

APPENDIX L
Field Procedures

APPENDIX L

FIELD PROGRAM

General

The former Mill A facility Marine Area RI field program was conducted in accordance with the Marine Area Remedial Investigation Sampling and Analysis Plan (Marine Area RI SAP; GeoEngineers 2014a), the Remedial Investigation/Feasibility Study Work Plan (RI/FS Work Plan) Addendum No. 1 (GeoEngineers 2016), and the RI/FS Work Plan Addendum No. 4 (GeoEngineers 2018a). The field program included the collection of surface and subsurface sediment samples for field screening, chemical analysis, and bioassay testing. GeoEngineers collected the RI sediment samples at 61 locations (locations MAF-01 through MAF-61) during three field mobilizations: October and November 2015 (locations MAF-01 through MAF-36); September 2016 (locations MAF-37 through MAF-54); and November 2018 (locations MAF-55 through MAF-61).

Figures 10 and 11 shows the Marine Area RI sediment sampling locations. Exploration logs from the Marine Area RI are presented in Figures L-1 through L-95. The horizontal coordinates and sampling depths for the Marine Area RI sampling locations are summarized in Tables L-1 and L-2 for surface sediment and sediment core samples, respectively.

Sample Collection Methods

The RI surface sediment samples were obtained using a power grab sampler. Subsurface sediment core samples were obtained using vibracoring or sonic drilling methods. Intertidal/beach area samples were obtained using hand tools. In offshore areas, sediment sampling tools were deployed from a marine vessel. The intertidal/beach area was accessed by foot from the uplands area. Surface sediment samples were obtained from the upper 10 centimeters (cm) of sediment. Subsurface sediment samples were obtained by advancing continuous cores through the sediment to depths ranging from 3 to 25 feet below the mudline elevation.

The sediment recovered in each surface and subsurface sediment sample was visually classified in accordance with ASTM International (ASTM) D 2488 methods and the Unified Soil Classification System (ASTM D 2487). Sediment samples were observed and field-screened for evidence of potential contamination and for the presence or absence of wood debris or other debris. If wood debris was observed, the GeoEngineers field scientist or engineer recorded the following information on the exploration log and in photographs: the type of wood debris present (i.e., sawdust, bark, chips, twigs, fibers, etc.); the estimated volume percent of wood debris; and the depth interval in which the wood debris was observed. Field observation of sediment samples included visual inspection for staining or discoloration that could be indicative of contamination. Field screening of sediment samples consisted of water sheen testing. Field observation and field screening procedures are discussed below. Field observations and the results of field screening at each RI sediment sampling location are included on the attached exploration logs.

Surface Sediment Sample Collection and Processing

Surface sediment samples were collected using a power grab sampler deployed from a marine vessel. Sediment sampling tools and equipment were decontaminated and inspected before sampling. The procedures for collecting surface sediment samples by marine vessel were as follows:

1. Maneuver the sampling vessel to the proposed sampling location, steady the vessel, and verify location control using a Global Positioning System (GPS) device.
2. Record the sampling location.
3. Prepare the power grab sampler for deployment.
4. Lower the sampler through the water column to the mudline at a rate of approximately 1 foot per second. Verify that the cable attached to the sampler is plumb (i.e., vertical).
5. Record the sampling time and the depth to mudline below the water surface using the lead-line
6. Activate the sampler and raise it through the water column to the vessel at a rate of approximately 1 foot per second.
7. Place the sampler on the work surface of the vessel. Avoid jostling the sampler and/or disturbing the sample.
8. Examine the sample for the following sediment acceptance criteria:
 - The jaws of the power grab sampler were closed;
 - Sediment was below the top of sampler;
 - Minimal observed leakage and sample disturbance; and
 - The target penetration depth was achieved.

If any of the sediment acceptance criteria are not met, reject the sample and attempt to collect another sample at the same location. If the sediment acceptance criteria cannot be met after four attempts, contact the Project Manager to discuss possible alternate sampling locations.

9. Siphon off the water overlying the surface of the sediment while taking care to not disturb the surface of the sediment.
10. Collect sediment sample aliquots for porewater analysis (ammonia, sulfide, and tributyltin ion) immediately after siphoning off the overlying water and prior to any additional observation, testing, photography, classification or homogenization of the sample material. Collect the sample aliquots by carefully removing relatively undisturbed sediment directly from the sampler with a decontaminated stainless-steel spoon and place the sediment directly into a sample jar. Take care during sample collection to minimize aeration and sample disturbance. Immediately fill the sample jar completely with sea water to eliminate headspace, seal the lid on the filled sample jar, and place the jar in a cooler used solely for porewater samples. Use ice to maintain a temperature of 2 to 6 degrees Celsius in the sample cooler during sample storage and transport to the analytical laboratory.
11. Visually classify sediment in accordance with ASTM D 2488 methods and the Unified Soil Classification System (ASTM D 2487) and record on the field form. Observe and field-screen sediment samples for evidence of potential contamination and record findings on the field form. Also record qualitative descriptive parameters such as the type and abundance of any biota observed and the type and estimated volume percent of wood debris present. Fine sawdust generated by sawmills is often indistinguishable from other sediment, so take care to attempt to identify finer fractions of wood debris in samples.
12. Photograph the sediment sample. Include in the camera's field of view a sheet of paper or whiteboard with the sample identification (ID) written in large print; use care not to touch the sediment with the

paper/whiteboard or with gloved hands that have contacted whiteboards, pens, whiteboard ink, or whiteboard erasers.

13. To avoid cross-contamination, use a clean hands/dirty hands approach to the use of whiteboard pens and erasers during sample collection activities where subsequent chemical analyses will be performed on the samples. When handling samples to be submitted for chemical analysis, do not wear gloves that have been in contact with whiteboard pens or erasers.
14. Collect the upper 10 cm of sediment from the sampler using a decontaminated stainless-steel spoon. Do not collect sediment that has been in contact with the sides of the sampler.
15. Place the sediment in a decontaminated stainless-steel homogenization bowl. Cover the stainless-steel with a new sheet of aluminum foil and dispose after use. If sufficient sample volume was not collected, repeat the sampling process until sufficient volume is collected. Successive sampler deployments should be within an approximate 10-foot radius of the initial deployment.
16. For sediment samples where volatilization of sediment is not predicted under field conditions, homogenize the sediment in the stainless-steel bowl using the stainless-steel spoon until the sediment appears generally uniform in color and texture. Record on the field form that the sample was homogenized.
17. For sediment samples where volatilization of sediment is predicted (i.e., sulfides), place samples immediately and directly into sample jars without homogenization and immediately seal the sample jars. Record on the field form that the sample was not homogenized.
18. Distribute the sample to designated sample jars and ensure that the sample jars are properly labeled, and the lids are tightly secured.
19. Clean the exterior of the sample jars and immediately place them in a cooler containing ice.
20. After sample jars are filled and stored in a cooler, place extra, unused sediment from sample processing in a drum for temporary storage and subsequent transfer to an appropriate waste handling facility.
21. Decontaminate reusable sampling equipment.
22. Double-check that field sampling forms are filled out.

Subsurface Sediment Sample Collection and Processing

Subsurface sediment samples were collected using vibracoring and sonic drilling methods. The sediment cores were collected from a marine vessel. The coring utilized a 3- to 4-inch-diameter core barrel containing dedicated (disposable) clear CAB (butryn) liners. The procedures for collecting subsurface sediment samples by marine vessel were as follows:

1. Maneuver the sampling vessel to the proposed sampling location, steady the vessel, and verify location control using a GPS device.
2. Record the sampling location.
3. Record the sampling time and the depth to mudline below the water surface using the lead-line.
4. Drive the core barrel into the sediment and collect a continuous sediment core to the target depth or until refusal.
5. For each core interval, record the penetration depth on the field form.

6. Extract the core barrel, remove and cap the liner from the core barrel, and examine the sediment core relative to the following acceptance criteria:
 - Intact material at the top of the core tube with overlying water;
 - A minimum of 75 percent recovery in the core/liner compaction (compression) not greater than 25 percent;
 - Intact core tube without obstructions or blockage; and
 - Achievement of the target penetration depth.

If any of the sediment acceptance criteria are not met, reject the sample and attempt to collect another sample at the same location. If the sediment acceptance criteria cannot be met after four attempts, notify the Project Manager to discuss possible alternative sampling locations.

7. If the core meets the acceptance criteria, proceed with core processing. If the cores will not be processed immediately after collection, seal and label the cores and place them in a container with ice or a refrigerated space. Maintain the cores at a temperature of 2 to 6 degrees Celsius during storage prior to processing, both onboard the sampling vessel and during shipment to any core processing facility.
8. Begin core processing by opening the core with a decontaminated core-opening device.
9. Visually classify sediment in accordance with ASTM D 2488 methods and the Unified Soil Classification System (ASTM D 2487) and record on the field form. Observe and field-screen sediment samples for evidence of potential contamination and record findings on the field form. Also record qualitative descriptive parameters such as the type and abundance of any biota observed and the type and estimated volume percent of wood debris present, along with the corresponding depth intervals. Fine sawdust generated by sawmills is often indistinguishable from other sediment, so take care to attempt to identify finer fractions of wood debris in samples.
10. Photograph the sediment core sample. Include in the camera's field of view a sheet of paper or whiteboard with the sample ID written in large print; use care not to touch the sediment with the paper/whiteboard or with gloved hands that have contacted whiteboards, pens, whiteboard ink, or whiteboard erasers. Several photographs will likely be necessary to document the entire length of the core sample. Include the depth interval on the paper/whiteboard photographed with each portion of the core sample.
11. To avoid cross-contamination, use a clean hands/dirty hands approach to the use of whiteboard pens and erasers during sample collection activities where subsequent chemical analyses will be performed on the samples. When handling samples to be submitted for chemical analysis, do not wear gloves that have been in contact with whiteboard pens or erasers.
12. Collect sediment from the core barrel liner using a decontaminated stainless-steel spoon. Do not collect sediment that has been in contact with the core-opening device or the sides of the core barrel liner. Place the sediment into a decontaminated stainless-steel homogenization bowl. Cover the stainless-steel bowl with a new sheet of aluminum foil and dispose after use.
13. For sediment samples where volatilization of sediment is not predicted under field conditions, homogenize the sediment in the stainless-steel bowl using the stainless-steel spoon until the sediment appears generally uniform in color and texture. Record on the field form that the sample was homogenized.

14. For sediment samples where volatilization of sediment is predicted (i.e., sulfides), place samples immediately and directly into sample jars without homogenization and immediately seal the sample jars. Record on the field form that the sample was not homogenized.
15. Distribute the sample to designated sample jars and ensure that the sample jars are properly labeled, and the lids are tightly secured.
16. Clean the exterior of the sample jars and immediately place them in a cooler containing ice.
17. After sample jars are filled and stored in a cooler, place extra, unused sediment from sample processing in a drum for temporary storage and subsequent transfer to an appropriate waste handling facility.
18. Decontaminate reusable sampling equipment.
19. Double-check that field sampling forms are filled out.

If sufficient sample volume cannot be obtained from a particular target depth interval, attempt to obtain an adjacent sediment core within a 10-foot radius of the original core. If necessary, make at least three attempts to obtain sufficient sample volume at each sampling location. If sufficient sample volume cannot be obtained, contact the Project Manager to discuss possible alternate sampling locations.

Intertidal/Beach Area Sediment Sampling

Intertidal/beach area sediment samples were collected using hand tools (i.e., stainless steel hand auger and/or shovel). The procedures for collecting intertidal/beach area sediment samples access from the Upland Area by foot were as follows:

1. Locate the target intertidal/beach area sampling station using a GPS device.
2. Record the actual coordinates of the sampling location.
3. Advance the decontaminated sampling device (stainless-steel hand auger or spoon) into the sediment to the target depth or until refusal.
4. Place the sediment from the target sample interval into a decontaminated stainless-steel homogenization bowl.
5. Visually classify sediment in accordance with ASTM D 2488 methods and the Unified Soil Classification System (ASTM D 2487) and record on the field form. Observe and field-screen sediment samples for evidence of potential contamination and record findings on the field form. Also record qualitative descriptive parameters such as the type and abundance of any biota observed and the type and estimated volume percent of wood debris present, along with the corresponding depth intervals. Fine sawdust generated by sawmills is often indistinguishable from other sediment, so take care to attempt to identify finer fractions of wood debris in samples.
6. Photograph the sediment sample. Include in the camera's field of view a sheet of paper or whiteboard with the sample ID written in large print; use care not to touch the sediment with the paper/whiteboard or with gloved hands that have contacted whiteboards, pens, whiteboard ink, or whiteboard erasers. To avoid cross-contamination, use a clean hands/dirty hands approach to the use of whiteboard pens and erasers during sample collection activities where subsequent chemical analyses will be performed on the samples. When handling samples to be submitted for chemical analysis, do not wear gloves that have been in contact with whiteboard pens or erasers.

7. For sediment samples where volatilization of sediment is not predicted under field conditions, homogenize the sediment in the stainless-steel bowl using the stainless-steel spoon until the sediment appears generally uniform in color and texture. Record on the field form that the sample was homogenized.
8. For sediment samples where volatilization of sediment is predicted (i.e., sulfides), place samples immediately and directly into sample jars without homogenization and immediately seal the sample jars. Record on the field form that the sample was not homogenized.
9. Distribute the sample to designated sample jars and ensure that the sample jars are properly labeled, and the lids are tightly secured.
10. Clean the exterior of the sample jars and immediately place them in a cooler containing ice.
11. Decontaminate reusable sampling equipment.
12. Double-check that field sampling forms are filled out.

Positioning

Sampling locations (horizontal coordinates) were measured using a GPS device with 2-meter accuracy. The sampling locations were recorded in units of U.S. Survey Feet referenced to the North American Datum of 1983 (NAD83)/Washington State Plane North coordinate system.

Elevations of the mudline at each sampling location were calculated based on the measured water depth (i.e., depth to mudline) and the tidal elevation at the time of sampling. Depths below mudline for the core samples were measured directly based on the penetration depth of the core barrel, typically to within approximately 0.1 foot. Elevations were referenced to the mean lower low water (MLLW) elevation.

Sampling Equipment Decontamination Procedures

Sediment samples were collected using grab sampling equipment, coring/drilling equipment, and hand tools including stainless-steel spoons and stainless-steel mixing bowls. Reusable sampling equipment that was used to process the samples and that contacted sediment (e.g., spoons, bowls, measuring devices, etc.) was decontaminated before each use. Decontamination procedures for reusable sampling equipment consisted of the following:

- Rinsing with sea water to dislodge and remove sediment;
- Washing with a scrub brush and an aqueous solution of non-phosphate detergent (e.g., Liqui-Nox) and distilled water;
- Rinsing with deionized water; and
- Wrapping or covering the decontaminated equipment with aluminum foil (note: only decontaminated equipment that wasn't immediately reused was wrapped/covered with aluminum foil).

