0.396 J**	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**1.52**	**0.188 J**	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								**1.78**	0.3 U	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**2.84**	0.214 U	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								**148**	**13**	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								**5.85 J**	**0.753 J**	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								**571**	**48.1**	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B								**25**	**1.76**	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B								**28.1**	**1.11**	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B								**135**	**8.82**	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B								**606**	**48.3**	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		**11.2 J**	**2.33 J**	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-10-VC	1C-10-VC	1C-10-VC	1C-10-VC
								Sample ID	1C-10-VC-4.5-5.5-200902	1C-10-VC-5.5-6.5-200902	1C-10-VC-6.5-7.5-200902	1C-10-VC-7.5-8.5-200902
								Sample Date	9/2/2020	9/2/2020	9/2/2020	9/2/2020
								Depth	4.5 - 5.5 ft	5.5 - 6.5 ft	6.5 - 7.5 ft	7.5 - 8.5 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239197.81	1239197.81	1239197.81	1239197.81
								Y	640589.10	640589.10	640589.10	640589.10
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	--	--
Total Solids	SM2540G								46.31	54.69	61.19	65.43
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				1.15 J	2.59 J	1.21 J	0.469 J
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1C-10-VC	1C-10-VC	1C-10-VC	1C-10-VC
							Sample ID	1C-10-VC-4.5-5.5-200902	1C-10-VC-5.5-6.5-200902	1C-10-VC-6.5-7.5-200902	1C-10-VC-7.5-8.5-200902
							Sample Date	9/2/2020	9/2/2020	9/2/2020	9/2/2020
							Depth	4.5 - 5.5 ft	5.5 - 6.5 ft	6.5 - 7.5 ft	7.5 - 8.5 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1239197.81	1239197.81	1239197.81	1239197.81
							Y	640589.10	640589.10	640589.10	640589.10
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-10-VC	1C-10-VC	1C-11-VC	1C-11-VC
								Sample ID	1C-10-VC-8.5-9-200902	1C-110-VC-4.5-5.5-200902	1C-111-VC-0-1.4-200902	1C-11-VC-0-1.4-200902
								Sample Date	9/2/2020	9/2/2020	9/2/2020	9/2/2020
								Depth	8.5 - 9 ft	4.5 - 5.5 ft	0 - 1.4 ft	0 - 1.4 ft
								Sample Type	N	FD	FD	N
								Matrix	SE	SE	SE	SE
								X	1239197.81	1239197.81	1239241.38	1239241.38
								Y	640589.10	640589.10	640953.88	640953.88
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								**0.59**	--	--	--
Total Solids	SM2540G								**70.21**	**46.69**	**44.6**	**44.46**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.0734 J**	**1.21 J**	**0.486**	**0.521**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-10-VC	1C-10-VC	1C-11-VC	1C-11-VC
								Sample ID	1C-10-VC-8.5-9-200902	1C-110-VC-4.5-5.5-200902	1C-111-VC-0-1.4-200902	1C-11-VC-0-1.4-200902
								Sample Date	9/2/2020	9/2/2020	9/2/2020	9/2/2020
								Depth	8.5 - 9 ft	4.5 - 5.5 ft	0 - 1.4 ft	0 - 1.4 ft
								Sample Type	N	FD	FD	N
								Matrix	SE	SE	SE	SE
								X	1239197.81	1239197.81	1239241.38	1239241.38
								Y	640589.10	640589.10	640953.88	640953.88
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								0.113 U	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								0.169 U	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								0.214 U	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**0.363 J**	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								0.228 U	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**10.3**	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								**92**	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**2.46**	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**4.42**	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**6.19**	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**22.7**	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								**0.21 J**	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								0.138 UJ	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								0.125 UJ	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**0.192 J**	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								0.108 U	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								0.164 U	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								0.113 U	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								**2.03**	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								0.176 U	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								8.17 U	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B								0.998 U	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B								0.998 U	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B								**1.53**	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B								**9.14**	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		**0.227 J**	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-11-VC	1C-11-VC	1C-11-VC	1C-11-VC
								Sample ID	1C-11-VC-1.4-2.4-200902	1C-11-VC-2.4-3.4-200902	1C-11-VC-3.4-4.4-200902	1C-11-VC-4.4-5.4-200902
								Sample Date	9/2/2020	9/2/2020	9/2/2020	9/2/2020
								Depth	1.4 - 2.4 ft	2.4 - 3.4 ft	3.4 - 4.4 ft	4.4 - 5.4 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239241.38	1239241.38	1239241.38	1239241.38
								Y	640953.88	640953.88	640953.88	640953.88
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	--	--
Total Solids	SM2540G								**43.11**	**48.59**	**49.85**	**56.05**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**1.2**	**4.08**	**22.7**	**3.01 J**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-11-VC	1C-11-VC	1C-11-VC	1C-11-VC
								Sample ID	1C-11-VC-1.4-2.4-200902	1C-11-VC-2.4-3.4-200902	1C-11-VC-3.4-4.4-200902	1C-11-VC-4.4-5.4-200902
								Sample Date	9/2/2020	9/2/2020	9/2/2020	9/2/2020
								Depth	1.4 - 2.4 ft	2.4 - 3.4 ft	3.4 - 4.4 ft	4.4 - 5.4 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239241.38	1239241.38	1239241.38	1239241.38
								Y	640953.88	640953.88	640953.88	640953.88
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B								--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-11-VC	1C-11-VC	1C-11-VC	1C-11-VC
								Sample ID	1C-11-VC-5.4-6.4-200902	1C-11-VC-6.4-7.4-200902	1C-11-VC-7.4-8.4-200902	1C-11-VC-8.4-9.4-200902
								Sample Date	9/2/2020	9/2/2020	9/2/2020	9/2/2020
								Depth	5.4 - 6.4 ft	6.4 - 7.4 ft	7.4 - 8.4 ft	8.4 - 9.4 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239241.38	1239241.38	1239241.38	1239241.38
								Y	640953.88	640953.88	640953.88	640953.88
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	--	1.65
Total Solids	SM2540G								55.96	53.84	55.89	59.88
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				3.24 J	1.29 J	0.367 J	0.363 J
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-11-VC	1C-11-VC	1C-11-VC	1C-11-VC
								Sample ID	1C-11-VC-5.4-6.4-200902	1C-11-VC-6.4-7.4-200902	1C-11-VC-7.4-8.4-200902	1C-11-VC-8.4-9.4-200902
								Sample Date	9/2/2020	9/2/2020	9/2/2020	9/2/2020
								Depth	5.4 - 6.4 ft	6.4 - 7.4 ft	7.4 - 8.4 ft	8.4 - 9.4 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239241.38	1239241.38	1239241.38	1239241.38
								Y	640953.88	640953.88	640953.88	640953.88
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	0.111 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	0.175 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	0.236 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**1.26 J**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**0.368 J**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**51.2**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	**622**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	**0.244**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	**0.994**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**25**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**134**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	0.134 UJ
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	0.147 UJ
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	0.135 UJ
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.608 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.157 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	0.184 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.566 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**17.7**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**0.854 J**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	**73.9**
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	**2.01**
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**3.52**
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**13.9**
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**73**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	**1.20 J**

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-11-VC	1C-12-VC	1C-12-VC	1C-12-VC
								Sample ID	1C-11-VC-9.4-11-200902	1C-12-VC-0-1.6-200902	1C-12-VC-1.6-2.6-200902	1C-12-VC-2.6-3.6-200902
								Sample Date	9/2/2020	9/2/2020	9/2/2020	9/2/2020
								Depth	9.4 - 11 ft	0 - 1.6 ft	1.6 - 2.6 ft	2.6 - 3.6 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239241.38	1239399.60	1239399.60	1239399.60
								Y	640953.88	640786.48	640786.48	640786.48
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	--	--
Total Solids	SM2540G								**69.45**	**46.39**	**49.21**	**56.72**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.148 J**	**0.761 J**	**2.29 J**	**4.7 J**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1C-11-VC	1C-12-VC	1C-12-VC	1C-12-VC
							Sample ID	1C-11-VC-9.4-11-200902	1C-12-VC-0-1.6-200902	1C-12-VC-1.6-2.6-200902	1C-12-VC-2.6-3.6-200902
							Sample Date	9/2/2020	9/2/2020	9/2/2020	9/2/2020
							Depth	9.4 - 11 ft	0 - 1.6 ft	1.6 - 2.6 ft	2.6 - 3.6 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1239241.38	1239399.60	1239399.60	1239399.60
							Y	640953.88	640786.48	640786.48	640786.48
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1C-12-VC	1C-12-VC	1C-12-VC	1C-12-VC
							Sample ID	1C-12-VC-3.6-4.6-200902	1C-12-VC-4.6-5.6-200902	1C-12-VC-5.6-6.6-200902	1C-12-VC-6.6-7.6-200902
							Sample Date	9/2/2020	9/2/2020	9/2/2020	9/2/2020
							Depth	3.6 - 4.6 ft	4.6 - 5.6 ft	5.6 - 6.6 ft	6.6 - 7.6 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1239399.60	1239399.60	1239399.60	1239399.60
							Y	640786.48	640786.48	640786.48	640786.48
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	0.33
Total Solids	SM2540G							56.93	59.06	62.9	83.34
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			3.53 J	5.1 J	6.89 J	0.296 J
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-12-VC	1C-12-VC	1C-12-VC	1C-12-VC
								Sample ID	1C-12-VC-3.6-4.6-200902	1C-12-VC-4.6-5.6-200902	1C-12-VC-5.6-6.6-200902	1C-12-VC-6.6-7.6-200902
								Sample Date	9/2/2020	9/2/2020	9/2/2020	9/2/2020
								Depth	3.6 - 4.6 ft	4.6 - 5.6 ft	5.6 - 6.6 ft	6.6 - 7.6 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239399.60	1239399.60	1239399.60	1239399.60
								Y	640786.48	640786.48	640786.48	640786.48
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	0.115 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	0.13 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	0.178 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**1.1**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**0.365 J**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**37.3**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	**393**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	**0.494**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	0.993 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**7.95**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**76.4**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	0.124 UJ
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**0.457 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	0.159 UJ
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.898 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.247 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.394 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.202 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**10.2**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**0.672 J**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	**41.9**
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	**1.35**
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**1.4**
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**10.8**
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**39.7**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	**0.947 J**

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Task								WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
Location ID								1C-12-VC	1C-12-VC	1C-13-VC	1C-13-VC
Sample ID								1C-12-VC-7.6-8.6-200902	1C-12-VC-8.6-10-200902	1C-13-VC-0-1-200902	1C-13-VC-1-2-200902
Sample Date								9/2/2020	9/2/2020	9/2/2020	9/2/2020
Depth								7.6 - 8.6 ft	8.6 - 10 ft	0 - 1 ft	1 - 2 ft
Sample Type								N	N	N	N
Matrix								SE	SE	SE	SE
X								1239399.60	1239399.60	1239473.11	1239473.11
Y								640786.48	640786.48	641176.05	641176.05
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	0.54
Total Solids	SM2540G							83.21	82.85	48.79	73.1
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			0.0223 J	0.019 J	1.51	0.353
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-12-VC	1C-12-VC	1C-13-VC	1C-13-VC
								Sample ID	1C-12-VC-7.6-8.6-200902	1C-12-VC-8.6-10-200902	1C-13-VC-0-1-200902	1C-13-VC-1-2-200902
								Sample Date	9/2/2020	9/2/2020	9/2/2020	9/2/2020
								Depth	7.6 - 8.6 ft	8.6 - 10 ft	0 - 1 ft	1 - 2 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239399.60	1239399.60	1239473.11	1239473.11
								Y	640786.48	640786.48	641176.05	641176.05
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	**0.34 J**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	**1.51**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**3.51**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**10.9**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**6.31**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**237**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	**1680**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	**174**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	**139**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**437**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**496**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	**5.1**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**1.25 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**1.31**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**2.99 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**1.35 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**1.04**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**1.85**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**39.8 J**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**2.13 J**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	**110**
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	**17.6**
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**13**
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**53.5**
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**146**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	**8.91 J**

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-13-VC	1C-13-VC	1C-14-VC	1C-14-VC
								Sample ID	1C-13-VC-2-3-200902	1C-13-VC-3-4-200902	1C-14-VC-1.7-2.7-200828	1C-14-VC-2.7-3.7-200828
								Sample Date	9/2/2020	9/2/2020	8/28/2020	8/28/2020
								Depth	2 - 3 ft	3 - 4 ft	1.7 - 2.7 ft	2.7 - 3.7 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239473.11	1239473.11	1239637.22	1239637.22
								Y	641176.05	641176.05	641008.49	641008.49
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								**0.18**	--	--	--
Total Solids	SM2540G								**82.62**	**82.35**	**45.49**	**66.76**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.0431**	**0.0313**	**0.31**	**0.648**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-13-VC	1C-13-VC	1C-14-VC	1C-14-VC
								Sample ID	1C-13-VC-2-3-200902	1C-13-VC-3-4-200902	1C-14-VC-1.7-2.7-200828	1C-14-VC-2.7-3.7-200828
								Sample Date	9/2/2020	9/2/2020	8/28/2020	8/28/2020
								Depth	2 - 3 ft	3 - 4 ft	1.7 - 2.7 ft	2.7 - 3.7 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239473.11	1239473.11	1239637.22	1239637.22
								Y	641176.05	641176.05	641008.49	641008.49
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							0.124 U	--	--	--	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							**0.154 J**	--	--	--	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**0.422 J**	--	--	--	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**1.2**	--	--	--	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**0.587 J**	--	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							**23.3**	--	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							**194**	--	--	--	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							**12.7**	--	--	--	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							**7.72**	--	--	--	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**20.9**	--	--	--	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							**52.3**	--	--	--	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							**0.47 J**	--	--	--	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							0.14 U	--	--	--	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							0.128 U	--	--	--	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							**0.312 J**	--	--	--	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							**0.11 J**	--	--	--	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							0.124 U	--	--	--	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							**0.154 J**	--	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							**4.84**	--	--	--	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							**0.268 J**	--	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							**12.2**	--	--	--	
Total Tetrachlorodibenzofuran (TCDF)	E1613B							**1.28**	--	--	--	
Total Pentachlorodibenzofuran (PeCDF)	E1613B							**0.766**	--	--	--	
Total Hexachlorodibenzofuran (HxCDF)	E1613B							**4.86**	--	--	--	
Total Heptachlorodibenzofuran (HpCDF)	E1613B							**17.3**	--	--	--	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	**0.825 J**	--	--	--	

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-14-VC	1C-14-VC	1C-14-VC	1C-14-VC
								Sample ID	1C-14-VC-3.7-4.7-200828	1C-14-VC-4.7-5.7-200828	1C-14-VC-5.7-6.7-200828	1C-14-VC-6.7-7.7-200828
								Sample Date	8/28/2020	8/28/2020	8/28/2020	8/28/2020
								Depth	3.7 - 4.7 ft	4.7 - 5.7 ft	5.7 - 6.7 ft	6.7 - 7.7 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239637.22	1239637.22	1239637.22	1239637.22
								Y	641008.49	641008.49	641008.49	641008.49
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	--	--
Total Solids	SM2540G								**64.44**	**34.81**	**63.04**	**70.31**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**7.33**	**13.3**	**16.9 J**	**4.46 J**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1C-14-VC	1C-14-VC	1C-14-VC	1C-14-VC
							Sample ID	1C-14-VC-3.7-4.7-200828	1C-14-VC-4.7-5.7-200828	1C-14-VC-5.7-6.7-200828	1C-14-VC-6.7-7.7-200828
							Sample Date	8/28/2020	8/28/2020	8/28/2020	8/28/2020
							Depth	3.7 - 4.7 ft	4.7 - 5.7 ft	5.7 - 6.7 ft	6.7 - 7.7 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1239637.22	1239637.22	1239637.22	1239637.22
							Y	641008.49	641008.49	641008.49	641008.49
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-14-VC	1C-15-VC	1C-15-VC	1C-15-VC
								Sample ID	1C-14-VC-7.7-9.5-200828	1C-15-VC-0-1-200825	1C-15-VC-1-2-200825	1C-15-VC-2-3-200825
								Sample Date	8/28/2020	8/25/2020	8/25/2020	8/25/2020
								Depth	7.7 - 9.5 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239637.22	1239711.5	1239711.5	1239711.5
								Y	641008.49	640990.37	640990.37	640990.37
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								**2.28**	--	--	--
Total Solids	SM2540G								**69.9**	**58.67**	**46.79**	**44.79**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.476 J**	**0.34**	**0.499**	**0.535**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-14-VC	1C-15-VC	1C-15-VC	1C-15-VC
								Sample ID	1C-14-VC-7.7-9.5-200828	1C-15-VC-0-1-200825	1C-15-VC-1-2-200825	1C-15-VC-2-3-200825
								Sample Date	8/28/2020	8/25/2020	8/25/2020	8/25/2020
								Depth	7.7 - 9.5 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239637.22	1239711.5	1239711.5	1239711.5
								Y	641008.49	640990.37	640990.37	640990.37
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**0.484 J**	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**1.74**	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**1.55**	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**14.5**	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**4.09**	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**533**	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								**5400 J**	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**16.2**	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**21**	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**99.6**	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**1320**	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								**4.86 J**	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**1.9**	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**2 J**	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**8.98 J**	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**3.02 J**	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								**2.69 J**	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**4.78**	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								**217 J**	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								**10.1 J**	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								**631**	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B								**32.4**	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B								**43.8**	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B								**204**	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B								**897**	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		**16.7 J**	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-15-VC	1C-15-VC	1C-15-VC	1C-15-VC
								Sample ID	1C-15-VC-3-4-200825	1C-15-VC-4-5-200825	1C-15-VC-5-6-200825	1C-15-VC-5-6-200825_RE
								Sample Date	8/25/2020	8/25/2020	8/25/2020	8/25/2020
								Depth	3 - 4 ft	4 - 5 ft	5 - 6 ft	5 - 6 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239711.5	1239711.5	1239711.5	1239711.5
								Y	640990.37	640990.37	640990.37	640990.37
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	**5.74**	--
Total Solids	SM2540G								**42.2**	**49.96**	**51.93**	--
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**1.52**	**0.466**	**0.948**	--
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	499 U	**106 J**
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	99.8 U	**47.4**
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	**802**	**1650**
Pentachlorophenol	SW8270E	360	690	360	690				--	--	499 U	99.7 U
Phenol	SW8270E	420	1200	420	1200				--	--	**66.6 J**	**141**
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	**18.467**	--
Acenaphthene	SW8270E	16	57						--	--	**117.77**	--
Acenaphthylene	SW8270E	66	66						--	--	**35.889**	--
Anthracene	SW8270E	220	1200						--	--	**498.258**	--
Benzo(a)anthracene	SW8270E	110	270						--	--	**383.275**	--
Benzo(a)pyrene	SW8270E	99	210						--	--	**348.432**	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	**111.15**	--
Chrysene	SW8270E	110	460						--	--	**393.728**	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	**38.502**	--
Fluoranthene	SW8270E	160	1200						--	--	**789.199**	--
Fluorene	SW8270E	23	79						--	--	**160.279**	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	**110.105**	--
Naphthalene	SW8270E	99	170						--	--	**27.003**	--
Phenanthrene	SW8270E	100	480						--	--	**1374.564**	--
Pyrene	SW8270E	1000	1400						--	--	**1059.233**	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	**397.213**	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	**3630.836**	--
Total LPAH (SMS) (U = 0)		370	780						--	--	**2213.763**	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	**1060**	**1820**
Acenaphthene	SW8270E			500	500				--	--	**6760**	**5340**
Acenaphthylene	SW8270E			1300	1300				--	--	**2060**	**1520**
Anthracene	SW8270E			960	960				--	--	**28600**	**4320**
Benzo(a)anthracene	SW8270E			1300	1600				--	--	**22000**	**4860**
Benzo(a)pyrene	SW8270E			1600	1600				--	--	**20000**	**4140**
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	**6380**	**1450**
Chrysene	SW8270E			1400	2800				--	--	**22600**	**5430**
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	**2210**	**542**
Fluoranthene	SW8270E			1700	2500				--	--	**45300**	**15900**
Fluorene	SW8270E			540	540				--	--	**9200**	**5840**
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	**6320**	**1450**
Naphthalene	SW8270E			2100	2100				--	--	**1550**	**4310**
Phenanthrene	SW8270E			1500	1500				--	--	**78900**	**21900**
Pyrene	SW8270E			2600	3300				--	--	**60800**	**13900**
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	**22800**	**6010**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	**25559**	**5481**
Total HPAH (SMS) (U = 0)				12000	17000				--	--	**208410**	**53682**
Total LPAH (SMS) (U = 0)				5200	5200				--	--	**127070**	**43230**

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-15-VC	1C-15-VC	1C-15-VC	1C-15-VC
								Sample ID	1C-15-VC-3-4-200825	1C-15-VC-4-5-200825	1C-15-VC-5-6-200825	1C-15-VC-5-6-200825_RE
								Sample Date	8/25/2020	8/25/2020	8/25/2020	8/25/2020
								Depth	3 - 4 ft	4 - 5 ft	5 - 6 ft	5 - 6 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239711.5	1239711.5	1239711.5	1239711.5
								Y	640990.37	640990.37	640990.37	640990.37
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								--	--	**0.736 J**	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								--	--	**1.58**	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**0.988 J**	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**1.18 J**	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**1.16 J**	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								--	--	**15.6**	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								--	--	**141**	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								--	--	**125**	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								--	--	**60.9**	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**53.3 J**	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								--	--	**26.2**	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								--	--	**4.68**	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	**2.08 J**	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	**1.6**	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**0.683 J**	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**0.576 J**	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**0.211 J**	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**0.457 J**	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	**2.17 J**	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	**0.311 J**	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								--	--	**6.07**	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B								--	--	**72.9**	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	**11.1**	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**4.3 J**	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	**6.08 J**	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		--	--	**4.08 J**	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-16-VC	1C-16-VC	1C-16-VC	1C-16-VC
								Sample ID	1C-16-VC-0-1-200825	1C-16-VC-1-2-200825	1C-16-VC-2-3-200825	1C-16-VC-3-4-200825
								Sample Date	8/25/2020	8/25/2020	8/25/2020	8/25/2020
								Depth	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239732.41	1239732.41	1239732.41	1239732.41
								Y	640968.45	640968.45	640968.45	640968.45
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	--	--
Total Solids	SM2540G								**69.49**	**69.25**	**68.4**	**71.64**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.273**	**0.28**	**0.327**	**0.65**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1C-16-VC	1C-16-VC	1C-16-VC	1C-16-VC
							Sample ID	1C-16-VC-0-1-200825	1C-16-VC-1-2-200825	1C-16-VC-2-3-200825	1C-16-VC-3-4-200825
							Sample Date	8/25/2020	8/25/2020	8/25/2020	8/25/2020
							Depth	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1239732.41	1239732.41	1239732.41	1239732.41
							Y	640968.45	640968.45	640968.45	640968.45
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-16-VC	1C-16-VC	1C-17-VC	1C-17-VC
								Sample ID	1C-16-VC-4-5-200825	1C-16-VC-5-5.8-200825	1C-117-VC-2-3-200825	1C-17-VC-0-1-200825
								Sample Date	8/25/2020	8/25/2020	8/25/2020	8/25/2020
								Depth	4 - 5 ft	5 - 5.8 ft	2 - 3 ft	0 - 1 ft
								Sample Type	N	N	FD	N
								Matrix	SE	SE	SE	SE
								X	1239732.41	1239732.41	1239868.94	1239868.94
								Y	640968.45	640968.45	641143.69	641143.69
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Conventional Parameters (pct)												
Total organic carbon	SW9060A							--	**2.9**	--	--	
Total Solids	SM2540G							**63.29**	**60.11**	**43.61**	**45.82**	
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59			**12.6**	**4.12**	**0.359**	**0.889**	
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	99.7 U	--	--	
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	19.9 U	--	--	
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	**152**	--	--	
Pentachlorophenol	SW8270E	360	690	360	690			--	**125**	--	--	
Phenol	SW8270E	420	1200	420	1200			--	**28.3**	--	--	
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64					--	**2.5241**	--	--	
Acenaphthene	SW8270E	16	57					--	**14.793**	--	--	
Acenaphthylene	SW8270E	66	66					--	**1.0345**	--	--	
Anthracene	SW8270E	220	1200					--	**25.207**	--	--	
Benzo(a)anthracene	SW8270E	110	270					--	**75.862**	--	--	
Benzo(a)pyrene	SW8270E	99	210					--	**29.138 J**	--	--	
Benzo(g,h,i)perylene	SW8270E	31	78					--	**27.138 J**	--	--	
Chrysene	SW8270E	110	460					--	**90.345**	--	--	
Dibenzo(a,h)anthracene	SW8270E	12	33					--	**5.655 J**	--	--	
Fluoranthene	SW8270E	160	1200					--	**197.241**	--	--	
Fluorene	SW8270E	23	79					--	**12.069**	--	--	
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	**11.828 J**	--	--	
Naphthalene	SW8270E	99	170					--	**5.517**	--	--	
Phenanthrene	SW8270E	100	480					--	**47.931**	--	--	
Pyrene	SW8270E	1000	1400					--	**186.207**	--	--	
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	**73.103 J**	--	--	
Total HPAH (SMS) (U = 0)		960	5300					--	**696.517 J**	--	--	
Total LPAH (SMS) (U = 0)		370	780					--	**106.5517**	--	--	
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670			--	**73.2**	--	--	
Acenaphthene	SW8270E			500	500			--	**429**	--	--	
Acenaphthylene	SW8270E			1300	1300			--	**30**	--	--	
Anthracene	SW8270E			960	960			--	**731**	--	--	
Benzo(a)anthracene	SW8270E			1300	1600			--	**2200**	--	--	
Benzo(a)pyrene	SW8270E			1600	1600			--	**845 J**	--	--	
Benzo(g,h,i)perylene	SW8270E			670	720			--	**787 J**	--	--	
Chrysene	SW8270E			1400	2800			--	**2620**	--	--	
Dibenzo(a,h)anthracene	SW8270E			230	230			--	**164 J**	--	--	
Fluoranthene	SW8270E			1700	2500			--	**5720**	--	--	
Fluorene	SW8270E			540	540			--	**350**	--	--	
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	**343 J**	--	--	
Naphthalene	SW8270E			2100	2100			--	**160**	--	--	
Phenanthrene	SW8270E			1500	1500			--	**1390**	--	--	
Pyrene	SW8270E			2600	3300			--	**5400**	--	--	
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	**2120 J**	--	--	
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	**1354 J**	--	--	
Total HPAH (SMS) (U = 0)				12000	17000			--	**20199 J**	--	--	
Total LPAH (SMS) (U = 0)				5200	5200			--	**3090**	--	--	