Field personnel limited potential cross-contamination of samples by using new nitrile or vinyl gloves between sampling locations.

Field Observation and Field Screening

Sediment samples were observed and field-screened for evidence of potential contamination. Field observations and field-screening results were recorded on field forms. Field observations consisted of visual and olfactory observations. Field screening consisted of water sheen testing.

Visual and Olfactory Observations

The sediment samples were observed for the presence or absence of wood debris or other debris, discoloration/staining, and odors that may be indicative of contamination.

Water Sheen Testing

Water sheen testing is a qualitative field screening method that can help identify the presence or absence of petroleum hydrocarbons. A portion of each sediment sample (approximately a tablespoon) was placed in a small pan containing distilled water. The water surface was then observed for signs of sheen. The following sheen classifications were used:

| Classification | Identifier | Description |
|----------------|------------|---|
| No Sheen | (NS) | No visible sheen on the water surface |
| Slight Sheen | (SS) | Light, colorless, dull sheen; spread is irregular, not rapid; sheen dissipates rapidly |
| Moderate Sheen | (MS) | Light to heavy sheen; may have some color/iridescence; spread is irregular to flowing, may be rapid; few remaining areas of no sheen on the water surface |
| Heavy Sheen | (HS) | Heavy sheen with color/iridescence; spread is rapid; entire water surface may be covered with sheen |

Disposition of Incidental Waste

Incidental waste generated during sampling activities included items such as disposable gloves, plastic sheeting, sample core barrel liners, paper towels, and similar expended and discarded field supplies. These materials were considered *de minimis* and were disposed of in a local trash receptacle or county disposal facility. Sediment obtained during this investigation was considered contaminated, and was appropriately handled, transported, and disposed of at a permitted waste handling facility.

Sample Handling and Custody

Sample Containers and Labeling

Samples were placed in appropriate laboratory-prepared containers (glass sample jars). Sample containers and preservatives are listed in Table 7 of the Marine Area RI SAP.

Sample containers were labeled with the following information at the time of sample collection:

- Project name and number;
- Type of sample preservative used (where applicable);

- Sample ID, which included a reference to the sampling date and the sample collection depth below the mudline; and
- Date and time of sample collection.

Sample Storage

Samples were placed in a cooler containing ice after they were collected. Samples were maintained at a temperature of 2 to 6 degrees Celsius. Sample holding times (see Table 7 of the Marine Area RI SAP) were observed during sample storage.

Sample Shipment

Samples were transported and delivered to the analytical laboratory in the sample coolers. The samples were transported by field personnel, laboratory personnel, or courier service. The sample coolers were secured using clear plastic tape and custody seals.

Chain-of-Custody Records

A Chain of Custody (COC) form was completed for each group of samples shipped to the analytical laboratory. Information recorded on the COC form included:

- Project name and number;
- Sample IDs;
- Date and time of sampling;
- Sample matrix, preservative, and number of containers for each sample;
- Analyses to be performed;
- Names of sampling personnel;
- Project manager name and contact information including phone number; and
- Shipping information including shipping container number, if applicable.

The original COC form was signed by a member of the field team. Field personnel retained copies and placed the original and remaining copies in a plastic bag. The plastic bag containing the COC form was placed in the sample cooler before sealing the cooler for transport to the laboratory.

REFERENCES

GeoEngineers, Inc. 2014a, "Marine Area Remedial Investigation Sampling and Analysis Plan, Weyerhaeuser Mill A Former, Everett, Washington, Ecology Agreed Order No. DE 8979," prepared for the Washington State Department of Ecology on Behalf of Port of Everett, Weyerhaeuser Company and Washington State Department of Natural Resources, October 16, 2014. (Attachment 2 to the RI/FS Work Plan.)

GeoEngineers, Inc. 2014b, "Dredged Material Characterization Sampling and Analysis Plan, Weyerhaeuser Mill A Former Cleanup Site, Interim Action Dredging Project, Everett, Washington." Prepared for the Port of Everett, December 16, 2014.

GeoEngineers, Inc. 2016, "Work Plan Addendum No. 1 for Follow-up Sample Collection and Testing at the Former Mill A Marine Area, Everett, Washington," prepared for the Washington State Department of Ecology, GEI File No. 0676-020-04, September 1, 2016.

GeoEngineers, Inc. 2018a, "Work Plan Addendum No. 4 for Additional Marine Area Sediment Sample Collection and Analysis at the Weyerhaeuser Mill A Former Site, Everett, Washington." Memorandum to Andy Kallus and Peter Adolphson, Washington State Department of Ecology, from Iain H. Wingard and John M. Herzog, GeoEngineers. Prepared on behalf of the Port of Everett, September 5, 2018.

GeoEngineers, Inc. 2018b, "FINAL Dredged Material Characterization Sampling and Analysis Plan, South Terminal Maintenance Dredge Project, Weyerhaeuser Mill A Former Site, Everett, Washington." Prepared for the Dredged Material Management Office and Washington State Department of Ecology on behalf of Port of Everett, October 12, 2018.

Attachments:

Table L-1. Surface Sediment Sample Collection Summary

Table L-2. Sediment Core Sample Collection Summary

Figure L-1. Key to Exploration Logs

Figures L-2 through L-99. Log of Explorations

Table L-1

Surface Sediment Sample Collection Summary

Weyerhaeuser Mill A Former
Everett, Washington

| Sample Location ¹ | Sample Identification | Date Sampled | Sample Coordinates ² NAD83/Washington State Plane North (US Survey Feet) | | Water Surface Elevation ³ (ft MLLW) | Depth of Water Column (ft) | Mudline Elevation (ft MLLW) | Sampling Method | Penetration Depth (cm bml) | Sample Interval (cm bml) | | Sample Elevation (ft MLLW) |
|------------------------------|-----------------------|--------------|---|----------|---|-------------------------------|--------------------------------|-----------------|-------------------------------|-----------------------------|--------|-------------------------------|
| | | | Easting | Northing | | | | | | Top | Bottom | |
| MAF-01 | MAF-SS-01_1-10 | 10/20/15 | 1299021.1 | 358809.1 | 10.3 | 14.1 | -3.9 | Power Grab | 20 cm | 0 cm | 10 cm | -3.9 |
| | MAF-SS-DUP-01 | | | | | | | | | | | |
| MAF-02 | MAF-SS-02_1-10 | 10/20/15 | 1299224.3 | 359084.1 | 9.5 | 14.2 | -4.7 | Power Grab | 13 cm | 0 cm | 10 cm | -4.7 |
| MAF-03 | MAF-SS-03_1-10 | 10/20/15 | 1298929.1 | 358923.3 | 10.3 | 25.5 | -15.3 | Power Grab | 20 cm | 0 cm | 10 cm | -15.3 |
| MAF-04 | MAF-SS-04_1-10 | 10/20/15 | 1299156.8 | 359181.0 | 10.0 | 21.7 | -11.7 | Power Grab | 13 cm | 0 cm | 10 cm | -11.7 |
| MAF-05 | MAF-SS-05_1-10 | 10/20/15 | 1299413.3 | 359226.9 | 9.0 | 13.1 | -4.1 | Power Grab | 20 cm | 0 cm | 10 cm | -4.1 |
| MAF-06 | MAF-SS-07_1-10 | 10/19/15 | 1299663.8 | 359696.3 | 8.8 | 49.4 | -40.6 | Power Grab | 12 cm | 0 cm | 10 cm | -40.6 |
| MAF-08 | MAF-SS-08_1-10 | 10/19/15 | 1299991.6 | 359954.8 | 11.8 | 55.4 | -43.7 | Power Grab | 14 cm | 0 cm | 10 cm | -43.7 |
| | MAF-SS-DUP-02 | | | | | | | | | | | |
| MAF-09 | MAF-SS-09_1-10 | 10/19/15 | 1299688.9 | 360174.2 | 11.8 | 56.3 | -44.5 | Power Grab | 13 cm | 0 cm | 10 cm | -44.5 |
| MAF-10 | MAF-SS-10_1-10 | 10/20/15 | 1299120.0 | 359536.2 | 9.0 | 60.7 | -51.7 | Power Grab | 20 cm | 0 cm | 10 cm | -51.7 |
| MAF-11 | MAF-SS-11_1-10 | 10/20/15 | 1298800.9 | 359022.3 | 10.0 | 58.5 | -48.5 | Power Grab | 15 cm | 0 cm | 10 cm | -48.5 |
| MAF-12 | MAF-SS-12_1-10 | 10/20/15 | 1298485.7 | 358651.9 | 10.0 | 65.6 | -55.6 | Power Grab | 16 cm | 0 cm | 10 cm | -55.6 |
| MAF-13 | MAF-SS-13_1-10 | 10/20/15 | 1298263.2 | 358311.5 | 10.0 | 51.8 | -41.8 | Power Grab | 17 cm | 0 cm | 10 cm | -41.8 |
| MAF-14 | MAF-SS-14_1-10 | 10/21/15 | 1298454.6 | 358044.7 | 10.5 | 8.5 | 2.0 | Power Grab | 18 cm | 0 cm | 10 cm | 2.0 |
| MAF-15 | MAF-SS-15_1-10 | 10/21/15 | 1298413.3 | 357667.5 | 10.8 | 3.7 | 7.1 | Power Grab | 18 cm | 0 cm | 10 cm | 7.1 |
| MAF-16 | MAF-SS-16_1-10 | 10/21/15 | 1298205.1 | 357344.7 | 10.8 | 3.8 | 6.9 | Power Grab | 20 cm | 0 cm | 10 cm | 6.9 |
| MAF-17 | MAF-SS-17_1-10 | 10/21/15 | 1298047.6 | 357719.6 | 9.5 | 7.6 | 2.0 | Power Grab | 25 cm | 0 cm | 10 cm | 2.0 |
| MAF-18 | MAF-SS-18_1-10 | 10/21/15 | 1298026.7 | 358068.1 | 8.0 | 49.9 | -41.9 | Power Grab | 18 cm | 0 cm | 10 cm | -41.9 |
| MAF-19 | MAF-SS-19_1-10 | 10/20/15 | 1298181.3 | 358638.0 | 10.0 | 85.3 | -75.3 | Power Grab | 18 cm | 0 cm | 10 cm | -75.3 |
| MAF-20 | MAF-SS-20_1-10 | 10/20/15 | 1298500.7 | 359045.8 | 9.8 | 87.0 | -77.2 | Power Grab | 19 cm | 0 cm | 10 cm | -77.2 |
| MAF-21 | MAF-SS-21_1-10 | 10/21/15 | 1298784.7 | 359439.4 | 7.5 | 75.2 | -67.7 | Power Grab | 10 cm | 0 cm | 10 cm | -67.7 |
| | MAF-SS-DUP-04 | | | | | | | | | | | |
| MAF-22 | MAF-SS-22_1-10 | 10/21/15 | 1299121.9 | 359872.0 | 7.5 | 68.8 | -61.3 | Power Grab | 15 cm | 0 cm | 10 cm | -61.3 |
| MAF-23 | MAF-SS-23_1-10 | 10/21/15 | 1297791.4 | 357722.1 | 8.8 | 10.9 | -2.2 | Power Grab | 13 cm | 0 cm | 10 cm | -2.2 |
| MAF-24 | MAF-SS-24_1-10 | 10/21/15 | 1298013.6 | 357332.4 | 11.0 | 5.6 | 5.4 | Power Grab | 23 cm | 0 cm | 10 cm | 5.4 |
| MAF-25 | MAF-SS-25_1-10 | 10/21/15 | 1298155.4 | 357488.3 | 10.8 | 5.4 | 5.4 | Power Grab | 23 cm | 0 cm | 10 cm | 5.4 |
| MAF-26 | MAF-SS-26_1-10 | 10/21/15 | 1298052.7 | 357139.9 | 11.3 | 2.8 | 8.5 | Power Grab | 10 cm | 0 cm | 10 cm | 8.5 |
| MAF-27 | MAF-SS-27_1-10 | 10/21/15 | 1298181.2 | 357224.1 | 11.3 | 2.3 | 8.9 | Power Grab | 16 cm | 0 cm | 10 cm | 8.9 |
| MAF-28 | MAF-SS-28_1-10 | 10/21/15 | 1297864.7 | 356972.7 | 11.3 | 5.9 | 5.3 | Power Grab | 23 cm | 0 cm | 10 cm | 5.3 |
| MAF-29 | MAF-SS-29_1-10 | 10/21/15 | 1297829.2 | 357217.9 | 10.3 | 5.7 | 4.6 | Power Grab | 18 cm | 0 cm | 10 cm | 4.6 |
| MAF-30 | MAF-SS-30_1-10 | 10/21/15 | 1297819.1 | 357451.5 | 10.0 | 7.7 | 2.3 | Power Grab | 20 cm | 0 cm | 10 cm | 2.3 |
| | MAF-SS-DUP-03 | | | | | | | | | | | |
| MAF-31 | MAF-SS-31_1-10 | 10/19/15 | 1299459.0 | 359861.8 | 9.8 | 51.6 | -41.8 | Power Grab | 20 cm | 0 cm | 10 cm | -41.8 |
| MAF-32 | MAF-SS-32_1-10 | 10/19/15 | 1300163.8 | 359896.2 | 10.0 | 51.4 | -41.4 | Power Grab | 12 cm | 0 cm | 10 cm | -41.4 |