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1C-16-VC	1C-16-VC	1C-17-VC	1C-17-VC
							Sample ID	1C-16-VC-4-5-200825	1C-16-VC-5-5.8-200825	1C-117-VC-2-3-200825	1C-17-VC-0-1-200825
							Sample Date	8/25/2020	8/25/2020	8/25/2020	8/25/2020
							Depth	4 - 5 ft	5 - 5.8 ft	2 - 3 ft	0 - 1 ft
							Sample Type	N	N	FD	N
							Matrix	SE	SE	SE	SE
							X	1239732.41	1239732.41	1239868.94	1239868.94
							Y	640968.45	640968.45	641143.69	641143.69
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	**3.43**	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	**6.58**	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**12.6**	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**155 J**	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**38.4 J**	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	**7240**	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	**76000 J**	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	**60.9**	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	**70.8**	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**932 J**	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	**13600**	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	**88.2 J**	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	**14.4**	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	**13.5**	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**69 J**	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**17 J**	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**17.3 J**	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**12.5 J**	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	**699 J**	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	**42 J**	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	**2540**	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	**193**	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	**212**	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	**1120 J**	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	**2910 J**	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	**159 J**	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
Task								WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
Location ID								1C-17-VC	1C-17-VC	1C-17-VC	1C-17-VC
Sample ID								1C-17-VC-1-2-200825	1C-17-VC-2-3-200825	1C-17-VC-3-4-200825	1C-17-VC-4-5-200825
Sample Date								8/25/2020	8/25/2020	8/25/2020	8/25/2020
Depth								1 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft
Sample Type								N	N	N	N
Matrix								SE	SE	SE	SE
X								1239868.94	1239868.94	1239868.94	1239868.94
Y								641143.69	641143.69	641143.69	641143.69
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	--
Total Solids	SM2540G							41.55	42.38	42.45	46.94
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			0.487	0.379	0.63	0.631
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1C-17-VC	1C-17-VC	1C-17-VC	1C-17-VC
							Sample ID	1C-17-VC-1-2-200825	1C-17-VC-2-3-200825	1C-17-VC-3-4-200825	1C-17-VC-4-5-200825
							Sample Date	8/25/2020	8/25/2020	8/25/2020	8/25/2020
							Depth	1 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1239868.94	1239868.94	1239868.94	1239868.94
							Y	641143.69	641143.69	641143.69	641143.69
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-17-VC	1C-18-VC	1C-18-VC	1C-18-VC
								Sample ID	1C-17-VC-5-6-200825	1C-18-VC-0-1-200825	1C-18-VC-1-2-200825	1C-18-VC-2-3-200825
								Sample Date	8/25/2020	8/25/2020	8/25/2020	8/25/2020
								Depth	5 - 6 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239868.94	1239875.47	1239875.47	1239875.47
								Y	641143.69	641138.93	641138.93	641138.93
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								**8.99**	--	--	--
Total Solids	SM2540G								**45.3**	**54.2**	**52.23**	**44.03**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.704**	**16.6**	**63.6**	**32.1**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				99.7 U	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				19.9 U	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				**460**	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				99.7 U	--	--	--
Phenol	SW8270E	420	1200	420	1200				**40.8**	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						**1.402**	--	--	--
Acenaphthene	SW8270E	16	57						**2.102**	--	--	--
Acenaphthylene	SW8270E	66	66						**0.8142**	--	--	--
Anthracene	SW8270E	220	1200						**3.192**	--	--	--
Benzo(a)anthracene	SW8270E	110	270						**3.66**	--	--	--
Benzo(a)pyrene	SW8270E	99	210						**2.925**	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						**2.113**	--	--	--
Chrysene	SW8270E	110	460						**7.909**	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						**0.5918**	--	--	--
Fluoranthene	SW8270E	160	1200						**12.347**	--	--	--
Fluorene	SW8270E	23	79						**3.259**	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						**1.646**	--	--	--
Naphthalene	SW8270E	99	170						**7.586**	--	--	--
Phenanthrene	SW8270E	100	480						**11.457**	--	--	--
Pyrene	SW8270E	1000	1400						**10.879**	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						**5.35**	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						**47.4216**	--	--	--
Total LPAH (SMS) (U = 0)		370	780						**28.4116**	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				**126**	--	--	--
Acenaphthene	SW8270E			500	500				**189**	--	--	--
Acenaphthylene	SW8270E			1300	1300				**73.2**	--	--	--
Anthracene	SW8270E			960	960				**287**	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				**329**	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				**263**	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				**190**	--	--	--
Chrysene	SW8270E			1400	2800				**711**	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				**53.2**	--	--	--
Fluoranthene	SW8270E			1700	2500				**1110**	--	--	--
Fluorene	SW8270E			540	540				**293**	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				**148**	--	--	--
Naphthalene	SW8270E			2100	2100				**682**	--	--	--
Phenanthrene	SW8270E			1500	1500				**1030**	--	--	--
Pyrene	SW8270E			2600	3300				**978**	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				**481**	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		**371.23**	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				**4263.2**	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				**2554.2**	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-17-VC	1C-18-VC	1C-18-VC	1C-18-VC
								Sample ID	1C-17-VC-5-6-200825	1C-18-VC-0-1-200825	1C-18-VC-1-2-200825	1C-18-VC-2-3-200825
								Sample Date	8/25/2020	8/25/2020	8/25/2020	8/25/2020
								Depth	5 - 6 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239868.94	1239875.47	1239875.47	1239875.47
								Y	641143.69	641138.93	641138.93	641138.93
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**0.859 J**	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**2.9**	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**2.84**	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**5.96 J**	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**4.35 J**	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**89.6**	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								**383**	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**120**	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**88.6**	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**242 J**	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**176**	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								**5.68 J**	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**3.02 J**	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**3.06 J**	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**2.01 J**	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**2.03 J**	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								**0.708 J**	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**2.69 J**	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								**18.3 J**	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								**0.808 J**	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								**30.2**	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B								**69.7**	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B								**31.2**	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B								**37.9 J**	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B								**51.7 J**	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		**8.61 J**	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-18-VC	1C-18-VC	1C-18-VC	1C-19-VC
								Sample ID	1C-18-VC-3-4-200825	1C-18-VC-4-5-200825	1C-18-VC-5-6-200825	1C-119-VC-4-5.4-200827
								Sample Date	8/25/2020	8/25/2020	8/25/2020	8/27/2020
								Depth	3 - 4 ft	4 - 5 ft	5 - 6 ft	4 - 5.4 ft
								Sample Type	N	N	N	FD
								Matrix	SE	SE	SE	SE
								X	1239875.47	1239875.47	1239875.47	1240006.37
								Y	641138.93	641138.93	641138.93	641269.95
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	**7.96**	--
Total Solids	SM2540G								**40.46**	**44.39**	**46.72**	**75.87**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**3.57**	**1.48**	**0.697**	**0.129**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	99.7 U	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	**312**	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	**301**	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	99.7 U	--
Phenol	SW8270E	420	1200	420	1200				--	--	**31.9**	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	**2.111**	--
Acenaphthene	SW8270E	16	57						--	--	**7.148**	--
Acenaphthylene	SW8270E	66	66						--	--	**0.8241**	--
Anthracene	SW8270E	220	1200						--	--	**11.847**	--
Benzo(a)anthracene	SW8270E	110	270						--	--	**21.106**	--
Benzo(a)pyrene	SW8270E	99	210						--	--	**10.905**	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	**5.289**	--
Chrysene	SW8270E	110	460						--	--	**30.402**	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	**2.312**	--
Fluoranthene	SW8270E	160	1200						--	--	**57.538**	--
Fluorene	SW8270E	23	79						--	--	**5.565**	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	**5.101**	--
Naphthalene	SW8270E	99	170						--	--	**7.312**	--
Phenanthrene	SW8270E	100	480						--	--	**14.573**	--
Pyrene	SW8270E	1000	1400						--	--	**54.271**	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	**24.497**	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	**211.42**	--
Total LPAH (SMS) (U = 0)		370	780						--	--	**47.2688**	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	**168**	--
Acenaphthene	SW8270E			500	500				--	--	**569**	--
Acenaphthylene	SW8270E			1300	1300				--	--	**65.6**	--
Anthracene	SW8270E			960	960				--	--	**943**	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	**1680**	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	**868**	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	**421**	--
Chrysene	SW8270E			1400	2800				--	--	**2420**	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	**184**	--
Fluoranthene	SW8270E			1700	2500				--	--	**4580**	--
Fluorene	SW8270E			540	540				--	--	**443**	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	**406**	--
Naphthalene	SW8270E			2100	2100				--	--	**582**	--
Phenanthrene	SW8270E			1500	1500				--	--	**1160**	--
Pyrene	SW8270E			2600	3300				--	--	**4320**	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	**1950**	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	**1314.2**	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	**16829**	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	**3762.6**	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-18-VC	1C-18-VC	1C-18-VC	1C-19-VC
								Sample ID	1C-18-VC-3-4-200825	1C-18-VC-4-5-200825	1C-18-VC-5-6-200825	1C-119-VC-4-5.4-200827
								Sample Date	8/25/2020	8/25/2020	8/25/2020	8/27/2020
								Depth	3 - 4 ft	4 - 5 ft	5 - 6 ft	4 - 5.4 ft
								Sample Type	N	N	N	FD
								Matrix	SE	SE	SE	SE
								X	1239875.47	1239875.47	1239875.47	1240006.37
								Y	641138.93	641138.93	641138.93	641269.95
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	**3.21**	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	**14.8**	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**15.8**	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**152 J**	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**44.7 J**	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	**4390**	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	**35300**	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	**102**	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	**128**	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**945 J**	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	**8890**	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	**11.6 J**	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	**4.38 J**	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	**5.52**	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**37.2 J**	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**14.2 J**	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**5.38 J**	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**13.8 J**	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	**2130**	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	**67.2 J**	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	**6310**	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	**166**	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	**292**	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**1920 J**	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	**7230 J**	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	**128 J**	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-19-VC	1C-19-VC	1C-19-VC	1C-19-VC
								Sample ID	1C-19-VC-0-1-200827	1C-19-VC-1-2-200827	1C-19-VC-2-3-200827	1C-19-VC-3-4-200827
								Sample Date	8/27/2020	8/27/2020	8/27/2020	8/27/2020
								Depth	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240006.37	1240006.37	1240006.37	1240006.37
								Y	641269.95	641269.95	641269.95	641269.95
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								**2.58**	--	--	--
Total Solids	SM2540G								**53.94**	**83.57**	**60.23**	**71.14**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.308**	**0.0414**	**0.274**	**0.213**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				99.9 U	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				20 U	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				**443**	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				99.9 U	--	--	--
Phenol	SW8270E	420	1200	420	1200				**53.5**	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						**3.4147**	--	--	--
Acenaphthene	SW8270E	16	57						**2.9457**	--	--	--
Acenaphthylene	SW8270E	66	66						**3.345**	--	--	--
Anthracene	SW8270E	220	1200						**3.953**	--	--	--
Benzo(a)anthracene	SW8270E	110	270						**2.8876 J**	--	--	--
Benzo(a)pyrene	SW8270E	99	210						**2.9961 J**	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						**3.5155 J**	--	--	--
Chrysene	SW8270E	110	460						**4.419 J**	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						**0.4186 J**	--	--	--
Fluoranthene	SW8270E	160	1200						**25.504 J**	--	--	--
Fluorene	SW8270E	23	79						**4.031**	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						**1.8178 J**	--	--	--
Naphthalene	SW8270E	99	170						**24.729**	--	--	--
Phenanthrene	SW8270E	100	480						**19.767**	--	--	--
Pyrene	SW8270E	1000	1400						**26.938 J**	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						**5.039 J**	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						**73.5349 J**	--	--	--
Total LPAH (SMS) (U = 0)		370	780						**58.7713**	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				**88.1**	--	--	--
Acenaphthene	SW8270E			500	500				**76**	--	--	--
Acenaphthylene	SW8270E			1300	1300				**86.3**	--	--	--
Anthracene	SW8270E			960	960				**102**	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				**74.5 J**	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				**77.3 J**	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				**90.7 J**	--	--	--
Chrysene	SW8270E			1400	2800				**114 J**	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				**10.8 J**	--	--	--
Fluoranthene	SW8270E			1700	2500				**658 J**	--	--	--
Fluorene	SW8270E			540	540				**104**	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				**46.9 J**	--	--	--
Naphthalene	SW8270E			2100	2100				**638**	--	--	--
Phenanthrene	SW8270E			1500	1500				**510**	--	--	--
Pyrene	SW8270E			2600	3300				**695 J**	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				**130 J**	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		**104.66 J**	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				**1897.2 J**	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				**1516.3**	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-19-VC	1C-19-VC	1C-19-VC	1C-19-VC
								Sample ID	1C-19-VC-0-1-200827	1C-19-VC-1-2-200827	1C-19-VC-2-3-200827	1C-19-VC-3-4-200827
								Sample Date	8/27/2020	8/27/2020	8/27/2020	8/27/2020
								Depth	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240006.37	1240006.37	1240006.37	1240006.37
								Y	641269.95	641269.95	641269.95	641269.95
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**0.518 J**	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**1.26 J**	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**0.406 J**	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**1.44 J**	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**0.999 J**	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**30.5**	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								**214**	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**43.3**	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**15**	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**23.3 J**	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**64.2**	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								**4.03 J**	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**1.34 J**	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**1.57 J**	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**0.936 J**	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**0.74 J**	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								**0.399 J**	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**1.14 J**	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								**6.56 J**	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								0.368 UJ	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								**11.2**	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B								**48.5**	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B								**19.2**	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B								**14.7 J**	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B								**17.9 J**	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		**3.74 J**	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background	WWP2_PRDI 1C-19-VC 1C-19-VC-4-5.4-200827 8/27/2020 4 - 5.4 ft N SE 1240006.37 641269.95	WWP2_PRDI 1C-20-VC 1C-20-VC-0-1-200827 8/27/2020 0 - 1 ft N SE 1240012.27 641262.25	WWP2_PRDI 1C-20-VC 1C-20-VC-1-2-200827 8/27/2020 1 - 2 ft N SE 1240012.27 641262.25	WWP2_PRDI 1C-20-VC 1C-20-VC-2-3-200827 8/27/2020 2 - 3 ft N SE 1240012.27 641262.25
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	--
Total Solids	SM2540G							**74.25**	**41.33**	**42.39**	**38.66**
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			**0.128**	**0.899**	**0.697**	**0.507**
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1C-19-VC	1C-20-VC	1C-20-VC	1C-20-VC
							Sample ID	1C-19-VC-4-5.4-200827	1C-20-VC-0-1-200827	1C-20-VC-1-2-200827	1C-20-VC-2-3-200827
							Sample Date	8/27/2020	8/27/2020	8/27/2020	8/27/2020
							Depth	4 - 5.4 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1240006.37	1240012.27	1240012.27	1240012.27
							Y	641269.95	641262.25	641262.25	641262.25
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background	WWP2_PRDI 1C-20-VC 1C-20-VC-3-4-200827 8/27/2020 3 - 4 ft N SE 1240012.27 641262.25	WWP2_PRDI 1C-20-VC 1C-20-VC-4-5.4-200827 8/27/2020 4 - 5.4 ft N SE 1240012.27 641262.25	WWP2_PRDI 1C-21-VC 1C-21-VC-0-1-200828 8/28/2020 0 - 1 ft N SE 1240139.61 641396.93	WWP2_PRDI 1C-21-VC 1C-21-VC-1-2-200828 8/28/2020 1 - 2 ft N SE 1240139.61 641396.93
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	**0.92**	--	--
Total Solids	SM2540G							**44.94**	**80.41**	**50.14**	**43.87**
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			**0.46**	**0.0982**	**0.758**	**0.564**
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	99.5 U	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	19.9 U	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	**115**	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	99.5 U	--	--
Phenol	SW8270E	420	1200	420	1200			--	**13.3 J**	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	**8.3696**	--	--
Acenaphthene	SW8270E	16	57					--	**14.457**	--	--
Acenaphthylene	SW8270E	66	66					--	**4.1848**	--	--
Anthracene	SW8270E	220	1200					--	**12.935**	--	--
Benzo(a)anthracene	SW8270E	110	270					--	**11.196**	--	--
Benzo(a)pyrene	SW8270E	99	210					--	**7.7174 J**	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	**6.7609 J**	--	--
Chrysene	SW8270E	110	460					--	**14.457**	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	2.163 UJ	--	--
Fluoranthene	SW8270E	160	1200					--	**79.891**	--	--
Fluorene	SW8270E	23	79					--	**14.674**	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	**4.1739 J**	--	--
Naphthalene	SW8270E	99	170					--	**46.522**	--	--
Phenanthrene	SW8270E	100	480					--	**49.565**	--	--
Pyrene	SW8270E	1000	1400					--	**73.696**	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	**14.891 J**	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	**212.7826 J**	--	--
Total LPAH (SMS) (U = 0)		370	780					--	**142.337**	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	**77**	--	--
Acenaphthene	SW8270E			500	500			--	**133**	--	--
Acenaphthylene	SW8270E			1300	1300			--	**38.5**	--	--
Anthracene	SW8270E			960	960			--	**119**	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	**103**	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	**71 J**	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	**62.2 J**	--	--
Chrysene	SW8270E			1400	2800			--	**133**	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	19.9 UJ	--	--
Fluoranthene	SW8270E			1700	2500			--	**735**	--	--
Fluorene	SW8270E			540	540			--	**135**	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	**38.4 J**	--	--
Naphthalene	SW8270E			2100	2100			--	**428**	--	--
Phenanthrene	SW8270E			1500	1500			--	**456**	--	--
Pyrene	SW8270E			2600	3300			--	**678**	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	**137 J**	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	**100.17 J**	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	**1957.6 J**	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	**1309.5**	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-20-VC	1C-20-VC	1C-21-VC	1C-21-VC
								Sample ID	1C-20-VC-3-4-200827	1C-20-VC-4-5.4-200827	1C-21-VC-0-1-200828	1C-21-VC-1-2-200828
								Sample Date	8/27/2020	8/27/2020	8/28/2020	8/28/2020
								Depth	3 - 4 ft	4 - 5.4 ft	0 - 1 ft	1 - 2 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240012.27	1240012.27	1240139.61	1240139.61
								Y	641262.25	641262.25	641396.93	641396.93
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	**0.438 J**	--	--	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	**1.53**	--	--	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**0.954 J**	--	--	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**5.43 J**	--	--	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**2.13 J**	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	**119**	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	**851**	--	--	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	**57.8**	--	--	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	**31.8**	--	--	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**59.5 J**	--	--	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	**260**	--	--	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	**3.8 J**	--	--	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	**1.17 J**	--	--	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	**1.63**	--	--	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**1.65 J**	--	--	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**2.03 J**	--	--	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**0.709 J**	--	--	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**4.09 J**	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	**69.6 J**	--	--	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	**2.11 J**	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	**105**	--	--	
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	**47.3**	--	--	
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	**72.6**	--	--	
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	**86.3 J**	--	--	
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	**199 J**	--	--	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	**6.77 J**	--	--	

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	1C-21-VC	1C-21-VC	1C-21-VC	1C-22-VC
							Sample ID	1C-21-VC-2-3-200828	1C-21-VC-3-4-200828	1C-21-VC-4-5.2-200828	1C-22-VC-0-1-200828
							Sample Date	8/28/2020	8/28/2020	8/28/2020	8/28/2020
							Depth	2 - 3 ft	3 - 4 ft	4 - 5.2 ft	0 - 1 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1240139.61	1240139.61	1240139.61	1240146.47
							Y	641396.93	641396.93	641396.93	641388.93
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**				
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	**6.02**	--
Total Solids	SM2540G							**41.65**	**39.22**	**44.12**	**38.8**
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			**0.65**	**0.679**	**0.572**	**1.67**
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	**31.2 J**	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	**19.4 J**	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	**697**	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	100 U	--
Phenol	SW8270E	420	1200	420	1200			--	--	**41.9**	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	**2.708**	--
Acenaphthene	SW8270E	16	57					--	--	**2.076**	--
Acenaphthylene	SW8270E	66	66					--	--	**3.488**	--
Anthracene	SW8270E	220	1200					--	--	**5.033**	--
Benzo(a)anthracene	SW8270E	110	270					--	--	**13.439**	--
Benzo(a)pyrene	SW8270E	99	210					--	--	**11.694**	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	**6.728**	--
Chrysene	SW8270E	110	460					--	--	**16.395**	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	**1.728**	--
Fluoranthene	SW8270E	160	1200					--	--	**40.365**	--
Fluorene	SW8270E	23	79					--	--	**2.841**	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	**6.13**	--
Naphthalene	SW8270E	99	170					--	--	**17.442**	--
Phenanthrene	SW8270E	100	480					--	--	**20.432**	--
Pyrene	SW8270E	1000	1400					--	--	**37.209**	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	**19.103**	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	**152.791**	--
Total LPAH (SMS) (U = 0)		370	780					--	--	**51.312**	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	**163**	--
Acenaphthene	SW8270E			500	500			--	--	**125**	--
Acenaphthylene	SW8270E			1300	1300			--	--	**210**	--
Anthracene	SW8270E			960	960			--	--	**303**	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	**809**	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	**704**	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	**405**	--
Chrysene	SW8270E			1400	2800			--	--	**987**	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	**104**	--
Fluoranthene	SW8270E			1700	2500			--	--	**2430**	--
Fluorene	SW8270E			540	540			--	--	**171**	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	**369**	--
Naphthalene	SW8270E			2100	2100			--	--	**1050**	--
Phenanthrene	SW8270E			1500	1500			--	--	**1230**	--
Pyrene	SW8270E			2600	3300			--	--	**2240**	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	**1150**	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	**957.07**	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	**9198**	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	**3089**	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-21-VC	1C-21-VC	1C-21-VC	1C-22-VC
								Sample ID	1C-21-VC-2-3-200828	1C-21-VC-3-4-200828	1C-21-VC-4-5.2-200828	1C-22-VC-0-1-200828
								Sample Date	8/28/2020	8/28/2020	8/28/2020	8/28/2020
								Depth	2 - 3 ft	3 - 4 ft	4 - 5.2 ft	0 - 1 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240139.61	1240139.61	1240139.61	1240146.47
								Y	641396.93	641396.93	641396.93	641388.93
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	**1.04 J**	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	**3.75**	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**2.68**	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**2.87**	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**2.89**	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	**14.8**	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	**34.9**	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	**150**	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	**107**	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**128**	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	**14.8**	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	**6.76 J**	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	**2.83 J**	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	**2.52 J**	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**1.58**	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**1.78 J**	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**1.04 J**	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	0.666 U	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	**4.38**	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	1.08 U	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	**2.83 J**	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	**90.9**	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	**26**	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**1.58**	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	**4.38**	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	**7.79 J**	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-22-VC	1C-22-VC	1C-22-VC	2B-02-VC
								Sample ID	1C-22-VC-1-2-200828	1C-22-VC-2-3-200828	1C-22-VC-3-4.6-200828	2B-02-VC-0-1-200903
								Sample Date	8/28/2020	8/28/2020	8/28/2020	9/3/2020
								Depth	1 - 2 ft	2 - 3 ft	3 - 4.6 ft	0 - 1 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240146.47	1240146.47	1240146.47	1240030.89
								Y	641388.93	641388.93	641388.93	641974.82
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	**3.55**	**0.18**
Total Solids	SM2540G								**49.47**	**46.14**	**60.83**	**82.55**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.896**	**0.825**	**0.351**	**0.0815**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	**55.1 J**	99.4 U
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	20 U	19.9 U
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	**9700**	19.9 U
Pentachlorophenol	SW8270E	360	690	360	690				--	--	**54.4 J**	99.4 U
Phenol	SW8270E	420	1200	420	1200				--	--	**180**	19.9 U
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	**25.239**	11.0556 U
Acenaphthene	SW8270E	16	57						--	--	**35.211**	11.0556 U
Acenaphthylene	SW8270E	66	66						--	--	**3.972**	11.0556 U
Anthracene	SW8270E	220	1200						--	--	**23.775**	11.0556 U
Benzo(a)anthracene	SW8270E	110	270						--	--	**13.014**	**2.9444 J**
Benzo(a)pyrene	SW8270E	99	210						--	--	**5.606**	11.0556 U
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	**2.5803**	**4.1667 J**
Chrysene	SW8270E	110	460						--	--	**17.718**	**3.3889 J**
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	**0.9296**	11.0556 U
Fluoranthene	SW8270E	160	1200						--	--	**93.521**	**4.8333 J**
Fluorene	SW8270E	23	79						--	--	**52.958 J**	11.0556 U
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	**2.2958**	11.0556 U
Naphthalene	SW8270E	99	170						--	--	**85.915**	11.0556 U
Phenanthrene	SW8270E	100	480						--	--	**90.704**	**2.7222 J**
Pyrene	SW8270E	1000	1400						--	--	**52.676**	**9.6111 J**
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	**11.915**	**7.3889 J**
Total HPAH (SMS) (U = 0)		960	5300						--	--	**200.2563**	**32.3333 J**
Total LPAH (SMS) (U = 0)		370	780						--	--	**292.535 J**	**2.7222 J**
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	**896**	19.9 U
Acenaphthene	SW8270E			500	500				--	--	**1250**	19.9 U
Acenaphthylene	SW8270E			1300	1300				--	--	**141**	19.9 U
Anthracene	SW8270E			960	960				--	--	**844**	19.9 U
Benzo(a)anthracene	SW8270E			1300	1600				--	--	**462**	**5.3 J**
Benzo(a)pyrene	SW8270E			1600	1600				--	--	**199**	19.9 U
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	**91.6**	**7.5 J**
Chrysene	SW8270E			1400	2800				--	--	**629**	**6.1 J**
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	**33**	19.9 U
Fluoranthene	SW8270E			1700	2500				--	--	**3320**	**8.7 J**
Fluorene	SW8270E			540	540				--	--	**1880 J**	19.9 U
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	**81.5**	19.9 U
Naphthalene	SW8270E			2100	2100				--	--	**3050**	19.9 U
Phenanthrene	SW8270E			1500	1500				--	--	**3220**	**4.9 J**
Pyrene	SW8270E			2600	3300				--	--	**1870**	**17.3 J**
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	**423**	**13.3 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	**305.24**	**1.921 J**
Total HPAH (SMS) (U = 0)				12000	17000				--	--	**7109.1**	**58.2 J**
Total LPAH (SMS) (U = 0)				5200	5200				--	--	**10385 J**	**4.9 J**

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	1C-22-VC	1C-22-VC	1C-22-VC	2B-02-VC
								Sample ID	1C-22-VC-1-2-200828	1C-22-VC-2-3-200828	1C-22-VC-3-4.6-200828	2B-02-VC-0-1-200903
								Sample Date	8/28/2020	8/28/2020	8/28/2020	9/3/2020
								Depth	1 - 2 ft	2 - 3 ft	3 - 4.6 ft	0 - 1 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240146.47	1240146.47	1240146.47	1240030.89
								Y	641388.93	641388.93	641388.93	641974.82
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								--	--	**1.47**	0.124 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								--	--	**6.3**	0.168 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**5.79**	**0.61 J**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**60.1**	**1.74**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**14.9**	**0.951 J**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								--	--	**1530**	**42.1**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								--	--	**12500 J**	**305**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								--	--	**45.5**	**15.4**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								--	--	**77.9**	**11.3**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	**380**	**30.9**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								--	--	**3390**	**108**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								--	--	**27 J**	**0.574 J**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	**1.8 J**	0.153 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	**2.53 J**	0.145 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**16.9 J**	**0.466 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**7.02**	0.106 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**3.23 J**	0.146 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**6.33**	**0.319 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	**848**	**5.11 J**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	**31**	**0.234 J**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								--	--	**2430**	**11.5**
Total Tetrachlorodibenzofuran (TCDF)	E1613B								--	--	**164**	**1.25**
Total Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	**175**	**0.861**
Total Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	**840**	**6.68**
Total Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	**2980**	**12.3**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		--	--	**51.3 J**	**1.04 J**

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2B-02-VC	2B-02-VC	2B-02-VC	2B-02-VC
								Sample ID	2B-02-VC-1-2-200903	2B-02-VC-2-3-200903	2B-02-VC-3-4-200903	2B-02-VC-4-5.5-200903
								Sample Date	9/3/2020	9/3/2020	9/3/2020	9/3/2020
								Depth	1 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5.5 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240030.89	1240030.89	1240030.89	1240030.89
								Y	641974.82	641974.82	641974.82	641974.82
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	--	--
Total Solids	SM2540G								**84.86**	**80.87**	**85.52**	**82.64**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.1**	**0.128**	**0.0211 J**	**0.0202 J**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2B-02-VC	2B-02-VC	2B-02-VC	2B-02-VC
								Sample ID	2B-02-VC-1-2-200903	2B-02-VC-2-3-200903	2B-02-VC-3-4-200903	2B-02-VC-4-5.5-200903
								Sample Date	9/3/2020	9/3/2020	9/3/2020	9/3/2020
								Depth	1 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5.5 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240030.89	1240030.89	1240030.89	1240030.89
								Y	641974.82	641974.82	641974.82	641974.82
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--	
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--	
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--	
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--	

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2B-03A-VC	2B-03A-VC	2B-03A-VC	2B-03A-VC
								Sample ID	2B-03A-VC-0-1-200904	2B-03A-VC-1-2-200904	2B-03A-VC-2-3-200904	2B-03A-VC-3-4-200904
								Sample Date	9/4/2020	9/4/2020	9/4/2020	9/4/2020
								Depth	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240070.88	1240070.88	1240070.88	1240070.88
								Y	641931.49	641931.49	641931.49	641931.49
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								**0.78**	**1.11**	**0.45**	--
Total Solids	SM2540G								**73.88**	**77.48**	**75.81**	**79.54**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.15 J**	**0.0402 J**	**0.0185 J**	**0.0231 J**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				99.8 UJ	99.5 U	99.8 UJ	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				20 U	19.9 U	20 U	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				**28.6**	**111**	20 U	--
Pentachlorophenol	SW8270E	360	690	360	690				99.8 U	99.5 U	99.8 U	--
Phenol	SW8270E	420	1200	420	1200				**71.6**	**103**	20 U	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						**0.9487 J**	**1.2072 J**	4.4444 U	--
Acenaphthene	SW8270E	16	57						2.5641 U	**0.7477 J**	4.4444 U	--
Acenaphthylene	SW8270E	66	66						2.5641 UJ	**0.6667 J**	4.4444 UJ	--
Anthracene	SW8270E	220	1200						**0.9744 J**	**1.7027 J**	4.4444 U	--
Benzo(a)anthracene	SW8270E	110	270						**2.2692 J**	**2.7027**	4.4444 U	--
Benzo(a)pyrene	SW8270E	99	210						**2.1538 J**	**2.6036**	4.4444 U	--
Benzo(g,h,i)perylene	SW8270E	31	78						**2 J**	**1.973 J**	4.4444 U	--
Chrysene	SW8270E	110	460						**3.6667**	**4.4685**	4.4444 U	--
Dibenzo(a,h)anthracene	SW8270E	12	33						2.5641 U	**0.6667 J**	4.4444 U	--
Fluoranthene	SW8270E	160	1200						**6.2949**	**6.036**	4.4444 U	--
Fluorene	SW8270E	23	79						**0.9103 J**	**0.973 J**	4.4444 U	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						**1.5 J**	**1.6486 J**	4.4444 U	--
Naphthalene	SW8270E	99	170						**2.7436**	**5.0811**	4.4444 U	--
Phenanthrene	SW8270E	100	480						**2.8077**	**4.1171**	4.4444 U	--
Pyrene	SW8270E	1000	1400						**18.205**	**19.459**	4.4444 U	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						**6.4872**	**6.3694**	8.8667 U	--
Total HPAH (SMS) (U = 0)		960	5300						**42.5769 J**	**45.9279 J**	8.8667 U	--
Total LPAH (SMS) (U = 0)		370	780						**7.4359 J**	**13.2883 J**	4.4444 UJ	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				**7.4 J**	**13.4 J**	20 U	--
Acenaphthene	SW8270E			500	500				20 U	**8.3 J**	20 U	--
Acenaphthylene	SW8270E			1300	1300				20 UJ	**7.4 J**	20 UJ	--
Anthracene	SW8270E			960	960				**7.6 J**	**18.9 J**	20 U	--
Benzo(a)anthracene	SW8270E			1300	1600				**17.7 J**	**30**	20 U	--
Benzo(a)pyrene	SW8270E			1600	1600				**16.8 J**	**28.9**	20 U	--
Benzo(g,h,i)perylene	SW8270E			670	720				**15.6 J**	**21.9 J**	20 U	--
Chrysene	SW8270E			1400	2800				**28.6**	**49.6**	20 U	--
Dibenzo(a,h)anthracene	SW8270E			230	230				20 U	**7.4 J**	20 U	--
Fluoranthene	SW8270E			1700	2500				**49.1**	**67**	20 U	--
Fluorene	SW8270E			540	540				**7.1 J**	**10.8 J**	20 U	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				**11.7 J**	**18.3 J**	20 U	--
Naphthalene	SW8270E			2100	2100				**21.4**	**56.4**	20 U	--
Phenanthrene	SW8270E			1500	1500				**21.9**	**45.7**	20 U	--
Pyrene	SW8270E			2600	3300				**142**	**216**	20 U	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				**50.6**	**70.7**	39.9 U	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		**25.086 J**	**42.036 J**	20 U	--
Total HPAH (SMS) (U = 0)				12000	17000				**332.1 J**	**509.8 J**	39.9 U	--
Total LPAH (SMS) (U = 0)				5200	5200				**58 J**	**147.5 J**	20 UJ	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2B-03A-VC	2B-03A-VC	2B-03A-VC	2B-03A-VC
								Sample ID	2B-03A-VC-0-1-200904	2B-03A-VC-1-2-200904	2B-03A-VC-2-3-200904	2B-03A-VC-3-4-200904
								Sample Date	9/4/2020	9/4/2020	9/4/2020	9/4/2020
								Depth	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240070.88	1240070.88	1240070.88	1240070.88
								Y	641931.49	641931.49	641931.49	641931.49
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**0.329 J**	**0.361 J**	0.143 U	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**1.11 J**	**0.926 J**	0.183 U	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**1.95 J**	**1.8**	0.152 U	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**6.11 J**	**5.66**	0.148 U	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**3.28 J**	**2.95**	0.17 U	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**143 J**	**152**	**1.09 J**	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								**1280 J**	**1180**	**9.83 J**	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**32.2 J**	**61.5**	**0.155**	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**49.3 J**	**37.3**	**0.141**	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**112 J**	**128**	**0.315**	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**302 J**	**335**	**2.5**	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								**4.98 J**	**3.42**	0.146 U	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**0.683 J**	**0.664 J**	0.111 U	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**0.704 J**	**0.634 J**	0.099 U	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**1.58 J**	**1.9 J**	0.099 U	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**0.808 J**	**0.739 J**	0.1 U	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								**0.837 J**	**0.728 J**	0.128 U	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**1.19 J**	**1.2 J**	0.097 U	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								**23.8 J**	**22.8 J**	**0.167 J**	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								**1.19 J**	**1.24 J**	0.112 U	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								**55.9 J**	**47.5**	**0.516 J**	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B								**18.8 J**	**3.9**	**0.223**	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B								**7.75 J**	**7.38**	0.998 U	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B								**34.9 J**	**27.7**	0.998 U	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B								**71.1 J**	**75**	0.998 U	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		**5.82 J**	**5.47 J**	**0.0157 J**	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2B-03A-VC	2B-03A-VC	2B-04-VC	2B-04-VC
								Sample ID	2B-03A-VC-4-5-200904	2B-03A-VC-5-6-200904	2B-04-VC-0-1-200904	2B-04-VC-1-2-200904
								Sample Date	9/4/2020	9/4/2020	9/4/2020	9/4/2020
								Depth	4 - 5 ft	5 - 6 ft	0 - 1 ft	1 - 2 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240070.88	1240070.88	1240125.06	1240125.06
								Y	641931.49	641931.49	642057.95	642057.95
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	**1.98**	**0.3**
Total Solids	SM2540G								**77.24**	**76.02**	**67.95**	**84.44**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.0222 J**	**0.0227 J**	**0.406**	**0.208**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	99.8 U	99.6 UJ
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	20 U	19.9 U
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	**216**	**30.1**
Pentachlorophenol	SW8270E	360	690	360	690				--	--	**45.5 J**	99.6 U
Phenol	SW8270E	420	1200	420	1200				--	--	**186**	19.9 U
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	**1.6465**	6.6333 U
Acenaphthene	SW8270E	16	57						--	--	**1.3687**	6.6333 U
Acenaphthylene	SW8270E	66	66						--	--	**5.303**	6.6333 UJ
Anthracene	SW8270E	220	1200						--	--	**7.626**	6.6333 U
Benzo(a)anthracene	SW8270E	110	270						--	--	**53.535**	**2.2667 J**
Benzo(a)pyrene	SW8270E	99	210						--	--	**30.101**	**2.4 J**
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	**13.838 J**	6.6333 U
Chrysene	SW8270E	110	460						--	--	**158.586**	**2.7 J**
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	**5.657**	6.6333 U
Fluoranthene	SW8270E	160	1200						--	--	**380.303**	**7.3333**
Fluorene	SW8270E	23	79						--	--	**1.8283**	6.6333 U
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	**17.576**	6.6333 U
Naphthalene	SW8270E	99	170						--	--	**6.515**	**3.5333 J**
Phenanthrene	SW8270E	100	480						--	--	**7.576**	**5.2 J**
Pyrene	SW8270E	1000	1400						--	--	**328.283**	**13.7**
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	**125.253**	**6 J**
Total HPAH (SMS) (U = 0)		960	5300						--	--	**1113.131 J**	**34.4 J**
Total LPAH (SMS) (U = 0)		370	780						--	--	**30.2172**	**8.7333 J**
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	**32.6**	19.9 U
Acenaphthene	SW8270E			500	500				--	--	**27.1**	19.9 U
Acenaphthylene	SW8270E			1300	1300				--	--	**105**	19.9 UJ
Anthracene	SW8270E			960	960				--	--	**151**	19.9 U
Benzo(a)anthracene	SW8270E			1300	1600				--	--	**1060**	**6.8 J**
Benzo(a)pyrene	SW8270E			1600	1600				--	--	**596**	**7.2 J**
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	**274 J**	19.9 U
Chrysene	SW8270E			1400	2800				--	--	**3140**	**8.1 J**
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	**112**	19.9 U
Fluoranthene	SW8270E			1700	2500				--	--	**7530**	**22**
Fluorene	SW8270E			540	540				--	--	**36.2**	19.9 U
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	**348**	19.9 U
Naphthalene	SW8270E			2100	2100				--	--	**129**	**10.6 J**
Phenanthrene	SW8270E			1500	1500				--	--	**150**	**15.6 J**
Pyrene	SW8270E			2600	3300				--	--	**6500**	**41.1**
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	**2480**	**18 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	**1027.4**	**9.761 J**
Total HPAH (SMS) (U = 0)				12000	17000				--	--	**22040 J**	**103.2 J**
Total LPAH (SMS) (U = 0)				5200	5200				--	--	**598.3**	**26.2 J**

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2B-03A-VC	2B-03A-VC	2B-04-VC	2B-04-VC
								Sample ID	2B-03A-VC-4-5-200904	2B-03A-VC-5-6-200904	2B-04-VC-0-1-200904	2B-04-VC-1-2-200904
								Sample Date	9/4/2020	9/4/2020	9/4/2020	9/4/2020
								Depth	4 - 5 ft	5 - 6 ft	0 - 1 ft	1 - 2 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240070.88	1240070.88	1240125.06	1240125.06
								Y	641931.49	641931.49	642057.95	642057.95
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	**0.556 J**	0.123 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	**1.72**	0.25 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**3.34**	**0.588 J**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**13.5**	**3.38**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**5.94**	**1.08 J**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	**377**	**89.5**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	**2950**	**937**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	**154**	**11.5**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	**113**	**6.91**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**306**	**28.6**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	**857**	**193**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	**6.83 J**	**5.74 J**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	**1.56 J**	**0.396 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	**1.39**	**0.38 J**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**3.83 J**	**1.29 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**1.7 J**	**0.412 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**1.17 J**	**0.49 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**2.3**	**0.61 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	**45.9 J**	**17.4 J**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	**2.27 J**	**0.715 J**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	**94.4**	**46.9**
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	**3.73**	**12**
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	**13.1**	**5.4**
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**59.4**	**21**
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	**155**	**38.5**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	**11.8 J**	**2.86 J**

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2B-04-VC	2B-04-VC	2B-04-VC	2B-04-VC
								Sample ID	2B-04-VC-2-3-200904	2B-04-VC-3-4-200904	2B-04-VC-4-5-200904	2B-04-VC-5-6-200904
								Sample Date	9/4/2020	9/4/2020	9/4/2020	9/4/2020
								Depth	2 - 3 ft	3 - 4 ft	4 - 5 ft	5 - 6 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240125.06	1240125.06	1240125.06	1240125.06
								Y	642057.95	642057.95	642057.95	642057.95
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	--	--
Total Solids	SM2540G								**84.17**	**86.8**	**77.07**	**80.04**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.05**	**0.0255 J**	**0.0267**	**0.0322**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	2B-04-VC	2B-04-VC	2B-04-VC	2B-04-VC
							Sample ID	2B-04-VC-2-3-200904	2B-04-VC-3-4-200904	2B-04-VC-4-5-200904	2B-04-VC-5-6-200904
							Sample Date	9/4/2020	9/4/2020	9/4/2020	9/4/2020
							Depth	2 - 3 ft	3 - 4 ft	4 - 5 ft	5 - 6 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1240125.06	1240125.06	1240125.06	1240125.06
							Y	642057.95	642057.95	642057.95	642057.95
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
Task								WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
Location ID								2B-05-VC	2B-05-VC	2B-05-VC	2B-05-VC
Sample ID								2B-05-VC-0-1-200831	2B-05-VC-1-2-200831	2B-05-VC-2-3-200831	2B-05-VC-3-4-200831
Sample Date								8/31/2020	8/31/2020	8/31/2020	8/31/2020
Depth								0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
Sample Type								N	N	N	N
Matrix								SE	SE	SE	SE
X								1240174.04	1240174.04	1240174.04	1240174.04
Y								642003.23	642003.23	642003.23	642003.23
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	--
Total Solids	SM2540G							47.7	45.07	46.54	44.65
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			0.594	0.874	2.01	1.14
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	2B-05-VC	2B-05-VC	2B-05-VC	2B-05-VC
							Sample ID	2B-05-VC-0-1-200831	2B-05-VC-1-2-200831	2B-05-VC-2-3-200831	2B-05-VC-3-4-200831
							Sample Date	8/31/2020	8/31/2020	8/31/2020	8/31/2020
							Depth	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1240174.04	1240174.04	1240174.04	1240174.04
							Y	642003.23	642003.23	642003.23	642003.23
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Task								WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
Location ID								2B-05-VC	2B-05-VC	2B-05-VC	2B-05-VC
Sample ID								2B-05-VC-4-5-200831	2B-05-VC-5-6-200831	2B-05-VC-6-7-200831	2B-05-VC-7-8-200831
Sample Date								8/31/2020	8/31/2020	8/31/2020	8/31/2020
Depth								4 - 5 ft	5 - 6 ft	6 - 7 ft	7 - 8 ft
Sample Type								N	N	N	N
Matrix								SE	SE	SE	SE
X								1240174.04	1240174.04	1240174.04	1240174.04
Y								642003.23	642003.23	642003.23	642003.23
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	--
Total Solids	SM2540G							42.71	47.65	54.51	55.4
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			0.978	0.558	0.37	0.426
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	2B-05-VC	2B-05-VC	2B-05-VC	2B-05-VC
							Sample ID	2B-05-VC-4-5-200831	2B-05-VC-5-6-200831	2B-05-VC-6-7-200831	2B-05-VC-7-8-200831
							Sample Date	8/31/2020	8/31/2020	8/31/2020	8/31/2020
							Depth	4 - 5 ft	5 - 6 ft	6 - 7 ft	7 - 8 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1240174.04	1240174.04	1240174.04	1240174.04
							Y	642003.23	642003.23	642003.23	642003.23
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2B-05-VC	2B-05-VC	2B-06-VC	2B-06-VC
								Sample ID	2B-05-VC-8-9-200831	2B-05-VC-9-10-200831	2B-06-VC-0-1-200828	2B-06-VC-1-2-200828
								Sample Date	8/31/2020	8/31/2020	8/28/2020	8/28/2020
								Depth	8 - 9 ft	9 - 10 ft	0 - 1 ft	1 - 2 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240174.04	1240174.04	1240211.66	1240211.66
								Y	642003.23	642003.23	642136.51	642136.51
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								**6.11**	--	--	--
Total Solids	SM2540G								**65.54**	**78.65**	**55.98**	**39.94**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.205**	**0.066 J**	**0.47**	**0.827**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				99.6 U	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				**29**	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				**189**	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				99.6 UJ	--	--	--
Phenol	SW8270E	420	1200	420	1200				**283**	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						**1.735**	--	--	--
Acenaphthene	SW8270E	16	57						**0.8052**	--	--	--
Acenaphthylene	SW8270E	66	66						**1.833**	--	--	--
Anthracene	SW8270E	220	1200						**1.817**	--	--	--
Benzo(a)anthracene	SW8270E	110	270						**0.8953**	--	--	--
Benzo(a)pyrene	SW8270E	99	210						**1.126**	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						**1.4943**	--	--	--
Chrysene	SW8270E	110	460						**1.2733**	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						**0.18 J**	--	--	--
Fluoranthene	SW8270E	160	1200						**8.576 J**	--	--	--
Fluorene	SW8270E	23	79						**1.5761**	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						**0.8674**	--	--	--
Naphthalene	SW8270E	99	170						**18.003**	--	--	--
Phenanthrene	SW8270E	100	480						**8.74**	--	--	--
Pyrene	SW8270E	1000	1400						**8.363 J**	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						**1.833**	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						**24.6088 J**	--	--	--
Total LPAH (SMS) (U = 0)		370	780						**32.7741**	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				**106**	--	--	--
Acenaphthene	SW8270E			500	500				**49.2**	--	--	--
Acenaphthylene	SW8270E			1300	1300				**112**	--	--	--
Anthracene	SW8270E			960	960				**111**	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				**54.7**	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				**68.8**	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				**91.3**	--	--	--
Chrysene	SW8270E			1400	2800				**77.8**	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				**11 J**	--	--	--
Fluoranthene	SW8270E			1700	2500				**524 J**	--	--	--
Fluorene	SW8270E			540	540				**96.3**	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				**53**	--	--	--
Naphthalene	SW8270E			2100	2100				**1100**	--	--	--
Phenanthrene	SW8270E			1500	1500				**534**	--	--	--
Pyrene	SW8270E			2600	3300				**511 J**	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				**112**	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		**92.648 J**	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				**1503.6 J**	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				**2002.5**	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2B-05-VC	2B-05-VC	2B-06-VC	2B-06-VC
								Sample ID	2B-05-VC-8-9-200831	2B-05-VC-9-10-200831	2B-06-VC-0-1-200828	2B-06-VC-1-2-200828
								Sample Date	8/31/2020	8/31/2020	8/28/2020	8/28/2020
								Depth	8 - 9 ft	9 - 10 ft	0 - 1 ft	1 - 2 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240174.04	1240174.04	1240211.66	1240211.66
								Y	642003.23	642003.23	642136.51	642136.51
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							0.083 U	--	--	--	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							**0.244 J**	--	--	--	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							0.094 U	--	--	--	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**0.252 J**	--	--	--	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**0.261 J**	--	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							**3.44**	--	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							**36.9**	--	--	--	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							**5.92**	--	--	--	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							**4.73**	--	--	--	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**6.2**	--	--	--	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							**6.42**	--	--	--	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							**0.915 J**	--	--	--	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							**0.358 J**	--	--	--	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							**0.339 J**	--	--	--	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							**0.255 J**	--	--	--	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							**0.176 J**	--	--	--	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							0.103 U	--	--	--	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							**0.259 J**	--	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							**0.893 J**	--	--	--	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							0.242 U	--	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							**2.56**	--	--	--	
Total Tetrachlorodibenzofuran (TCDF)	E1613B							**11.9**	--	--	--	
Total Pentachlorodibenzofuran (PeCDF)	E1613B							**1.72**	--	--	--	
Total Hexachlorodibenzofuran (HxCDF)	E1613B							**0.493**	--	--	--	
Total Heptachlorodibenzofuran (HpCDF)	E1613B							**0.893**	--	--	--	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	**0.623 J**	--	--	--	

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2B-06-VC	2B-06-VC	2B-06-VC	2B-06-VC
								Sample ID	2B-06-VC-2-3-200828	2B-06-VC-3-4-200828	2B-06-VC-4-5-200828	2B-06-VC-5-6-200828
								Sample Date	8/28/2020	8/28/2020	8/28/2020	8/28/2020
								Depth	2 - 3 ft	3 - 4 ft	4 - 5 ft	5 - 6 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240211.66	1240211.66	1240211.66	1240211.66
								Y	642136.51	642136.51	642136.51	642136.51
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	--	--
Total Solids	SM2540G								**33.01**	**61.76**	**80.75**	**70.59**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**1.7**	**1.07**	**0.292 J**	**0.386 J**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	2B-06-VC	2B-06-VC	2B-06-VC	2B-06-VC
							Sample ID	2B-06-VC-2-3-200828	2B-06-VC-3-4-200828	2B-06-VC-4-5-200828	2B-06-VC-5-6-200828
							Sample Date	8/28/2020	8/28/2020	8/28/2020	8/28/2020
							Depth	2 - 3 ft	3 - 4 ft	4 - 5 ft	5 - 6 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1240211.66	1240211.66	1240211.66	1240211.66
							Y	642136.51	642136.51	642136.51	642136.51
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2B-06-VC	2B-06-VC	2B-06-VC	2B-07A-VC
								Sample ID	2B-06-VC-6-7-200828	2B-06-VC-7-8-200828	2B-06-VC-8-9-200828	2B-07A-VC-0-1-200908
								Sample Date	8/28/2020	8/28/2020	8/28/2020	9/8/2020
								Depth	6 - 7 ft	7 - 8 ft	8 - 9 ft	0 - 1 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240211.66	1240211.66	1240211.66	1240254.14
								Y	642136.51	642136.51	642136.51	642105.14
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								**0.28**	--	--	**2.13**
Total Solids	SM2540G								**79.78**	**84.65**	**83.59**	**67.91**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.0261 J**	**0.0223 J**	**0.0367 J**	**0.129**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				100 U	--	--	99.7 U
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				20 U	--	--	**19.9 J**
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				20 U	--	--	**117**
Pentachlorophenol	SW8270E	360	690	360	690				100 UJ	--	--	99.7 UJ
Phenol	SW8270E	420	1200	420	1200				20 U	--	--	**101**
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						7.1429 U	--	--	**3.5728**
Acenaphthene	SW8270E	16	57						7.1429 U	--	--	**0.7934 J**
Acenaphthylene	SW8270E	66	66						7.1429 U	--	--	**1.3897**
Anthracene	SW8270E	220	1200						7.1429 U	--	--	**2.5258**
Benzo(a)anthracene	SW8270E	110	270						**1.8929 J**	--	--	**2.0704**
Benzo(a)pyrene	SW8270E	99	210						7.1429 U	--	--	**2.6244**
Benzo(g,h,i)perylene	SW8270E	31	78						7.1429 U	--	--	**2.615**
Chrysene	SW8270E	110	460						7.1429 U	--	--	**2.6479**
Dibenzo(a,h)anthracene	SW8270E	12	33						7.1429 U	--	--	**0.4695 J**
Fluoranthene	SW8270E	160	1200						7.1429 U	--	--	**9.155 J**
Fluorene	SW8270E	23	79						7.1429 U	--	--	**1.6948**
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						7.1429 U	--	--	**1.8638**
Naphthalene	SW8270E	99	170						7.1429 U	--	--	**22.441**
Phenanthrene	SW8270E	100	480						7.1429 U	--	--	**10.563**
Pyrene	SW8270E	1000	1400						7.1429 U	--	--	**9.014 J**
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						14.2857 U	--	--	**4.338**
Total HPAH (SMS) (U = 0)		960	5300						**1.8929 J**	--	--	**34.7981 J**
Total LPAH (SMS) (U = 0)		370	780						7.1429 U	--	--	**39.4085 J**
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				20 U	--	--	**76.1**
Acenaphthene	SW8270E			500	500				20 U	--	--	**16.9 J**
Acenaphthylene	SW8270E			1300	1300				20 U	--	--	**29.6**
Anthracene	SW8270E			960	960				20 U	--	--	**53.8**
Benzo(a)anthracene	SW8270E			1300	1600				**5.3 J**	--	--	**44.1**
Benzo(a)pyrene	SW8270E			1600	1600				20 U	--	--	**55.9**
Benzo(g,h,i)perylene	SW8270E			670	720				20 U	--	--	**55.7**
Chrysene	SW8270E			1400	2800				20 U	--	--	**56.4**
Dibenzo(a,h)anthracene	SW8270E			230	230				20 U	--	--	**10 J**
Fluoranthene	SW8270E			1700	2500				20 U	--	--	**195 J**
Fluorene	SW8270E			540	540				20 U	--	--	**36.1**
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				20 U	--	--	**39.7**
Naphthalene	SW8270E			2100	2100				20 U	--	--	**478**
Phenanthrene	SW8270E			1500	1500				20 U	--	--	**225**
Pyrene	SW8270E			2600	3300				20 U	--	--	**192 J**
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				40 U	--	--	**92.4**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		**0.53 J**	--	--	**75.084 J**
Total HPAH (SMS) (U = 0)				12000	17000				**5.3 J**	--	--	**741.2 J**
Total LPAH (SMS) (U = 0)				5200	5200				20 U	--	--	**839.4 J**

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2B-06-VC	2B-06-VC	2B-06-VC	2B-07A-VC
								Sample ID	2B-06-VC-6-7-200828	2B-06-VC-7-8-200828	2B-06-VC-8-9-200828	2B-07A-VC-0-1-200908
								Sample Date	8/28/2020	8/28/2020	8/28/2020	9/8/2020
								Depth	6 - 7 ft	7 - 8 ft	8 - 9 ft	0 - 1 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240211.66	1240211.66	1240211.66	1240254.14
								Y	642136.51	642136.51	642136.51	642105.14
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								0.07 U	--	--	0.131 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								0.076 U	--	--	**0.501 J**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								0.095 U	--	--	**0.887 J**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**0.161 J**	--	--	**1.86**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								0.101 U	--	--	**1.16**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								3.36 U	--	--	**48.7**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								42.7 U	--	--	**483**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								0.999 U	--	--	**25**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**0.197**	--	--	**14.8**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**0.161**	--	--	**39.1**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**6.6**	--	--	**98.6**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								0.066 UJ	--	--	**1.29**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								0.084 UJ	--	--	**0.349 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								0.078 UJ	--	--	**0.282 J**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								0.051 UJ	--	--	**0.594 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								0.048 U	--	--	**0.29 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								0.07 U	--	--	**0.228 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								0.048 U	--	--	**0.264 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								0.841 U	--	--	**6.81**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								0.136 U	--	--	**0.405 J**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								2.29 U	--	--	**19.9**
Total Tetrachlorodibenzofuran (TCDF)	E1613B								0.999 U	--	--	**3.36**
Total Pentachlorodibenzofuran (PeCDF)	E1613B								**0.092**	--	--	**2.15**
Total Hexachlorodibenzofuran (HxCDF)	E1613B								**0.183**	--	--	**8.9**
Total Heptachlorodibenzofuran (HpCDF)	E1613B								**2.09**	--	--	**22.1**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		**0.0161 J**	--	--	**1.96 J**

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2B-07A-VC	2B-07A-VC	2B-07A-VC	2B-07A-VC
								Sample ID	2B-07A-VC-1-2-200908	2B-07A-VC-2-3-200908	2B-07A-VC-3-4-200908	2B-07A-VC-4-5-200908
								Sample Date	9/8/2020	9/8/2020	9/8/2020	9/8/2020
								Depth	1 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240254.14	1240254.14	1240254.14	1240254.14
								Y	642105.14	642105.14	642105.14	642105.14
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A							--	--	--	--	
Total Solids	SM2540G							**78.73**	**82.8**	**84.72**	**83.77**	
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59			**0.0325**	**0.0252**	0.273 U	0.0223 U	
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--	
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--	
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--	
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--	
Phenol	SW8270E	420	1200	420	1200			--	--	--	--	
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--	
Acenaphthene	SW8270E	16	57					--	--	--	--	
Acenaphthylene	SW8270E	66	66					--	--	--	--	
Anthracene	SW8270E	220	1200					--	--	--	--	
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--	
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--	
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--	
Chrysene	SW8270E	110	460					--	--	--	--	
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--	
Fluoranthene	SW8270E	160	1200					--	--	--	--	
Fluorene	SW8270E	23	79					--	--	--	--	
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--	
Naphthalene	SW8270E	99	170					--	--	--	--	
Phenanthrene	SW8270E	100	480					--	--	--	--	
Pyrene	SW8270E	1000	1400					--	--	--	--	
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--	
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--	
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--	
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--	
Acenaphthene	SW8270E			500	500			--	--	--	--	
Acenaphthylene	SW8270E			1300	1300			--	--	--	--	
Anthracene	SW8270E			960	960			--	--	--	--	
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--	
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--	
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--	
Chrysene	SW8270E			1400	2800			--	--	--	--	
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--	
Fluoranthene	SW8270E			1700	2500			--	--	--	--	
Fluorene	SW8270E			540	540			--	--	--	--	
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--	
Naphthalene	SW8270E			2100	2100			--	--	--	--	
Phenanthrene	SW8270E			1500	1500			--	--	--	--	
Pyrene	SW8270E			2600	3300			--	--	--	--	
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--	
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--	
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--	
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--	

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2B-07A-VC	2B-07A-VC	2B-07A-VC	2B-07A-VC
								Sample ID	2B-07A-VC-1-2-200908	2B-07A-VC-2-3-200908	2B-07A-VC-3-4-200908	2B-07A-VC-4-5-200908
								Sample Date	9/8/2020	9/8/2020	9/8/2020	9/8/2020
								Depth	1 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240254.14	1240254.14	1240254.14	1240254.14
								Y	642105.14	642105.14	642105.14	642105.14
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--	
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--	
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--	
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--	

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background	WWP2_PRDI 2B-07A-VC 2B-07A-VC-5-6-200908 9/8/2020 5 - 6 ft N SE 1240254.14 642105.14	WWP2_PRDI 2B-07-VC 2B-07-VC-0-1-200831 8/31/2020 0 - 1 ft N SE 1240270.09 642083.04	WWP2_PRDI 2B-07-VC 2B-07-VC-1-2-200831 8/31/2020 1 - 2 ft N SE 1240270.09 642083.04	WWP2_PRDI 2B-07-VC 2B-07-VC-2-3-200831 8/31/2020 2 - 3 ft N SE 1240270.09 642083.04
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	--
Total Solids	SM2540G							**82.85**	**47.31**	**43.69**	**39.13**
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			0.0292 U	**2.3**	**4.41**	**8.39**
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	2B-07A-VC	2B-07-VC	2B-07-VC	2B-07-VC
							Sample ID	2B-07A-VC-5-6-200908	2B-07-VC-0-1-200831	2B-07-VC-1-2-200831	2B-07-VC-2-3-200831
							Sample Date	9/8/2020	8/31/2020	8/31/2020	8/31/2020
							Depth	5 - 6 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1240254.14	1240270.09	1240270.09	1240270.09
							Y	642105.14	642083.04	642083.04	642083.04
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2B-07-VC	2B-07-VC	2B-07-VC	2C-03-VC
								Sample ID	2B-07-VC-3-4-200831	2B-07-VC-4-5.7-200831	2B-107-VC-1-2-200831	2C-03-VC-0-1-200826
								Sample Date	8/31/2020	8/31/2020	8/31/2020	8/26/2020
								Depth	3 - 4 ft	4 - 5.7 ft	1 - 2 ft	0 - 1 ft
								Sample Type	N	N	FD	N
								Matrix	SE	SE	SE	SE
								X	1240270.09	1240270.09	1240270.09	1240817.06
								Y	642083.04	642083.04	642083.04	642039.04
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	--	--
Total Solids	SM2540G								**40.06**	**47.93**	**44.08**	**30.45**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**28.9**	**19.9**	**4.42**	**15.6**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	2B-07-VC	2B-07-VC	2B-07-VC	2C-03-VC
							Sample ID	2B-07-VC-3-4-200831	2B-07-VC-4-5.7-200831	2B-107-VC-1-2-200831	2C-03-VC-0-1-200826
							Sample Date	8/31/2020	8/31/2020	8/31/2020	8/26/2020
							Depth	3 - 4 ft	4 - 5.7 ft	1 - 2 ft	0 - 1 ft
							Sample Type	N	N	FD	N
							Matrix	SE	SE	SE	SE
							X	1240270.09	1240270.09	1240270.09	1240817.06
							Y	642083.04	642083.04	642083.04	642039.04
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
Task								WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
Location ID								2C-03-VC	2C-03-VC	2C-03-VC	2C-03-VC
Sample ID								2C-03-VC-1-2-200826	2C-03-VC-2-3-200826	2C-03-VC-3-4-200826	2C-03-VC-4-4.6-200826
Sample Date								8/26/2020	8/26/2020	8/26/2020	8/26/2020
Depth								1 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 4.6 ft
Sample Type								N	N	N	N
Matrix								SE	SE	SE	SE
X								1240817.06	1240817.06	1240817.06	1240817.06
Y								642039.04	642039.04	642039.04	642039.04
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	**18.9**
Total Solids	SM2540G							**31.69**	**38.07**	**45.95**	**32.49**
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			**20.1**	**0.515**	**0.549**	**1.05**
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	100 U
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	20 U
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	**998**
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	100 U
Phenol	SW8270E	420	1200	420	1200			--	--	--	**183**
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	**0.5122**
Acenaphthene	SW8270E	16	57					--	--	--	**2.312**
Acenaphthylene	SW8270E	66	66					--	--	--	**0.2259**
Anthracene	SW8270E	220	1200					--	--	--	**1.878**
Benzo(a)anthracene	SW8270E	110	270					--	--	--	**6.032 J**
Benzo(a)pyrene	SW8270E	99	210					--	--	--	**2.582 J**
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	**1.026 J**
Chrysene	SW8270E	110	460					--	--	--	**7.09 J**
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	**0.4825 J**
Fluoranthene	SW8270E	160	1200					--	--	--	**12.063**
Fluorene	SW8270E	23	79					--	--	--	**1.937**
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	**1.053 J**
Naphthalene	SW8270E	99	170					--	--	--	**1.783**
Phenanthrene	SW8270E	100	480					--	--	--	**3.397**
Pyrene	SW8270E	1000	1400					--	--	--	**11.164**
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	**5.503 J**
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	**46.9958 J**
Total LPAH (SMS) (U = 0)		370	780					--	--	--	**11.5328**
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	**96.8**
Acenaphthene	SW8270E			500	500			--	--	--	**437**
Acenaphthylene	SW8270E			1300	1300			--	--	--	**42.7**
Anthracene	SW8270E			960	960			--	--	--	**355**
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	**1140 J**
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	**488 J**
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	**194 J**
Chrysene	SW8270E			1400	2800			--	--	--	**1340 J**
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	**91.2 J**
Fluoranthene	SW8270E			1700	2500			--	--	--	**2280**
Fluorene	SW8270E			540	540			--	--	--	**366**
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	**199 J**
Naphthalene	SW8270E			2100	2100			--	--	--	**337**
Phenanthrene	SW8270E			1500	1500			--	--	--	**642**
Pyrene	SW8270E			2600	3300			--	--	--	**2110**
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	**1040 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	**748.42 J**
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	**8882.2 J**
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	**2179.7**

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2C-03-VC	2C-03-VC	2C-03-VC	2C-03-VC
								Sample ID	2C-03-VC-1-2-200826	2C-03-VC-2-3-200826	2C-03-VC-3-4-200826	2C-03-VC-4-4.6-200826
								Sample Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
								Depth	1 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 4.6 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240817.06	1240817.06	1240817.06	1240817.06
								Y	642039.04	642039.04	642039.04	642039.04
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								--	--	--	**1.44**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								--	--	--	**6.3**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	--	**6.52**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	--	**96.2 J**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	--	**18.3 J**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								--	--	--	**2540**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								--	--	--	**29700**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								--	--	--	**109**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								--	--	--	**73**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								--	--	--	**418 J**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								--	--	--	**4890**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								--	--	--	**10.2 J**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	--	**2.57 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	--	**4.6**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	--	**31.8 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	--	**11.8 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	--	**5.56 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	--	**23.2 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	--	**1510 J**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	--	**47.3 J**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								--	--	--	**2800**
Total Tetrachlorodibenzofuran (TCDF)	E1613B								--	--	--	**157**
Total Pentachlorodibenzofuran (PeCDF)	E1613B								--	--	--	**255**
Total Hexachlorodibenzofuran (HxCDF)	E1613B								--	--	--	**1380 J**
Total Heptachlorodibenzofuran (HpCDF)	E1613B								--	--	--	**4930 J**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		--	--	--	**80.3 J**

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2C-04-VC	2C-04-VC	2C-04-VC	2C-04-VC
								Sample ID	2C-04-VC-0-1-200826	2C-04-VC-1-2-200826	2C-04-VC-2-3-200826	2C-04-VC-3-4.6-200826
								Sample Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
								Depth	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4.6 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240841.27	1240841.27	1240841.27	1240841.27
								Y	642009.48	642009.48	642009.48	642009.48
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	--	**5.17**
Total Solids	SM2540G								**49.34**	**38.06**	**30.88**	**57.12**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**1.86**	**1.21**	**1.07**	**0.285**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	**241**
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	20 U
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	**460**
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	99.9 U
Phenol	SW8270E	420	1200	420	1200				--	--	--	**23.4**
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	**1.1277**
Acenaphthene	SW8270E	16	57						--	--	--	**1.0619**
Acenaphthylene	SW8270E	66	66						--	--	--	**0.9052**
Anthracene	SW8270E	220	1200						--	--	--	**1.4429**
Benzo(a)anthracene	SW8270E	110	270						--	--	--	**1.8956 J**
Benzo(a)pyrene	SW8270E	99	210						--	--	--	**1.8008 J**
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	**1.8627 J**
Chrysene	SW8270E	110	460						--	--	--	**2.805 J**
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	**0.2766 J**
Fluoranthene	SW8270E	160	1200						--	--	--	**11.547 J**
Fluorene	SW8270E	23	79						--	--	--	**1.3095**
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	**1.2785 J**
Naphthalene	SW8270E	99	170						--	--	--	**8.549**
Phenanthrene	SW8270E	100	480						--	--	--	**6.925**
Pyrene	SW8270E	1000	1400						--	--	--	**11.315 J**
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	**3.25 J**
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	**36.0309 J**
Total LPAH (SMS) (U = 0)		370	780						--	--	--	**20.1934**
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	**58.3**
Acenaphthene	SW8270E			500	500				--	--	--	**54.9**
Acenaphthylene	SW8270E			1300	1300				--	--	--	**46.8**
Anthracene	SW8270E			960	960				--	--	--	**74.6**
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	**98 J**
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	**93.1 J**
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	**96.3 J**
Chrysene	SW8270E			1400	2800				--	--	--	**145 J**
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	**14.3 J**
Fluoranthene	SW8270E			1700	2500				--	--	--	**597 J**
Fluorene	SW8270E			540	540				--	--	--	**67.7**
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	**66.1 J**
Naphthalene	SW8270E			2100	2100				--	--	--	**442**
Phenanthrene	SW8270E			1500	1500				--	--	--	**358**
Pyrene	SW8270E			2600	3300				--	--	--	**585 J**
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	**168 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	**129.19 J**
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	**1862.8 J**
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	**1044**

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	2C-04-VC	2C-04-VC	2C-04-VC	2C-04-VC
							Sample ID	2C-04-VC-0-1-200826	2C-04-VC-1-2-200826	2C-04-VC-2-3-200826	2C-04-VC-3-4.6-200826
							Sample Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
							Depth	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4.6 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1240841.27	1240841.27	1240841.27	1240841.27
							Y	642009.48	642009.48	642009.48	642009.48
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	**0.412 J**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	**1.14**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	0.224 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**1.31 J**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**0.71 J**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**15.6**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	**137**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	**32.1**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	**20.5**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**24.9 J**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**33.3**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	**2.77 J**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**0.924 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**1.28**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**1.08 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**1.25 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	0.258 UJ
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**1.99 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**4.57 J**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	0.423 UJ
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	**10.7**
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	**44.3**
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**47.5**
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**24.4 J**
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**13.8 J**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	**3.12 J**

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2C-05-VC	2C-05-VC	2C-05-VC	2C-05-VC
								Sample ID	2C-05-VC-0-1-200831	2C-05-VC-1-2-200831	2C-05-VC-2-3-200831	2C-05-VC-3-4-200831
								Sample Date	8/31/2020	8/31/2020	8/31/2020	8/31/2020
								Depth	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1241090.29	1241090.29	1241090.29	1241090.29
								Y	642329.15	642329.15	642329.15	642329.15
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	--	**19.2**
Total Solids	SM2540G								**92.44**	**26.82**	**23.76**	**83.92**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.0378**	**0.84**	**0.912**	**0.111 J**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	498 U
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	99.6 U
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	99.6 U
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	498 U
Phenol	SW8270E	420	1200	420	1200				--	--	--	99.6 U
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	0.5188 U
Acenaphthene	SW8270E	16	57						--	--	--	0.5188 U
Acenaphthylene	SW8270E	66	66						--	--	--	0.5188 U
Anthracene	SW8270E	220	1200						--	--	--	0.5188 U
Benzo(a)anthracene	SW8270E	110	270						--	--	--	0.5188 UJ
Benzo(a)pyrene	SW8270E	99	210						--	--	--	**1 J**
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	**0.745 J**
Chrysene	SW8270E	110	460						--	--	--	**1.005 J**
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	**0.2661 J**
Fluoranthene	SW8270E	160	1200						--	--	--	**1.641**
Fluorene	SW8270E	23	79						--	--	--	0.5188 U
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	**0.2375 J**
Naphthalene	SW8270E	99	170						--	--	--	0.5188 U
Phenanthrene	SW8270E	100	480						--	--	--	**0.2016 J**
Pyrene	SW8270E	1000	1400						--	--	--	**9.844**
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	**1.776 J**
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	**16.5141 J**
Total LPAH (SMS) (U = 0)		370	780						--	--	--	**0.2016 J**
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	99.6 U
Acenaphthene	SW8270E			500	500				--	--	--	99.6 U
Acenaphthylene	SW8270E			1300	1300				--	--	--	99.6 U
Anthracene	SW8270E			960	960				--	--	--	99.6 U
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	99.6 UJ
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	**192 J**
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	**143 J**
Chrysene	SW8270E			1400	2800				--	--	--	**193 J**
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	**51.1 J**
Fluoranthene	SW8270E			1700	2500				--	--	--	**315**
Fluorene	SW8270E			540	540				--	--	--	99.6 U
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	**45.6 J**
Naphthalene	SW8270E			2100	2100				--	--	--	99.6 U
Phenanthrene	SW8270E			1500	1500				--	--	--	**38.7 J**
Pyrene	SW8270E			2600	3300				--	--	--	**1890**
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	**341 J**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	**237.7 J**
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	**3170.7 J**
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	**38.7 J**

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	2C-05-VC	2C-05-VC	2C-05-VC	2C-05-VC
							Sample ID	2C-05-VC-0-1-200831	2C-05-VC-1-2-200831	2C-05-VC-2-3-200831	2C-05-VC-3-4-200831
							Sample Date	8/31/2020	8/31/2020	8/31/2020	8/31/2020
							Depth	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1241090.29	1241090.29	1241090.29	1241090.29
							Y	642329.15	642329.15	642329.15	642329.15
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	**0.742 J**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	**14.9**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**19.5**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**524 J**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**67.1 J**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**8720**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	**54900 J**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	**50.5**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	**62.6**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**1400 J**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**13500**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	**23.7 J**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**14.4**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**13.9**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**53.9 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**22.6 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**37.3 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**63.9 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**670**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**39.5**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	**706**
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	**87**
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**313**
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**1870 J**
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**2390**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	**212 J**