| Sample Location ¹ | Sample Identification | Date Sampled | Sample Coordinates ² NAD83/Washington State Plane North (US Survey Feet) | | Water Surface Elevation ³ (ft MLLW) | Depth of Water Column (ft) | Mudline Elevation (ft MLLW) | Sampling Method | Penetration Depth (cm bml) | Sample Interval (cm bml) | | Sample Elevation (ft MLLW) |
|------------------------------|-----------------------|--------------|---|----------|---|-------------------------------|--------------------------------|-----------------|-------------------------------|-----------------------------|--------|-------------------------------|
| | | | Easting | Northing | | | | | | Top | Bottom | |
| MAF-33 | MAF-SS-33_1-10 | 10/19/15 | 1299797.8 | 359587.2 | 8.5 | 48.9 | -40.4 | Power Grab | 14 cm | 0 cm | 10 cm | -40.4 |
| | MAF-SS-DUP-06 | | | | | | | | | | | |
| MAF-34 | MAF-SS-34_1-10 | 10/20/15 | 1298878.9 | 358749.5 | 10.5 | 18.3 | -7.8 | Power Grab | 16 cm | 0 cm | 10 cm | -7.8 |
| MAF-35 | MAF-SS-35_1-10 | 10/19/15 | 1299438.5 | 360251.1 | 11.8 | 64.6 | -52.9 | Power Grab | 14 cm | 0 cm | 10 cm | -52.9 |
| MAF-36 | MAF-SS-36_1-10 | 10/19/15 | 1299733.2 | 360427.6 | 11.8 | 55.7 | -44.0 | Power Grab | 10 cm | 0 cm | 10 cm | -44.0 |
| MAF-37 | MAF-SS-37_1-10 | 09/13/16 | 1298382.4 | 359137.5 | 8.0 | 104.2 | -96.2 | Power Grab | 25 cm | 0 cm | 10 cm | -96.2 |
| MAF-38 | MAF-SS-38_1-10 | 09/13/16 | 1298673.0 | 359530.5 | 9.3 | 102.1 | -92.9 | Power Grab | 24 cm | 0 cm | 10 cm | -92.9 |
| | MAF-SS-DUP-07 | | | | | | | | | | | |
| MAF-39 | MAF-SS-39_1-10 | 09/13/16 | 1298110.8 | 358465.1 | 9.8 | 74.2 | -64.5 | Power Grab | 26 cm | 0 cm | 10 cm | -64.5 |
| | MAF-SS-DUP-08 | | | | | | | | | | | |
| MAF-40 | MAF-SS-40_1-10 | 09/13/16 | 1297793.7 | 358778.2 | 10.3 | 164.0 | -153.8 | Power Grab | 16 cm | 0 cm | 10 cm | -153.8 |
| MAF-41 | MAF-SS-41_1-10 | 09/13/16 | 1298212.0 | 358947.0 | 7.9 | 159.5 | -151.6 | Power Grab | 21 cm | 0 cm | 10 cm | -151.6 |
| MAF-42 | MAF-SS-42_1-10 | 09/14/16 | 1297939.8 | 359260.9 | 0.8 | 181.0 | -180.3 | Power Grab | 27 cm | 0 cm | 10 cm | -180.3 |
| MAF-43 | MAF-SS-43_1-10 | 09/14/16 | 1298244.2 | 359770.2 | 0.3 | 143.0 | -142.8 | Power Grab | 25 cm | 0 cm | 10 cm | -142.8 |
| MAF-44 | MAF-SS-44_1-10 | 09/14/16 | 1298704.5 | 359929.6 | 0.0 | 69.1 | -69.1 | Power Grab | 26 cm | 0 cm | 10 cm | -69.1 |
| MAF-45 | MAF-SS-45_1-10 | 09/14/16 | 1298997.5 | 360105.1 | 0.0 | 63.3 | -63.3 | Power Grab | 24 cm | 0 cm | 10 cm | -63.3 |
| MAF-46 | MAF-SS-46_1-10 | 09/14/16 | 1299388.6 | 360089.9 | 0.3 | 53.8 | -53.6 | Power Grab | 25 cm | 0 cm | 10 cm | -53.6 |
| MAF-47 | MAF-SS-47_1-10 | 09/14/16 | 1299744.8 | 359942.4 | 0.3 | 51.8 | -51.6 | Power Grab | 22 cm | 0 cm | 10 cm | -51.6 |
| MAF-48 | MAF-SS-48_1-10 | 09/14/16 | 1297692.1 | 358281.7 | 0.3 | 111.2 | -111.0 | Power Grab | 26 cm | 0 cm | 10 cm | -111.0 |
| MAF-49 | MAF-SS-49_1-10 | 09/14/16 | 1299203.4 | 360380.3 | 0.8 | 75.3 | -74.6 | Power Grab | 25 cm | 0 cm | 10 cm | -74.6 |
| MAF-50 | MAF-SS-50_1-10 | 09/13/16 | 1300175.5 | 360609.9 | 10.0 | 56.8 | -46.8 | Power Grab | 24 cm | 0 cm | 10 cm | -46.8 |
| MAF-51 | MAF-SS-51_1-10 | 09/14/16 | 1299680.7 | 961139.4 | 1.3 | 41.6 | -40.4 | Power Grab | 22 cm | 0 cm | 10 cm | -40.4 |
| MAF-52 | MAF-SS-52_1-10 | 09/14/16 | 1299528.0 | 361830.0 | 1.5 | 104.2 | -102.7 | Power Grab | 25 cm | 0 cm | 10 cm | -102.7 |
| MAF-53 | MAF-SS-53_1-10 | 09/14/16 | 1300557.5 | 361517.0 | 2.0 | 36.6 | -34.6 | Power Grab | 25 cm | 0 cm | 10 cm | -34.6 |
| MAF-54 | MAF-SS-54_1-10 | 09/14/16 | 1300652.9 | 360961.4 | 2.8 | 42.9 | -40.2 | Power Grab | 25 cm | 0 cm | 10 cm | -40.2 |
| MAF-55 | MAF-SS-55_0-10 | 11/13/18 | 1297941.7 | 358157.0 | 8.0 | 56.0 | -48.0 | Power Grab | 10 cm | 0 cm | 10 cm | -48.0 |
| MAF-56 | MAF-SS-56_0-10 | 11/13/18 | 1298332.6 | 358413.1 | 7.0 | 50.6 | -43.6 | Power Grab | 10 cm | 0 cm | 10 cm | -43.6 |
| MAF-57 | MAF-SS-57_0-10 | 11/14/18 | 1298461.3 | 358421.4 | 10.2 | 50.4 | -40.2 | Power Grab | 18 cm | 0 cm | 10 cm | -40.2 |
| MAF-58 | MAF-SS-58_0-10 | 11/14/18 | 1298415.5 | 358559.4 | 9.5 | 62.3 | -52.8 | Power Grab | 10 cm | 0 cm | 10 cm | -52.8 |
| MAF-59 | MAF-SS-59_0-10 | 11/14/18 | 1298676.0 | 358814.4 | 10.6 | 60.9 | -50.3 | Power Grab | 10 cm | 0 cm | 10 cm | -50.3 |
| MAF-60 | MAF-SS-60_0-10 | 11/14/18 | 1298657.1 | 358634.0 | 10.4 | 52.5 | -42.1 | Power Grab | 10 cm | 0 cm | 10 cm | -42.1 |
| MAF-61 | MAF-SS-61_0-10 | 11/14/18 | 1298160.0 | 358298.4 | 7.2 | 49.8 | -42.7 | Power Grab | 10 cm | 0 cm | 10 cm | -42.7 |
| | MAF-SS-DUP-11 | | | | | | | | | | | |

Notes:

- ¹ Sediment sampling locations are shown on Figures 10 and 11.
- ² Obtained using a differential global positioning system (DGPS) and/or hand-held Trimble GPS device.
- ³ Surface water elevations are based on one of two surveyed tideboards established for the Marine Area RI.
- ft = feet
- cm = centimeter
- bml = below mudline
- NAD83 = North American Datum of 1983
- MLLW = mean lower low water

Table L-2
Sediment Core Sample Collection Summary
Weyerhaeuser Mill A Former
Everett, Washington

| Sample Location ¹ | Sample Identification | Date Sampled | Sample Coordinates ² NAD83/Washington State Plane North (US Survey Feet) | | Water Surface Elevation ³ (ft MLLW) | Depth of Water Column (ft) | Mudline Elevation (ft MLLW) | Sampling Method | Penetration Depth (ft bml) | Sample Interval (ft bml) | | Sample Elevation (ft MLLW) |
|------------------------------|-----------------------|--------------|---|----------|---|-------------------------------|--------------------------------|-----------------|-------------------------------|-----------------------------|--------|-------------------------------|
| | | | Easting | Northing | | | | | | Top | Bottom | |
| MAF-01 | MAF-SC-01_0-2 | 11/11/15 | 1299010.6 | 358823.8 | 11.0 | 17.4 | -6.4 | Sonic | 25 | 0 | 2 | -6.4 |
| | MAF-SC-DUP-01 | | | | | | | | | 0 | 2 | -6.4 |
| | MAF-SC-01_2-4 | | | | | | | | | 2 | 4 | -8.4 |
| | MAF-SC-01_4-6 | | | | | | | | | 4 | 6 | -10.4 |
| | MAF-SC-01_8-10 | | | | | | | | | 8 | 10 | -14.4 |
| | MAF-SC-01_12-14 | | | | | | | | | 12 | 14 | -18.4 |
| | MAF-SC-01_16-18 | | | | | | | | | 16 | 18 | -22.4 |
| | MAF-SC-01_20-22 | | | | | | | | | 20 | 22 | -26.4 |
| | MAF-SC-DUP-02 | | | | | | | | | 20 | 22 | -26.4 |
| MAF-02 | MAF-SC-02_0-2 | 11/10/15 | 1299140.4 | 359086.7 | 11.0 | 18.6 | -7.6 | Sonic | 25 | 0 | 2 | -7.6 |
| | MAF-SC-02_2-4 | | | | | | | | | 2 | 4 | -9.6 |
| | MAF-SC-02_4-6 | | | | | | | | | 4 | 6 | -11.6 |
| | MAF-SC-02_8-10 | | | | | | | | | 8 | 10 | -15.6 |
| | MAF-SC-02_12-14 | | | | | | | | | 12 | 14 | -19.6 |
| | MAF-SC-02_16-18 | | | | | | | | | 16 | 18 | -23.6 |
| | MAF-SC-02_20-22 | | | | | | | | | 20 | 22 | -27.6 |
| | MAF-SC-DUP-10 | | | | | | | | | 20 | 22 | -27.6 |
| MAF-03 | MAF-SC-03_0-2 | 11/11/15 | 1298947.6 | 358923.2 | 5.3 | 18.6 | -13.4 | Sonic | 25 | 0 | 2 | -13.4 |
| | MAF-SC-DUP-03 | | | | | | | | | 0 | 2 | -13.4 |
| | MAF-SC-03_2-4 | | | | | | | | | 2 | 4 | -15.4 |
| | MAF-SC-03_4-6 | | | | | | | | | 4 | 6 | -17.4 |
| | MAF-SC-03_8-10 | | | | | | | | | 8 | 10 | -21.4 |
| | MAF-SC-DUP-04 | | | | | | | | | 8 | 10 | -21.4 |
| | MAF-SC-03_12-14 | | | | | | | | | 12 | 14 | -25.4 |
| | MAF-SC-03_16-18 | | | | | | | | | 16 | 18 | -29.4 |
| | MAF-SC-03_21-23 | | | | | | | | | 20 | 22 | -33.4 |
| MAF-04 | MAF-SC-04_0-2 | 10/26/15 | 1299156.8 | 359181.0 | 4.8 | 15.2 | -10.5 | Vibracore | 10.5 | 0 | 2 | -10.5 |
| | MAF-SC-DUP-05 | | | | | | | | | 0 | 2 | -10.5 |
| | MAF-SC-04_2-4 | | | | | | | | | 2 | 4 | -12.5 |
| | MAF-SC-DUP-06 | | | | | | | | | 2 | 4 | -12.5 |
| | MAF-SC-04_4-6 | | | | | | | | | 4 | 6 | -14.5 |
| | MAF-SC-04_8-10 | | | | | | | | | 8 | 10 | -18.5 |
| | MAF-SC-04_10-12 | 11/10/15 | 1299166.9 | 359202.4 | 6.0 | 17.7 | -11.7 | Sonic | 20 | 10 | 12 | -21.7 |
| | MAF-SC-04_12-14 | | | | | | | | | 12 | 14 | -23.7 |
| | MAF-SC-04_16-18 | | | | | | | | | 16 | 18 | -27.7 |
| | MAF-SC-04_18-20 | | | | | | | | | 18 | 20 | -29.7 |

| Sample Location ¹ | Sample Identification | Date Sampled | Sample Coordinates ² NAD83/Washington State Plane North (US Survey Feet) | | Water Surface Elevation ³ (ft MLLW) | Depth of Water Column (ft) | Mudline Elevation (ft MLLW) | Sampling Method | Penetration Depth (ft bml) | Sample Interval (ft bml) | | Sample Elevation (ft MLLW) |
|------------------------------|-----------------------|--------------|---|----------|---|-------------------------------|--------------------------------|-----------------|-------------------------------|-----------------------------|--------|-------------------------------|
| | | | Easting | Northing | | | | | | Top | Bottom | |
| MAF-05 | MAF-SC-05_0-2 | 11/11/15 | 1299435.1 | 359255.6 | 9.3 | 19.3 | -10.1 | Sonic | 15 | 0 | 2 | -10.1 |
| | MAF-SC-05_2-4 | | | | | | | | | 2 | 4 | -12.1 |
| | MAF-SC-05_4-6 | | | | | | | | | 4 | 6 | -14.1 |
| | MAF-SC-05_8-10 | | | | | | | | | 8 | 10 | -18.1 |
| | MAF-SC-05_12-14 | | | | | | | | | 12 | 14 | -22.1 |
| MAF-07 | MAF-SC-07_0-2 | 10/29/15 | 1299660.9 | 359679.9 | 9.3 | 50.9 | -41.6 | Vibracore | 5 | 0 | 2 | -41.6 |
| | MAF-SC-07_2-4 | | | | | | | | | 2 | 4 | -43.6 |
| | MAF-SC-07_4-5 | | | | | | | | | 4 | 5 | -45.6 |
| MAF-10 | MAF-SC-10_0-2 | 10/29/15 | 1299080.4 | 359521.6 | 6.0 | 63.4 | -57.4 | Vibracore | 9 | 0 | 2 | -57.4 |
| | MAF-SC-DUP-07 | | | | | | | | | 0 | 2 | -57.4 |
| | MAF-SC-10_2-4 | | | | | | | | | 2 | 4 | -59.4 |
| | MAF-SC-10_4-6 | | | | | | | | | 4 | 6 | -61.4 |
| | MAF-SC-10_6-8 | | | | | | | | | 6 | 8 | -63.4 |
| MAF-11 | MAF-SC-11_0-2 | 10/28/15 | 1298798.2 | 359015.7 | 9.5 | 66.9 | -57.4 | Vibracore | 11 | 0 | 2 | -57.4 |
| | MAF-SC-11_2-4 | | | | | | | | | 2 | 4 | -59.4 |
| | MAF-SC-11_4-6 | | | | | | | | | 4 | 6 | -61.4 |
| | MAF-SC-11_6-8 | | | | | | | | | 6 | 8 | -63.4 |
| | MAF-SC-11_8-10 | | | | | | | | | 8 | 10 | -65.4 |
| | MAF-SC-11_10-11 | | | | | | | | | 10 | 11 | -67.4 |
| MAF-12 | MAF-SC-12_0-2 | 10/28/15 | 1298470.3 | 358637.0 | 4.8 | 60.7 | -56.0 | Vibracore | 12 | 0 | 2 | -56.0 |
| | MAF-SC-12_2-4 | | | | | | | | | 2 | 4 | -58.0 |
| | MAF-SC-12_5-6 | | | | | | | | | 5 | 6 | -61.0 |
| | MAF-SC-12_6-8 | | | | | | | | | 6 | 8 | -62.0 |
| | MAF-SC-12_8-10 | | | | | | | | | 8 | 10 | -64.0 |
| | MAF-SC-12_10-12 | | | | | | | | | 10 | 12 | -66.0 |
| MAF-13 | MAF-SC-13_0-2 | 10/27/15 | 1298258.3 | 358294.7 | 8.8 | 53.3 | -44.6 | Vibracore | 6 | 0 | 2 | -44.6 |
| | MAF-SC-13_2-4 | | | | | | | | | 2 | 4 | -46.6 |
| | MAF-SC-13_4-6 | | | | | | | | | 4 | 6 | -48.6 |
| MAF-14 | MAF-SC-14_0-2 | 10/28/15 | 1298324.6 | 358015.9 | 6.3 | 7.9 | -2.4 | Vibracore | 4.5 | 0 | 2 | -2.4 |
| | MAF-SC-14_2-3 | | | | | | | | | 2 | 3 | -4.4 |
| | MAF-SC-14_3.5-4.5 | | | | | | | | | 3.5 | 4.5 | -5.9 |
| MAF-15 | MAF-SC-15_0-2 | 10/28/15 | 1298406.1 | 357667.7 | 7.8 | 4.1 | 3.7 | Vibracore | 7.5 | 0 | 2 | 3.7 |
| | MAF-SC-DUP-08 | | | | | | | | | 0 | 2 | 3.7 |
| | MAF-SC-15_2-4 | | | | | | | | | 2 | 4 | 1.7 |
| | MAF-SC-15_4-6 | | | | | | | | | 4 | 6 | -0.4 |
| | MAF-SC-15_6-7.5 | | | | | | | | | 6 | 7.5 | -2.4 |
| MAF-16 | MAF-SC-16_1-2 | 10/28/15 | 1298201.2 | 357348.1 | 6.3 | 3.2 | 3.0 | Vibracore | 4 | 1 | 2 | 2.0 |
| | MAF-SC-16_2-4 | | | | | | | | | 2 | 4 | 1.0 |