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2C-05-VC	2C-07-VC	2C-07-VC	2C-07-VC
								Sample ID	2C-05-VC-4-4.7-200831	2C-07-VC-0-1-200831	2C-07-VC-1-2-200831	2C-07-VC-2-3-200831
								Sample Date	8/31/2020	8/31/2020	8/31/2020	8/31/2020
								Depth	4 - 4.7 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1241090.29	1241530.47	1241530.47	1241530.47
								Y	642329.15	642764.76	642764.76	642764.76
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	--	--
Total Solids	SM2540G								**31.5**	**36.04**	**37.94**	**47.47**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.344 J**	**2.59 J**	**0.842 J**	**1.5 J**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	2C-05-VC	2C-07-VC	2C-07-VC	2C-07-VC
							Sample ID	2C-05-VC-4-4.7-200831	2C-07-VC-0-1-200831	2C-07-VC-1-2-200831	2C-07-VC-2-3-200831
							Sample Date	8/31/2020	8/31/2020	8/31/2020	8/31/2020
							Depth	4 - 4.7 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1241090.29	1241530.47	1241530.47	1241530.47
							Y	642329.15	642764.76	642764.76	642764.76
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2C-07-VC	2C-07-VC	2C-08-DC	6C-01-VC_2020
								Sample ID	2C-07-VC-3-4.7-200831	2C-107-VC-3-4.7-200831	2C-08-DC-0-1.1-200828	6C-01-VC-0-1-200831
								Sample Date	8/31/2020	8/31/2020	8/28/2020	8/31/2020
								Depth	3 - 4.7 ft	3 - 4.7 ft	0 - 1.1 ft	0 - 1 ft
								Sample Type	N	FD	N	N
								Matrix	SE	SE	SE	SE
								X	1241530.47	1241530.47	1241368.13	1239793.21
								Y	642764.76	642764.76	642554.37	640658.73
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								**3.17**	**3.28**	**7.29**	--
Total Solids	SM2540G								**49.03**	**51.57**	**52.97**	**37.43**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.374 J**	**0.366 J**	**1.07**	**0.327 J**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				99.8 U	100 U	99.9 U	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				20 U	**1390**	20 U	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				**1150**	**1370**	**1690**	--
Pentachlorophenol	SW8270E	360	690	360	690				99.8 U	100 U	99.9 U	--
Phenol	SW8270E	420	1200	420	1200				**153**	**177**	**1130**	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						**13.785**	**14.085**	**1.048**	--
Acenaphthene	SW8270E	16	57						**1.8013**	**1.6402**	**1.1824**	--
Acenaphthylene	SW8270E	66	66						**0.5836 J**	**0.561 J**	**1.2387**	--
Anthracene	SW8270E	220	1200						**2.2019**	**1.9939**	**3.567**	--
Benzo(a)anthracene	SW8270E	110	270						**2.4984 J**	**2.8415 J**	**9.328**	--
Benzo(a)pyrene	SW8270E	99	210						**1.6278 J**	**1.9726 J**	**7.476 J**	--
Benzo(g,h,i)perylene	SW8270E	31	78						**0.8738 J**	**0.5274 J**	**4.266 J**	--
Chrysene	SW8270E	110	460						**4.479 J**	**5.091 J**	**17.147**	--
Dibenzo(a,h)anthracene	SW8270E	12	33						**0.4196 J**	0.6098 UJ	**1.372 J**	--
Fluoranthene	SW8270E	160	1200						**5.363**	**6.311**	**24.005**	--
Fluorene	SW8270E	23	79						**2.0473**	**2.0457**	**1.55**	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						**0.6625 J**	0.6098 UJ	**3.8 J**	--
Naphthalene	SW8270E	99	170						**5.71**	**5.579**	**6.763**	--
Phenanthrene	SW8270E	100	480						**9.874**	**9.97**	**9.163**	--
Pyrene	SW8270E	1000	1400						**8.991**	**9.573**	**35.528**	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						**2.1009 J**	**2.2591 J**	**17.01 J**	--
Total HPAH (SMS) (U = 0)		960	5300						**27.0158 J**	**28.5762 J**	**119.931 J**	--
Total LPAH (SMS) (U = 0)		370	780						**22.2177 J**	**21.7896 J**	**23.4636**	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				**437**	**462**	**76.4**	--
Acenaphthene	SW8270E			500	500				**57.1**	**53.8**	**86.2**	--
Acenaphthylene	SW8270E			1300	1300				**18.5 J**	**18.4 J**	**90.3**	--
Anthracene	SW8270E			960	960				**69.8**	**65.4**	**260**	--
Benzo(a)anthracene	SW8270E			1300	1600				**79.2 J**	**93.2 J**	**680**	--
Benzo(a)pyrene	SW8270E			1600	1600				**51.6 J**	**64.7 J**	**545 J**	--
Benzo(g,h,i)perylene	SW8270E			670	720				**27.7 J**	**17.3 J**	**311 J**	--
Chrysene	SW8270E			1400	2800				**142 J**	**167 J**	**1250**	--
Dibenzo(a,h)anthracene	SW8270E			230	230				**13.3 J**	20 UJ	**100 J**	--
Fluoranthene	SW8270E			1700	2500				**170**	**207**	**1750**	--
Fluorene	SW8270E			540	540				**64.9**	**67.1**	**113**	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				**21 J**	20 UJ	**277 J**	--
Naphthalene	SW8270E			2100	2100				**181**	**183**	**493**	--
Phenanthrene	SW8270E			1500	1500				**313**	**327**	**668**	--
Pyrene	SW8270E			2600	3300				**285**	**314**	**2590**	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				**66.6 J**	**74.1 J**	**1240 J**	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		**71.03 J**	**83.1 J**	**787.2 J**	--
Total HPAH (SMS) (U = 0)				12000	17000				**856.4 J**	**937.3 J**	**8743 J**	--
Total LPAH (SMS) (U = 0)				5200	5200				**704.3 J**	**714.7 J**	**1710.5**	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	2C-07-VC	2C-07-VC	2C-08-DC	6C-01-VC_2020
								Sample ID	2C-07-VC-3-4.7-200831	2C-107-VC-3-4.7-200831	2C-08-DC-0-1.1-200828	6C-01-VC-0-1-200831
								Sample Date	8/31/2020	8/31/2020	8/28/2020	8/31/2020
								Depth	3 - 4.7 ft	3 - 4.7 ft	0 - 1.1 ft	0 - 1 ft
								Sample Type	N	FD	N	N
								Matrix	SE	SE	SE	SE
								X	1241530.47	1241530.47	1241368.13	1239793.21
								Y	642764.76	642764.76	642554.37	640658.73
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								0.24 U	**1.26 J**	**2.23**	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**2.84**	**6.05**	**21.2**	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**3.1 J**	**6.68**	**56.5**	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**15.9 J**	**33.5 J**	**129 J**	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**5.3 J**	**12.6 J**	**86.1 J**	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**654**	**1040**	**2630**	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								**9560 J**	**14000 J**	**18700**	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**135**	**330**	**2980**	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**101**	**243**	**2530**	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**280 J**	**602 J**	**4920 J**	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**1460**	**2220**	**5680**	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								**4.9 J**	**14.1 J**	**26.9 J**	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**1.16 J**	**2.66 J**	**11 J**	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**1.57 J**	**2.39 J**	**13.9**	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**7.03 J**	**12.1 J**	**26 J**	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**2.56 J**	**5.01 J**	**13.2 J**	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								**3.51 J**	**5.2 J**	**7.9 J**	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**4.69 J**	**7.54 J**	**19.9 J**	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								**146**	**261**	**448 J**	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								**11.2**	**19.7**	**17.9 J**	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								**457**	**881**	**866**	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B								**32**	**80.4**	**292**	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B								**35**	**70**	**178**	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B								**240 J**	**442 J**	**529 J**	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B								**679**	**1240**	**1230 J**	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		**19.2 J**	**35.5 J**	**101 J**	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-01-VC_2020	6C-01-VC_2020	6C-01-VC_2020	6C-01-VC_2020
								Sample ID	6C-01-VC-1-2-200831	6C-01-VC-2-3-200831	6C-01-VC-3-4-200831	6C-01-VC-4-5-200831
								Sample Date	8/31/2020	8/31/2020	8/31/2020	8/31/2020
								Depth	1 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239793.21	1239793.21	1239793.21	1239793.21
								Y	640658.73	640658.73	640658.73	640658.73
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A							--	--	--	--	
Total Solids	SM2540G							**41.58**	**42.9**	**44.07**	**49.18**	
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59			**0.377 J**	**0.549 J**	**0.881 J**	**1.96 J**	
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--	
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--	
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--	
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--	
Phenol	SW8270E	420	1200	420	1200			--	--	--	--	
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--	
Acenaphthene	SW8270E	16	57					--	--	--	--	
Acenaphthylene	SW8270E	66	66					--	--	--	--	
Anthracene	SW8270E	220	1200					--	--	--	--	
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--	
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--	
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--	
Chrysene	SW8270E	110	460					--	--	--	--	
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--	
Fluoranthene	SW8270E	160	1200					--	--	--	--	
Fluorene	SW8270E	23	79					--	--	--	--	
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--	
Naphthalene	SW8270E	99	170					--	--	--	--	
Phenanthrene	SW8270E	100	480					--	--	--	--	
Pyrene	SW8270E	1000	1400					--	--	--	--	
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--	
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--	
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--	
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--	
Acenaphthene	SW8270E			500	500			--	--	--	--	
Acenaphthylene	SW8270E			1300	1300			--	--	--	--	
Anthracene	SW8270E			960	960			--	--	--	--	
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--	
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--	
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--	
Chrysene	SW8270E			1400	2800			--	--	--	--	
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--	
Fluoranthene	SW8270E			1700	2500			--	--	--	--	
Fluorene	SW8270E			540	540			--	--	--	--	
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--	
Naphthalene	SW8270E			2100	2100			--	--	--	--	
Phenanthrene	SW8270E			1500	1500			--	--	--	--	
Pyrene	SW8270E			2600	3300			--	--	--	--	
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--	
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--	
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--	
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--	

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	6C-01-VC_2020	6C-01-VC_2020	6C-01-VC_2020	6C-01-VC_2020
							Sample ID	6C-01-VC-1-2-200831	6C-01-VC-2-3-200831	6C-01-VC-3-4-200831	6C-01-VC-4-5-200831
							Sample Date	8/31/2020	8/31/2020	8/31/2020	8/31/2020
							Depth	1 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1239793.21	1239793.21	1239793.21	1239793.21
							Y	640658.73	640658.73	640658.73	640658.73
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	6C-01-VC_2020	6C-01-VC_2020	6C-01-VC_2020	6C-01-VC_2020
							Sample ID	6C-01-VC-5-6-200831	6C-01-VC-6-7-200831	6C-01-VC-7-8-200831	6C-01-VC-8-9-200831
							Sample Date	8/31/2020	8/31/2020	8/31/2020	8/31/2020
							Depth	5 - 6 ft	6 - 7 ft	7 - 8 ft	8 - 9 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1239793.21	1239793.21	1239793.21	1239793.21
							Y	640658.73	640658.73	640658.73	640658.73
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	**0.62**
Total Solids	SM2540G							**47.79**	**47.69**	**64.47**	**75.58**
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			**3.12 J**	**4.67**	**4.89**	**0.0854**
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	99.6 U
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	19.9 U
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	**134**
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	99.6 UJ
Phenol	SW8270E	420	1200	420	1200			--	--	--	**11.6 J**
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	**6.1129**
Acenaphthene	SW8270E	16	57					--	--	--	**3.6452**
Acenaphthylene	SW8270E	66	66					--	--	--	**5.0323**
Anthracene	SW8270E	220	1200					--	--	--	**5.8226**
Benzo(a)anthracene	SW8270E	110	270					--	--	--	**4**
Benzo(a)pyrene	SW8270E	99	210					--	--	--	**3.7097**
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	**4.2742**
Chrysene	SW8270E	110	460					--	--	--	**5.129**
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	3.2097 U
Fluoranthene	SW8270E	160	1200					--	--	--	**34.355 J**
Fluorene	SW8270E	23	79					--	--	--	**5.1613**
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	**2.5484 J**
Naphthalene	SW8270E	99	170					--	--	--	**51.452**
Phenanthrene	SW8270E	100	480					--	--	--	**27.903**
Pyrene	SW8270E	1000	1400					--	--	--	**35.161 J**
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	**6.629**
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	**95.8065 J**
Total LPAH (SMS) (U = 0)		370	780					--	--	--	**99.0161**
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	**37.9**
Acenaphthene	SW8270E			500	500			--	--	--	**22.6**
Acenaphthylene	SW8270E			1300	1300			--	--	--	**31.2**
Anthracene	SW8270E			960	960			--	--	--	**36.1**
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	**24.8**
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	**23**
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	**26.5**
Chrysene	SW8270E			1400	2800			--	--	--	**31.8**
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	19.9 U
Fluoranthene	SW8270E			1700	2500			--	--	--	**213 J**
Fluorene	SW8270E			540	540			--	--	--	**32**
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	**15.8 J**
Naphthalene	SW8270E			2100	2100			--	--	--	**319**
Phenanthrene	SW8270E			1500	1500			--	--	--	**173**
Pyrene	SW8270E			2600	3300			--	--	--	**218 J**
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	**41.1**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	**31.488 J**
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	**594 J**
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	**613.9**

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-01-VC_2020	6C-01-VC_2020	6C-01-VC_2020	6C-01-VC_2020
								Sample ID	6C-01-VC-5-6-200831	6C-01-VC-6-7-200831	6C-01-VC-7-8-200831	6C-01-VC-8-9-200831
								Sample Date	8/31/2020	8/31/2020	8/31/2020	8/31/2020
								Depth	5 - 6 ft	6 - 7 ft	7 - 8 ft	8 - 9 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239793.21	1239793.21	1239793.21	1239793.21
								Y	640658.73	640658.73	640658.73	640658.73
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	0.095 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	**0.572 J**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**0.661 J**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**3.12**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**1.15**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**93.7**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	**917**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	**12**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	**9.61**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	**32.5**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	**217**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	**0.856 J**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**0.358 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**0.259 J**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.926 J**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.456 J**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.277 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**0.401 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**36.3**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**1.36**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	**98.6**
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	**7.07**
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	**5.67**
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	**31.2**
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	**123**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	**3.06 J**

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
Task								WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
Location ID								6C-01-VC_2020	6C-01-VC_2020	6C-01-VC_2020	6C-02-VC_2020
Sample ID								6C-01-VC-9-10-200831	6C-101-VC-1-2-200831	6C-101-VC-4-5-200831	6C-02-VC-0-1-200831
Sample Date								8/31/2020	8/31/2020	8/31/2020	8/31/2020
Depth								9 - 10 ft	1 - 2 ft	4 - 5 ft	0 - 1 ft
Sample Type								N	FD	FD	N
Matrix								SE	SE	SE	SE
X								1239793.21	1239793.21	1239793.21	1239841.98
Y								640658.73	640658.73	640658.73	640687.60
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	--
Total Solids	SM2540G							**74.39**	**42.23**	**48.48**	**38.49**
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			**0.0757**	**0.375 J**	**1.63 J**	**0.29**
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-01-VC_2020	6C-01-VC_2020	6C-01-VC_2020	6C-02-VC_2020
								Sample ID	6C-01-VC-9-10-200831	6C-101-VC-1-2-200831	6C-101-VC-4-5-200831	6C-02-VC-0-1-200831
								Sample Date	8/31/2020	8/31/2020	8/31/2020	8/31/2020
								Depth	9 - 10 ft	1 - 2 ft	4 - 5 ft	0 - 1 ft
								Sample Type	N	FD	FD	N
								Matrix	SE	SE	SE	SE
								X	1239793.21	1239793.21	1239793.21	1239841.98
								Y	640658.73	640658.73	640658.73	640687.60
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--	
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--	
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--	
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--	

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-02-VC_2020	6C-02-VC_2020	6C-02-VC_2020	6C-02-VC_2020
								Sample ID	6C-02-VC-1-2-200831	6C-02-VC-2-3-200831	6C-02-VC-3-4-200831	6C-02-VC-4-5-200831
								Sample Date	8/31/2020	8/31/2020	8/31/2020	8/31/2020
								Depth	1 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239841.98	1239841.98	1239841.98	1239841.98
								Y	640687.60	640687.60	640687.60	640687.60
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	--	--	--
Total Solids	SM2540G								40.2	41.05	37.46	41.71
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				0.438	0.444	0.365	1.01
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				--	--	--	--
Phenol	SW8270E	420	1200	420	1200				--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	--	--	--
Acenaphthene	SW8270E	16	57						--	--	--	--
Acenaphthylene	SW8270E	66	66						--	--	--	--
Anthracene	SW8270E	220	1200						--	--	--	--
Benzo(a)anthracene	SW8270E	110	270						--	--	--	--
Benzo(a)pyrene	SW8270E	99	210						--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	--	--	--
Chrysene	SW8270E	110	460						--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	--	--	--
Fluoranthene	SW8270E	160	1200						--	--	--	--
Fluorene	SW8270E	23	79						--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	--	--	--
Naphthalene	SW8270E	99	170						--	--	--	--
Phenanthrene	SW8270E	100	480						--	--	--	--
Pyrene	SW8270E	1000	1400						--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						--	--	--	--
Total LPAH (SMS) (U = 0)		370	780						--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	--	--	--
Acenaphthene	SW8270E			500	500				--	--	--	--
Acenaphthylene	SW8270E			1300	1300				--	--	--	--
Anthracene	SW8270E			960	960				--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	--	--	--
Chrysene	SW8270E			1400	2800				--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	--	--	--
Fluoranthene	SW8270E			1700	2500				--	--	--	--
Fluorene	SW8270E			540	540				--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	--	--	--
Naphthalene	SW8270E			2100	2100				--	--	--	--
Phenanthrene	SW8270E			1500	1500				--	--	--	--
Pyrene	SW8270E			2600	3300				--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	6C-02-VC_2020	6C-02-VC_2020	6C-02-VC_2020	6C-02-VC_2020
							Sample ID	6C-02-VC-1-2-200831	6C-02-VC-2-3-200831	6C-02-VC-3-4-200831	6C-02-VC-4-5-200831
							Sample Date	8/31/2020	8/31/2020	8/31/2020	8/31/2020
							Depth	1 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 5 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1239841.98	1239841.98	1239841.98	1239841.98
							Y	640687.60	640687.60	640687.60	640687.60
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-02-VC_2020	6C-02-VC_2020	6C-03-VC_2020	6C-03-VC_2020
								Sample ID	6C-02-VC-5-6-200831	6C-02-VC-6-7-200831	6C-03-VC-0-1-200903	6C-03-VC-1-2-200903
								Sample Date	8/31/2020	8/31/2020	9/3/2020	9/3/2020
								Depth	5 - 6 ft	6 - 7 ft	0 - 1 ft	1 - 2 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239841.98	1239841.98	1239860.02	1239860.02
								Y	640687.60	640687.60	640487.16	640487.16
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A							--	**3.83**	**1.86**	--
Total Solids	SM2540G							**53.74**	**50.41**	**52.35**	**68.93**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59			**2.72**	**5.16**	**0.353**	**0.304**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	499 UJ	99.6 U	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	99.8 U	**8.1 J**	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	**131**	**287**	--
Pentachlorophenol	SW8270E	360	690	360	690			--	499 U	99.6 U	--
Phenol	SW8270E	420	1200	420	1200			--	99.8 U	**419**	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64					--	**2.1749 J**	**3.328**	--
Acenaphthene	SW8270E	16	57					--	**2.564 J**	**2.4194**	--
Acenaphthylene	SW8270E	66	66					--	**1.3577 J**	**1.7688**	--
Anthracene	SW8270E	220	1200					--	**12.01**	**5.538**	--
Benzo(a)anthracene	SW8270E	110	270					--	**19.608**	**11.129**	--
Benzo(a)pyrene	SW8270E	99	210					--	**8.642**	**8.118**	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	**4.778**	**5.0914 J**	--
Chrysene	SW8270E	110	460					--	**35.509**	**18.441**	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	**1.4517 J**	**1.9194**	--
Fluoranthene	SW8270E	160	1200					--	**59.008**	**15.968**	--
Fluorene	SW8270E	23	79					--	**4.621**	**4.0108**	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	**3.577**	**4.6505**	--
Naphthalene	SW8270E	99	170					--	**5.483**	**12.258**	--
Phenanthrene	SW8270E	100	480					--	**13.708**	**12.151**	--
Pyrene	SW8270E	1000	1400					--	**49.869**	**34.247**	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	**21.358**	**18.871**	--
Total HPAH (SMS) (U = 0)		960	5300					--	**203.8016 J**	**118.4355 J**	--
Total LPAH (SMS) (U = 0)		370	780					--	**39.7441 J**	**38.1452**	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670			--	**83.3 J**	**61.9**	--
Acenaphthene	SW8270E			500	500			--	**98.2 J**	**45**	--
Acenaphthylene	SW8270E			1300	1300			--	**52 J**	**32.9**	--
Anthracene	SW8270E			960	960			--	**460**	**103**	--
Benzo(a)anthracene	SW8270E			1300	1600			--	**751**	**207**	--
Benzo(a)pyrene	SW8270E			1600	1600			--	**331**	**151**	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	**183**	**94.7 J**	--
Chrysene	SW8270E			1400	2800			--	**1360**	**343**	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	**55.6 J**	**35.7**	--
Fluoranthene	SW8270E			1700	2500			--	**2260**	**297**	--
Fluorene	SW8270E			540	540			--	**177**	**74.6**	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	**137**	**86.5**	--
Naphthalene	SW8270E			2100	2100			--	**210**	**228**	--
Phenanthrene	SW8270E			1500	1500			--	**525**	**226**	--
Pyrene	SW8270E			2600	3300			--	**1910**	**637**	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	**818**	**351**	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	**520.76 J**	**222.45**	--
Total HPAH (SMS) (U = 0)				12000	17000			--	**7805.6 J**	**2202.9 J**	--
Total LPAH (SMS) (U = 0)				5200	5200			--	**1522.2 J**	**709.5**	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-02-VC_2020	6C-02-VC_2020	6C-03-VC_2020	6C-03-VC_2020
								Sample ID	6C-02-VC-5-6-200831	6C-02-VC-6-7-200831	6C-03-VC-0-1-200903	6C-03-VC-1-2-200903
								Sample Date	8/31/2020	8/31/2020	9/3/2020	9/3/2020
								Depth	5 - 6 ft	6 - 7 ft	0 - 1 ft	1 - 2 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239841.98	1239841.98	1239860.02	1239860.02
								Y	640687.60	640687.60	640487.16	640487.16
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	**1.67**	**0.587 J**	--	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	**8.05**	**4.3**	--	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**12.4**	**11.6**	--	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**108**	**27.5**	--	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**36.8**	**15.5**	--	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	**3000 J**	**945**	--	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	**25600 J**	**8590 J**	--	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	**47.6**	**346**	--	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	**66.5**	**247**	--	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**695**	**730**	--	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	**5500**	**2170**	--	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	**42.8 J**	**9.36 J**	--	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	**26.9**	**2.37**	--	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	**13.5**	**2.29**	--	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**64.1**	**11 J**	--	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**16.4**	**4.08**	--	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**15.3 J**	**4.09 J**	--	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**8.66**	**5.51**	--	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	**458**	**136 J**	--	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	**28**	**11.1 J**	--	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	**1270 J**	**520**	--	
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	**93**	**16**	--	
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	**146**	**32.9**	--	
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	**885**	**179**	--	
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	**1680**	**552**	--	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	**87.9 J**	**28.2 J**	--	

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-03-VC_2020	6C-03-VC_2020	6C-03-VC_2020	6C-03-VC_2020
								Sample ID	6C-03-VC-2-3-200903	6C-03-VC-3-4-200903	6C-03-VC-4-5-200903	6C-03-VC-5-6-200903
								Sample Date	9/3/2020	9/3/2020	9/3/2020	9/3/2020
								Depth	2 - 3 ft	3 - 4 ft	4 - 5 ft	5 - 6 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239860.02	1239860.02	1239860.02	1239860.02
								Y	640487.16	640487.16	640487.16	640487.16
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Conventional Parameters (pct)											
Total organic carbon	SW9060A							**0.6**	--	--	--
Total Solids	SM2540G							**74.74**	**78.95**	**83.56**	**86.39**
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			**0.163**	**0.095**	**0.0301**	**0.0242 J**
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-03-VC_2020	6C-03-VC_2020	6C-03-VC_2020	6C-03-VC_2020
								Sample ID	6C-03-VC-2-3-200903	6C-03-VC-3-4-200903	6C-03-VC-4-5-200903	6C-03-VC-5-6-200903
								Sample Date	9/3/2020	9/3/2020	9/3/2020	9/3/2020
								Depth	2 - 3 ft	3 - 4 ft	4 - 5 ft	5 - 6 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239860.02	1239860.02	1239860.02	1239860.02
								Y	640487.16	640487.16	640487.16	640487.16
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							0.135 U	--	--	--	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							**0.901 J**	--	--	--	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**1.76**	--	--	--	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**4.63**	--	--	--	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**2.29**	--	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							**98.4**	--	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							**778**	--	--	--	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							**52.7**	--	--	--	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							**52.6**	--	--	--	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**102**	--	--	--	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							**231**	--	--	--	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							**2.13 J**	--	--	--	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							**0.492 J**	--	--	--	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							**0.436 J**	--	--	--	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							**1.16**	--	--	--	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							**0.408 J**	--	--	--	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							**0.61 J**	--	--	--	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							**0.758 J**	--	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							**17.3**	--	--	--	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							**0.94 J**	--	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							**45.4**	--	--	--	
Total Tetrachlorodibenzofuran (TCDF)	E1613B							**3.04**	--	--	--	
Total Pentachlorodibenzofuran (PeCDF)	E1613B							**4.09**	--	--	--	
Total Hexachlorodibenzofuran (HxCDF)	E1613B							**24.5**	--	--	--	
Total Heptachlorodibenzofuran (HpCDF)	E1613B							**62.6**	--	--	--	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	**3.83 J**	--	--	--	

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-03-VC_2020	6C-03-VC_2020	6C-04-VC_2020	6C-04-VC_2020
								Sample ID	6C-03-VC-6-7.7-200903	6C-103-VC-6-7.7-200903	6C-04-VC-0-1-200903	6C-04-VC-1-2-200903
								Sample Date	9/3/2020	9/3/2020	9/3/2020	9/3/2020
								Depth	6 - 7.7 ft	6 - 7.7 ft	0 - 1 ft	1 - 2 ft
								Sample Type	N	FD	N	N
								Matrix	SE	SE	SE	SE
								X	1239860.02	1239860.02	1239947.32	1239947.32
								Y	640487.16	640487.16	640528.02	640528.02
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Conventional Parameters (pct)												
Total organic carbon	SW9060A							--	--	--	--	
Total Solids	SM2540G							85.19	81.7	40.24	37.42	
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59			0.0098 J	0.016 J	0.437	1.99	
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--	
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--	
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--	
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--	
Phenol	SW8270E	420	1200	420	1200			--	--	--	--	
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--	
Acenaphthene	SW8270E	16	57					--	--	--	--	
Acenaphthylene	SW8270E	66	66					--	--	--	--	
Anthracene	SW8270E	220	1200					--	--	--	--	
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--	
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--	
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--	
Chrysene	SW8270E	110	460					--	--	--	--	
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--	
Fluoranthene	SW8270E	160	1200					--	--	--	--	
Fluorene	SW8270E	23	79					--	--	--	--	
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--	
Naphthalene	SW8270E	99	170					--	--	--	--	
Phenanthrene	SW8270E	100	480					--	--	--	--	
Pyrene	SW8270E	1000	1400					--	--	--	--	
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--	
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--	
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--	
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--	
Acenaphthene	SW8270E			500	500			--	--	--	--	
Acenaphthylene	SW8270E			1300	1300			--	--	--	--	
Anthracene	SW8270E			960	960			--	--	--	--	
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--	
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--	
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--	
Chrysene	SW8270E			1400	2800			--	--	--	--	
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--	
Fluoranthene	SW8270E			1700	2500			--	--	--	--	
Fluorene	SW8270E			540	540			--	--	--	--	
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--	
Naphthalene	SW8270E			2100	2100			--	--	--	--	
Phenanthrene	SW8270E			1500	1500			--	--	--	--	
Pyrene	SW8270E			2600	3300			--	--	--	--	
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--	
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--	
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--	
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--	

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-03-VC_2020	6C-03-VC_2020	6C-04-VC_2020	6C-04-VC_2020
								Sample ID	6C-03-VC-6-7.7-200903	6C-103-VC-6-7.7-200903	6C-04-VC-0-1-200903	6C-04-VC-1-2-200903
								Sample Date	9/3/2020	9/3/2020	9/3/2020	9/3/2020
								Depth	6 - 7.7 ft	6 - 7.7 ft	0 - 1 ft	1 - 2 ft
								Sample Type	N	FD	N	N
								Matrix	SE	SE	SE	SE
								X	1239860.02	1239860.02	1239947.32	1239947.32
								Y	640487.16	640487.16	640528.02	640528.02
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--	
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--	
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--	
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--	
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--	

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-04-VC_2020	6C-04-VC_2020	6C-04-VC_2020	6C-05-VC_2020
								Sample ID	6C-04-VC-2-3-200903	6C-04-VC-3-4-200903	6C-04-VC-4-4.8-200903	6C-05-VC-10-11-200826
								Sample Date	9/3/2020	9/3/2020	9/3/2020	8/26/2020
								Depth	2 - 3 ft	3 - 4 ft	4 - 4.8 ft	10 - 11 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239947.32	1239947.32	1239947.32	1240001.85
								Y	640528.02	640528.02	640528.02	640305.16
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Conventional Parameters (pct)												
Total organic carbon	SW9060A							--	--	3.45	3.98	
Total Solids	SM2540G							56.65	49.89	60.4	52.14	
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59			1.7	3.06	3.37	1.05	
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	99.8 U	99.8 UJ	
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	16.8 J	20 U	
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	727	246	
Pentachlorophenol	SW8270E	360	690	360	690			--	--	77.9 J	99.8 U	
Phenol	SW8270E	420	1200	420	1200			--	--	128	65.3	
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64					--	--	5.826	1.8869	
Acenaphthene	SW8270E	16	57					--	--	6.522	2.688	
Acenaphthylene	SW8270E	66	66					--	--	4.406	1.5503 J	
Anthracene	SW8270E	220	1200					--	--	7.681	1.8216	
Benzo(a)anthracene	SW8270E	110	270					--	--	7.507	1.505	
Benzo(a)pyrene	SW8270E	99	210					--	--	6.116	1.2437	
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	4.29 J	1.3141	
Chrysene	SW8270E	110	460					--	--	11.71	2.098	
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	1.2377	0.5025 U	
Fluoranthene	SW8270E	160	1200					--	--	22.145	11.307	
Fluorene	SW8270E	23	79					--	--	6.87	2.739	
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	3.42	0.9171	
Naphthalene	SW8270E	99	170					--	--	41.449	11.357	
Phenanthrene	SW8270E	100	480					--	--	23.971	11.558	
Pyrene	SW8270E	1000	1400					--	--	40.58	9.347	
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	11.913	2.2814	
Total HPAH (SMS) (U = 0)		960	5300					--	--	108.9188 J	30.0126	
Total LPAH (SMS) (U = 0)		370	780					--	--	90.899	31.7136 J	
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670			--	--	201	75.1	
Acenaphthene	SW8270E			500	500			--	--	225	107	
Acenaphthylene	SW8270E			1300	1300			--	--	152	61.7 J	
Anthracene	SW8270E			960	960			--	--	265	72.5	
Benzo(a)anthracene	SW8270E			1300	1600			--	--	259	59.9	
Benzo(a)pyrene	SW8270E			1600	1600			--	--	211	49.5	
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	148 J	52.3	
Chrysene	SW8270E			1400	2800			--	--	404	83.5	
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	42.7	20 U	
Fluoranthene	SW8270E			1700	2500			--	--	764	450	
Fluorene	SW8270E			540	540			--	--	237	109	
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	118	36.5	
Naphthalene	SW8270E			2100	2100			--	--	1430	452	
Phenanthrene	SW8270E			1500	1500			--	--	827	460	
Pyrene	SW8270E			2600	3300			--	--	1400	372	
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	411	90.8	
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	298.11	69.055	
Total HPAH (SMS) (U = 0)				12000	17000			--	--	3757.7 J	1194.5	
Total LPAH (SMS) (U = 0)				5200	5200			--	--	3136	1262.2 J	

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-04-VC_2020	6C-04-VC_2020	6C-04-VC_2020	6C-05-VC_2020
								Sample ID	6C-04-VC-2-3-200903	6C-04-VC-3-4-200903	6C-04-VC-4-4.8-200903	6C-05-VC-10-11-200826
								Sample Date	9/3/2020	9/3/2020	9/3/2020	8/26/2020
								Depth	2 - 3 ft	3 - 4 ft	4 - 4.8 ft	10 - 11 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1239947.32	1239947.32	1239947.32	1240001.85
								Y	640528.02	640528.02	640528.02	640305.16
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	**1.32**	**1.07**	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	**9.11**	**5.45**	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**20.6**	**5.15**	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**228**	**40.3**	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**61**	**12.9**	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	**5890**	**1100**	
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	**36700**	**10500 J**	
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	**80.2**	**165**	
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	**86.3**	**140**	
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	**917**	**485**	
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	**9560**	**2570**	
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	**15.2**	**7 J**	
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	**21.5**	**2.37**	
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	**37.1**	**2.3**	
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**230 J**	**11.6**	
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**45.8**	**4.75**	
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**42.8**	**3.01**	
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**62.9**	**9.09**	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	**802 J**	**418**	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	**51.8 J**	**17.2**	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	**1010**	**1470**	
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	**70.9**	**75.3**	
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	**384**	**98.8**	
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	**2100**	**416**	
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	**2650**	**1730**	
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	**172 J**	**35.6 J**	