| Sample Location ¹ | Sample Identification | Date Sampled | Sample Coordinates ² NAD83/Washington State Plane North (US Survey Feet) | | Water Surface Elevation ³ (ft MLLW) | Depth of Water Column (ft) | Mudline Elevation (ft MLLW) | Sampling Method | Penetration Depth (ft bml) | Sample Interval (ft bml) | | Sample Elevation (ft MLLW) |
|------------------------------|-----------------------|--------------|---|----------|---|-------------------------------|--------------------------------|-----------------|-------------------------------|-----------------------------|--------|-------------------------------|
| | | | Easting | Northing | | | | | | Top | Bottom | |
| MAF-17 | MAF-SC-17_0-2 | 10/27/15 | 1298060.2 | 357718.8 | 11.5 | 10.6 | 0.9 | Vibracore | 9 | 0 | 2 | 0.9 |
| | MAF-SC-17_2-4 | | | | | | | | | 2 | 4 | -1.1 |
| | MAF-SC-17_4-6 | | | | | | | | | 4 | 6 | -3.1 |
| | MAF-SC-17_8-9 | | | | | | | | | 8 | 9 | -7.1 |
| MAF-18 | MAF-SC-18_0-2 | 10/27/15 | 1298050.7 | 358051.8 | 3.5 | 29.2 | -25.7 | Vibracore | 8 | 0 | 2 | -25.7 |
| | MAF-SC-18_2-4 | | | | | | | | | 2 | 4 | -27.7 |
| | MAF-SC-18_4-6 | | | | | | | | | 4 | 6 | -29.7 |
| | MAF-SC-18_6-7 | | | | | | | | | 6 | 7 | -31.7 |
| | MAF-SC-18_7-8 | | | | | | | | | 7 | 8 | -32.7 |
| MAF-19 | MAF-SC-19_0-2 | 10/28/15 | 1298167.8 | 358645.1 | 5.0 | 88.0 | -83.0 | Vibracore | 10 | 0 | 2 | -83.0 |
| | MAF-SC-19_2-4 | | | | | | | | | 2 | 4 | -85.0 |
| | MAF-SC-19_4-6 | | | | | | | | | 4 | 6 | -87.0 |
| | MAF-SC-19_6-8 | | | | | | | | | 6 | 8 | -89.0 |
| | MAF-SC-19_8-10 | | | | | | | | | 8 | 10 | -91.0 |
| MAF-20 | MAF-SC-20_0-1 | 10/29/15 | 1298482.0 | 359012.5 | 6.3 | 84.8 | -78.6 | Vibracore | 4.5 | 0 | 1 | -78.6 |
| | MAF-SC-20_1-2 | | | | | | | | | 1 | 2 | -79.6 |
| | MAF-SC-20_2-3 | | | | | | | | | 2 | 3 | -80.6 |
| | MAF-SC-20_3-4.5 | | | | | | | | | 3 | 4.5 | -81.6 |
| MAF-21 | MAF-SC-21_0-1 | 10/29/15 | 1298786.1 | 359421.1 | 6.8 | 75.5 | -68.7 | Vibracore | 6 | 0 | 1 | -68.7 |
| | MAF-SC-DUP-09 | | | | | | | | | 0 | 1 | -68.7 |
| | MAF-SC-21_1-2 | | | | | | | | | 1 | 2 | -69.7 |
| | MAF-SC-21_2-4 | | | | | | | | | 2 | 4 | -70.7 |
| | MAF-SC-21_4-6 | | | | | | | | | 4 | 6 | -72.7 |
| MAF-23 | MAF-SC-23_0-2 | 10/27/15 | 1297796.0 | 357725.6 | 3.8 | 7.1 | -3.3 | Vibracore | 10 | 0 | 2 | -3.3 |
| | MAF-SC-23_2-4 | | | | | | | | | 2 | 4 | -5.3 |
| | MAF-SC-23_5-6 | | | | | | | | | 5 | 6 | -8.3 |
| | MAF-SC-23_6-8 | | | | | | | | | 6 | 8 | -9.3 |
| | MAF-SC-23_8-10 | | | | | | | | | 8 | 10 | -11.3 |
| MAF-24 | MAF-SC-24_1-2 | 10/26/15 | 1298007.4 | 357331.1 | 9.3 | 4.6 | 4.7 | Vibracore | 4.8 | 1 | 2 | 3.7 |
| | MAF-SC-24_2-4 | | | | | | | | | 2 | 4 | 2.7 |
| MAF-25 | MAF-SC-25_1-2 | 10/26/15 | 1298140.5 | 357487.0 | 10.0 | 6.6 | 3.4 | Vibracore | 4 | 1 | 2 | 2.4 |
| | MAF-SC-25_2-4 | | | | | | | | | 2 | 4 | 1.4 |
| MAF-26 | MAF-SC-26_1-2 | 10/29/15 | 1298067.7 | 357151.9 | 10.8 | 3.6 | 7.1 | Vibracore | 3 | 1 | 2 | 6.1 |
| | MAF-SC-26_2-3 | | | | | | | | | 2 | 3 | 5.1 |
| MAF-27 | MAF-SC-27_1-2 | 10/29/15 | 1298123.1 | 357225.9 | 11.3 | 4.2 | 7.0 | Vibracore | 3.5 | 1 | 2 | 6.0 |
| | MAF-SC-27_2-3.5 | | | | | | | | | 2 | 3.5 | 5.0 |
| MAF-28 | MAF-SC-28_0-2 | 10/29/15 | 1297839.1 | 356990.7 | 8.8 | 5.8 | 2.9 | Vibracore | 8 | 0 | 2 | 2.9 |
| | MAF-SC-28_2-4 | | | | | | | | | 2 | 4 | 0.9 |
| | MAF-SC-28_4-6 | | | | | | | | | 4 | 6 | -1.1 |
| | MAF-SC-28_6-8 | | | | | | | | | 6 | 8 | -3.1 |

| Sample Location ¹ | Sample Identification | Date Sampled | Sample Coordinates ² NAD83/Washington State Plane North (US Survey Feet) | | Water Surface Elevation ³ (ft MLLW) | Depth of Water Column (ft) | Mudline Elevation (ft MLLW) | Sampling Method | Penetration Depth (ft bml) | Sample Interval (ft bml) | | Sample Elevation (ft MLLW) |
|------------------------------|-----------------------|--------------|---|----------|---|-------------------------------|--------------------------------|-----------------|-------------------------------|-----------------------------|--------|-------------------------------|
| | | | Easting | Northing | | | | | | Top | Bottom | |
| MAF-29 | MAF-SC-29_0-2 | 10/27/15 | 1297828.1 | 357219.0 | 7.0 | 3.7 | 3.3 | Vibracore | 8 | 0 | 2 | 3.3 |
| | MAF-SC-29_2-4 | | | | | | | | | 2 | 4 | 1.3 |
| | MAF-SC-29_4-6 | | | | | | | | | 4 | 6 | -0.7 |
| | MAF-SC-29_6-8 | | | | | | | | | 6 | 8 | -2.7 |
| MAF-30 | MAF-SC-30_0-2 | 10/27/15 | 1297832.2 | 357456.7 | 6.0 | 3.9 | 2.1 | Vibracore | 10 | 0 | 2 | 2.1 |
| | MAF-SC-30_2-4 | | | | | | | | | 2 | 4 | 0.1 |
| | MAF-SC-30_4-6 | | | | | | | | | 4 | 6 | -1.9 |
| | MAF-SC-30_8-10 | | | | | | | | | 8 | 10 | -5.9 |
| MAF-55 | MAF-SC-55_0-2 | 11/12/18 | 1297941.7 | 358157.0 | 11.0 | 54.5 | -43.5 | Vibracore | 10 | 0 | 2 | -43.5 |
| | MAF-SC-55_2-4 | | | | | | | | | 2 | 4 | -45.5 |
| | MAF-SC-55_4-6 | | | | | | | | | 4 | 6 | -47.5 |
| | MAF-SC-55_6-8 | | | | | | | | | 6 | 8 | -49.5 |
| | MAF-SC-55_8-10 | | | | | | | | | 8 | 10 | -51.5 |
| MAF-56 | MAF-SC-56_0-2 | 11/12/18 | 1298332.6 | 358413.1 | 10.2 | 56.0 | -45.8 | Vibracore | 10 | 0 | 2 | -45.8 |
| | MAF-SC-56_2-4 | | | | | | | | | 2 | 4 | -47.8 |
| | MAF-SC-DUP-07 | | | | | | | | | 2 | 4 | -47.8 |
| | MAF-SC-56_4-6 | | | | | | | | | 4 | 6 | -49.8 |
| | MAF-SC-56_6-8 | | | | | | | | | 6 | 8 | -51.8 |
| | MAF-SC-56_8-10 | | | | | | | | | 8 | 10 | -53.8 |
| MAF-57 | MAF-SC-57_0-2 | 11/13/18 | 1298477.4 | 358421.4 | 10.2 | 52.5 | -42.3 | Vibracore | 10 | 0 | 2 | -42.3 |
| | MAF-SC-57_2-4 | | | | | | | | | 2 | 4 | -44.3 |
| | MAF-SC-57_4-6 | | | | | | | | | 4 | 6 | -46.3 |
| | MAF-SC-57_6-8 | | | | | | | | | 6 | 8 | -48.3 |
| | MAF-SC-57_8-9.8 | | | | | | | | | 8 | 9.8 | -50.3 |
| MAF-58 | MAF-SC-58_0-2 | 11/13/18 | 1298415.5 | 358559.4 | 10.8 | 48.0 | -37.2 | Vibracore | 10 | 0 | 2 | -37.2 |
| | MAF-SC-58_2-4 | | | | | | | | | 2 | 4 | -39.2 |
| | MAF-SC-58_4-6 | | | | | | | | | 4 | 6 | -41.2 |
| | MAF-SC-58_6-8 | | | | | | | | | 6 | 8 | -43.2 |
| | MAF-SC-58_8-10 | | | | | | | | | 8 | 10 | -45.2 |
| MAF-59 | MAF-SC-59_0-2 | 11/12/18 | 1298676.0 | 358814.4 | 7.8 | 58.7 | -50.9 | Vibracore | 13 | 0 | 2 | -50.9 |
| | MAF-SC-59_2-4 | | | | | | | | | 2 | 4 | -52.9 |
| | MAF-SC-59_4-6 | | | | | | | | | 4 | 6 | -54.9 |
| | MAF-SC-59_6-8 | | | | | | | | | 6 | 8 | -56.9 |
| | MAF-SC-59_8-10 | | | | | | | | | 8 | 10 | -58.9 |
| | MAF-SC-59_10-12 | | | | | | | | | 10 | 12 | -60.9 |
| MAF-60 | MAF-SC-60_0-2 | 11/12/18 | 1298657.1 | 358634.0 | 8.8 | 48.3 | -39.5 | Vibracore | 14.5 | 0 | 2 | -39.5 |
| | MAF-SC-60_2-4 | | | | | | | | | 2 | 4 | -41.5 |
| | MAF-SC-60_4-6 | | | | | | | | | 4 | 6 | -43.5 |
| | MAF-SC-60_6.5-8 | | | | | | | | | 6.5 | 8 | -46.0 |
| | MAF-SC-60_8-10 | | | | | | | | | 8 | 10 | -47.5 |
| | MAF-SC-60_10-12 | | | | | | | | | 10 | 12 | -49.5 |

| Sample Location ¹ | Sample Identification | Date Sampled | Sample Coordinates ² NAD83/Washington State Plane North (US Survey Feet) | | Water Surface Elevation ³ (ft MLLW) | Depth of Water Column (ft) | Mudline Elevation (ft MLLW) | Sampling Method | Penetration Depth (ft bml) | Sample Interval (ft bml) | | Sample Elevation (ft MLLW) |
|------------------------------|-----------------------|--------------|---|----------|---|-------------------------------|--------------------------------|-----------------|-------------------------------|-----------------------------|--------|-------------------------------|
| | | | Easting | Northing | | | | | | Top | Bottom | |
| MAF-61 | MAF-SC-61_0-2 | 11/12/18 | 1298160.0 | 358298.4 | 15.3 | 54.8 | -39.5 | Vibracore | 9.75 | 0 | 2 | -39.5 |
| | MAF-SC-61_2-4 | | | | | | | | | 2 | 4 | -41.5 |
| | MAF-SC-61_4-6 | | | | | | | | | 4 | 6 | -43.5 |
| | MAF-SC-61_6-8 | | | | | | | | | 6 | 8 | -45.5 |
| | MAF-SC-61_8-9.8 | | | | | | | | | 8 | 9.8 | -47.5 |

Notes:

¹ Sediment core sampling locations are shown on Figure 10.

² Obtained using a differential global positioning system (DGPS) and/or hand-held Trimble GPS device.

³ Surface water elevations are base on one of two surveyed tideboards established for the Marine Area RI.

ft = feet

cm = centimeter

bml = below mudline

NAD83 = North American Datum of 1983

MLLW = mean lower low water

DRAFT

SOIL CLASSIFICATION CHART

| MAJOR DIVISIONS | | | SYMBOLS | | TYPICAL DESCRIPTIONS | |
|----------------------|--|---|---|-----------|--|---|
| | | | GRAPH | LETTER | | |
| COARSE GRAINED SOILS | GRAVEL AND GRAVELLY SOILS | CLEAN GRAVELS (LITTLE OR NO FINES) | | GW | WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES | |
| | | GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES) | | GP | POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES | |
| | | GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES) | | GM | SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES | |
| | MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | SAND AND SANDY SOILS | CLEAN SANDS (LITTLE OR NO FINES) | | GC | CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES |
| | | | CLEAN SANDS (LITTLE OR NO FINES) | | SW | WELL-GRADED SANDS, GRAVELLY SANDS |
| | | | SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES) | | SP | POORLY-GRADED SANDS, GRAVELLY SAND |
| FINE GRAINED SOILS | SILTS AND CLAYS | LIQUID LIMIT LESS THAN 50 | | SM | SILTY SANDS, SAND - SILT MIXTURES | |
| | | | | SC | CLAYEY SANDS, SAND - CLAY MIXTURES | |
| | | | | ML | INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY | |
| | MORE THAN 50% PASSING NO. 200 SIEVE | SILTS AND CLAYS | LIQUID LIMIT GREATER THAN 50 | | CL | INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS |
| | | | | | OL | ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY |
| | | | | | MH | INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS |
| HIGHLY ORGANIC SOILS | | | | CH | INORGANIC CLAYS OF HIGH PLASTICITY | |
| | | | | OH | ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY | |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS | |

NOTE: Multiple symbols are used to indicate borderline or dual soil classifications

Sampler Symbol Descriptions

| | |
|--|---------------------------------|
| | 2.4-inch I.D. split barrel |
| | Standard Penetration Test (SPT) |
| | Shelby tube |
| | Piston |
| | Direct-Push |
| | Bulk or grab |
| | Continuous Coring |

Blowcount is recorded for driven samplers as the number of blows required to advance sampler 12 inches (or distance noted). See exploration log for hammer weight and drop.

"P" indicates sampler pushed using the weight of the drill rig.

"WOH" indicates sampler pushed using the weight of the hammer.

NOTE: The reader must refer to the discussion in the report text and the logs of explorations for a proper understanding of subsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative of subsurface conditions at other locations or times.

ADDITIONAL MATERIAL SYMBOLS

| SYMBOLS | | TYPICAL DESCRIPTIONS |
|---------|------------|----------------------------|
| GRAPH | LETTER | |
| | AC | Asphalt Concrete |
| | CC | Cement Concrete |
| | CR | Crushed Rock/Quarry Spalls |
| | SOD | Sod/Forest Duff |
| | TS | Topsoil |

Groundwater Contact



Measured groundwater level in exploration, well, or piezometer



Measured free product in well or piezometer

Graphic Log Contact



Distinct contact between soil strata



Approximate contact between soil strata

Material Description Contact



Contact between geologic units



Contact between soil of the same geologic unit

Laboratory / Field Tests

| | |
|------|--|
| %F | Percent fines |
| %G | Percent gravel |
| AL | Atterberg limits |
| CA | Chemical analysis |
| CP | Laboratory compaction test |
| CS | Consolidation test |
| DD | Dry density |
| DS | Direct shear |
| HA | Hydrometer analysis |
| MC | Moisture content |
| MD | Moisture content and dry density |
| Mohs | Mohs hardness scale |
| OC | Organic content |
| PM | Permeability or hydraulic conductivity |
| PI | Plasticity index |
| PL | Point lead test |
| PP | Pocket penetrometer |
| SA | Sieve analysis |
| TX | Triaxial compression |
| UC | Unconfined compression |
| VS | Vane shear |

Sheen Classification

| | |
|----|------------------|
| NS | No Visible Sheen |
| SS | Slight Sheen |
| MS | Moderate Sheen |
| HS | Heavy Sheen |


Key to Exploration Logs



Figure L-1


| | | | | | |
|---|------------------------|------------------------|---------------------------------------|------------------------------------|---|
| Start Drilled 10/20/2015 | End 10/20/2015 | Total Depth (m) 0.2 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -3.89 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1299021.1 358809.13 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 14.14 Water Elevation (ft) 10.25 |
| Notes: Eelgrass observed at the time of sample collection | | | | 10:50:00 AM | |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|--|------------|-------------|------------------|------------------------|-------------|-------------------------|---------------------------------------|-------|------------------|------------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| -3.9 | 0.0 | 100 | | MAF-SS-01_0-10 CA | | ML | Dark gray silt and wood debris (bark) | NS | <5% | Slight H ₂ S odor |
| -4.0 | 0.1 | | | | | | | | | |
| 0.2 | | | | | | | | | | |
| Note: See Figure L-1 for explanation of symbols. | | | | | | | | | | |

| Log of Boring MAF-SS-01 | | | |
|---|-------------------|----------------------------|----------------------------|
|  | Project: | Weyerhaeuser Mill A Former | |
| | Project Location: | Everett, Washington | |
| | Project Number: | 0676-020-04 | |
| | | | Figure L-2 Sheet 1 of 1 |


| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|---|
| Start Drilled 10/20/2015 | End 10/20/2015 | Total Depth (m) 0.13 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -4.71 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1299224.25 359084.14 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 14.21 Water Elevation (ft) 9.5 |
| Notes: | | | | 10:10:00 AM | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|---|------------|-------------|----------------------|-------------|-------------------------|--|------------------|---------|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | |
| 0.0 | 100 | | MAF-SS-02 0-10 CA | | SM | Dark gray silty fine sand with occasional shell fragments and wood debris (lumber) | NS 10% | No odor |
| -4.8 | 0.1 | | | | | | | |
| <p>Note: See Figure L-1 for explanation of symbols.</p> | | | | | | | | |

| Log of Boring MAF-SS-02 | | |
|---|-------------------|----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-04 |
| | | Figure L-3 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|------------------------|------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/20/2015 | End 10/20/2015 | Total Depth (m) 0.2 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -15.27 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298929.05 358923.3 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 11:10:00 AM 25.52 |
| Notes: | | | | Water Elevation (ft) 10.25 | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|--|------------|-------------|-------------------|-------------|-------------------------|--|------------------|---|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | |
| 0.0 | | 100 | MAF-SS-03 0-10 CA | | SM | Dark gray silty fine sand with wood debris (sawdust) | MS 50% | Heavy H ₂ S odor, trace small crab |
| -15.3 | | | | | | | | |
| -15.4 | | | | | | | | |
| 0.1 | | | | | | | | |
| 0.2 | | | | | | | | |
| Note: See Figure L-1 for explanation of symbols. | | | | | | | | |

| Log of Boring MAF-SS-03 | | |
|---|-------------------|----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-04 |
| | | Figure L-4 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/20/2015 | End 10/20/2015 | Total Depth (m) 0.13 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -11.74 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1299156.77 359181.04 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 10:30:00 AM 21.74 |
| Notes: | | | | Water Elevation (ft) 10 | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|------------------------|---|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | |
| 0.0 | 100 | | | MAF-SS-04_0-10 CA | | | | |
| 11.8 | | | | | | | | |
| 0.1 | | | | | | | | |
| | | | | | Wood debris (sawdust) with dark gray silt and trace shell fragments | SS | 75% | No odor |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-04




Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-5
Sheet 1 of 1

| | | | | | |
|---|-------------------------|------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/19/2015 | End 10/19/2015 | Total Depth (m) 0.2 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -4.1 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1299413.34 359226.94 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 9:50:00 AM |
| Notes: Eelgrass observed at the time of sample collection | | | | 13.1 | Water Elevation (ft) 9 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|--|------------|-------------|------------------|--------------------------|-------------|-------------------------|--|-------|------------------|------------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | | MAF-SS- 05_0-10 CA | | SM | Dark gray silty fine sand with occasional shell fragments and trace wood debris | NS | <1% | Slight H ₂ S odor |
| 0.1 | | | | | | | | | | |
| 0.2 | | | | | | | | | | |
| Note: See Figure L-1 for explanation of symbols. | | | | | | | | | | |


| Log of Boring MAF-SS-05 | | |
|---|-------------------|----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-04 |
| | | Figure L-6 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/20/2015 | End 10/20/2015 | Total Depth (m) 0.12 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -40.63 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1299663.76 359696.31 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 1:50:00 PM |
| Notes: | | | | 8.75 | Water Elevation (ft) |

| Elevation (feet) | Depth (meters) | FIELD DATA | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|----------------|------------|-------------|--|-------------|----------------------|--|-------|------------------|---|
| | | Interval | Recovered % | Collected Sample Sample Name Testing | | | | | | |
| 0.0 | | Interval | Recovered % | Collected Sample | | SM | Dark gray silty fine sand and occasional wood debris (chips) | NS | 5% | Slight H ₂ S odor, worms, trace organic matter (roots) |
| 40.7 | | | 100 | MAF-SS-07 0-10 CA | | | | | | |
| 0.1 | | | | | | | | | | |

DRAFT

Note: See Figure L-1 for explanation of symbols.

| Log of Boring MAF-SS-07 | | | |
|---|-------------------|----------------------------|----------------------------|
|  | Project: | Weyerhaeuser Mill A Former | |
| | Project Location: | Everett, Washington | |
| | Project Number: | 0676-020-04 | |
| | | | Figure L-7 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/19/2015 | End 10/19/2015 | Total Depth (m) 0.14 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -43.66 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1299991.59 359954.77 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 11:20:00 AM 55.41 |
| Notes: | | | | Water Elevation (ft) 11.75 | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|------------------------|-------------------------|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | |
| 0.0 | 100 | | | MAF-SS-08 0-10 CA | | | | |
| 43.7 | | | | | | | | |
| 0.1 | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-08



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-8
Sheet 1 of 1

| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|---|
| Start Drilled 10/19/2015 | End 10/19/2015 | Total Depth (m) 0.13 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -44.52 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1299688.88 360174.17 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 10:50:00 AM |
| Notes: | | | | 56.27 | Water Elevation (ft) 11.75 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|-------------|-------------------------|---|-------|------------------|---|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | | MAF-SS- 09_0-10 CA | | ML | Dark gray silt and wood debris (bark, twigs and trace sawdust) | NS | <25% | Slight H ₂ S odor, trace worms |
| 44.6 | | | | | | | | | | |
| 0.1 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-09



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-9
Sheet 1 of 1

| | | | | | |
|-----------------------------|----------------------|------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/20/2015 | End 10/20/2015 | Total Depth (m) 0.2 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -51.7 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1299120 359536.15 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 9:20:00 AM |
| Notes: | | | | 60.7 | Water Elevation (ft) 9 |

| Elevation (feet) | Depth (meters) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|----------------|------------|-------------|------------------|--------------------------|-------------|-------------------------|--|-------|------------------|--|
| | | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 51.7 | 0.0 | | 100 | | MAF-SS- 10_0-10 CA | | ML | Dark gray silt and trace wood debris (bark and sawdust) | NS | <5% | Slight H ₂ S odor, occasional worms |
| 51.8 | 0.1 | | | | | | | | | | |
| | 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-10




Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-10
Sheet 1 of 1

| | | | | | |
|-----------------------------|------------------------|-------------------------|---------------------------------------|------------------------------------|---|
| Start Drilled 10/20/2015 | End 10/20/2015 | Total Depth (m) 0.15 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -48.5 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298800.9 359022.33 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 58.5 Water Elevation (ft) 10 |
| Notes: | | | | 1:00:00 PM | |

| Elevation (feet) | Depth (meters) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|---|----------------|------------|-------------|--------------------------|------------------------|-------------|-------------------------|---|-------|------------------|--------------------------------|
| | | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 48.5 | 0.0 | Interval | 100 | MAF-SS- 11_0-10 CA | | | SM | Dark gray silty fine sand with wood debris (chips) and trace shell fragments | NS | 75% | Moderate H ₂ S odor |
| 48.6 | 0.1 | | | | | | | | | | |
| <p>Note: See Figure L-1 for explanation of symbols.</p> | | | | | | | | | | | |

| Log of Boring MAF-SS-11 | | |
|---|-------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-04 |
| | | Figure L-11 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/20/2015 | End 10/20/2015 | Total Depth (m) 0.16 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -55.62 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298485.67 358651.86 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 1:20:00 PM |
| Notes: | | | | 65.62 | Water Elevation (ft) 10 |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|--|-------|------------------|-----------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | |
| 0.0 | 100 | | | MAF-SS- 12_0-10 CA | | | | |
| 55.7 | | | | | | | | |
| 0.1 | | | | | | | | |
| | | | | | Dark gray-black silty fine sand and occasional wood debris (lumber) | NS | 15% | Heavy H ₂ S odor |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-12



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-12
Sheet 1 of 1

| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/20/2015 | End 10/20/2015 | Total Depth (m) 0.17 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -41.84 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298263.23 358311.46 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 1:40:00 PM |
| Notes: | | | | 51.84 | Water Elevation (ft) 10 |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|-------------------------|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | |
| 0.0 | 100 | | | MAF-SS- 13 0-10 CA | | | | |
| 41.9 | | | | | | | | |
| 0.1 | | | | | | | | |
| 42.0 | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-13



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-13
Sheet 1 of 1

| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/21/2015 | End 10/21/2015 | Total Depth (m) 0.18 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | 7.08 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298413.33 357667.49 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 3.67 Water Elevation (ft) 10.75 |
| Notes: | | | | 2:20:00 PM | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|---|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | |
| 0.0 | 100 | | | MAF-SS- 15 0-10 CA | | | | |
| 0.1 | | | | | | | | |
| | | | | | Light brown fine to coarse sand with occasional gravel, trace wood debris (bark) and shell fragments | NS | <1% | No odor |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-15




Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-15
Sheet 1 of 1

| | | | | |
|---|--|---|--|--|
| <div>Start Drilled 10/21/2015</div> <div>End 10/21/2015</div> | <div>Total Depth (m)</div> <div>0.2</div> | <div>Logged By Checked By</div> <div>RST IHW</div> | <div>Driller Gravity Environmental, LLC</div> | <div>Drilling Method</div> <div>Power Grab</div> |
| <div>Mudline Elevation (ft)</div> <div>6.94</div> | <div>Vertical Datum</div> <div>MLLW</div> | <div>Drilling Equipment</div> <div>Research Vessel Tieton</div> | | |
| <div>Easting (X)</div> <div>1298205.11</div> | <div>Horizontal Datum</div> <div>WA State Plane,North NAD83 (feet)</div> | <div>Surface Water</div> <div>Time Measured</div> <div>2:00:00 PM</div> | <div>Depth to Mudline (ft)</div> <div>3.81</div> | <div>Water Elevation (ft)</div> <div>10.75</div> |
| <div>Notes:</div> | | | | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|---|------------|-------------|------------------|---------------------|----------------------|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | |
| 0.0 | 100 | | | MAF-SS-16 0-10 CA | | | | |
| 0.1 | | | | | | | | |
| 0.2 | | | | | | | | |
| <p>Note: See Figure L-1 for explanation of symbols.</p> | | | | | | | | |

| Log of Boring MAF-SS-16 | | |
|---|-------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-04 |
| | | Figure L-16 Sheet 1 of 1 |

| | | | | |
|---|---|---|---|---|
| <div>Start Drilled 10/21/2015</div> <div>End 10/21/2015</div> | <div>Total Depth (m) 0.25</div> | <div>Logged By Checked By RST IHW</div> | <div>Driller Gravity Environmental, LLC</div> | <div>Drilling Method Power Grab</div> |
| <div>Mudline Elevation (ft) 1.95</div> | <div>Vertical Datum MLLW</div> | <div>Drilling Equipment Research Vessel Tieton</div> | | |
| <div>Easting (X) 1298047.6</div> <div>Northing (Y) 357719.57</div> | <div>Horizontal Datum WA State Plane,North NAD83 (feet)</div> | <div>Surface Water</div> <div>Time Measured 10:50:00 AM</div> | <div>Depth to Mudline (ft) 7.55</div> | <div>Water Elevation (ft) 9.5</div> |
| <div>Notes:</div> | | | | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|-------------------|-------------|--|-------|------------------|---------------------------------------|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | |
| 0.0 | | 100 | MAF-SS-17 0-10 CA | | Light brown fine to medium sand and trace wood debris (bark) | NS | <1% | No odor, trace ghost shrimp and worms |
| 0.1 | | | | | | | | |
| 0.2 | | | | | | | | |
| 0.9 | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-17