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-05-VC_2020	6C-05-VC_2020	6C-05-VC_2020	6C-05-VC_2020
								Sample ID	6C-05-VC-11-12-200826	6C-05-VC-12-12.2-200826	6C-05-VC-7-8-200826	6C-05-VC-8-9-200826
								Sample Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
								Depth	11 - 12 ft	12 - 12.2 ft	7 - 8 ft	8 - 9 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240001.85	1240001.85	1240001.85	1240001.85
								Y	640305.16	640305.16	640305.16	640305.16
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								**2.2**	--	--	--
Total Solids	SM2540G								**52.92**	**54.8**	**49.47**	**64.76**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**0.311**	**0.118**	**8.77**	**0.899**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				100 U	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				20 U	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				**112**	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690				100 U	--	--	--
Phenol	SW8270E	420	1200	420	1200				**14.9 J**	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						**1.6909**	--	--	--
Acenaphthene	SW8270E	16	57						**1.0727**	--	--	--
Acenaphthylene	SW8270E	66	66						**1.9545**	--	--	--
Anthracene	SW8270E	220	1200						**3.5182**	--	--	--
Benzo(a)anthracene	SW8270E	110	270						**2.4318 J**	--	--	--
Benzo(a)pyrene	SW8270E	99	210						**1.7955 J**	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78						**1.9864 J**	--	--	--
Chrysene	SW8270E	110	460						**5.909 J**	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33						**0.3227 J**	--	--	--
Fluoranthene	SW8270E	160	1200						**10.409 J**	--	--	--
Fluorene	SW8270E	23	79						**1.5636**	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						**1.1773 J**	--	--	--
Naphthalene	SW8270E	99	170						**10.182**	--	--	--
Phenanthrene	SW8270E	100	480						**7.409**	--	--	--
Pyrene	SW8270E	1000	1400						**10.364 J**	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						**3.3136 J**	--	--	--
Total HPAH (SMS) (U = 0)		960	5300						**37.7091 J**	--	--	--
Total LPAH (SMS) (U = 0)		370	780						**25.7**	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				**37.2**	--	--	--
Acenaphthene	SW8270E			500	500				**23.6**	--	--	--
Acenaphthylene	SW8270E			1300	1300				**43**	--	--	--
Anthracene	SW8270E			960	960				**77.4**	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600				**53.5 J**	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600				**39.5 J**	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720				**43.7 J**	--	--	--
Chrysene	SW8270E			1400	2800				**130 J**	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230				**7.1 J**	--	--	--
Fluoranthene	SW8270E			1700	2500				**229 J**	--	--	--
Fluorene	SW8270E			540	540				**34.4**	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				**25.9 J**	--	--	--
Naphthalene	SW8270E			2100	2100				**224**	--	--	--
Phenanthrene	SW8270E			1500	1500				**163**	--	--	--
Pyrene	SW8270E			2600	3300				**228 J**	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				**72.9 J**	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		**56.7 J**	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000				**829.6 J**	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200				**565.4**	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-05-VC_2020	6C-05-VC_2020	6C-05-VC_2020	6C-05-VC_2020
								Sample ID	6C-05-VC-11-12-200826	6C-05-VC-12-12.2-200826	6C-05-VC-7-8-200826	6C-05-VC-8-9-200826
								Sample Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
								Depth	11 - 12 ft	12 - 12.2 ft	7 - 8 ft	8 - 9 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240001.85	1240001.85	1240001.85	1240001.85
								Y	640305.16	640305.16	640305.16	640305.16
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**1.19 J**	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**7.27**	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**6.18**	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**56.6 J**	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**17.5 J**	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**1960**	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								**17700**	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**73.8**	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**98**	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**795 J**	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**4150**	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								**5.95 J**	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**2.69 J**	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**3.29 J**	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**16.8 J**	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**7.12 J**	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								**4.17 J**	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**14.2 J**	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								**774 J**	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								**32.1 J**	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								**2950**	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B								**72.2**	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B								**126**	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B								**708 J**	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B								**3260 J**	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		**56.2 J**	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
Task								WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
Location ID								6C-05-VC_2020	6C-06-VC_2020	6C-06-VC_2020	6C-06-VC_2020
Sample ID								6C-05-VC-9-10-200826	6C-06-VC-0-1-200826	6C-06-VC-1-2-200826	6C-06-VC-2-3-200826
Sample Date								8/26/2020	8/26/2020	8/26/2020	8/26/2020
Depth								9 - 10 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
Sample Type								N	N	N	N
Matrix								SE	SE	SE	SE
X								1240001.85	1240047.30	1240047.30	1240047.30
Y								640305.16	640341.68	640341.68	640341.68
Conventional Parameters (pct)											
Total organic carbon	SW9060A							--	--	--	--
Total Solids	SM2540G							59.81	43.27	42.94	43.96
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59			0.823	0.346	0.575	0.545
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					--	--	--	--
Acenaphthene	SW8270E	16	57					--	--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--	--
Anthracene	SW8270E	220	1200					--	--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--	--
Chrysene	SW8270E	110	460					--	--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--	--
Fluorene	SW8270E	23	79					--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--	--
Naphthalene	SW8270E	99	170					--	--	--	--
Phenanthrene	SW8270E	100	480					--	--	--	--
Pyrene	SW8270E	1000	1400					--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			--	--	--	--
Acenaphthene	SW8270E			500	500			--	--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--	--
Anthracene	SW8270E			960	960			--	--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--	--
Chrysene	SW8270E			1400	2800			--	--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--	--
Fluorene	SW8270E			540	540			--	--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--	--
Pyrene	SW8270E			2600	3300			--	--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	6C-05-VC_2020	6C-06-VC_2020	6C-06-VC_2020	6C-06-VC_2020
							Sample ID	6C-05-VC-9-10-200826	6C-06-VC-0-1-200826	6C-06-VC-1-2-200826	6C-06-VC-2-3-200826
							Sample Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
							Depth	9 - 10 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1240001.85	1240047.30	1240047.30	1240047.30
							Y	640305.16	640341.68	640341.68	640341.68
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Dioxin Furans (ng/kg)											
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--	--

Table 2

Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-06-VC_2020	6C-06-VC_2020	6C-06-VC_2020	6C-06-VC_2020
								Sample ID	6C-06-VC-3-4-200826	6C-06-VC-4-5-200826	6C-06-VC-5-6-200826	6C-06-VC-6-7-200826
								Sample Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
								Depth	3 - 4 ft	4 - 5 ft	5 - 6 ft	6 - 7 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240047.30	1240047.30	1240047.30	1240047.30
								Y	640341.68	640341.68	640341.68	640341.68
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Conventional Parameters (pct)												
Total organic carbon	SW9060A								--	**1.45**	**0.45**	--
Total Solids	SM2540G								**49.54**	**65.18**	**83.16**	**82.26**
Metals (mg/kg)												
Mercury	SW7471B	0.41	0.59	0.41	0.59				**3.32**	**1.56**	**0.0323**	**0.0205 J**
Semivolatile Organics (µg/kg)												
2,4-Dimethylphenol	SW8270E	29	29	29	29				--	99.7 UJ	99.6 U	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63				--	19.9 U	19.9 U	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670				--	**76.5**	19.9 U	--
Pentachlorophenol	SW8270E	360	690	360	690				--	99.7 U	99.6 U	--
Phenol	SW8270E	420	1200	420	1200				--	**138**	19.9 U	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)												
2-Methylnaphthalene	SW8270E	38	64						--	**1.5793**	4.4222 U	--
Acenaphthene	SW8270E	16	57						--	**1.3034 J**	4.4222 U	--
Acenaphthylene	SW8270E	66	66						--	**0.6828 J**	4.4222 U	--
Anthracene	SW8270E	220	1200						--	**2.7172**	4.4222 U	--
Benzo(a)anthracene	SW8270E	110	270						--	**6.2621**	4.4222 U	--
Benzo(a)pyrene	SW8270E	99	210						--	**3.9862**	4.4222 UJ	--
Benzo(g,h,i)perylene	SW8270E	31	78						--	**2.9586**	4.4222 UJ	--
Chrysene	SW8270E	110	460						--	**8.897**	4.4222 U	--
Dibenzo(a,h)anthracene	SW8270E	12	33						--	**0.8207 J**	4.4222 UJ	--
Fluoranthene	SW8270E	160	1200						--	**19.586**	4.4222 U	--
Fluorene	SW8270E	23	79						--	**1.7931**	4.4222 U	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88						--	**2.3172**	4.4222 UJ	--
Naphthalene	SW8270E	99	170						--	**5.3172**	4.4222 U	--
Phenanthrene	SW8270E	100	480						--	**7.103**	4.4222 U	--
Pyrene	SW8270E	1000	1400						--	**34.138**	**1.9556 J**	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450						--	**9.931**	8.8667 UJ	--
Total HPAH (SMS) (U = 0)		960	5300						--	**88.8966 J**	**1.9556 J**	--
Total LPAH (SMS) (U = 0)		370	780						--	**18.9172 J**	4.4222 U	--
Polycyclic Aromatic Hydrocarbons (µg/kg)												
2-Methylnaphthalene	SW8270E			670	670				--	**22.9**	19.9 U	--
Acenaphthene	SW8270E			500	500				--	**18.9 J**	19.9 U	--
Acenaphthylene	SW8270E			1300	1300				--	**9.9 J**	19.9 U	--
Anthracene	SW8270E			960	960				--	**39.4**	19.9 U	--
Benzo(a)anthracene	SW8270E			1300	1600				--	**90.8**	19.9 U	--
Benzo(a)pyrene	SW8270E			1600	1600				--	**57.8**	19.9 UJ	--
Benzo(g,h,i)perylene	SW8270E			670	720				--	**42.9**	19.9 UJ	--
Chrysene	SW8270E			1400	2800				--	**129**	19.9 U	--
Dibenzo(a,h)anthracene	SW8270E			230	230				--	**11.9 J**	19.9 UJ	--
Fluoranthene	SW8270E			1700	2500				--	**284**	19.9 U	--
Fluorene	SW8270E			540	540				--	**26**	19.9 U	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				--	**33.6**	19.9 UJ	--
Naphthalene	SW8270E			2100	2100				--	**77.1**	19.9 U	--
Phenanthrene	SW8270E			1500	1500				--	**103**	19.9 U	--
Pyrene	SW8270E			2600	3300				--	**495**	**8.8 J**	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600				--	**144**	39.9 UJ	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		--	**87.1 J**	19.9 UJ	--
Total HPAH (SMS) (U = 0)				12000	17000				--	**1289 J**	**8.8 J**	--
Total LPAH (SMS) (U = 0)				5200	5200				--	**274.3 J**	19.9 U	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-06-VC_2020	6C-06-VC_2020	6C-06-VC_2020	6C-06-VC_2020
								Sample ID	6C-06-VC-3-4-200826	6C-06-VC-4-5-200826	6C-06-VC-5-6-200826	6C-06-VC-6-7-200826
								Sample Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
								Depth	3 - 4 ft	4 - 5 ft	5 - 6 ft	6 - 7 ft
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1240047.30	1240047.30	1240047.30	1240047.30
								Y	640341.68	640341.68	640341.68	640341.68
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**					
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	**0.659 J**	0.078 U	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	**3.7**	0.112 U	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**6.4**	0.149 U	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**32.7**	**0.468 J**	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**13.6**	0.158 UJ	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	**940**	**13.2**	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	**8110 J**	**110**	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	**167**	**3.3**	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	**143**	**2.06**	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	**420**	**4.83 J**	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	**2000**	**26.9**	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	**11.7 J**	**0.184 J**	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	**5.19**	0.145 U	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	**3.7**	0.135 U	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**14.4**	**0.203 J**	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**4.52**	0.087 UJ	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**4.83**	**0.107 J**	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	**6.13**	0.085 UJ	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	**187**	**2.49 J**	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	**8.97**	0.132 UJ	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	**523**	**6.26**	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	**33**	0.999 U	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	**48.8**	0.999 U	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	**254**	**1.26 J**	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	**682**	**8.74 J**	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	**29.0 J**	**0.288 J**	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	6C-06-VC_2020	6C-06-VC_2020	6C-06-VC_2020
								Sample ID	6C-06-VC-7-8-200826	6C-06-VC-8-9-200826	6C-06-VC-9-10-200826
								Sample Date	8/26/2020	8/26/2020	8/26/2020
								Depth	7 - 8 ft	8 - 9 ft	9 - 10 ft
								Sample Type	N	N	N
								Matrix	SE	SE	SE
								X	1240047.30	1240047.30	1240047.30
								Y	640341.68	640341.68	640341.68
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**			
Conventional Parameters (pct)										
Total organic carbon	SW9060A							--	--	--
Total Solids	SM2540G							**82.47**	**82.17**	**82.03**
Metals (mg/kg)										
Mercury	SW7471B	0.41	0.59	0.41	0.59			**0.0212 J**	**0.0205 J**	**0.0171 J**
Semivolatile Organics (µg/kg)										
2,4-Dimethylphenol	SW8270E	29	29	29	29			--	--	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			--	--	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			--	--	--
Pentachlorophenol	SW8270E	360	690	360	690			--	--	--
Phenol	SW8270E	420	1200	420	1200			--	--	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)										
2-Methylnaphthalene	SW8270E	38	64					--	--	--
Acenaphthene	SW8270E	16	57					--	--	--
Acenaphthylene	SW8270E	66	66					--	--	--
Anthracene	SW8270E	220	1200					--	--	--
Benzo(a)anthracene	SW8270E	110	270					--	--	--
Benzo(a)pyrene	SW8270E	99	210					--	--	--
Benzo(g,h,i)perylene	SW8270E	31	78					--	--	--
Chrysene	SW8270E	110	460					--	--	--
Dibenzo(a,h)anthracene	SW8270E	12	33					--	--	--
Fluoranthene	SW8270E	160	1200					--	--	--
Fluorene	SW8270E	23	79					--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					--	--	--
Naphthalene	SW8270E	99	170					--	--	--
Phenanthrene	SW8270E	100	480					--	--	--
Pyrene	SW8270E	1000	1400					--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					--	--	--
Total HPAH (SMS) (U = 0)		960	5300					--	--	--
Total LPAH (SMS) (U = 0)		370	780					--	--	--
Polycyclic Aromatic Hydrocarbons (µg/kg)										
2-Methylnaphthalene	SW8270E			670	670			--	--	--
Acenaphthene	SW8270E			500	500			--	--	--
Acenaphthylene	SW8270E			1300	1300			--	--	--
Anthracene	SW8270E			960	960			--	--	--
Benzo(a)anthracene	SW8270E			1300	1600			--	--	--
Benzo(a)pyrene	SW8270E			1600	1600			--	--	--
Benzo(g,h,i)perylene	SW8270E			670	720			--	--	--
Chrysene	SW8270E			1400	2800			--	--	--
Dibenzo(a,h)anthracene	SW8270E			230	230			--	--	--
Fluoranthene	SW8270E			1700	2500			--	--	--
Fluorene	SW8270E			540	540			--	--	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			--	--	--
Naphthalene	SW8270E			2100	2100			--	--	--
Phenanthrene	SW8270E			1500	1500			--	--	--
Pyrene	SW8270E			2600	3300			--	--	--
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			--	--	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	--	--	--
Total HPAH (SMS) (U = 0)				12000	17000			--	--	--
Total LPAH (SMS) (U = 0)				5200	5200			--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	6C-06-VC_2020	6C-06-VC_2020	6C-06-VC_2020
							Sample ID	6C-06-VC-7-8-200826	6C-06-VC-8-9-200826	6C-06-VC-9-10-200826
							Sample Date	8/26/2020	8/26/2020	8/26/2020
							Depth	7 - 8 ft	8 - 9 ft	9 - 10 ft
							Sample Type	N	N	N
							Matrix	SE	SE	SE
							X	1240047.30	1240047.30	1240047.30
							Y	640341.68	640341.68	640341.68
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background			
Dioxin Furans (ng/kg)										
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							--	--	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							--	--	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							--	--	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							--	--	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							--	--	--
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							--	--	--
Total Tetrachlorodibenzofuran (TCDF)	E1613B							--	--	--
Total Pentachlorodibenzofuran (PeCDF)	E1613B							--	--	--
Total Hexachlorodibenzofuran (HxCDF)	E1613B							--	--	--
Total Heptachlorodibenzofuran (HpCDF)	E1613B							--	--	--
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	--	--	--

Table 2
Subsurface Sediment SVOC and D/F Results Compared to SMS Marine and Regional Background Values

Notes:
Bold = Detected result
TOC in range (0.5% – 3.5%) or no OC normalized SMS values
Detected concentration is greater than SMS_Marine_SCO_SCUMII screening level
Detected concentration is greater than SMS_Marine_CSL_SCUMII screening level
TOC out of range
Detected concentration is greater than AET_Marine_SCO_SCUMII screening level
Detected concentration is greater than AET_Marine_CSL_SCUMII screening level
Background Levels
Detected concentration is greater than PugetSoundNaturalBackground screening level
Detected concentration is greater than BellinghamB_RegionalBackground screening level
µg/kg: microgram per kilogram
cPAH: carcinogenic polycyclic aromatic hydrocarbon
ft: feet
J: estimated value
HPAH: high-molecular-weight polycyclic aromatic hydrocarbon
LPAH: low-molecular-weight polycyclic aromatic hydrocarbon
mg/kg: milligram per kilogram
ng/kg: nanogram per kilogram
OC: organic carbon normalized
PAH: polycyclic aromatic hydrocarbon
pct: percent
R: Rejected
SMS: Sediment Management Standards
TEQ: toxic equivalents quotient
U: compound analyzed, but not detected above detection limit
UJ: compound analyzed, but not detected above estimated detection limit

Table 3
Head of Waterway and Whatcom Creek Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	WC-01-SS	WC-02-SS	WC-02-SS	WC-03-SS
							Sample ID	WC-01-SS-0-7-200910	WC-02-SS-0-8-200910	WC-102-SS-0-8-200910	WC-03-SS-0-9-200910
							Sample Date	9/10/2020	9/10/2020	9/10/2020	9/10/2020
							Depth	0 - 7 cm	0 - 8 cm	0 - 8 cm	0 - 9 cm
							Sample Type	N	N	FD	N
							Matrix	SE	SE	SE	SE
							X	1241990.66	1242103.82	1242103.82	1242050.67
							Y	643675.40	643538.73	643538.73	643754.45
Parameter	Method	SMS_Marine_ SCO_SCUMII	SMS_Marine_ CSL_SCUMII	AET_Marine_ SCO_SCUMII	AET_Marine_ CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Conventional Parameters (pct)											
Total organic carbon	SW9060A							**2.37**	**1.06**	**0.98**	**1.21**
Total Solids	SM2540G							**55.64**	**66.77**	**67.13**	**64.97**
Grain Size (pct)											
Gravel	D422							**37.9**	**3.2**	**0.7**	**4.6**
Sand	D422							**51.9**	**84.9**	**86.9**	**86**
Silt	D422							**6.5**	**7.4**	**9.2**	**6.4**
Clay	D422							**3.9**	**4.3**	**3.2**	**2.8**
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59	0.2		**0.0588**	**0.0567**	**0.0649**	**0.0485**
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			99.9 U	99.9 U	100 U	100 U
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			20 U	20 U	20 U	20 U
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			20 U	20 U	**22.3**	20 U
Pentachlorophenol	SW8270E	360	690	360	690			**48.4 J**	99.9 U	100 U	100 U
Phenol	SW8270E	420	1200	420	1200			**20.7**	**18.8 J**	**48.2**	**14.2 J**
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					**0.312**	**2.21**	**2.35**	**0.521**
Acenaphthene	SW8270E	16	57					**0.308**	**2.92**	**3.78**	**0.603**
Acenaphthylene	SW8270E	66	66					**0.241**	**1.40**	**1.49**	1.650
Anthracene	SW8270E	220	1200					**1.32**	**4.97**	**5.58**	**1.37**
Benzo(a)anthracene	SW8270E	110	270					**2.12**	**12.9**	**14.8**	**5.74**
Benzo(a)pyrene	SW8270E	99	210					**2.59**	**15.8**	**19.9**	**7.18**
Benzo(g,h,i)perylene	SW8270E	31	78					**3.71**	**13.9**	**17.2**	**7.88**
Chrysene	SW8270E	110	460					**3.40**	**20.6**	**23.9**	**8.68**
Dibenzo(a,h)anthracene	SW8270E	12	33					**1.18**	**4.33**	**5.58**	**2.02**
Fluoranthene	SW8270E	160	1200					**5.44**	**27.2**	**38.9**	**13.5**
Fluorene	SW8270E	23	79					**0.494**	**2.84**	**4.01**	**1.08**
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					**2.76**	**11.9**	**15.2**	**6.32**
Naphthalene	SW8270E	99	170					**0.629**	**4.57**	**9.55**	**0.860**
Phenanthrene	SW8270E	100	480					**2.94**	**19.3**	**18.5**	**5.80**
Pyrene	SW8270E	1000	1400					**5.06**	**30.6**	**39.5**	**11.6**
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					**5.74**	**31.0**	**41.6**	**14.1**
Total HPAH (SMS) (U = 0)		960	5300					**32.0**	**168**	**217**	**77.0**
Total LPAH (SMS) (U = 0)		370	780					**5.93**	**36.0**	**42.9**	**9.72**
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			**7.4 J**	**23.4**	**23**	**6.3 J**
Acenaphthene	SW8270E			500	500			**7.3 J**	**31**	**37**	**7.3 J**
Acenaphthylene	SW8270E			1300	1300			**5.7 J**	**14.8 J**	**14.6 J**	20 U
Anthracene	SW8270E			960	960			**31.3**	**52.7**	**54.7**	**16.6 J**
Benzo(a)anthracene	SW8270E			1300	1600			**50.2**	**137**	**145**	**69.5**
Benzo(a)pyrene	SW8270E			1600	1600			**61.4**	**167**	**195**	**86.9**

Table 3
Head of Waterway and Whatcom Creek Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	WC-01-SS	WC-02-SS	WC-02-SS	WC-03-SS
								Sample ID	WC-01-SS-0-7-200910	WC-02-SS-0-8-200910	WC-102-SS-0-8-200910	WC-03-SS-0-9-200910
								Sample Date	9/10/2020	9/10/2020	9/10/2020	9/10/2020
								Depth	0 - 7 cm	0 - 8 cm	0 - 8 cm	0 - 9 cm
								Sample Type	N	N	FD	N
								Matrix	SE	SE	SE	SE
								X	1241990.66	1242103.82	1242103.82	1242050.67
								Y	643675.40	643538.73	643538.73	643754.45
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Benzo(g,h,i)perylene	SW8270E			670	720				**87.8**	**147**	**169**	**95.3**
Chrysene	SW8270E			1400	2800				**80.5**	**218**	**234**	**105**
Dibenzo(a,h)anthracene	SW8270E			230	230				**28**	**45.9**	**54.7**	**24.4**
Fluoranthene	SW8270E			1700	2500				**129**	**288**	**381**	**163**
Fluorene	SW8270E			540	540				**11.7 J**	**30.1**	**39.3**	**13.1 J**
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				**65.4**	**126**	**149**	**76.5**
Naphthalene	SW8270E			2100	2100				**14.9 J**	**48.4**	**93.6**	**10.4 J**
Phenanthrene	SW8270E			1500	1500				**69.6**	**205**	**181**	**70.2**
Pyrene	SW8270E			2600	3300				**120**	**324**	**387**	**140**
Total Benzofluoranthenes (b,j,k) (U = 0)	SW8270E			3200	3600				**136**	**329**	**408**	**171**
Total HPAH (SMS) (U = 0)				12000	17000				**758**	**1782**	**2123**	**932**
Total LPAH (SMS) (U = 0)				5200	5200				**141**	**382**	**420**	**118**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		**90.2**	**233**	**273**	**122**
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**0.589 J**	**0.431 JEMPC**	**0.441 JEMPC**	**0.345 JEMPC**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**1.79 EMPC**	**2.49**	**3.31**	**1.87**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**2.93**	**3.85**	**3.92 EMPC**	**2.63**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**8.61**	**17.1**	**25.7**	**8.4**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**5.62**	**6.91**	**8.94**	**6.03**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**229**	**541**	**553**	**221**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								**1840**	**4600**	**4170**	**1590**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**15.9**	**80.9**	**23.8**	**9.65**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**14.4**	**40.8**	**28.8**	**9.98**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**92.7**	**234**	**223**	**87**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**410**	**1500**	**1380**	**388**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								**38.9**	**28.8**	0.398 U	0.123 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**1.12 EMPC**	**2.51**	**2.93**	**0.804 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**1.24 EMPC**	**2.07**	**3.08**	**0.826 J**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**2.97**	**5.68**	**9.41**	**2.87**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**2.1 EMPC**	**2.88**	**4.59**	**2.06 EMPC**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								**1.15**	**3.62**	**2.74**	**0.789 JEMPC**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**1.71**	**2.4 EMPC**	**3.54**	**1.57**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								**47.1**	**63.6**	**82.6**	**48.8**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								**2.44**	**3.49**	**5.88**	**2.58**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								**129**	**180**	**216**	**136**
Total Tetrachlorodibenzofuran (TCDF)	E1613B								**152**	**108**	**121**	**53.7**
Total Pentachlorodibenzofuran (PeCDF)	E1613B								**113**	**88.4**	**120**	**62.7**
Total Hexachlorodibenzofuran (HxCDF)	E1613B								**86.1**	**145**	**237**	**79**
Total Heptachlorodibenzofuran (HpCDF)	E1613B								**146**	**223**	**296**	**146**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		**12.6 J**	**18.3 J**	**18.4 J**	**8.16 J**

Table 3
Head of Waterway and Whatcom Creek Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	WC-04-SS	WC-05-SS	WC-06-SS	WC-06-SS
							Sample ID	WC-04-SS-0-10-200910	WC-05-SS-0-12-200910	WC-06-SS-0-7-200910	WC-06-SS-0-7-200910
							Sample Date	9/10/2020	9/10/2020	9/10/2020	9/10/2020
							Depth	0 - 10 cm	0 - 12 cm	0 - 7 cm	0 - 7 cm
							Sample Type	N	N	N	N - RE
							Matrix	SE	SE	SE	SE
							X	1242062.63	1242153.69	1242220.98	1242220.98
							Y	643668.72	643651.87	643894.81	643894.81
Parameter	Method	SMS_Marine_ SCO_SCUMII	SMS_Marine_ CSL_SCUMII	AET_Marine_ SCO_SCUMII	AET_Marine_ CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background				
Conventional Parameters (pct)											
Total organic carbon	SW9060A							**1.64**	**0.55**	**2.62**	--
Total Solids	SM2540G							**61.64**	**87.93**	**61.08**	**59.21**
Grain Size (pct)											
Gravel	D422							**21.1**	**43.4**	**7.8**	--
Sand	D422							**67.4**	**56.1**	**53.8**	--
Silt	D422							**7.8**	**0**	**31.2**	--
Clay	D422							**3.9**	**1.2**	**7.2**	--
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59	0.2		**0.0847**	**0.0377**	**0.165**	--
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			99.7 U	100 U	99.9 U	--
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			19.9 U	20 U	20 U	--
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			19.9 U	20 U	**90.8**	--
Pentachlorophenol	SW8270E	360	690	360	690			99.7 U	100 U	99.9 U	--
Phenol	SW8270E	420	1200	420	1200			**12.5 J**	20 U	**41.4**	--
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					**0.671**	**1.91**	**6.30**	--
Acenaphthene	SW8270E	16	57					**1.93**	3.64	**7.48**	--
Acenaphthylene	SW8270E	66	66					**0.585**	3.64	**2.00**	--
Anthracene	SW8270E	220	1200					**3.71**	**1.89**	**4.08**	--
Benzo(a)anthracene	SW8270E	110	270					**8.11**	**4.07**	**6.37**	--
Benzo(a)pyrene	SW8270E	99	210					**9.21**	**4.93**	**5.57**	--
Benzo(g,h,i)perylene	SW8270E	31	78					**7.26**	**4.44**	**2.75**	--
Chrysene	SW8270E	110	460					**13.4**	**5.75**	**7.21**	--
Dibenzo(a,h)anthracene	SW8270E	12	33					**2.70**	3.64	**1.15**	--
Fluoranthene	SW8270E	160	1200					**17.3**	**10.13**	**23.4**	--
Fluorene	SW8270E	23	79					**1.84**	3.64	**7.44**	--
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					**6.52**	**3.60**	**2.53**	--
Naphthalene	SW8270E	99	170					**1.14**	**2.73**	**13.1**	--
Phenanthrene	SW8270E	100	480					**13.3**	**4.76**	**20.5**	--
Pyrene	SW8270E	1000	1400					**16.5**	**9.45**	**19.0**	--
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					**16.7**	**9.89**	**10.6**	--
Total HPAH (SMS) (U = 0)		960	5300					**97.6**	**52.3**	**78.7**	--
Total LPAH (SMS) (U = 0)		370	780					**22.5**	**9.38**	**54.6**	--
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			**11 J**	**10.5 J**	**165**	--
Acenaphthene	SW8270E			500	500			**31.6**	20 U	**196**	--
Acenaphthylene	SW8270E			1300	1300			**9.6 J**	20 U	**52.4**	--
Anthracene	SW8270E			960	960			**60.9**	**10.4 J**	**107**	--
Benzo(a)anthracene	SW8270E			1300	1600			**133**	**22.4**	**167**	--
Benzo(a)pyrene	SW8270E			1600	1600			**151**	**27.1**	**146**	--

Table 3
Head of Waterway and Whatcom Creek Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	WC-04-SS	WC-05-SS	WC-06-SS	WC-06-SS
								Sample ID	WC-04-SS-0-10-200910	WC-05-SS-0-12-200910	WC-06-SS-0-7-200910	WC-06-SS-0-7-200910
								Sample Date	9/10/2020	9/10/2020	9/10/2020	9/10/2020
								Depth	0 - 10 cm	0 - 12 cm	0 - 7 cm	0 - 7 cm
								Sample Type	N	N	N	N - RE
								Matrix	SE	SE	SE	SE
								X	1242062.63	1242153.69	1242220.98	1242220.98
								Y	643668.72	643651.87	643894.81	643894.81
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Benzo(g,h,i)perylene	SW8270E			670	720				**119**	**24.4**	**72**	--
Chrysene	SW8270E			1400	2800				**219**	**31.6**	**189**	--
Dibenzo(a,h)anthracene	SW8270E			230	230				**44.2**	20 U	**30**	--
Fluoranthene	SW8270E			1700	2500				**283**	**55.7**	**613**	--
Fluorene	SW8270E			540	540				**30.2**	20 U	**195**	--
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				**107**	**19.8 J**	**66.2**	--
Naphthalene	SW8270E			2100	2100				**18.7 J**	**15 J**	**344**	--
Phenanthrene	SW8270E			1500	1500				**218**	**26.2**	**536**	--
Pyrene	SW8270E			2600	3300				**270**	**52**	**499**	--
Total Benzofluoranthenes (b,j,k) (U = 0)	SW8270E			3200	3600				**274**	**54.4**	**279**	--
Total HPAH (SMS) (U = 0)				12000	17000				**1600**	**287**	**2061**	--
Total LPAH (SMS) (U = 0)				5200	5200				**369**	**51.6**	**1430**	--
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		**209**	**37.1 J**	**202**	--
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**0.498 JEMPC**	**0.304 JEMPC**	**48.2**	**25.4**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**2.49**	**0.853 JEMPC**	**470**	**244**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**3.84**	**0.727 J**	**100**	**58.9**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**13.1**	**3.1**	**599**	**319**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**7.98**	**1.77**	**242**	**141**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**345**	**74.1**	**1990**	**2190**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								**2660**	**632**	**11800**	**17400**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**25.6**	**2.94**	**1610**	**1010**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**16.8**	**3.8**	**3200**	**1740**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**158**	**26.3**	**5300**	**2880**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**711**	**183**	**3580**	**3810**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								**39.8**	0.097 U	**R**	0.514 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**4.7**	**0.478 JEMPC**	**21.3**	**13.6**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								**2.63**	**0.854 J**	**47.8 EMPC**	0.489 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**6.17**	**1.17 EMPC**	**359**	**183**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**2.68 EMPC**	**0.989 J**	**103**	**64.4**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								**3.03**	**1.53**	**94 EMPC**	**175**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**1.94**	**1.25 EMPC**	**69.6 EMPC**	**46.6**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								**62.6 EMPC**	**11.5**	**619**	**637**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								**3.81**	**0.95 J**	**87.3**	**62.8**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								**214**	**33.4**	**1810**	**2600**
Total Tetrachlorodibenzofuran (TCDF)	E1613B								**143**	**162**	**109000**	**25600**
Total Pentachlorodibenzofuran (PeCDF)	E1613B								**136**	**174**	**92600**	**13900**
Total Hexachlorodibenzofuran (HxCDF)	E1613B								**106**	**44.4**	**8830**	**2370**
Total Heptachlorodibenzofuran (HpCDF)	E1613B								**148**	**38.5**	**2370**	**2530**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		**16.7 J**	**3.55 J**	**721 J**	**403 J**

Table 3
Head of Waterway and Whatcom Creek Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
							Location ID	WC-07-SS	WC-08-SS	WC-09-SS	WC-12-SS
							Sample ID	WC-07-SS-0-12-200910	WC-08-SS-0-7-200910	WC-09-SS-0-12-200910	WC-12-SS-0-12-200910
							Sample Date	9/10/2020	9/10/2020	9/10/2020	9/10/2020
							Depth	0 - 12 cm	0 - 7 cm	0 - 12 cm	0 - 12 cm
							Sample Type	N	N	N	N
							Matrix	SE	SE	SE	SE
							X	1242252.35	1242369.98	1242430.66	1243407.53
							Y	643856.11	644084.57	644034.15	644751.54
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**				
Conventional Parameters (pct)											
Total organic carbon	SW9060A							**0.25**	**2.2**	**0.33**	**2.23**
Total Solids	SM2540G							**85.88**	**59.8**	**82.83**	**64.57**
Grain Size (pct)											
Gravel	D422							**35.6**	**15.3**	**43.7**	**0.7**
Sand	D422							**62.3**	**66.3**	**53**	**94.6**
Silt	D422							**0.9**	**14.8**	**2.3**	**3.1**
Clay	D422							**1.2**	**3.6**	**1.2**	**1.5**
Metals (mg/kg)											
Mercury	SW7471B	0.41	0.59	0.41	0.59	0.2		**0.026 J**	**0.0812**	**0.0154 J**	**0.0316 J**
Semivolatile Organics (µg/kg)											
2,4-Dimethylphenol	SW8270E	29	29	29	29			99.9 U	99.9 U	100 U	99.7 U
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			20 U	20 U	20 U	19.9 U
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			20 U	20 U	20 U	**69.2**
Pentachlorophenol	SW8270E	360	690	360	690			99.9 U	99.9 U	100 U	99.7 U
Phenol	SW8270E	420	1200	420	1200			20 U	**12.7 J**	20 U	19.9 U
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)											
2-Methylnaphthalene	SW8270E	38	64					8.00	**0.582**	6.06	**0.453**
Acenaphthene	SW8270E	16	57					**2.84**	**0.632**	6.06	**0.731**
Acenaphthylene	SW8270E	66	66					8.00	**0.414**	6.06	**0.274**
Anthracene	SW8270E	220	1200					8.00	**6.14**	6.06	**1.04**
Benzo(a)anthracene	SW8270E	110	270					8.00	**8.73**	**1.82**	**3.89**
Benzo(a)pyrene	SW8270E	99	210					8.00	**9.68**	**2.15**	**4.15**
Benzo(g,h,i)perylene	SW8270E	31	78					**3.32**	**6.45**	**3.61**	**2.60**
Chrysene	SW8270E	110	460					8.00	**14.4**	**2.30**	**5.29**
Dibenzo(a,h)anthracene	SW8270E	12	33					8.00	**2.51**	6.06	**0.865**
Fluoranthene	SW8270E	160	1200					8.00	**20.4**	**3.61**	**11.5**
Fluorene	SW8270E	23	79					8.00	**1.34**	6.06	**1.06**
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					8.00	**6.32**	6.06	**2.63**
Naphthalene	SW8270E	99	170					8.00	**0.950**	6.06	**0.726**
Phenanthrene	SW8270E	100	480					8.00	**9.77**	**3.58**	**7.62**
Pyrene	SW8270E	1000	1400					8.00	**16.8**	**3.85**	**9.78**
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					16.00	**19.3**	**3.61**	**8.48**
Total HPAH (SMS) (U = 0)		960	5300					**3.32**	**105**	**20.9**	**49.2**
Total LPAH (SMS) (U = 0)		370	780					**2.84**	**19.2**	**3.58**	**11.5**
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene	SW8270E			670	670			20 U	**12.8 J**	20 U	**10.1 J**
Acenaphthene	SW8270E			500	500			**7.1 J**	**13.9 J**	20 U	**16.3 J**
Acenaphthylene	SW8270E			1300	1300			20 U	**9.1 J**	20 U	**6.1 J**
Anthracene	SW8270E			960	960			20 U	**135**	20 U	**23.1**
Benzo(a)anthracene	SW8270E			1300	1600			20 U	**192**	**6 J**	**86.8**
Benzo(a)pyrene	SW8270E			1600	1600			20 U	**213**	**7.1 J**	**92.6**