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-17
Sheet 1 of 1

| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|-----------------------------------|
| Start Drilled 10/21/2015 | End 10/21/2015 | Total Depth (m) 0.18 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -41.87 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298026.68 358068.09 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 49.87 |
| Notes: | | | | 10:10:00 AM | Water Elevation (ft) 8 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|-------------|-------------------------|--|-------|------------------|----------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | | MAF-SS- 18 0-10 CA | | SM | Dark gray silty fine sand and trace wood debris (bark) | NS | <1% | No odor, trace worms |
| 41.9 | | | | | | | | | | |
| 0.1 | | | | | | | | | | |
| 42.0 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-18



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-18
Sheet 1 of 1

| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/20/2015 | End 10/20/2015 | Total Depth (m) 0.18 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -75.3 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298181.32 358638.04 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 2:00:00 PM 85.3 |
| Notes: | | | | Water Elevation (ft) 10 | |

| Elevation (feet) | | Depth (meters) | | FIELD DATA | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|-------------|--------------------------|------------------------|------------|--|-------------|-------------------------|---|-------|------------------|---|
| Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | | | |
| 75.3 — 0.0 | 100 | MAF-SS- 19_0-10 CA | | | | | SM | Gray silty fine sand and occasional wood debris (lumber) | NS | 10% | Slight H ₂ S odor, trace worms |
| 75.4 — 0.1 | | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-19



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-19
Sheet 1 of 1

| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/20/2015 | End 10/20/2015 | Total Depth (m) 0.19 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -77.22 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298500.72 359045.76 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 2:20:00 PM |
| Notes: | | | | 86.97 | Water Elevation (ft) 9.75 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|-------------|-------------------------|--|-------|------------------|----------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | | MAF-SS- 20_0-10 CA | | ML | Gray sandy silt and trace wood debris (lumber) | NS | 1% | No odor, trace worms |
| -77.3 | | | | | | | | | | |
| 0.1 | | | | | | | | | | |
| -77.4 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-20




Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-20
Sheet 1 of 1


| | | | | | |
|-----------------------------|-------------------------|------------------------|---------------------------------------|------------------------------------|---|
| Start Drilled 10/21/2015 | End 10/21/2015 | Total Depth (m) 0.1 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -67.73 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298784.67 359439.42 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 75.23 Water Elevation (ft) 7.5 |
| Notes: | | | | 9:40:00 AM | |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|---|------------|-------------|------------------|--------------------------|-------------|-------------------------|--|-------|------------------|------------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | | MAF-SS- 21_0-10 CA | | ML | Dark gray sandy silt and occasional wood debris (bark and lumber) | NS | 10% | Slight H ₂ S odor |
| 67.8 | | | | | | | | | | |
| 0.1 | | | | | | | | | | |
| <p>Note: See Figure L-1 for explanation of symbols.</p> | | | | | | | | | | |

| Log of Boring MAF-SS-21 | | |
|---|-------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-04 |
| | | Figure L-21 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/21/2015 | End 10/21/2015 | Total Depth (m) 0.15 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -61.33 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1299121.88 359872.04 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 9:20:00 AM |
| Notes: | | | | 68.83 | Water Elevation (ft) 7.5 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|--|------------|-------------|------------------|--------------------------|-------------|-------------------------|---|-------|------------------|---------------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | | MAF-SS- 22 0-10 CA | | ML | Dark gray sandy silt and trace wood debris (bark) | NS | <1% | No odor, occasional sea lettuce |
| 61.4 | | | | | | | | | | |
| 0.1 | | | | | | | | | | |
| Note: See Figure L-1 for explanation of symbols. | | | | | | | | | | |

| Log of Boring MAF-SS-22 | | |
|---|-------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-04 |
| | | Figure L-22 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|------------------------|-------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/21/2015 | End 10/21/2015 | Total Depth (m) 0.13 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -2.18 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1297791.4 357722.09 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 10.93 Water Elevation (ft) 8.75 |
| Notes: | | | | 10:30:00 AM | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|----------------------------|------------|-------------|--------------------------|------------------------|-------------------------|---|------------------|--|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | |
| 0.0 -2.2 0.1 -2.3 | Interval | 100 | MAF-SS- 23 0-10 CA | Graphic Log | SP | Light brown fine to medium sand and trace wood debris (bark) | NS <1% | No odor, trace dungeness crab and ghost shrimp |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-23



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-23
Sheet 1 of 1

| | | | | |
|---|---|---|---|---|
| <div>Start Drilled 10/21/2015</div> <div>End 10/21/2015</div> | <div>Total Depth (m) 0.23</div> | <div>Logged By Checked By RST IHW</div> | <div>Driller Gravity Environmental, LLC</div> | <div>Drilling Method Power Grab</div> |
| <div>Mudline Elevation (ft) 5.42</div> | <div>Vertical Datum MLLW</div> | <div>Drilling Equipment Research Vessel Tieton</div> | | |
| <div>Easting (X) 1298013.59</div> <div>Northing (Y) 357332.37</div> | <div>Horizontal Datum WA State Plane,North NAD83 (feet)</div> | <div>Surface Water</div> <div>Time Measured 12:10:00 PM</div> | <div>Depth to Mudline (ft) 5.58</div> | <div>Water Elevation (ft) 11</div> |
| <div>Notes:</div> | | | | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|---------------------|----------------------|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | |
| 0.0 | 100 | | | MAF-SS-24 0-10 CA | | | | |
| 0.1 | | | | | | | | |
| 0.2 | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-24



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-24
Sheet 1 of 1

| | | | | | |
|-----------------------------|---|-------------------------|--|------------------------------------|-------------------------------|
| Start Drilled 10/21/2015 | End 10/21/2015 | Total Depth (m) 0.23 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) 5.4 | Vertical Datum MLLW | | Drilling Equipment Research Vessel Tieton | | |
| Easting (X) 1298155.38 | Horizontal Datum WA State Plane, North NAD83 (feet) | | Surface Water | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: | | | Time Measured 11:50:00 AM | 5.35 | 10.75 |

| FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|----------------|----------|-------------|-------------|-------------------------|--|-------|------------------|---------|
| Elevation (feet) | Depth (meters) | Interval | Recovered % | | | | | | |
| 1.0 — | 0.0 | | 100 | | | Light brown fine to medium sand and trace wood debris (bark) | NS | <1% | No odor |
| | 0.1 | | | | | | | | |
| | 0.2 | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-25




Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-25
Sheet 1 of 1

| | | | | | |
|-----------------------------|---|------------------------|--|------------------------------------|-------------------------------|
| Start Drilled 10/21/2015 | End 10/21/2015 | Total Depth (m) 0.1 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) 8.49 | Vertical Datum MLLW | | Drilling Equipment Research Vessel Tieton | | |
| Easting (X) 1298052.69 | Horizontal Datum WA State Plane, North NAD83 (feet) | | Surface Water | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: | | | Time Measured 1:30:00 PM | 2.76 | 11.25 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|---|------------|-------------|------------------|--------------------------|-------------|-------------------------|---|-------|------------------|-------------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | | MAF-SS- 26_0-10 CA | | SP | Light brown fine to coarse sand with occasional gravel, trace wood debris (bark) and shell fragments | NS | <1% | No odor, occasional barnacles |
| 0.1 | | | | | | | | | | |
| <p>Note: See Figure L-1 for explanation of symbols.</p> | | | | | | | | | | |

| Log of Boring MAF-SS-26 | | |
|---|-------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-04 |
| | | Figure L-26 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/21/2015 | End 10/21/2015 | Total Depth (m) 0.16 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | 8.92 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298181.24 357224.11 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 2.33 Water Elevation (ft) 11.25 |
| Notes: | | | | 1:40:00 PM | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|---|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | |
| 0.0 | 100 | | | MAF-SS- 27 0-10 CA | | | | |
| 0.1 | | | | | | | | |
| | | | | | Light brown fine to coarse sand with occasional gravel, trace wood debris (bark) and shell fragments | NS | <1% | No odor |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-27



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-27
Sheet 1 of 1

| | | | | | |
|-----------------------------|---|-------------------------|--|------------------------------------|-------------------------------|
| Start Drilled 10/21/2015 | End 10/21/2015 | Total Depth (m) 0.23 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) 5.31 | Vertical Datum MLLW | | Drilling Equipment Research Vessel Tieton | | |
| Easting (X) 1297864.65 | Horizontal Datum WA State Plane, North NAD83 (feet) | | Surface Water | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: | | | Time Measured 1:00:00 PM | 5.94 | 11.25 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|-------------|-------------------------|--|-------|------------------|----------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | | MAF-SS- 28 0-10 CA | | SP | Light brown fine to coarse sand and trace wood debris (bark) and shell fragments | NS | <1% | No odor, trace sea lettuce |
| 0.1 | | | | | | | | | | |
| 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-28



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-28
Sheet 1 of 1

| | | | | |
|---|---|---|---|---|
| <div>Start Drilled 10/21/2015</div> <div>End 10/21/2015</div> | <div>Total Depth (m) 0.18</div> | <div>Logged By Checked By RST IHW</div> | <div>Driller Gravity Environmental, LLC</div> | <div>Drilling Method Power Grab</div> |
| <div>Mudline Elevation (ft) 4.55</div> | <div>Vertical Datum MLLW</div> | <div>Drilling Equipment Research Vessel Tieton</div> | | |
| <div>Easting (X) 1297829.15</div> <div>Northing (Y) 357217.92</div> | <div>Horizontal Datum WA State Plane,North NAD83 (feet)</div> | <div>Surface Water</div> <div>Time Measured 11:30:00 AM</div> | <div>Depth to Mudline (ft) 5.7</div> | <div>Water Elevation (ft) 10.25</div> |
| <div>Notes:</div> | | | | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|------------------------|--|-------|------------------|-------------------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | |
| 0.0 | 100 | | | MAF-SS-29 0-10 CA | | | | |
| 0.1 | | | | | | | | |
| | | | | | Light brown fine to medium sand with occasional shells and gravel and trace wood debris (bark) | NS | <1% | No odor, occasional clams and worms |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-29




Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-29
Sheet 1 of 1

| | | | | | |
|-----------------------------|---|------------------------|--|------------------------------------|-------------------------------|
| Start Drilled 10/21/2015 | End 10/21/2015 | Total Depth (m) 0.2 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) 2.26 | Vertical Datum MLLW | | Drilling Equipment Research Vessel Tieton | | |
| Easting (X) 1297819.11 | Horizontal Datum WA State Plane, North NAD83 (feet) | | Surface Water | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: | | | Time Measured 11:10:00 AM | 7.74 | 10 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|-------------|-------------------------|--|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 1.0 — 0.0 | | 100 | | MAF-SS- 30 0-10 CA | | SP | Light brown fine to medium sand with trace shell fragments and trace wood debris (bark) | NS | <1% | No odor |
| 0.1 | | | | | | | | | | |
| 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

| Log of Boring MAF-SS-30 | | |
|---|-------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-04 |
| | | Figure L-30 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|-------------------------|------------------------|---------------------------------------|------------------------------------|---|
| Start Drilled 10/19/2015 | End 10/19/2015 | Total Depth (m) 0.2 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -41.8 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1299458.99 359861.82 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) Water Elevation (ft) |
| Notes: | | | | 1:30:00 PM | 51.55 9.75 |

| Elevation (feet) | Depth (meters) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|----------------|------------|-------------|------------------|--------------------------|-------------|-------------------------|--|-------|------------------|--------------------------------|
| | | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 41.8 | 0.0 | | 100 | | MAF-SS- 31_0-10 CA | | ML | Dark gray silt and occasional wood debris (bark) | NS | 10% | Moderate H ₂ S odor |
| 41.9 | 0.1 | | | | | | | | | | |
| 0.2 | | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-31




Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-31
Sheet 1 of 1


| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|---|
| Start Drilled 10/19/2015 | End 10/19/2015 | Total Depth (m) 0.12 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -41.35 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1300163.82 359896.17 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 12:00:00 PM |
| Notes: | | | | 51.35 | Water Elevation (ft) 10 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|---|------------|-------------|------------------|--------------------------|-------------|-------------------------|--|-------|------------------|-----------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | | MAF-SS- 32 0-10 CA | | ML | Black silt with wood debris (bark) and occasional shell fragments | NS | 40% | Heavy H ₂ S odor |
| 41.4 | | | | | | | | | | |
| 0.1 | | | | | | | | | | |
| <p>Note: See Figure L-1 for explanation of symbols.</p> | | | | | | | | | | |

| Log of Boring MAF-SS-32 | | |
|---|-------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-04 |
| | | Figure L-32 Sheet 1 of 1 |

| | | | | | |
|---|-------------------------|-------------------------|---------------------------------------|------------------------------------|---|
| Start Drilled 10/19/2015 | End 10/19/2015 | Total Depth (m) 0.14 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -40.38 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1299797.84 359587.21 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 48.88 Water Elevation (ft) 8.5 |
| Notes: Eelgrass observed at the time of sample collection | | | | 2:10:00 PM | |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|--|-------------------|-------------|------------------|--------------------------|-------------|-------------------------|---|-------|------------------|--|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 40.4 — 40.5 — | 0.0 100 0.1 | | | MAF-SS- 33 0-10 CA | | ML | Dark gray silt and trace wood debris (bark) | NS | <1% | Slight H ₂ S odor, occasional organic matter (roots) |
| Note: See Figure L-1 for explanation of symbols. | | | | | | | | | | |

| Log of Boring MAF-SS-33 | | | |
|---|-------------------|----------------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former | |
| | Project Location: | Everett, Washington | |
| | Project Number: | 0676-020-04 | |
| | | | Figure L-33 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/20/2015 | End 10/20/2015 | Total Depth (m) 0.16 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -7.81 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298878.92 358749.54 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 18.31 Water Elevation (ft) 10.5 |
| Notes: | | | | 12:30:00 PM | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|-------------------------|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | |
| 0.0 | 100 | | | MAF-SS- 34 0-10 CA | | | | |
| -7.9 | | | | | | | | |
| 0.1 | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-34




Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-34
Sheet 1 of 1


| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/19/2015 | End 10/19/2015 | Total Depth (m) 0.14 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -52.88 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1299438.45 360251.12 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 10:20:00 AM 64.63 |
| Notes: | | | | Water Elevation (ft) 11.75 | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|---|------------|-------------|-------------------|------------------------|-------------------------|--|------------------|--------------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | |
| 52.9 — 0.0 0.1 53.0 — | Interval | 100 | MAF-SS-35 0-10 CA | MAF-SS-35 0-10 CA | ML | Dark gray silt and occasional wood debris (bark and twigs) and trace shell fragments | NS 10% | Moderate H ₂ S odor |
| <p>Note: See Figure L-1 for explanation of symbols.</p> | | | | | | | | |

| Log of Boring MAF-SS-35 | | |
|---|-------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-04 |
| | | Figure L-35 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|------------------------|------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/19/2015 | End 10/19/2015 | Total Depth (m) 0.1 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Power Grab |
| Mudline Elevation (ft) | -43.96 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1299733.22 360427.6 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 9:50:00 AM |
| Notes: | | | | 55.71 | Water Elevation (ft) 11.75 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|---|------------|-------------|------------------|--------------------------|-------------|-------------------------|---|-------|------------------|--------------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | | MAF-SS- 36 0-10 CA | | ML | Black shell hash with silt and trace wood debris (bark) | NS | <1% | Moderate H ₂ S odor |
| 44.0 — | | | | | | | | | | |
| 0.1 | | | | | | | | | | |
| <p>Note: See Figure L-1 for explanation of symbols.</p> | | | | | | | | | | |

| Log of Boring MAF-SS-36 | | |
|---|-------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-04 |
| | | Figure L-36 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|-------------------------|-------------------------|------------------------------------|----------------------------------|-------------------------------|
| Start Drilled 9/13/2016 | End 9/13/2016 | Total Depth (m) 0.25 | Logged By Checked By NRS RST | Driller Research Support Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -112.2 | Vertical Datum | Drilling Equipment | Research Vessel Tieton | |
| Easting (X) Northing (Y) | 1298382.39 359137.57 | Horizontal Datum | Surface Water Time Measured | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: | | | 1:50:00 PM | 104.2 | -8 |

| Elevation (feet) Depth (meters) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------------------------|------------|-------------|-------------------|------------------------|-------------|-------------------------|--|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 12.2 — 0.0 | Interval | 100 | MAF-SS-37 0-10 CA | | | SP-SM | Gray fine sand with silt and trace wood debris | NS | <1 | No odor |
| 12.3 — 0.1 | | | | | | | | | | |
| 12.4 — 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-37



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-05

Figure L-37
Sheet 1 of 1

| | | | | | |
|-----------------------------|------------------------|-------------------------|------------------------------------|----------------------------------|-------------------------------|
| Start Drilled 9/13/2016 | End 9/13/2016 | Total Depth (m) 0.24 | Logged By Checked By NRS RST | Driller Research Support Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -111.35 | Vertical Datum | Drilling Equipment | Research Vessel Tieton | |
| Easting (X) Northing (Y) | 359530.5 1298672.98 | Horizontal Datum | Surface Water | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: | | | Time Measured 2:20:00 PM | 102.1 | -9.25 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|-------------|-------------------------|--|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | | MAF-SS- 38 0-10 CA | | SP-SM | Gray fine sand with silt and trace wood debris | NS | <1 | No odor |
| 11.4 | | | | | | | | | | |
| 0.1 | | | | | | | | | | |
| 11.5 | | | | | | | | | | |
| 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-38




Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-05

Figure L-38
Sheet 1 of 1

| | | | | | |
|-----------------------------|------------------------|-------------------------|------------------------------------|----------------------------------|-------------------------------|
| Start Drilled 9/13/2016 | End 9/13/2016 | Total Depth (m) 0.26 | Logged By Checked By NRS RST | Driller Research Support Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -83.95 | Vertical Datum | Drilling Equipment | Research Vessel Tieton | |
| Easting (X) Northing (Y) | 358465.1 1298110.77 | Horizontal Datum | Surface Water | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: | | | Time Measured 2:45:00 PM | 74.2 | -9.75 |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|--|------------|-------------|------------------|--------------------------|-------------------------|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | |
| 0.0 | 100 | | | MAF-SS- 39 0-10 CA | | | | |
| 84.0 | | | | | | | | |
| 0.1 | | | | | | | | |
| 84.1 | | | | | | | | |
| 0.2 | | | | | | | | |
| 84.2 | | | | | | | | |
| Note: See Figure L-1 for explanation of symbols. | | | | | | | | |


| Log of Boring MAF-SS-39 | | |
|---|-------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-05 |
| | | Figure L-39 Sheet 1 of 1 |

| | | | | | | |
|---|------------------|-------------------------|------------------------------------|----------------------------------|-----------------------|--|
| Start Drilled 9/13/2016 | End 9/13/2016 | Total Depth (m) 0.16 | Logged By Checked By NRS RST | Driller Research Support Service | | Drilling Method Power Grab |
| Mudline Elevation (ft) -174.25 | | | Vertical Datum | | Drilling Equipment | Research Vessel Tieton |
| Easting (X) 358778.24 Northing (Y) 1297793.7 | | Horizontal Datum | | Surface Water Time Measured | | Depth to Mudline (ft) 164 Water Elevation (ft) -10.25 |
| Notes: | | | | 4:15:00 PM | | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS | |
|------------------|------------|-------------|-------------------|-------------|----------------------|---|------------------|---------|--|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | | |
| 0.0 | 100 | | MAF-SS-40 0-10 CA | | SP-SM | Dark gray fine sand with silt and trace wood debris | NS | <1 | No odor, trace roots, worms and ghost shrimp |
| 74.3 | | | | | | | | | |
| 0.1 | | | | | | | | | |
| 74.4 | | | | | | | | | |

DRAFT

Note: See Figure L-1 for explanation of symbols.

| Log of Boring MAF-SS-40 | | |
|---|-------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-05 |
| | | Figure L-40 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|-------------------------|-------------------------|------------------------------------|----------------------------------|-------------------------------|
| Start Drilled 9/13/2016 | End 9/13/2016 | Total Depth (m) 0.21 | Logged By Checked By NRS RST | Driller Research Support Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -152.4 | Vertical Datum | Drilling Equipment | Research Vessel Tieton | |
| Easting (X) Northing (Y) | 358947.04 1298211.97 | Horizontal Datum | Surface Water | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: | | | Time Measured 3:15:00 PM | 159.9 | 7.5 |

| Elevation (feet) | Depth (meters) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|----------------|------------|-------------|------------------|------------------------|-------------|-------------------------|--|-------|------------------|------------------------------|
| | | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 52.4 | 0.0 | | 100 | | MAF-SS-41 0-10 CA | | SP-SM | Gray fine sand with silt and trace wood debris | NS | <1 | Slight H ₂ S odor |
| 52.5 | 0.1 | | | | | | | | | | |
| 52.6 | 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-41



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-05

Figure L-41
Sheet 1 of 1

| | | | | | |
|-----------------------------|-----------------------|-------------------------|------------------------------------|----------------------------------|-------------------------------|
| Start Drilled 9/14/2016 | End 9/14/2016 | Total Depth (m) 0.27 | Logged By Checked By NRS RST | Driller Research Support Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -167.4 | Vertical Datum | Drilling Equipment | Research Vessel Tieton | |
| Easting (X) Northing (Y) | 359260.9 1297939.8 | Horizontal Datum | Surface Water Time Measured | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: | | | 8:55:00 AM | 181 | 13.6 |

| Elevation (feet) Depth (meters) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------------------------|------------|-------------|-------------------|------------------------|-------------|-------------------------|--|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 67.4 — 0.0 | 100 | | MAF-SS-42 0-10 CA | | | SP-SM | Gray fine sand with silt and trace wood debris | NS | <1 | No odor |
| 67.5 — 0.1 | | | | | | | | | | |
| 67.6 — 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-42



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-05

Figure L-42
Sheet 1 of 1

| | | | | | | |
|---|------------------|-------------------------|------------------------------------|----------------------------------|--------------------------|-------------------------------|
| Start Drilled 9/14/2016 | End 9/14/2016 | Total Depth (m) 0.25 | Logged By Checked By NRS RST | Driller Research Support Service | | Drilling Method Power Grab |
| Mudline Elevation (ft) | | -143.25 | Vertical Datum | | Drilling Equipment | Research Vessel Tieton |
| Easting (X) | 359770.16 | Horizontal Datum | Surface Water | | Depth to Mudline (ft) | Water Elevation (ft) |
| Northing (Y) | 1298244.15 | | Time Measured | | | |
| Notes: Eelgrass observed at the time of sample collection | | | | 9:05:00 AM | 143 | -0.25 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|------------------------|-------------|-------------------------|--|-------|------------------|--|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | | MAF-SS-43 0-10 CA | | SP-SM | Gray fine sand with silt and trace wood debris | NS | <1 | No odor, occasional grass, roots and worms |
| 43.3 | | | | | | | | | | |
| 0.1 | | | | | | | | | | |
| 43.4 | | | | | | | | | | |
| 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-43




Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-05

Figure L-43
Sheet 1 of 1

| | | | | | |
|-----------------------------|-------------------------|-------------------------|------------------------------------|----------------------------------|-------------------------------|
| Start Drilled 9/14/2016 | End 9/14/2016 | Total Depth (m) 0.26 | Logged By Checked By NRS RST | Driller Research Support Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -69.1 | Vertical Datum | Drilling Equipment | Research Vessel Tieton | |
| Easting (X) Northing (Y) | 359929.61 1298704.48 | Horizontal Datum | Surface Water | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: | | | Time Measured 9:25:00 AM | 69.1 | 0 |

| Elevation (feet) | Depth (meters) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|----------------|------------|-------------|------------------|------------------------|-------------|-------------------------|---|-------|------------------|---------|
| | | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 69.1 | 0.0 | | 100 | | MAF-SS-44 0-10 CA | | SP-SM | Gray fine to medium sand with silt and wood debris (bark) | NS | 50 | No odor |
| 69.2 | 0.1 | | | | | | | | | | |
| 69.3 | 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

| Log of Boring MAF-SS-44 | | |
|---|-------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-05 |
| | | Figure L-44 Sheet 1 of 1 |

| | | | | | |
|---|-------------------------|-------------------------|------------------------------------|----------------------------------|-------------------------------|
| Start Drilled 9/14/2016 | End 9/14/2016 | Total Depth (m) 0.24 | Logged By Checked By NRS RST | Driller Research Support Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -63.3 | Vertical Datum | Drilling Equipment | Research Vessel Tieton | |
| Easting (X) Northing (Y) | 360105.07 1298997.48 | Horizontal Datum | Surface Water | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: Eelgrass observed at the time of sample collection | | | Time Measured 9:35:00 AM | 63.3 | 0 |

| Elevation (feet) | Depth (meters) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|----------------|------------|-------------|------------------|------------------------|-------------|-------------------------|--|-------|------------------|---------------------------|
| | | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 63.3 | 0.0 | | 100 | | MAF-SS-45 0-10 CA | | SP-SM | Gray fine sand with silt and trace wood debris | NS | <1 | No odor, occasional roots |
| 63.4 | 0.1 | | | | | | | | | | |
| 63.5 | 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-45



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-05

Figure L-45
Sheet 1 of 1

| | | | | | |
|-----------------------------|------------------------|-------------------------|------------------------------------|----------------------------------|-------------------------------|
| Start Drilled 9/14/2016 | End 9/14/2016 | Total Depth (m) 0.25 | Logged By Checked By NRS RST | Driller Research Support Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -53.55 | Vertical Datum | Drilling Equipment | Research Vessel Tieton | |
| Easting (X) Northing (Y) | 360089.9 1299388.61 | Horizontal Datum | Surface Water | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: | | | Time Measured 9:45:00 AM | 53.8 | 0.25 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|-------------|-------------------------|--|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | | MAF-SS- 46 0-10 CA | | SP-SM | Gray fine sand with silt and trace wood debris | NS | <1 | No odor |
| 53.6 | | | | | | | | | | |
| 0.1 | | | | | | | | | | |
| 53.7 | | | | | | | | | | |
| 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-46



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-05

Figure L-46
Sheet 1 of 1

| | | | | | | | | | | | |
|------------------------|---------------------------|-------------------------|--------------------|---------------------|-------------------------|----------------|----------------------------------|--|---------------------------------|---------------------------------|--|
| Drilled | <u>Start</u> 9/14/2016 | <u>End</u> 9/14/2016 | Total Depth (m) | 0.25 | Logged By Checked By | NRS RST | Driller Research Support Service | | Drilling Method | Power Grab | |
| Mudline Elevation (ft) | | | | -51.55 | | Vertical Datum | | | Drilling Equipment | Research Vessel Tieton | |
| Easting (X) | | 359942.44 | | Horizontal Datum | | | <u>Surface Water</u> | | Depth to <u>Mudline (ft)</u> | <u>Water Elevation (ft)</u> | |
| Northing (Y) | | 1299744.8 | | | | | <u>Time Measured</u> | | | | |
| Notes: | | | | | | | 9:55:00 AM | | 51.8 | 0.25 | |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|-------------|-------------------------|--|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | | 100 | | MAF-SS- 47 0-10 CA | | SP-SM | Gray fine to medium sand with silt and trace wood debris | NS | <1 | No odor |
| 51.6 | | | | | | | | | | |
| 0.1 | | | | | | | | | | |
| 51.7 | | | | | | | | | | |
| 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-47



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-05

Figure L-47
Sheet 1 of 1

| | | | | | |
|---|-------------------------|-------------------------|------------------------------------|----------------------------------|-------------------------------|
| Start Drilled 9/14/2016 | End 9/14/2016 | Total Depth (m) 0.26 | Logged By Checked By NRS RST | Driller Research Support Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -110.95 | Vertical Datum | Drilling Equipment | Research Vessel Tieton | |
| Easting (X) Northing (Y) | 358281.71 1297692.13 | Horizontal Datum | Surface Water | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: Eelgrass observed at the time of sample collection | | | Time Measured | 10:05:00 AM | 111.2 0.25 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|-------------------|------------------------|-------------|--|----------------------|-------|----------------------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | MAF-SS-48 0-10 CA | | SP-SM | Gray fine sand with silt and trace wood debris | NS | <1 | No odor, occasional ghost shrimp | |
| 11.0 | | | | | | | | | | |
| 0.1 | | | | | | | | | | |
| 11.1 | | | | | | | | | | |
| 0.2 | | | | | | | | | | |
| 11.2 | | | | | | | | | | |