Table 3
Head of Waterway and Whatcom Creek Results Compared to SMS Marine and Regional Background Values

								Task	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI	WWP2_PRDI
								Location ID	WC-07-SS	WC-08-SS	WC-09-SS	WC-12-SS
								Sample ID	WC-07-SS-0-12-200910	WC-08-SS-0-7-200910	WC-09-SS-0-12-200910	WC-12-SS-0-12-200910
								Sample Date	9/10/2020	9/10/2020	9/10/2020	9/10/2020
								Depth	0 - 12 cm	0 - 7 cm	0 - 12 cm	0 - 12 cm
								Sample Type	N	N	N	N
								Matrix	SE	SE	SE	SE
								X	1242252.35	1242369.98	1242430.66	1243407.53
								Y	643856.11	644084.57	644034.15	644751.54
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background					
Benzo(g,h,i)perylene	SW8270E			670	720				**8.3 J**	**142**	**11.9 J**	**58**
Chrysene	SW8270E			1400	2800				20 U	**317**	**7.6 J**	**118**
Dibenzo(a,h)anthracene	SW8270E			230	230				20 U	**55.3**	20 U	**19.3 J**
Fluoranthene	SW8270E			1700	2500				20 U	**448**	**11.9 J**	**256**
Fluorene	SW8270E			540	540				20 U	**29.5**	20 U	**23.6**
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690				20 U	**139**	20 U	**58.7**
Naphthalene	SW8270E			2100	2100				20 U	**20.9**	20 U	**17 J**
Phenanthrene	SW8270E			1500	1500				20 U	**215**	**11.8 J**	**170**
Pyrene	SW8270E			2600	3300				20 U	**369**	**12.7 J**	**218**
Total Benzofluoranthenes (b,j,k) (U = 0)	SW8270E			3200	3600				39.9 U	**425**	**11.9 J**	**189**
Total HPAH (SMS) (U = 0)				12000	17000				**8.3**	**2300**	**69**	**1096**
Total LPAH (SMS) (U = 0)				5200	5200				**7.1**	**423**	**12**	**256**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86		20 U	**297**	**9.00 J**	**129 J**
Dioxin Furans (ng/kg)												
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								0.099 U	**0.624 J**	0.063 U	**1.57 EMPC**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**0.188 JEMPC**	**7.63**	0.102 U	**2.15**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**0.346 J**	**21**	**0.192 JEMPC**	**3.36**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**1.03**	**62.9**	**1.11 EMPC**	**13.2**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**0.683 J**	**42.3**	**0.676 J**	**7.16**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**20.5**	**2270**	**30.5**	**283**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B								**122**	**28300**	**182**	**1610**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B								**0.535**	**17.7**	**0.368**	**11**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B								**0.583**	**24.7**	**0.27**	**14.4**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B								**6.44**	**314**	**5.41**	**71.3**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B								**31.6**	**3200**	**49**	**426**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B								**1.82**	**37.1**	**1.99**	0.417 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								0.247 U	**2.22**	**0.196 J**	**1.28**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B								0.236 U	**2.64**	**1.52 EMPC**	**1.49**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**0.508 JEMPC**	**12.6**	**1.74 EMPC**	**2.9 EMPC**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								0.128 U	**8.16**	**0.868 JEMPC**	**2.37**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B								**0.241 J**	**9.15**	**0.464 JEMPC**	**2.08 EMPC**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B								**0.271 JEMPC**	**6.67**	**0.589 JEMPC**	**3.04**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B								**4.37**	**295 EMPC**	**5.41**	**45.5 EMPC**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B								**0.405 JEMPC**	**21.4**	**0.644 JEMPC**	**2.56**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B								**8.7**	**928**	**12.8**	**124**
Total Tetrachlorodibenzofuran (TCDF)	E1613B								**6.15**	**147**	**16**	**30.7**
Total Pentachlorodibenzofuran (PeCDF)	E1613B								**3.56**	**254**	**10.7**	**49.7**
Total Hexachlorodibenzofuran (HxCDF)	E1613B								**7.41**	**500**	**3.74**	**86.2**
Total Heptachlorodibenzofuran (HpCDF)	E1613B								**12.1**	**706**	**14.6**	**98.2**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15		**0.970 J**	**63.7 J**	**1.65 J**	**11.4**

Table 3
Head of Waterway and Whatcom Creek Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI
							Location ID	WC-13-SS
							Sample ID	WC-13-SS-0-12-200909
							Sample Date	9/9/2020
							Depth	0 - 12 cm
							Sample Type	N
							Matrix	SE
							X	1243146.44
							Y	644674.78
Parameter	**Method**	**SMS_Marine_ SCO_SCUMII**	**SMS_Marine_ CSL_SCUMII**	**AET_Marine_ SCO_SCUMII**	**AET_Marine_ CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**	
Conventional Parameters (pct)								
Total organic carbon	SW9060A							**0.42**
Total Solids	SM2540G							**70.47**
Grain Size (pct)								
Gravel	D422							**0.3**
Sand	D422							**97.4**
Silt	D422							**0.9**
Clay	D422							**1.6**
Metals (mg/kg)								
Mercury	SW7471B	0.41	0.59	0.41	0.59	0.2		**0.0129 J**
Semivolatile Organics (µg/kg)								
2,4-Dimethylphenol	SW8270E	29	29	29	29			99.8 U
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			20 U
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			20 U
Pentachlorophenol	SW8270E	360	690	360	690			99.8 U
Phenol	SW8270E	420	1200	420	1200			20 U
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)								
2-Methylnaphthalene	SW8270E	38	64					4.76
Acenaphthene	SW8270E	16	57					**5.19**
Acenaphthylene	SW8270E	66	66					4.76
Anthracene	SW8270E	220	1200					**6.81**
Benzo(a)anthracene	SW8270E	110	270					**14.8**
Benzo(a)pyrene	SW8270E	99	210					**11.3**
Benzo(g,h,i)perylene	SW8270E	31	78					**6.52**
Chrysene	SW8270E	110	460					**10.9**
Dibenzo(a,h)anthracene	SW8270E	12	33					**2.31**
Fluoranthene	SW8270E	160	1200					**52.9**
Fluorene	SW8270E	23	79					**11.6**
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					**6.07**
Naphthalene	SW8270E	99	170					4.76
Phenanthrene	SW8270E	100	480					**63.6**
Pyrene	SW8270E	1000	1400					**41.2**
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					**21.7**
Total HPAH (SMS) (U = 0)		960	5300					**168**
Total LPAH (SMS) (U = 0)		370	780					**87.1**
Polycyclic Aromatic Hydrocarbons (µg/kg)								
2-Methylnaphthalene	SW8270E			670	670			20 U
Acenaphthene	SW8270E			500	500			**21.8**
Acenaphthylene	SW8270E			1300	1300			20 U
Anthracene	SW8270E			960	960			**28.6**
Benzo(a)anthracene	SW8270E			1300	1600			**62**
Benzo(a)pyrene	SW8270E			1600	1600			**47.3**

Table 3
Head of Waterway and Whatcom Creek Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI
							Location ID	WC-13-SS
							Sample ID	WC-13-SS-0-12-200909
							Sample Date	9/9/2020
							Depth	0 - 12 cm
							Sample Type	N
							Matrix	SE
							X	1243146.44
							Y	644674.78
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**	
Benzo(g,h,i)perylene	SW8270E			670	720			**27.4**
Chrysene	SW8270E			1400	2800			**45.6**
Dibenzo(a,h)anthracene	SW8270E			230	230			**9.7 J**
Fluoranthene	SW8270E			1700	2500			**222**
Fluorene	SW8270E			540	540			**48.6**
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			**25.5**
Naphthalene	SW8270E			2100	2100			20 U
Phenanthrene	SW8270E			1500	1500			**267**
Pyrene	SW8270E			2600	3300			**173**
Total Benzofluoranthenes (b,j,k) (U = 0)	SW8270E			3200	3600			**91.2**
Total HPAH (SMS) (U = 0)				12000	17000			**704**
Total LPAH (SMS) (U = 0)				5200	5200			**366**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	**66.6 J**
Dioxin Furans (ng/kg)								
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							**0.247 JEMPC**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							**0.458 JEMPC**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**0.703 J**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**2.49**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**1.46**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							**59.3**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							**459**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							**1.58**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							**2.79**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**15.1**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							**95**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							**1.87 EMPC**
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							**0.247 J**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							**0.412 J**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							**0.886 JEMPC**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							**0.56 JEMPC**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							**0.612 J**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							**0.721 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							**11.9 EMPC**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							**0.73 JEMPC**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							**47.6**
Total Tetrachlorodibenzofuran (TCDF)	E1613B							**1.07**
Total Pentachlorodibenzofuran (PeCDF)	E1613B							**12.9**
Total Hexachlorodibenzofuran (HxCDF)	E1613B							**19.9**
Total Heptachlorodibenzofuran (HpCDF)	E1613B							**29.2**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	**2.64 J**

Table 3
Head of Waterway and Whatcom Creek Results Compared to SMS Marine and Regional Background Values

Notes:
Bold = Detected result
TOC in range (0.5% – 3.5%)
Detected concentration is greater than SMS_Marine_SCO_SCUMII screening level
Detected concentration is greater than SMS_Marine_CSL_SCUMII screening level
TOC out of range
Detected concentration is greater than AET_Marine_SCO_SCUMII screening level
Detected concentration is greater than AET_Marine_CSL_SCUMII screening level
Background Levels
Detected concentration is greater than PugetSoundNaturalBackground screening level
Detected concentration is greater than BellinghamB_RegionalBackground screening level
µg/kg: microgram per kilogram
cPAH: carcinogenic polycyclic aromatic hydrocarbon
ft: feet
J: estimated value
HPAH: high-molecular-weight polycyclic aromatic hydrocarbon
LPAH: low-molecular-weight polycyclic aromatic hydrocarbon
mg/kg: milligram per kilogram
ng/kg: nanogram per kilogram
OC: organic carbon normalized
PAH: polycyclic aromatic hydrocarbon
pct: percent
SMS: Sediment Management Standards
TEQ: toxic equivalents quotient
U: compound analyzed, but not detected above detection limit

Table 4
Outfall Surface Sediment Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI
							Location ID	WW-01-SS	WW-02-SS
							Sample ID	WW-01-SS-0-12-200910	WW-02-SS-0-12-200909
							Sample Date	9/10/2020	9/9/2020
							Depth	0 - 12 cm	0 - 12 cm
							Sample Type	N	N
							Matrix	SE	SE
							X	1241195.30	1240602.67
							Y	642476.64	639940.27
Parameter	**Method**	**SMS_Marine_ SCO_SCUMII**	**SMS_Marine_ CSL_SCUMII**	**AET_Marine_ SCO_SCUMII**	**AET_Marine_ CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**		
Conventional Parameters (pct)									
Total organic carbon	SW9060A							**3.09**	**0.33**
Total Solids	SM2540G							**42.47**	**85.26**
Grain Size (pct)									
Gravel	D422							0.1 U	**37**
Sand	D422							**22.3**	**62.2**
Silt	D422							**66.4**	**0.2**
Clay	D422							**11.3**	**0.6**
Metals (mg/kg)									
Antimony	SW6010C							**1.9 J**	**0.506 J**
Arsenic	SW6010C	57	93	57	93			**12.3**	**3.72 J**
Beryllium	SW6010C							**0.454**	**0.13**
Cadmium	SW6010C	5.1	6.7	5.1	6.7			**2.17**	**0.311**
Chromium	SW6010C	260	270	260	270			**69.3**	**36**
Copper	SW6010C	390	390	390	390			**76.9**	**18.4**
Lead	SW6010C	450	530	450	530			**32.4**	**22.7**
Mercury	SW7471B	0.41	0.59	0.41	0.59			**0.352**	**0.0133 J**
Nickel	SW6010C							**86.2**	**17.1**
Selenium	SW6010C							11.1 U	5.57 U
Silver	SW6010C	6.1	6.1	6.1	6.1			**0.128 J**	0.334 U
Thallium	SW6010C							11.1 U	5.57 U
Zinc	SW6010C	410	960	410	960			**183**	**73.2**
Semivolatile Organics (µg/kg)									
2,4-Dimethylphenol	SW8270E	29	29	29	29			99.7 U	100 U
2-Methylphenol (o-Cresol)	SW8270E	63	63	63	63			19.9 U	20 U
4-Methylphenol (p-Cresol)	SW8270E	670	670	670	670			**63.5**	20 U
Pentachlorophenol	SW8270E	360	690	360	690			99.7 UJ	100 U
Phenol	SW8270E	420	1200	420	1200			**16.2 J**	20 U
Polycyclic Aromatic Hydrocarbons (mg/kg-OC)									
2-Methylnaphthalene	SW8270E	38	64					**1.76**	**8.7**
Acenaphthene	SW8270E	16	57					**1.47**	**5.85 J**
Acenaphthylene	SW8270E	66	66					**1.93**	**4.64 J**
Anthracene	SW8270E	220	1200					**6.31**	**12.5**
Benzo(a)anthracene	SW8270E	110	270					**13.9**	**21.5**
Benzo(a)pyrene	SW8270E	99	210					**10.7**	**23.0**
Benzo(g,h,i)perylene	SW8270E	31	78					**3.88 J**	**11.4 J**
Chrysene	SW8270E	110	460					**20.3**	**26.5**
Dibenzo(a,h)anthracene	SW8270E	12	33					**1.68**	**4.33 J**
Fluoranthene	SW8270E	160	1200					**16.3**	**41.5**
Fluorene	SW8270E	23	79					**2.23**	**7.4**
Indeno(1,2,3-c,d)pyrene	SW8270E	34	88					**4.24**	**10.0**
Naphthalene	SW8270E	99	170					**2.33**	**5.39 J**
Phenanthrene	SW8270E	100	480					**8.64**	**61.5**
Pyrene	SW8270E	1000	1400					**30.3**	**48.5**
Total Benzofluoranthenes (b,j,k) (U = 0)		230	450					**25.8**	**33.0**

Table 4
Outfall Surface Sediment Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI
							Location ID	WW-01-SS	WW-02-SS
							Sample ID	WW-01-SS-0-12-200910	WW-02-SS-0-12-200909
							Sample Date	9/10/2020	9/9/2020
							Depth	0 - 12 cm	0 - 12 cm
							Sample Type	N	N
							Matrix	SE	SE
							X	1241195.30	1240602.67
							Y	642476.64	639940.27
Parameter	**Method**	**SMS_Marine_SCO_SCUMII**	**SMS_Marine_CSL_SCUMII**	**AET_Marine_SCO_SCUMII**	**AET_Marine_CSL_SCUMII**	**PugetSound Natural Background**	**BellinghamB_ Regional Background**		
Total HPAH (SMS) (U = 0)		960	5300					**127 J**	**220 J**
Total LPAH (SMS) (U = 0)		370	780					**22.9**	**97.4 J**
Polycyclic Aromatic Hydrocarbons (µg/kg)									
2-Methylnaphthalene	SW8270E			670	670			**54.4**	**28.7**
Acenaphthene	SW8270E			500	500			**45.4**	**19.3 J**
Acenaphthylene	SW8270E			1300	1300			**59.7**	**15.3 J**
Anthracene	SW8270E			960	960			**195**	**41.4**
Benzo(a)anthracene	SW8270E			1300	1600			**428**	**71.1**
Benzo(a)pyrene	SW8270E			1600	1600			**331**	**75.8**
Benzo(g,h,i)perylene	SW8270E			670	720			**120**	**37.7**
Chrysene	SW8270E			1400	2800			**626**	**87.3**
Dibenzo(a,h)anthracene	SW8270E			230	230			**51.8**	**14.3 J**
Fluoranthene	SW8270E			1700	2500			**505**	**137**
Fluorene	SW8270E			540	540			**69**	**24.5**
Indeno(1,2,3-c,d)pyrene	SW8270E			600	690			**131**	**33.1**
Naphthalene	SW8270E			2100	2100			**72**	**17.8 J**
Phenanthrene	SW8270E			1500	1500			**267**	**203**
Pyrene	SW8270E			2600	3300			**935**	**160**
Total Benzofluoranthenes (b,j,k) (U = 0)				3200	3600			**798**	**109**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 0)						21	86	**478**	**99.4 J**
Total HPAH (SMS) (U = 0)				12000	17000			**3926 J**	**725.3 J**
Total LPAH (SMS) (U = 0)				5200	5200			**708**	**321.3 J**
Dioxin Furans (ng/kg)									
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							**0.756 J**	**0.338 J**
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							**5.86**	**1.83**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**11.3**	**2.99**
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**40.4**	**14.5**
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**22.5**	**6.71**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							**1240**	**447**
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	E1613B							**9460 J**	**3990**
Total Tetrachlorodibenzo-p-dioxin (TCDD)	E1613B							**302**	**2.45**
Total Pentachlorodibenzo-p-dioxin (PeCDD)	E1613B							**229**	**8.51**
Total Hexachlorodibenzo-p-dioxin (HxCDD)	E1613B							**964**	**75**
Total Heptachlorodibenzo-p-dioxin (HpCDD)	E1613B							**3010**	**751**
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	E1613B							**21 J**	0.115 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							**2.99 J**	**1.07**
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	E1613B							**2.95**	**1.3**
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							**9.56 J**	**6.09**
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							**4.56 J**	**1.98**
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	E1613B							**3.8 J**	**2.5**
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	E1613B							**4.43 J**	**2.96 J**
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	E1613B							**165**	**78.8**
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	E1613B							**9.92**	**4.36**
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	E1613B							**532 J**	**250**
Total Tetrachlorodibenzofuran (TCDF)	E1613B							**56.7**	**7.48**

Table 4

Outfall Surface Sediment Results Compared to SMS Marine and Regional Background Values

							Task	WWP2_PRDI	WWP2_PRDI
							Location ID	WW-01-SS	WW-02-SS
							Sample ID	WW-01-SS-0-12-200910	WW-02-SS-0-12-200909
							Sample Date	9/10/2020	9/9/2020
							Depth	0 - 12 cm	0 - 12 cm
							Sample Type	N	N
							Matrix	SE	SE
							X	1241195.30	1240602.67
							Y	642476.64	639940.27
Parameter	Method	SMS_Marine_SCO_SCUMII	SMS_Marine_CSL_SCUMII	AET_Marine_SCO_SCUMII	AET_Marine_CSL_SCUMII	PugetSound Natural Background	BellinghamB_ Regional Background		
Total Pentachlorodibenzofuran (PeCDF)	E1613B							**91.6**	**27.8**
Total Hexachlorodibenzofuran (HxCDF)	E1613B							**257**	**125**
Total Heptachlorodibenzofuran (HpCDF)	E1613B							**597**	**311**
Total Dioxin/Furan TEQ 2005 (Mammal) (U = 0)						4	15	**36.5 J**	**12.9 J**

Notes:

Bold = Detected result

Preliminary unvalidated data - subject to change

TOC in range (0.5% - 3.5%)

Detected concentration is greater than SMS_Marine_SCO_SCUMII screening level

Detected concentration is greater than SMS_Marine_CSL_SCUMII screening level

TOC out of range

Detected concentration is greater than AET_Marine_SCO_SCUMII screening level

Detected concentration is greater than AET_Marine_CSL_SCUMII screening level

Background Levels

Detected concentration is greater than PugetSoundNaturalBackground screening level

Detected concentration is greater than BellinghamB_RegionalBackground screening level

µg/kg: microgram per kilogram

cm: centimeter

cPAH: carcinogenic polycyclic aromatic hydrocarbon

EMPC: estimated maximum potential concentration

HPAH: high-molecular-weight polycyclic aromatic hydrocarbon

J: estimated value

LPAH: low-molecular-weight polycyclic aromatic hydrocarbon

mg/kg: milligram per kilogram

PAH: polycyclic aromatic hydrocarbon

pct: percent

SMS: Sediment Management Standards

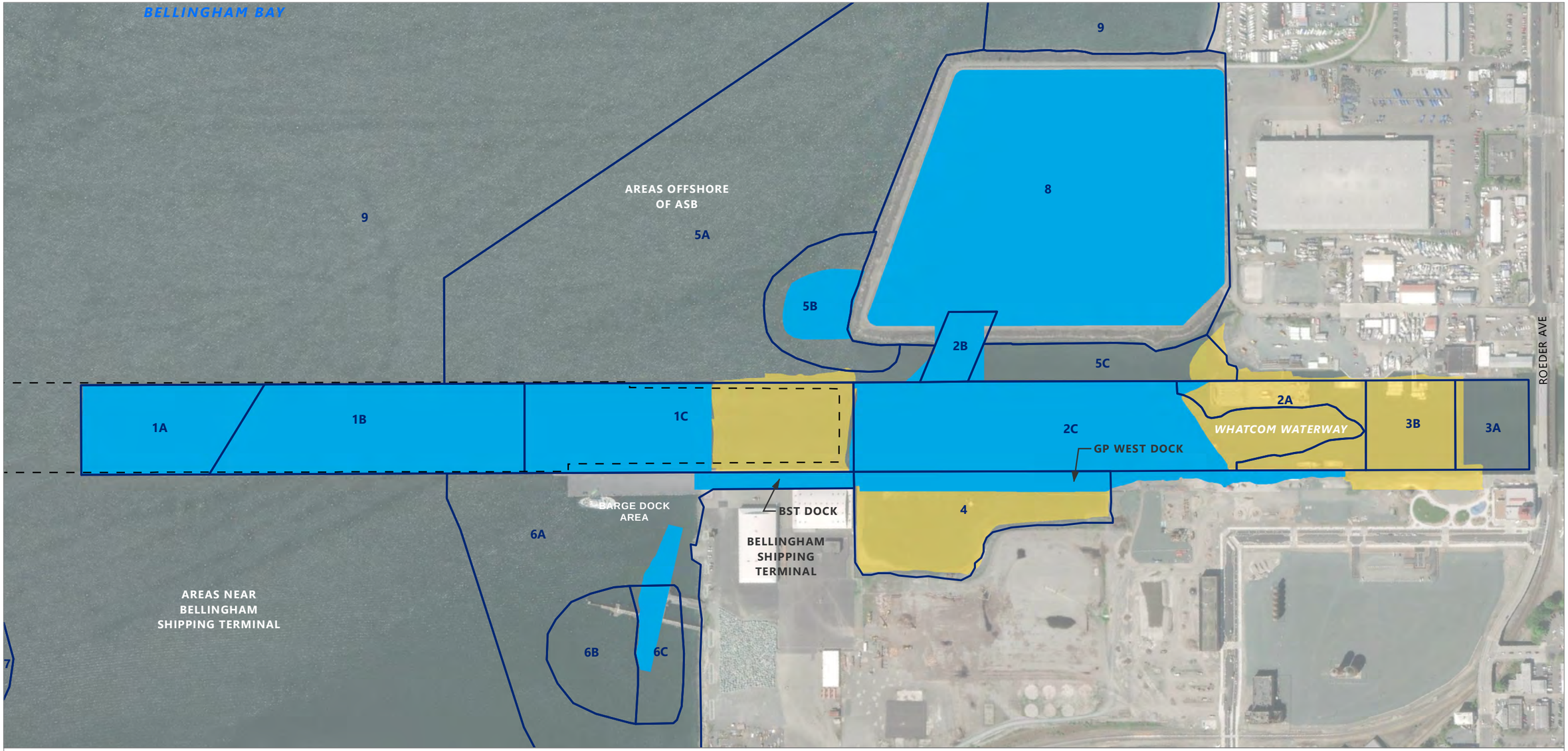
TEQ: toxic equivalents quotient

U: compound analyzed, but not detected above detection limit

Table 5
Physical Testing Program Summary

Sediment Core Location	Sample Depth Below Mudline	Number of Samples Submitted for Physical Testing					
		Moisture Content of Soil and Rock	Atterberg Limits	Particle/Grain Size Analsis	Specific Gravity	Density/Unit Weight	Moisture, Ash, and Organic Matter
8-7-VC	0.0 – 9.0	X	X	X		X	
8-8-VC	0.0 – 9.0	X			X		
8-9-VC	0.0 – 9.0	X	X		X		X
8-10-VC	0.0 – 6.3	X		X		X	
8-10-VC	6.3 – 7.6	X		X	X		
8-10-VC	7.6 – 9.0	X	X	X			
8-11-VC	0.0 – 7.0	X		X			
8-11-VC	7.0 – 8.3	X	X				
8-11-VC	8.3 – 9.6	X	X	X			X
8-12-VC	0.0 – 8.1	X	X		X		
8-13-VC	0.0 – 6.9	X	X				
8-13-VC	7.0 – 9.7	X		X			
8-14-VC	0.0 – 8.25	X			X		
8-14-VC	8.25 – 9.4	X	X	X			X
8-15-VC	0.0 – 8.0	X	X	X			X
8-15-VC	8.0 – 9.0	X			X	X	X

Figures



LEGEND:

- Sediment Site Unit
- Federal Navigation Channel
- Planned Phase 2 Work Areas
- Cleanup of Phase 1 Areas Completed

NOTES:

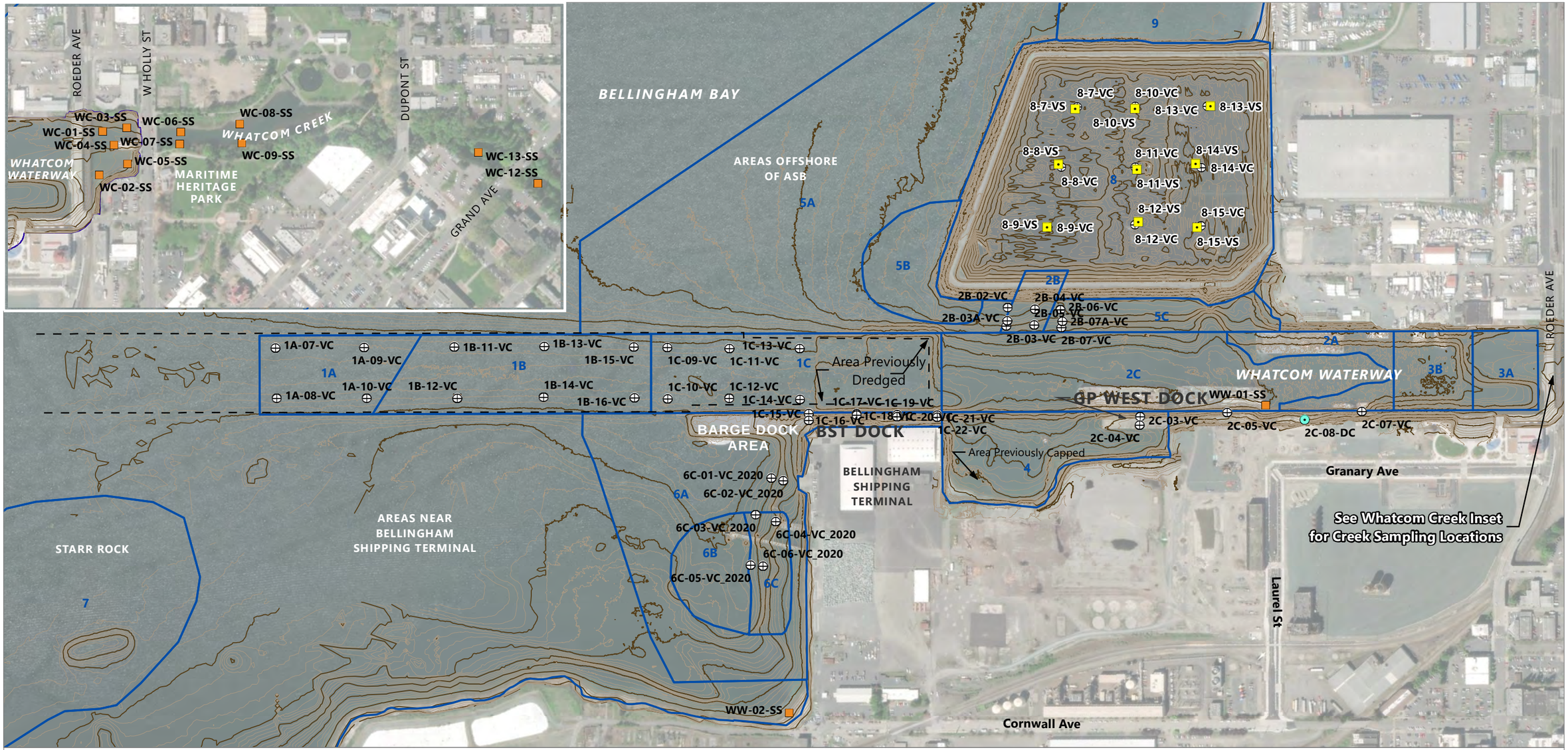
1. Site Units are shown based on those in Figure 2-3 Cleanup Action Plan, Whatcom Waterway Site, September 2007. Unit 9 boundary updated based on PRDI findings. Final Phase 1 and Phase 2 work areas are developed during detailed engineering design and may extend outside of the site units as defined in the CAP.
2. Horizontal datum: Washington State Plane North, NAD 83 U.S. Survey Feet.
3. Unit 2B was established in the Cleanup Action Plan based on the anticipated marina access channel location. This location will be adjusted during final design.

0 400
Feet

Publish Date: 2021/04/23, 3:46 PM | User: adowell
Filepath: \\orcas\gis\Jobs\Port_of_Bellingham_0007\Whatcom_Waterway_Ph2\Maps\PRDI_Work_Plan_Addendum_3_2020\AQ_WP_fig1-1_Planned_Work_Areas.mxd

ANCHOR QEA

Figure 1-1
Planned Work Areas
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



LEGEND:

- Sediment Site Unit
- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour

Actual Sample Location

- Surface Grab
- Push Core (Manual)
- Vibracore
- ASB Vane Shear

NOTES:

1. Site Units are shown based on those in Figure 2-3 Cleanup Action Plan, Whatcom Waterway Site, September 2007. Unit 9 boundary updated based on PRDI findings.
2. Horizontal datum: Washington State Plane North, NAD 83 U.S. Survey Feet.
3. Unit 2B was established in the Cleanup Action Plan based on the anticipated marina access channel location. This location will be adjusted during final design.
4. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019.
5. Aerial imagery sourced from Esri streaming service, 2019.

0 600
Feet

Publish Date: 2021/04/01, 1:35 PM | User: adowell
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ANCHOR QEA

Figure 2-1
Sample Location Overview
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas

LEGEND:

- Sediment Site Unit
- Federal Navigation Channel
- Jet Probe Survey Transect

Proposed Survey Type

- Jet Probe (Note 4)
- Under-Pier Surveys (Note 5)
- Eelgrass and Macroalgae

NOTES:

1. Site Units are shown based on those in Figure 2-3 Cleanup Action Plan, Whatcom Waterway Site, September 2007. Unit 9 boundary updated based on PRDI findings.
2. Horizontal datum: Washington State Plane North, NAD 83 U.S. Survey Feet.
3. Unit 2B was established in the Cleanup Action Plan based on the anticipated marina access channel location. This location will be adjusted during final design.
4. Jet probing conducted within units 1C Under-pier, 2C Under-pier, and 5B.
5. Additional under-pier survey data was collected to fill bathymetry data gaps. Additional intertidal data was collected by hand or lead line along approximate 50-foot transects within these under-pier areas.
6. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019.
7. Aerial imagery sourced from Esri streaming service, 2019.

0 400
Feet

Publish Date: 2021/04/01, 1:35 PM | User: adowell
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Figure 3-1
Eelgrass, Jet Probing, and Under-Pier Survey Locations
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas

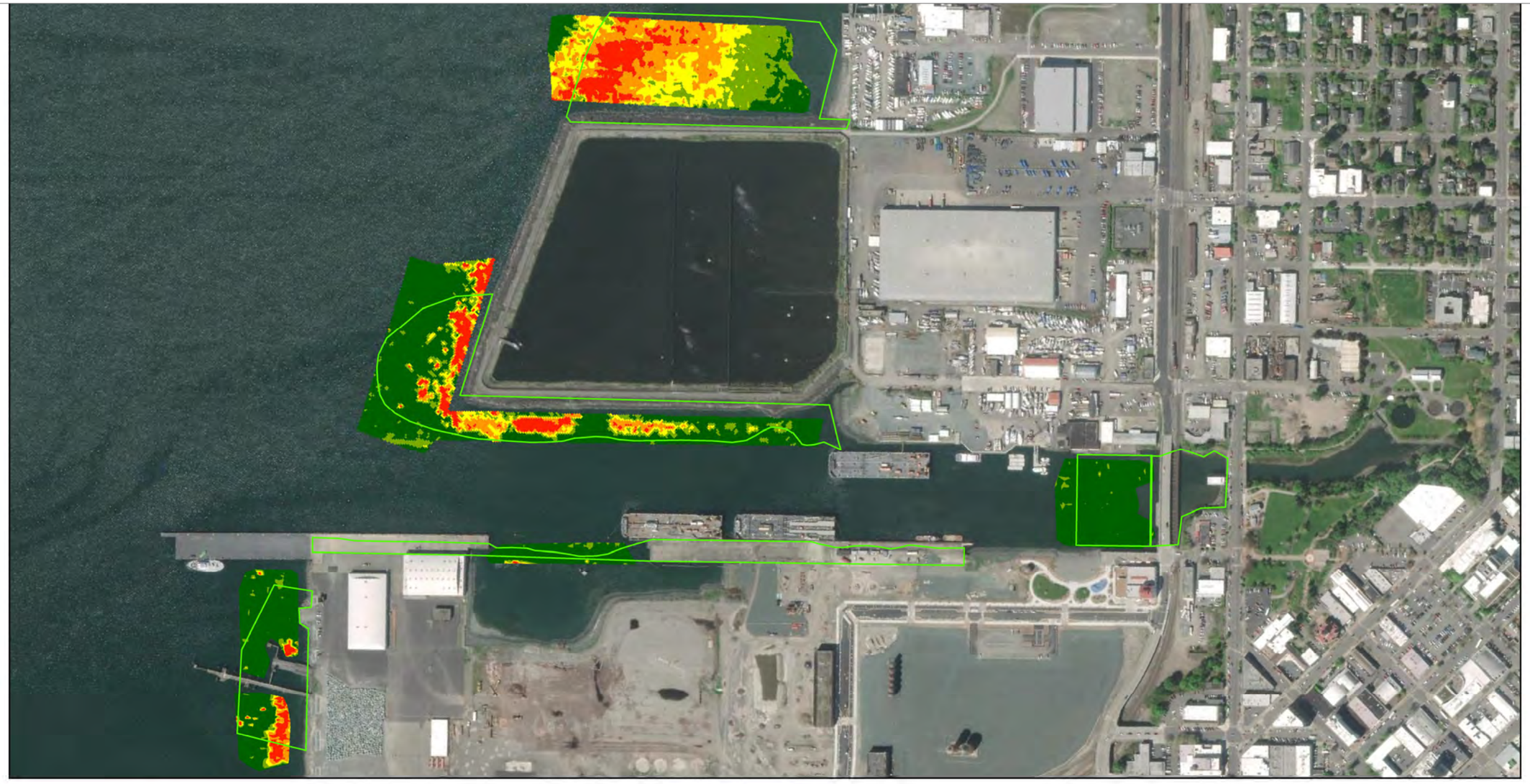

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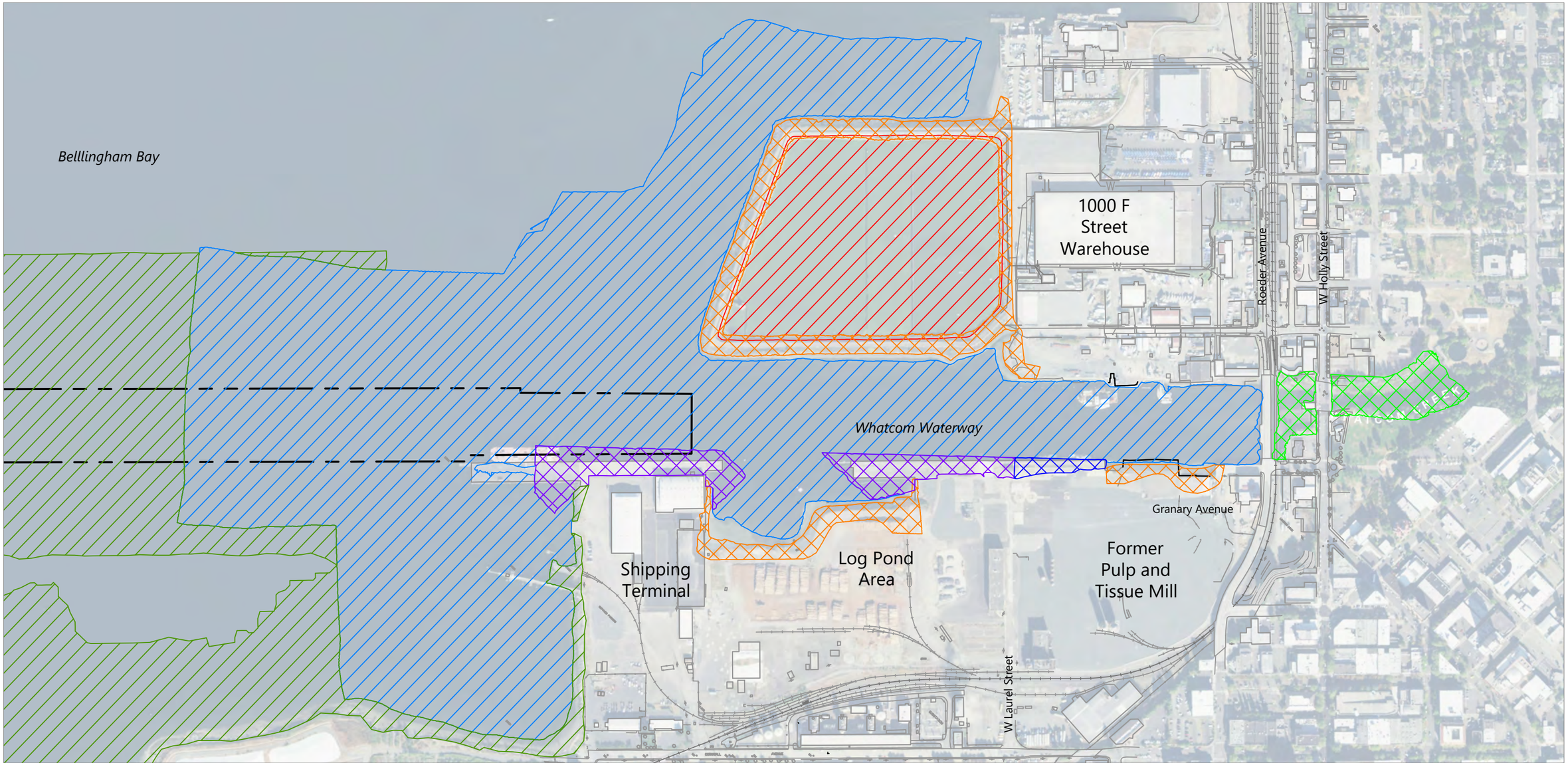
Figure 3-2
Vegetation Sonar Results - Plant Height
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



SOURCE: Aerial image from NAIP, dated 2017.
HORIZONTAL DATUM: Washington State Plane North, NAD83, U.S. Feet.
NOTES:
1. This set of figures are for planning purposes only,
2. Some upland and shoreline features shown hereon may not represent current conditions and are sourced from unrelated, earlier work products. These are included for convenience only.

LEGEND:

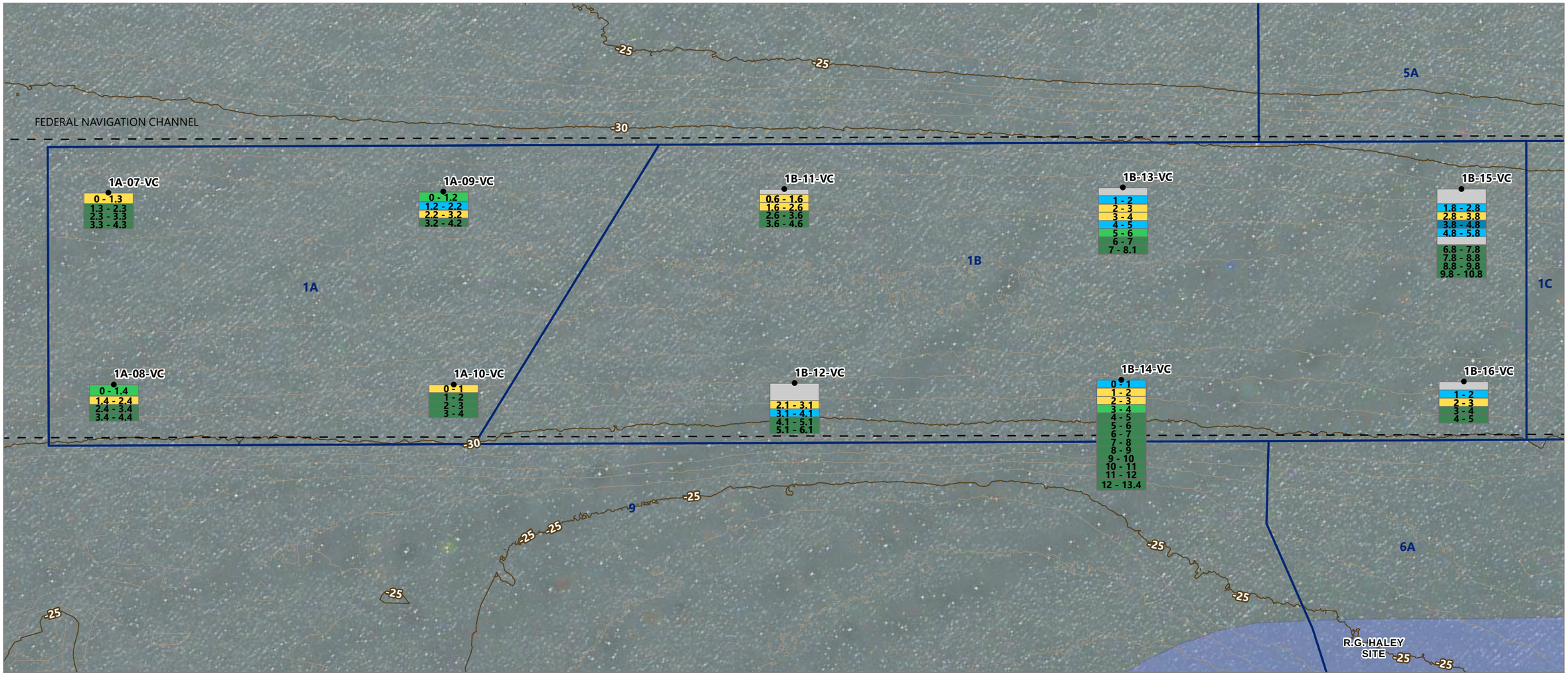
- Federal Navigation Channel
- Multi-Beam Bathymetric Survey Coverage (NW Hydro, October 2019)
- Single-Beam Bathymetric Survey Coverage (NW Hydro, November 2019)
- LiDAR Topographic Survey Coverage (Wilson, November 2019 and February 2020)
- Under-Pier Bathymetric Survey Coverage (Wilson, July-September 2020)
- Single-Beam Bathymetric Survey Coverage (Wilson, February 2020)
- Historical Multi-Beam Bathymetric Survey Coverage (Wilson, 2008)
- Historical Survey Coverage (Wilson, 2007)

0 500
Feet

Publish Date: 2021/05/11 11:12 AM | User: chewett
Filepath: K:\Projects\0007-Port of Bellingham\Whatcom Waterway Phase 2 Cleanup\0007-RP-022 (Bathy Overview).dwg Figure 3-3

ANCHOR QEA

Figure 3-3
Survey Coverage Map
PRDI Data Report
Whatcom Waterway Cleanup - Phase 2 Site Areas



LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

Mercury Result (mg/kg)

- 0 - 0.20
- 0.20 - 0.41
- 0.41 - 0.59
- 0.59 - 1.20
- 1.20 - 12.00
- 12+
- No Result

Mercury (mg/kg)
SCO = 0.41
CSL = 0.59
Natural Background = 0.2

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 180
Feet

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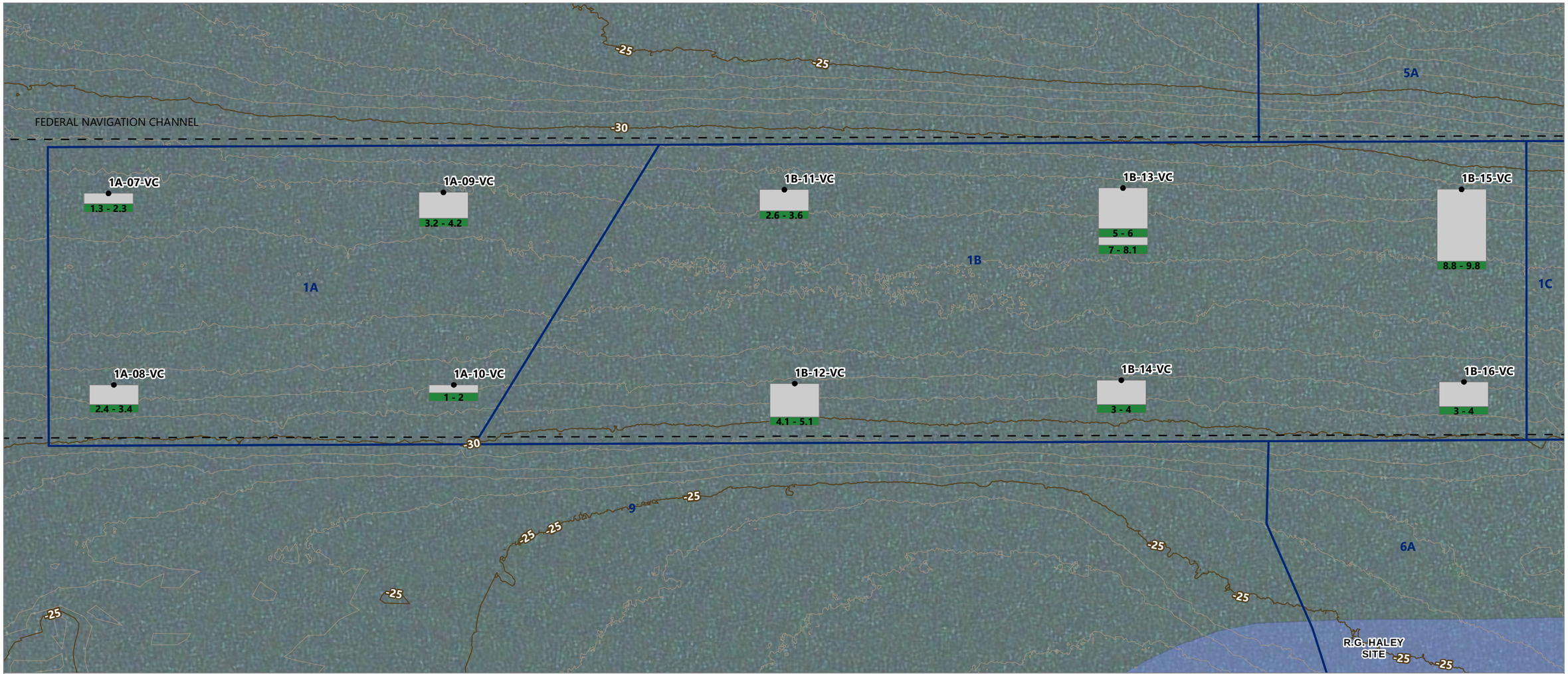
Figure 4-1a
Units 1A and 1B Core Sample Mercury Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

Dioxin/Furan Result (ng/kg)

- 0 - 4
- 4 - 15
- 15 - 25
- 25 - 100
- 100 +
- No Result

Total Dioxin/Furan TEQ 2005 (ng/kg)
NaturalBackground = 4
RegionalBackground = 15

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 180
Feet

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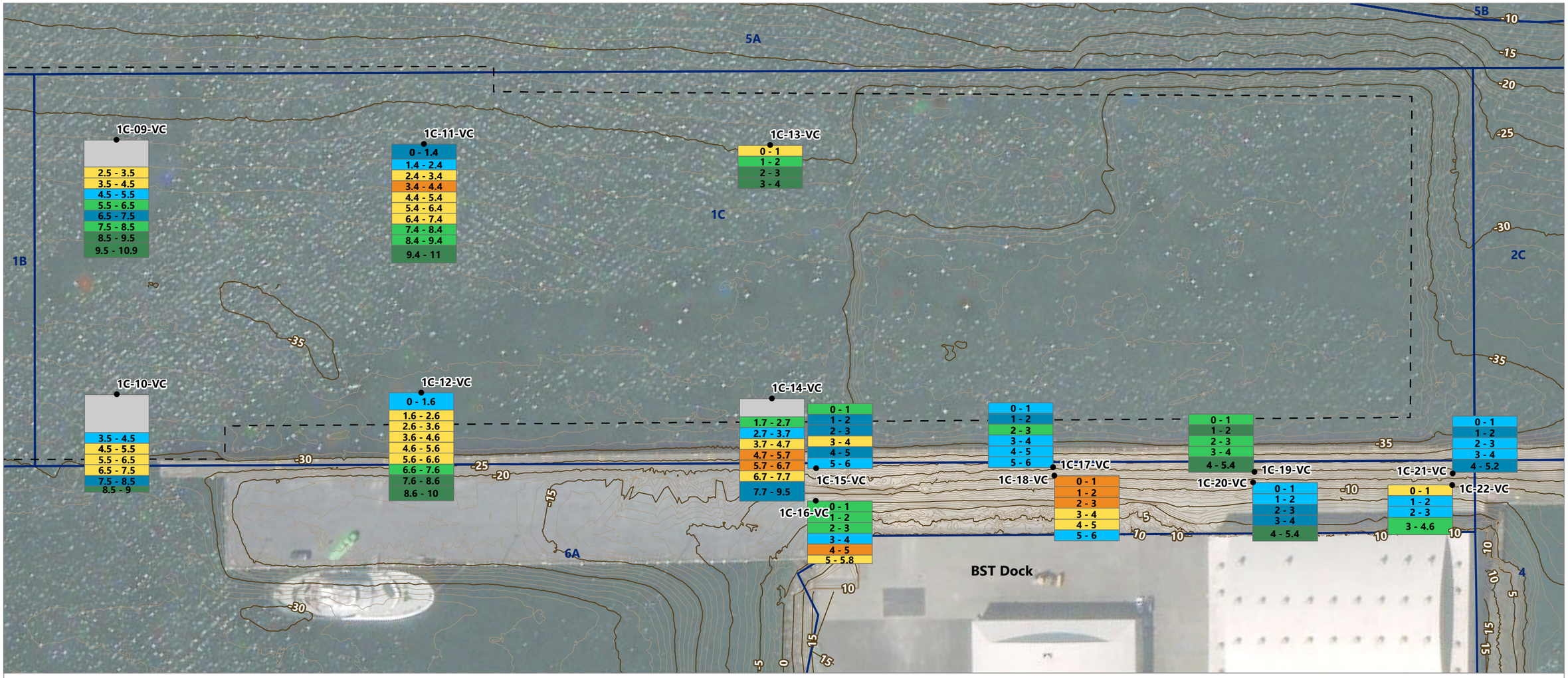
ANCHOR QEA

Figure 4-1b
Units 1A and 1B Core Sample Dioxin/Furan Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

Mercury Result (mg/kg)

- 0 - 0.20
- 0.20 - 0.41
- 0.41 - 0.59
- 0.59 - 1.20
- 1.20 - 12.00
- 12+
- No Result

Mercury (mg/kg)
SCO = 0.41
CSL = 0.59
Natural Background = 0.2

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 140
Feet

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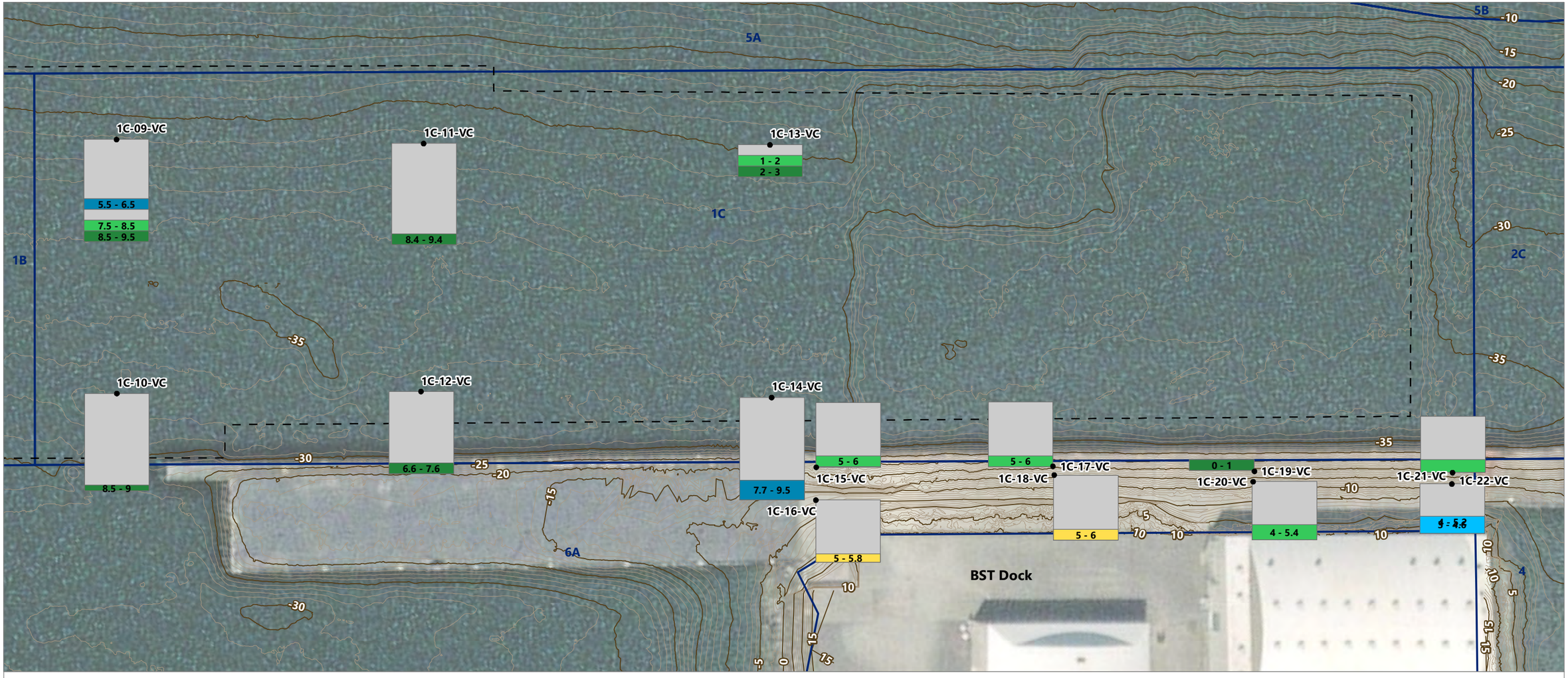
ANCHOR QEA

Figure 4-2a
Unit 1C Core Sample Mercury Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- Stormwater Outfall
- Grab Sample
- Core Sample

Dioxin/Furan Result (ng/kg)

- 0 - 4
- 4 - 15
- 15 - 25
- 25 - 100
- 100 +
- No Result

Total Dioxin/Furan TEQ 2005 (ng/kg)
NaturalBackground = 4
RegionalBackground = 15

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 140
Feet

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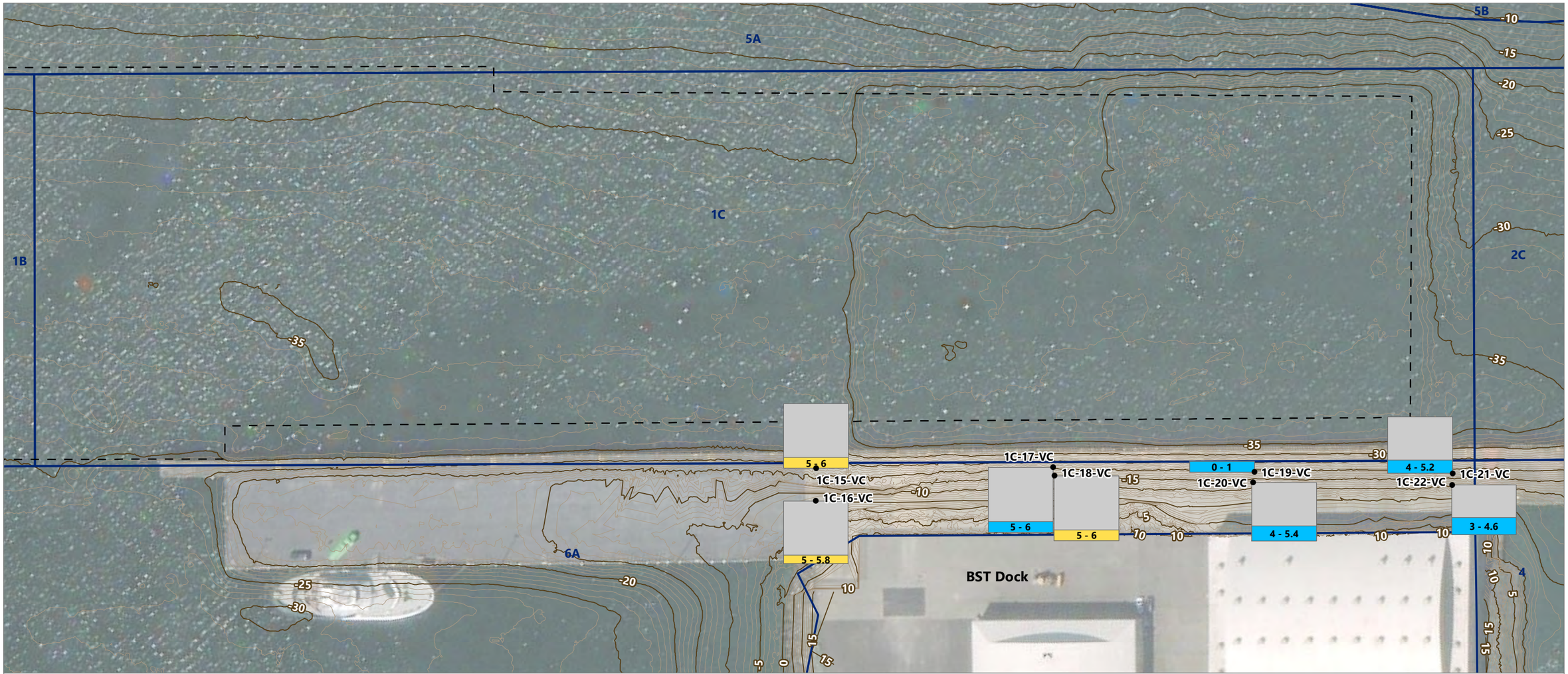
ANCHOR QEA

Figure 4-2b
Unit 1C Core Sample Dioxin/Furan Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

cPAH Result (ug/kg)

- 0 - 21
- 21 - 86
- 86 - 100
- 100 - 1000
- 1000 +
- No Result

cPAH (µg/kg)
Natural Background = 21
Regional Background = 86

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 140
Feet

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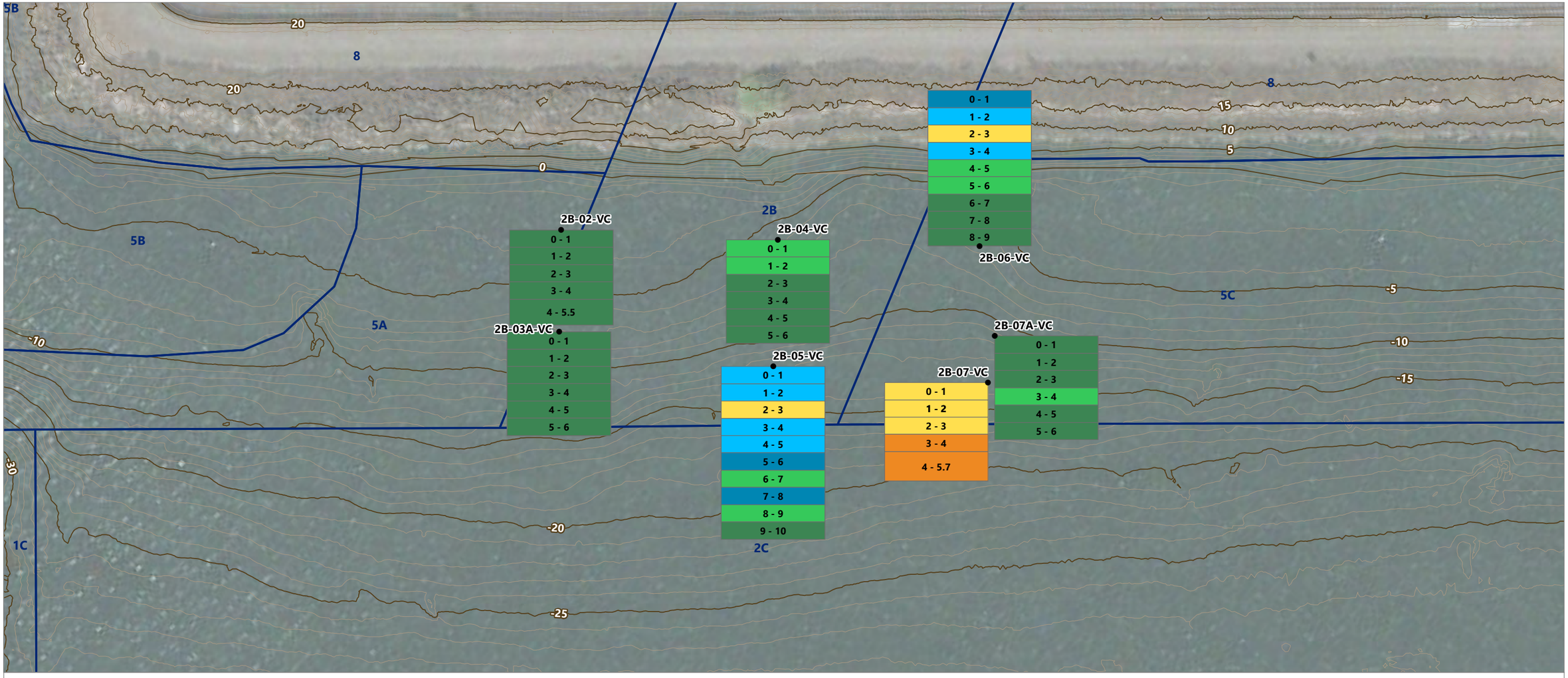
ANCHOR QEA

Figure 4-2c
Unit 1C Core Sample cPAH Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

Mercury Result (mg/kg)

- 0 - 0.20
- 0.20 - 0.41
- 0.41 - 0.59
- 0.59 - 1.20
- 1.20 - 12.00
- 12+
- No Result

Mercury (mg/kg)
SCO = 0.41
CSL = 0.59
Natural Background = 0.2

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 80
Feet

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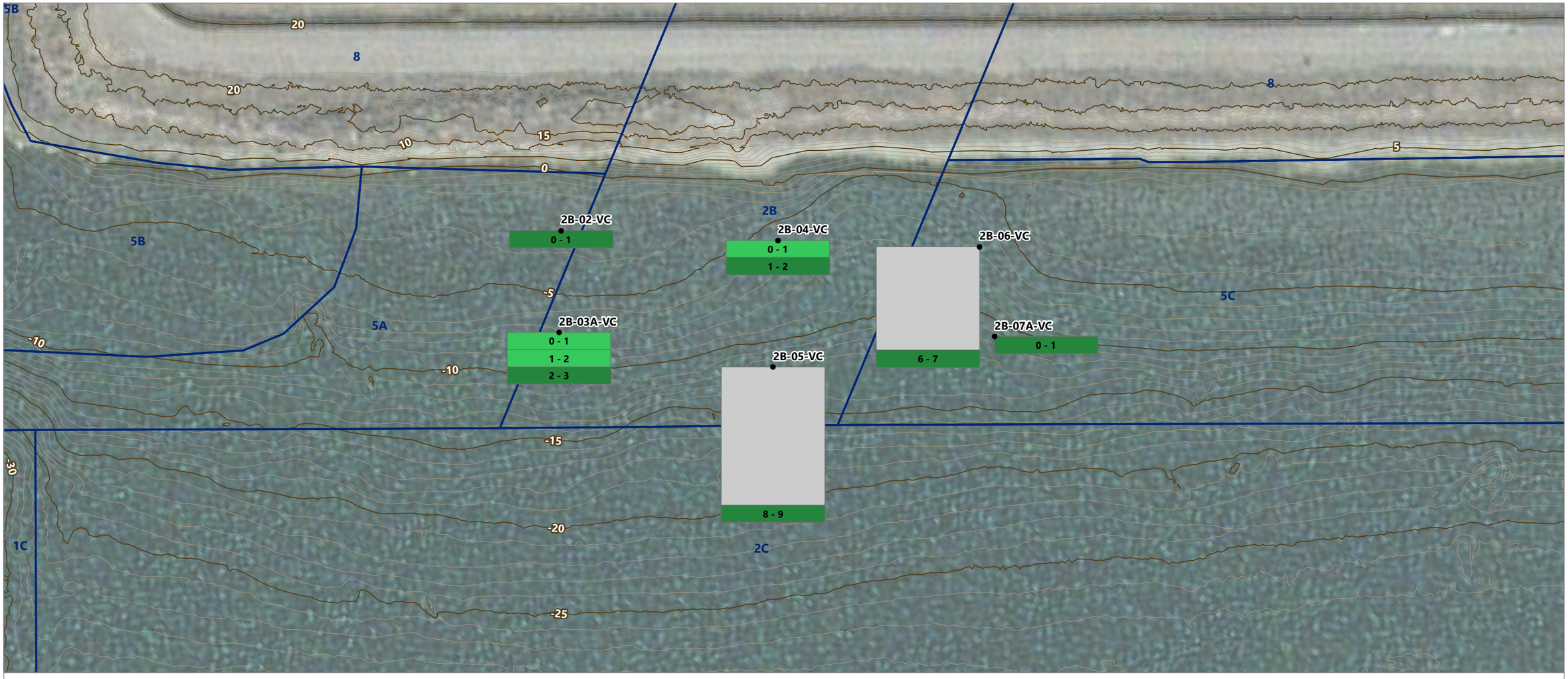
ANCHOR QEA

Figure 4-3a
Unit 2B and Vicinity Core Sample Mercury Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- Stormwater Outfall
- Grab Sample
- Core Sample

Dioxin/Furan Result (ng/kg)

- 0 - 4
- 4 - 15
- 15 - 25
- 25 - 100
- 100 +
- No Result

Total Dioxin/Furan TEQ 2005 (ng/kg)
NaturalBackground = 4
RegionalBackground = 15

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 80
Feet

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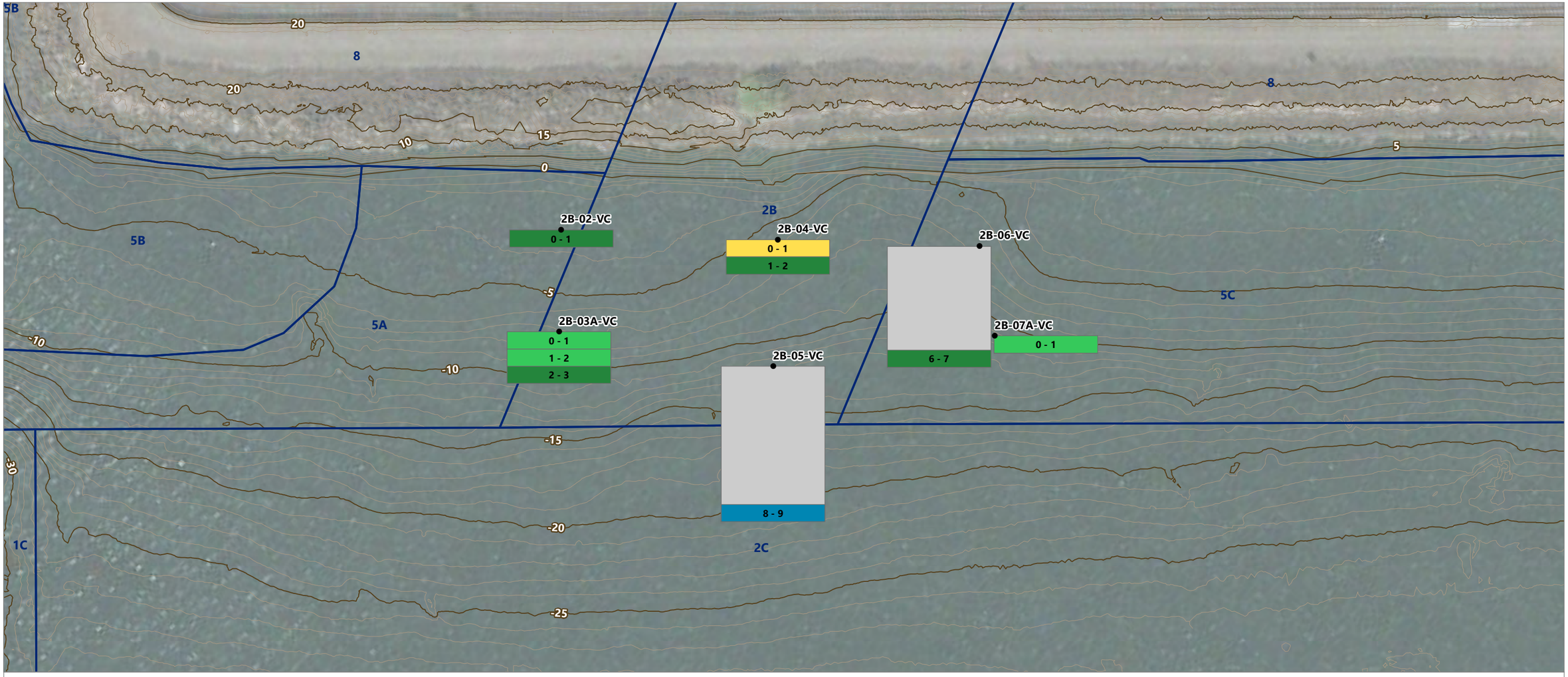
ANCHOR QEA

Figure 4-3b
Unit 2B and Vicinity Core Sample Dioxin/Furan Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

cPAH Result (ug/kg)

- 0 - 21
- 21 - 86
- 86 - 100
- 100 - 1000
- 1000 +
- No Result

cPAH (µg/kg)
Natural Background = 21
Regional Background = 86

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 80
Feet

Publish Date: 2021/04/21, 3:40 PM | User: adowell
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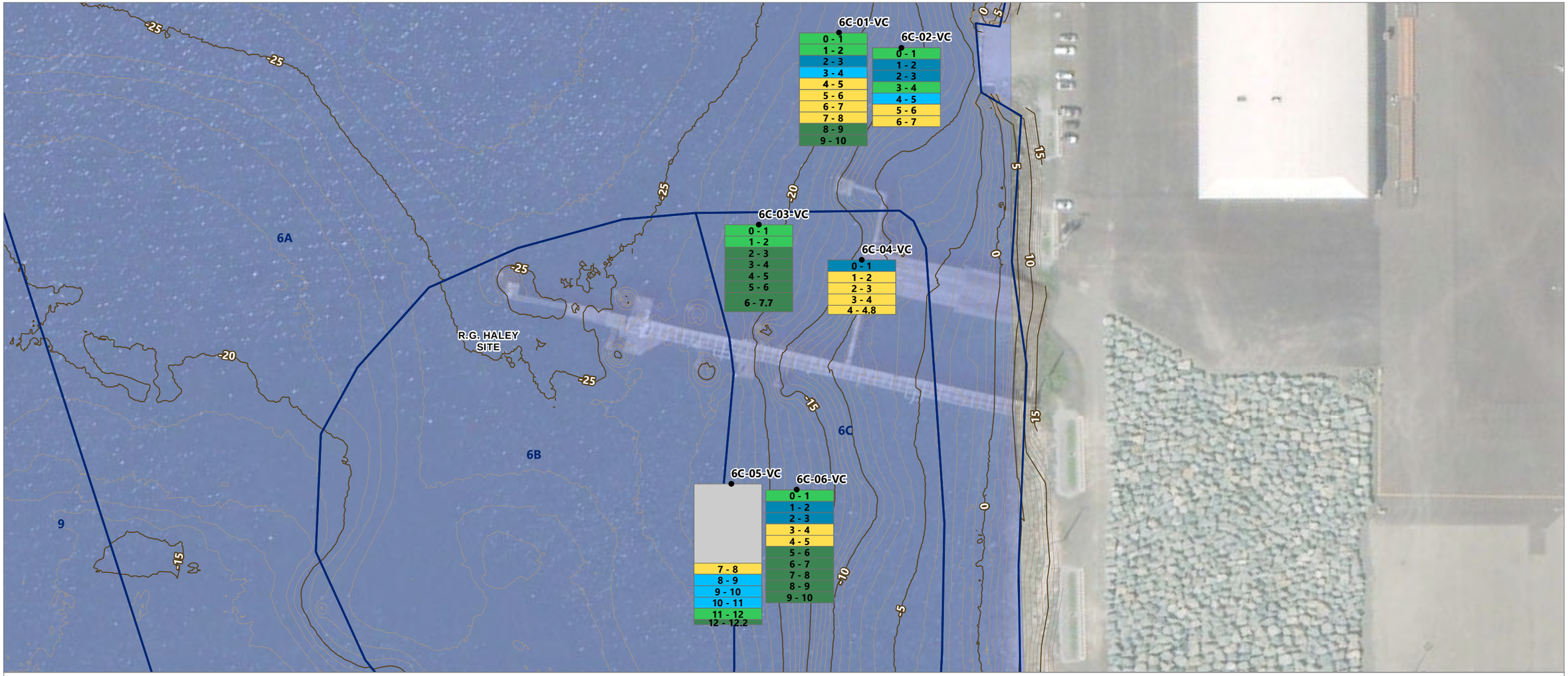
Figure 4-3c
Unit 2B and Vicinity Core Sample cPAH Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

Mercury Result (mg/kg)

- 0 - 0.20
- 0.20 - 0.41
- 0.41 - 0.59
- 0.59 - 1.20
- 1.20 - 12.00
- 12+
- No Result

Mercury (mg/kg)
SCO = 0.41
CSL = 0.59
Natural Background = 0.2

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 120
Feet

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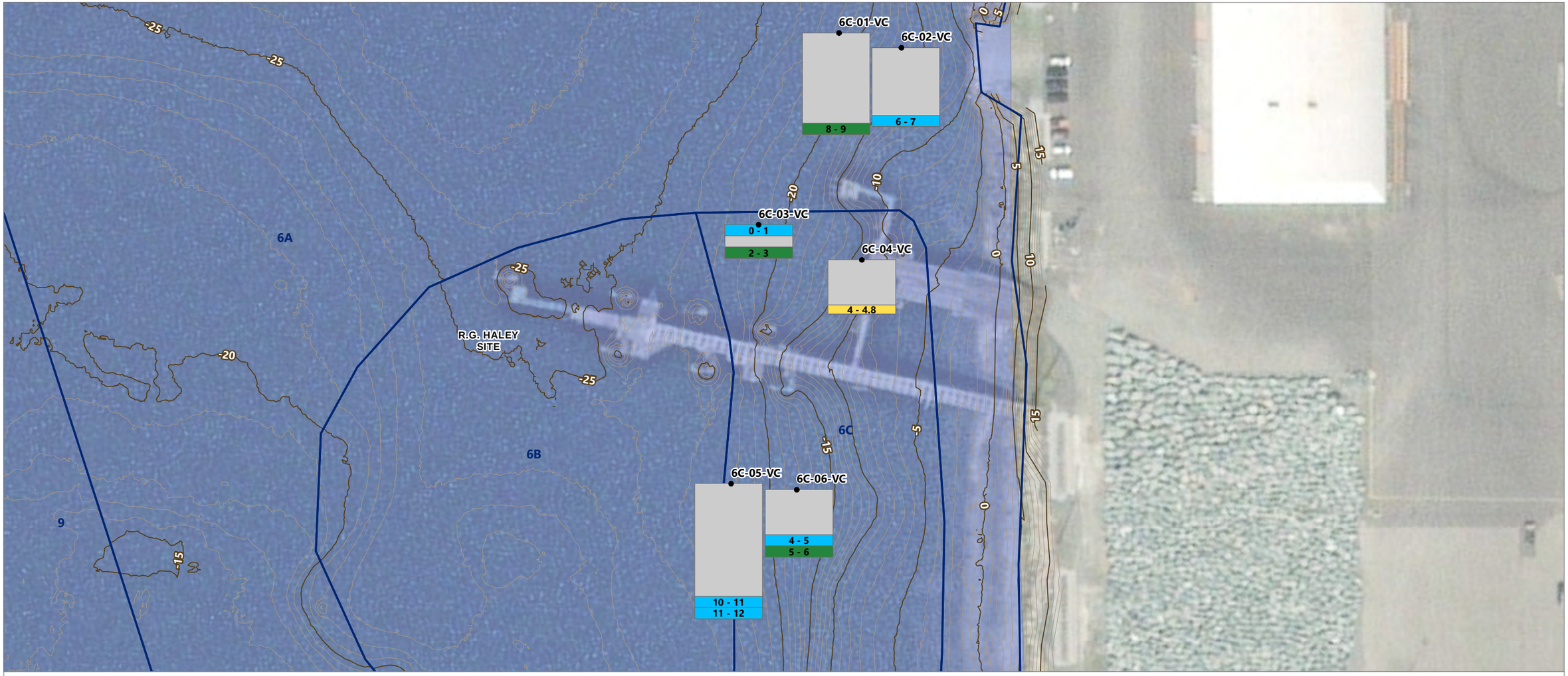
ANCHOR QEA

Figure 4-4a
Unit 6C Core Sample Mercury Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

Dioxin/Furan Result (ng/kg)

- 0 - 4
- 4 - 15
- 15 - 25
- 25 - 100
- 100 +
- No Result

Total Dioxin/Furan TEQ 2005 (ng/kg)
NaturalBackground = 4
RegionalBackground = 15

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 140
Feet

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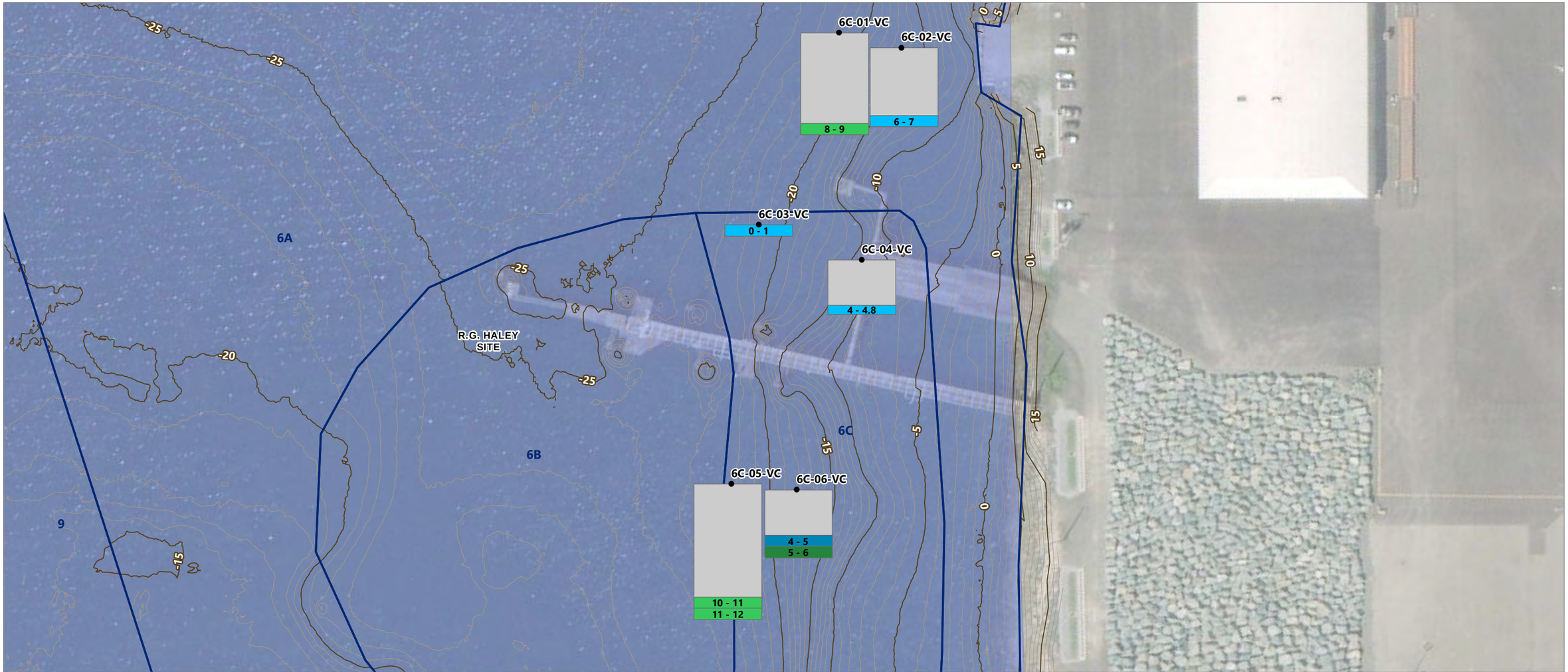
ANCHOR QEA

Figure 4-4b
Unit 6C Core Sample Dioxin/Furan Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

cPAH Result (ug/kg)

- 0 - 21
- 21 - 86
- 86 - 100
- 100 - 1000
- 1000 +
- No Result

cPAH (µg/kg)
Natural Background = 21
Regional Background = 86

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 140
Feet

Publish Date: 2021/04/21, 3:40 PM | User: adowell
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ANCHOR QEA

Figure 4-4c
Unit 6C Core Sample cPAH Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas

LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

Mercury Result (mg/kg)

- 0 - 0.20
- 0.20 - 0.41
- 0.41 - 0.59
- 0.59 - 1.20
- 1.20 - 12.00
- 12+
- No Result

Mercury (mg/kg)
SCO = 0.41
CSL = 0.59
Natural Background = 0.2

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 140
Feet

Publish Date: 2021/04/21, 3:41 PM | User: adowell
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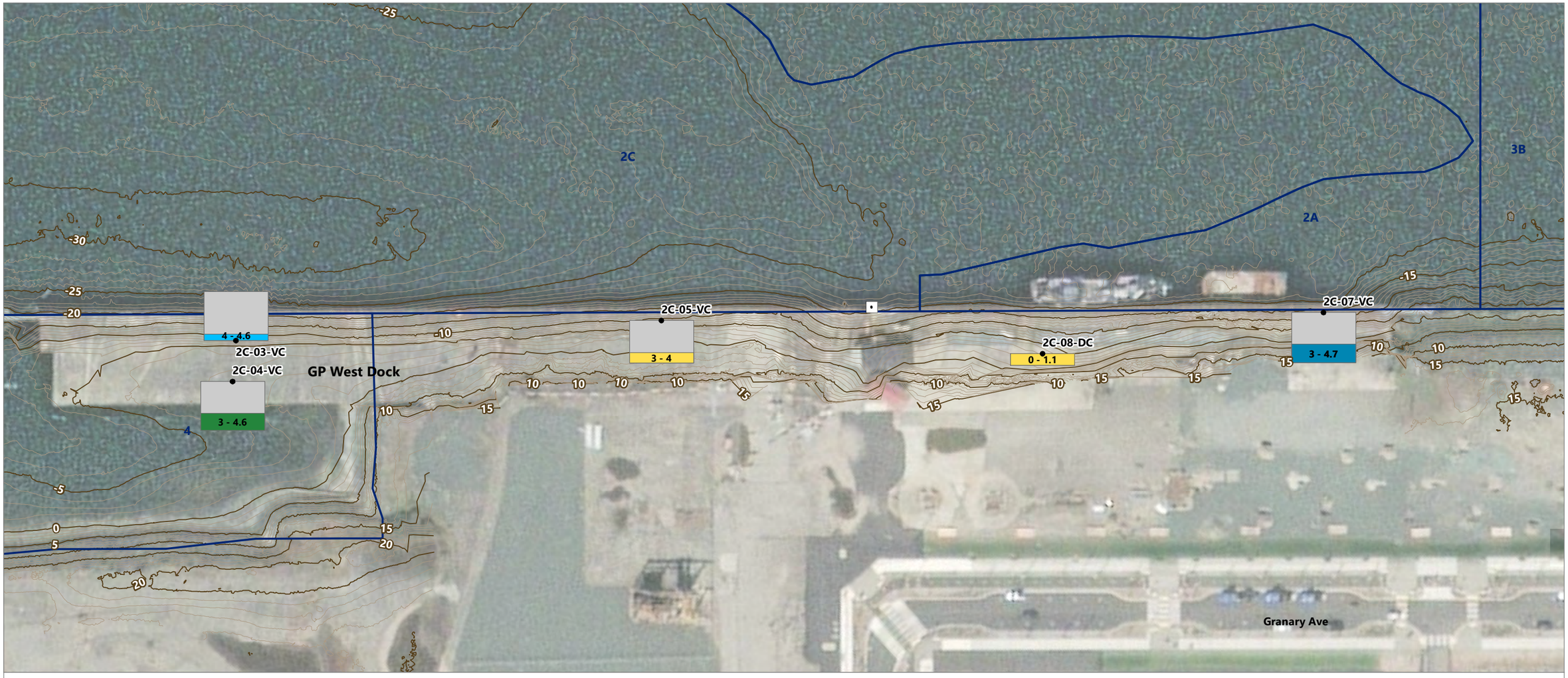
ANCHOR QEA

Figure 4-5a
Units 2C and 4 Core Sample Mercury Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- Stormwater Outfall
- Grab Sample
- Core Sample

Dioxin/Furan Result (ng/kg)

- 0 - 4
- 4 - 15
- 15 - 25
- 25 - 100
- 100 +
- No Result

Total Dioxin/Furan TEQ 2005 (ng/kg)
NaturalBackground = 4
RegionalBackground = 15

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 140
Feet

Publish Date: 2021/05/11, 1:03 PM | User: jsfox
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Figure 4-5b
Units 2C and 4 Core Sample Dioxin/Furan Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas

LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

cPAH Result (ug/kg)

- 0 - 21
- 21 - 86
- 86 - 100
- 100 - 1000
- 1000 +
- No Result

cPAH (µg/kg)
Natural Background = 21
Regional Background = 86

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 140
Feet

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Figure 4-5c
Units 2C and 4 Core Sample cPAH Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas

LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

Mercury Result (mg/kg)

- 0 - 0.20
- 0.20 - 0.41
- 0.41 - 0.59
- 0.59 - 1.20
- 1.20 - 12.00
- 12+
- No Result

Mercury (mg/kg)
SCO = 0.41
CSL = 0.59
Natural Background = 0.2

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 180
Feet

Publish Date: 2021/04/21, 3:41 PM | User: adowell
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Figure 4-6a
Head of Waterway and Whatcom Creek Grab Sample Mercury Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas

LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- Stormwater Outfall
- Grab Sample
- Core Sample

Dioxin/Furan Result (ng/kg)

- 0 - 4
- 4 - 15
- 15 - 25
- 25 - 100
- 100 +
- No Result

Total Dioxin/Furan TEQ 2005 (ng/kg)
NaturalBackground = 4
RegionalBackground = 15

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 200
Feet

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Figure 4-6b
Head of Waterway and Whatcom Creek Grab Sample Dioxin/Furan Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas

LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

cPAH Result (ug/kg)

- 0 - 21
- 21 - 86
- 86 - 100
- 100 - 1000
- 1000 +
- No Result

cPAH (µg/kg)
Natural Background = 21
Regional Background = 86

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 200
Feet

Publish Date: 2021/04/21, 3:41 PM | User: adowell
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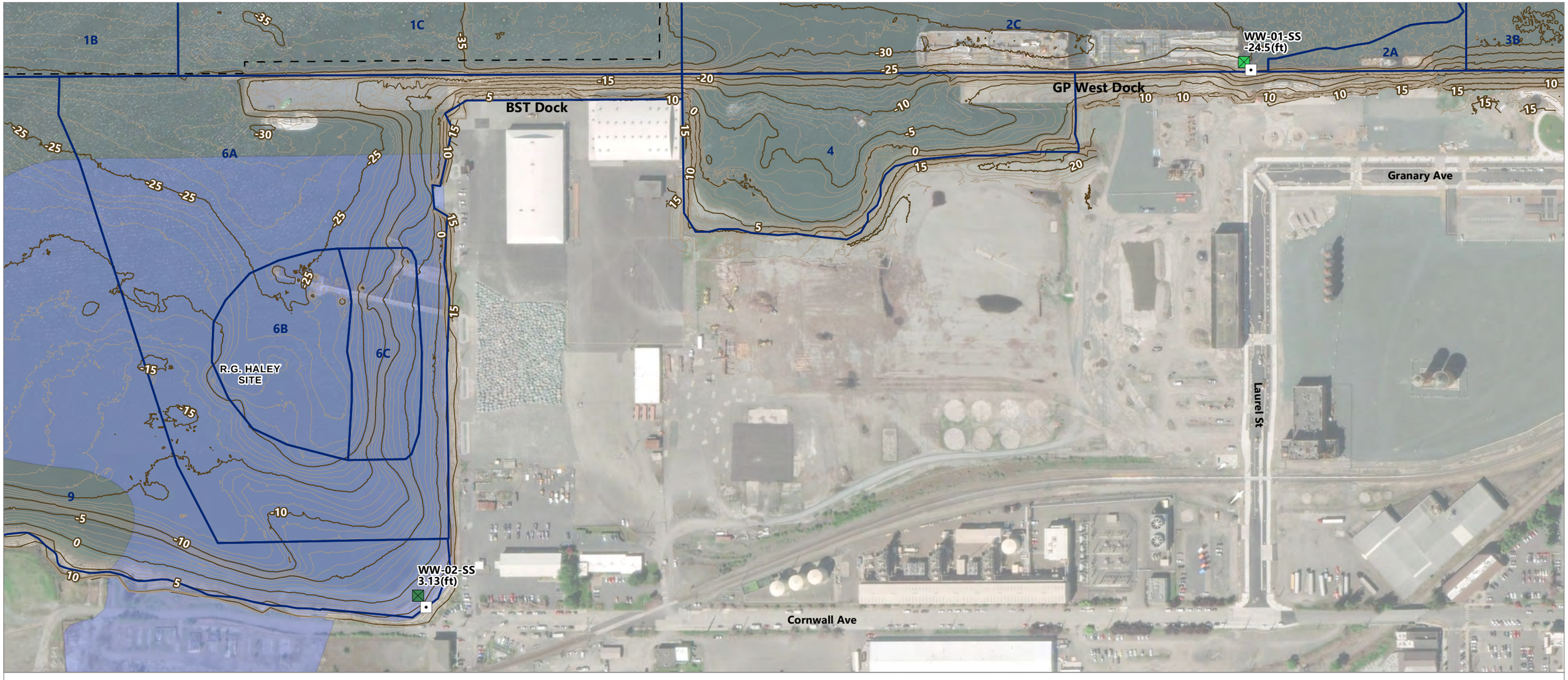
Figure 4-6c
Head of Waterway and Whatcom Creek Grab Sample cPAH Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

Mercury Result (mg/kg)

- 0 - 0.20
- 0.20 - 0.41
- 0.41 - 0.59
- 0.59 - 1.20
- 1.20 - 12.00
- 12+
- No Result

Mercury (mg/kg)
SCO = 0.41
CSL = 0.59
Natural Background = 0.2

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 400
Feet

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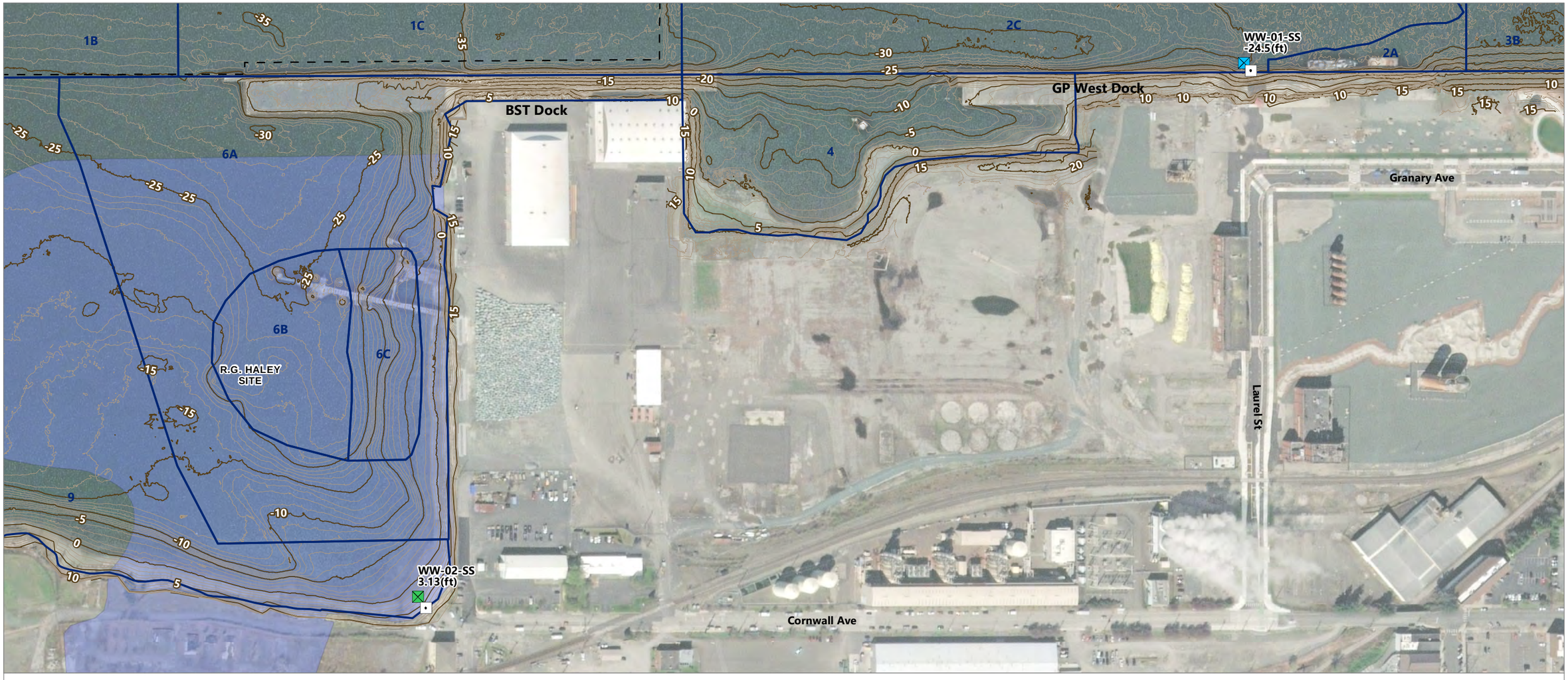
Figure 4-7a
Outfall Sample Mercury Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

Dioxin/Furan Result (ng/kg)

- 0 - 4
- 4 - 15
- 15 - 25
- 25 - 100
- 100 +
- No Result

Total Dioxin/Furan TEQ 2005 (ng/kg)
NaturalBackground = 4
RegionalBackground = 15

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 420
Feet

Publish Date: 2021/05/11, 1:04 PM | User: jsfox
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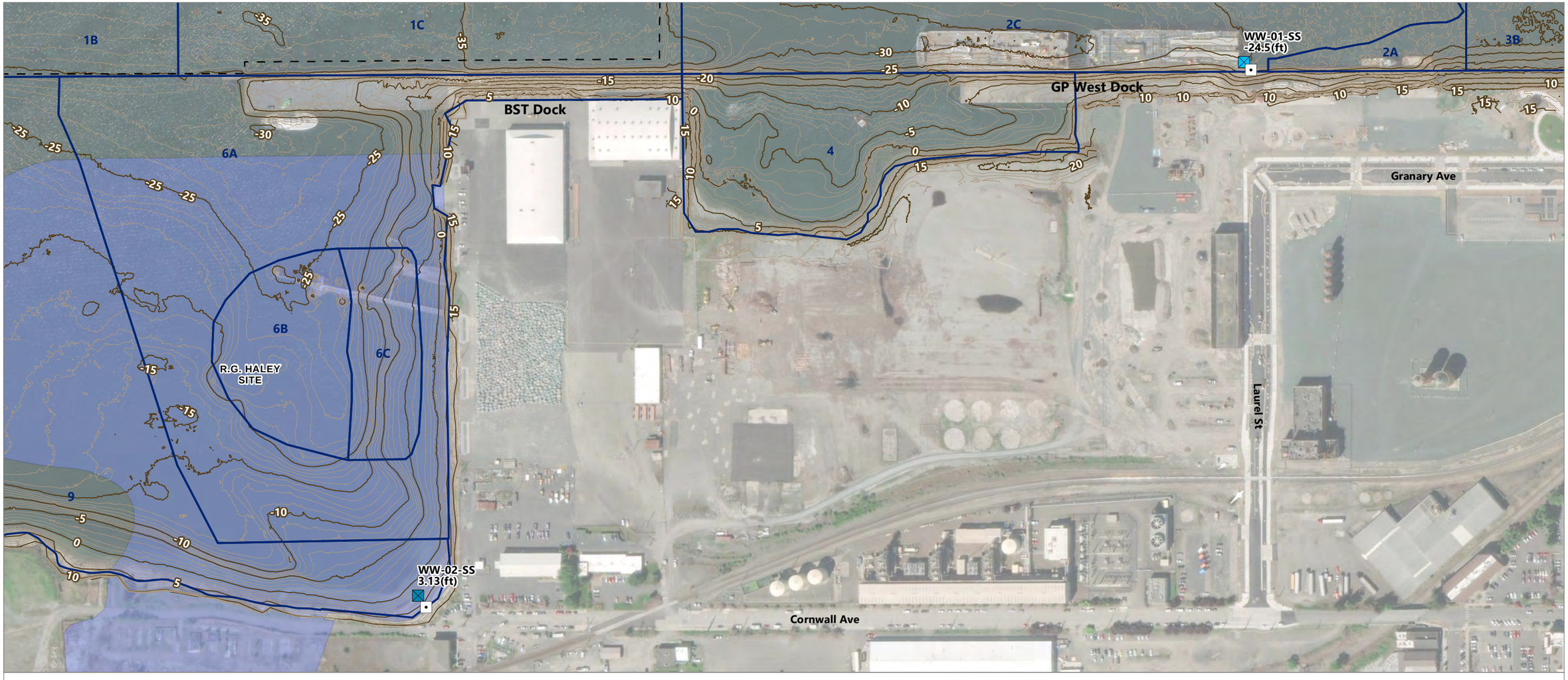
Figure 4-7b
Outfall Sample Dioxin/Furan Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas



LEGEND:

- Federal Navigation Channel
- 1-foot Contour
- 5-foot Contour
- Sediment Site Unit
- R.G. Haley Site
- Stormwater Outfall
- Grab Sample
- Core Sample

cPAH Result (ug/kg)

- 0 - 21
- 21 - 86
- 86 - 100
- 100 - 1000
- 1000 +
- No Result

cPAH (µg/kg)
Natural Background = 21
Regional Background = 86

NOTES:
1. Bathymetric survey source: Wilson Engineering, LLC November, 2019 and Northwest Hydro Inc. October, 2019 MLLW.
2. Aerial imagery sourced from Esri streaming service, 2019.

0 420
Feet

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Figure 4-7c
Outfall Sample cPAH Results
PRDI Data Report
Whatcom Waterway Cleanup – Phase 2 Site Areas