DRAFT

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-48



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-05

Figure L-48
Sheet 1 of 1

| | | | | | | | | | | | | | |
|------------------------|-----------|------------------|--------------------|--------|-------------------------|---------------------|----------------------------------|--|--------------------|-----------------------|--------------------------|------------------------|-------------------------|
| Start Drilled | 9/14/2016 | End 9/14/2016 | Total Depth (m) | 0.25 | Logged By Checked By | NRS RST | Driller Research Support Service | | Drilling Method | Power Grab | | | |
| Mudline Elevation (ft) | | | | -74.55 | | | Vertical Datum | | | Drilling Equipment | | Research Vessel Tieton | |
| Easting (X) | | | 360380.33 | | | Horizontal Datum | | | Surface Water | | Depth to Mudline (ft) | | Water Elevation (ft) |
| Northing (Y) | | | 1299203.43 | | | | | | Time Measured | | 75.3 | | 0.75 |
| Notes: | | | | | | | | | 10:15:00 AM | | | | |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|-------------|-------------------------|--|-------|------------------|-------------------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | | MAF-SS- 49 0-10 CA | | SP-SM | Gray fine to medium sand with silt and trace wood debris | NS | <1 | No odor, occasional worms and roots |
| 74.6 | | | | | | | | | | |
| 0.1 | | | | | | | | | | |
| 74.7 | | | | | | | | | | |
| 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-49



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-05

Figure L-49
Sheet 1 of 1

| | | | | | |
|-----------------------------|------------------------|-------------------------|------------------------------------|----------------------------------|-------------------------------|
| Start Drilled 9/13/2016 | End 9/13/2016 | Total Depth (m) 0.25 | Logged By Checked By NRS RST | Driller Research Support Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -66.8 | Vertical Datum | Drilling Equipment | Research Vessel Tieton | |
| Easting (X) Northing (Y) | 360609.85 1300175.5 | Horizontal Datum | Surface Water | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: | | | Time Measured 3:30:00 PM | 56.8 | -10 |

| Elevation (feet) | Depth (meters) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|----------------|------------|-------------|------------------|--------------------------|-------------|-------------------------|--|-------|------------------|---------|
| | | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 66.8 | 0.0 | | 100 | | MAF-SS- 50 0-10 CA | | SP-SM | Gray fine to medium sand with silt and trace wood debris | NS | <1 | No odor |
| 66.9 | 0.1 | | | | | | | | | | |
| 67.0 | 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-50



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-05

Figure L-50
Sheet 1 of 1

| | | | | | |
|---|-------------------------|-------------------------|------------------------------------|----------------------------------|-------------------------------|
| Start Drilled 9/14/2016 | End 9/14/2016 | Total Depth (m) 0.22 | Logged By Checked By NRS RST | Driller Research Support Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -42.85 | Vertical Datum | Drilling Equipment | Research Vessel Tieton | |
| Easting (X) Northing (Y) | 361139.37 1299680.71 | Horizontal Datum | Surface Water | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: Eelgrass observed at the time of sample collection | | | Time Measured 11:00:00 AM | 41.6 | -1.25 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|-------------|-------------------------|---|-------|------------------|---------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | | MAF-SS- 51 0-10 CA | | SP-SM | Gray fine sand with silt and wood debris (chips and bark) | NS | 25 | No odor, occasional roots |
| 42.9 | | | | | | | | | | |
| 0.1 | | | | | | | | | | |
| 43.0 | | | | | | | | | | |
| 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-51



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-05

Figure L-51
Sheet 1 of 1

| | | | | | | |
|---|-------------------------|-------------------------|------------------------------------|----------------------------------|-----------------------|---|
| Start Drilled 9/14/2016 | End 9/14/2016 | Total Depth (m) 0.25 | Logged By Checked By NRS RST | Driller Research Support Service | | Drilling Method Power Grab |
| Mudline Elevation (ft) -102.2 | | | Vertical Datum | | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 361830.04 1299528.01 | Horizontal Datum | | Surface Water Time Measured | | Depth to Mudline (ft) 104.2 Water Elevation (ft) 2 |
| Notes: Eelgrass observed at the time of sample collection | | | | | | |

| Elevation (feet) Depth (meters) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------------------------|------------|-------------|--------------------------|------------------------|-------------|-------------------------|--|-------|------------------|---------------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 02.2 — 0.0 | 100 | | MAF-SS- 52 0-10 CA | | | SP | Gray fine to medium sand with cobbles and wood debris (bark) and shell fragments | NS | 35 | No odor, occasional sea lettuce |
| 02.3 — 0.1 | | | | | | | | | | |
| 02.4 — 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-52



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-05

Figure L-52
Sheet 1 of 1

| | | | | | |
|-----------------------------|-------------------------|-------------------------|------------------------------------|----------------------------------|-------------------------------|
| Start Drilled 9/14/2016 | End 9/14/2016 | Total Depth (m) 0.25 | Logged By Checked By NRS RST | Driller Research Support Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -38.6 | Vertical Datum | Drilling Equipment | Research Vessel Tieton | |
| Easting (X) Northing (Y) | 361516.97 1300557.45 | Horizontal Datum | Surface Water | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: | | | Time Measured 11:30:00 AM | 36.6 | -2 |

| Elevation (feet) | Depth (meters) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|----------------|------------|-------------|------------------|--------------------------|-------------|-------------------------|---|-------|------------------|---------|
| | | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 38.6 | 0.0 | | 100 | | MAF-SS- 53 0-10 CA | | SP-SM | Black fine sand with silt and wood debris (chips and bark) and shells | NS | 65 | No odor |
| 38.7 | 0.1 | | | | | | | | | | |
| 38.8 | 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-53



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-05

Figure L-53
Sheet 1 of 1

| | | | | | | |
|-------------------------------|------------------|-------------------------|------------------------------------|----------------------------------|--------------------------------|---|
| Start Drilled 9/14/2016 | End 9/14/2016 | Total Depth (m) 0.25 | Logged By Checked By NRS RST | Driller Research Support Service | | Drilling Method Power Grab |
| Mudline Elevation (ft) -45.65 | | | Vertical Datum | | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | | 360961.42 1300652.93 | Horizontal Datum | | Surface Water Time Measured | Depth to Mudline (ft) Water Elevation (ft) |
| Notes: | | | | | 11:40:00 AM | 42.9 -2.75 |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|--------------------------|-------------|-------------------------|---|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | | 100 | | MAF-SS- 54 0-10 CA | | SP-SM | Black fine sand with silt and trace wood debris | NS | <1 | No odor |
| 45.7 | | | | | | | | | | |
| 0.1 | | | | | | | | | | |
| 45.8 | | | | | | | | | | |
| 0.2 | | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-54



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-05

Figure L-54
Sheet 1 of 1


| | | | | | |
|-----------------------------|-------------------------|------------------------|---------------------------------------|--------------------------------|---|
| Start Drilled 11/13/2018 | End 11/13/2018 | Total Depth (m) 0.1 | Logged By Checked By RST RST | Driller Gravity Marine Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -47.97 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1297937.94 358167.63 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) Water Elevation (ft) |
| Notes: | | | | 2:00:00 PM | 56 8.03 |

| FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|---|----------|-------------|--|-------------|-------------------------|--------------------------|-------|------------------|---------|
| Depth (meters) | Interval | Recovered % | Collected Sample Sample Name Testing | | | | | | |
| 0.0 | 100 | | MAF-SS-55 0-10 CA | | SP | Gray fine to medium sand | NS | 0% | |
| 0.1 | | | | | | | | | |
| <p>Note: See Figure L-1 for explanation of symbols.</p> | | | | | | | | | |

| Log of Boring MAF-SS-55 | | | |
|-------------------------|-------------------|----------------------------|-----------------------------|
| | Project: | Weyerhaeuser Mill A Former | |
| | Project Location: | Everett, Washington | |
| | Project Number: | 0676-020-06 | |
| | | | Figure L-55 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|-------------------------|------------------------|---------------------------------------|--------------------------------|---|
| Start Drilled 11/13/2018 | End 11/13/2018 | Total Depth (m) 0.1 | Logged By Checked By RST RST | Driller Gravity Marine Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -43.6 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298323.69 358408.12 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) Water Elevation (ft) |
| Notes: | | | | 3:20:00 PM | 50.6 7 |

| Depth (meters) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|---|------------|-------------|-------------------------|------------------------|-------------|-------------------------|--|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | MAF-SS-56 0-10 CA | | | SM | Gray silty fine sand with occasional shell fragments | NS | 0% | |
| 0.1 | | | | | | SP | Gray fine to medium sand | NS | 0% | |
| <p>Note: See Figure L-1 for explanation of symbols.</p> | | | | | | | | | | |

| Log of Boring MAF-SS-56 | | | |
|---|-------------------|----------------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former | |
| | Project Location: | Everett, Washington | |
| | Project Number: | 0676-020-06 | |
| | | | Figure L-56 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|-------------------------|-------------------------|---------------------------------------|---------------------------------|--|
| Start Drilled 11/14/2018 | End 11/14/2018 | Total Depth (m) 0.18 | Logged By Checked By RST RST | Driller Gravity Marine Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -40.2 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298461.28 358439.37 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 9:22:00 AM 50.4 |
| Notes: | | | | Water Elevation (ft) 10.2 | |

| FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|----------------|----------|-------------|-------------------------|-------------|-------------------------|---|-------|------------------|-----------------------------|
| Depth (meters) | Interval | Recovered % | Collected Sample | | | | | | |
| 0.0 | | 100 | MAF-SS-57 0-10 CA | | SM | Gray silty fine to medium sand with occasional shells and trace wood debris (twigs) | NS | <1% | Light H ₂ S odor |
| | | | | | SM | Dark gray silty fine to medium sand with shell hash | NS | 0% | |
| 0.1 | | | | | SM | Dark gray silty fine to medium sand | NS | 0% | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-57




Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-06

Figure L-57
Sheet 1 of 1


| | | | | | |
|-----------------------------|-------------------------|------------------------|---------------------------------------|---------------------------------|--|
| Start Drilled 11/14/2018 | End 11/14/2018 | Total Depth (m) 0.1 | Logged By Checked By RST RST | Driller Gravity Marine Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -52.78 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298411.49 358533.88 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 8:51:00 AM 62.3 |
| Notes: | | | | Water Elevation (ft) 9.52 | |

| Depth (meters) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|---|------------|-------------|-------------------------|------------------------|-------------|-------------------------|---|----------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | MAF-SS-58 0-10 CA | | | SM SM | Light gray silty fine sand with rare wood debris (chips and bark) and shell fragments Dark gray silty fine to medium sand with trace shell fragments and wood debris (chips) | NS NS | 5% <1% | |
| 0.1 | | | | | | | | | | |
| <p>Note: See Figure L-1 for explanation of symbols.</p> | | | | | | | | | | |

| Log of Boring MAF-SS-58 | | |
|---|-------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-06 |
| | | Figure L-58 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|-----------------------|------------------------|---------------------------------------|----------------------------------|---|
| Start Drilled 11/14/2018 | End 11/14/2018 | Total Depth (m) 0.1 | Logged By Checked By RST RST | Driller Gravity Marine Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -50.26 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298666.4 358789.4 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 10:32:00 AM 60.9 |
| Notes: | | | | Water Elevation (ft) 10.64 | |

| FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|---|----------|-------------|--|-------------|-------------------------|---|-------|------------------|--------------------------------|
| Depth (meters) | Interval | Recovered % | Collected Sample Sample Name Testing | | | | | | |
| 0.0 | 100 | | MAF-SS-59 0-10 CA | | SM | Light gray silty fine to medium sand with wood debris (bark and chips) and occasional shell fragments | NS | 20% | Moderate H ₂ S odor |
| 0.1 | | | | | SP | Dark gray fine to coarse sand with occasional shell fragments | NS | 0% | |
| <p>Note: See Figure L-1 for explanation of symbols.</p> | | | | | | | | | |

| Log of Boring MAF-SS-59 | | | |
|---|-------------------|----------------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former | |
| | Project Location: | Everett, Washington | |
| | Project Number: | 0676-020-06 | |
| | | | Figure L-59 Sheet 1 of 1 |

| | | | | | |
|-----------------------------|-------------------------|------------------------|---------------------------------------|----------------------------------|--|
| Start Drilled 11/14/2018 | End 11/14/2018 | Total Depth (m) 0.1 | Logged By Checked By RST RST | Driller Gravity Marine Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -42.12 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298634.89 358628.76 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 9:46:00 AM 52.5 |
| Notes: | | | | Water Elevation (ft) 10.38 | |

| Depth (meters) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|----------------|------------|-------------|-------------------------|------------------------|-------------|-------------------------|---|-------|------------------|--------------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | MAF-SS-60 0-10 CA | | | SM | Light gray silty fine to medium sand with occasional shell fragments and trace wood debris (twigs) | SS | <1% | Moderate H ₂ S odor |
| | | | | | | SM | Dark gray silty fine to medium sand with shell hash | NS | 0% | |
| 0.1 | | | | | | SM | Dark gray silty fine to medium sand | NS | 0% | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SS-60




Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-06

Figure L-60
Sheet 1 of 1

| | | | | | |
|-----------------------------|-------------------------|------------------------|---------------------------------------|--------------------------------|---|
| Start Drilled 11/13/2018 | End 11/13/2018 | Total Depth (m) 0.1 | Logged By Checked By RST RST | Driller Gravity Marine Service | Drilling Method Power Grab |
| Mudline Elevation (ft) | -42.65 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298164.11 358300.44 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 49.8 Water Elevation (ft) 7.15 |
| Notes: | | | | 2:55:00 PM | |

| Depth (meters) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|---|------------|-------------|-------------------------|------------------------|-------------|-------------------------|---|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0.0 | 100 | | MAF-SS-61 0-10 CA | | | SM | Gray fine silty sand with trace wood debris (bark and chips) and organic matter (roots) | NS | 5% | |
| 0.1 | | | | | | SP | Gray fine to medium sand with occasional gravel | NS | 0% | |
| <p>Note: See Figure L-1 for explanation of symbols.</p> | | | | | | | | | | |

| Log of Boring MAF-SS-61 | | | |
|---|-------------------|----------------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former | |
| | Project Location: | Everett, Washington | |
| | Project Number: | 0676-020-06 | |
| | | | Figure L-61 Sheet 1 of 1 |

| Elevation (feet) | FIELD DATA | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|--|--------------|----------|-------------|--|----------------------|---|-------|------------------|---------|
| | Depth (feet) | Interval | Recovered % | Collected Sample Sample Name Testing | | | | | |
| 15 | | | 75 | | | | | | |
| | | | | MAF-SC-01_16-18 | | | NS | 0% | No odor |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 25 | | | | | SP | Gray medium to coarse sand | NS | 0% | No odor |
| | | | | | SP | Gray fine to medium sand with trace shell fragments | | | |
| | | | | | | | | | |
| 20 | | | 94 | MAF-SC-01_20-22 CA | SP | Gray fine sand | NS | 0% | No odor |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | NS | 0% | No odor |
| | | | | | | | | | |
| | | | | | | | | | |
| 30 | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 25 | | | | | | | NS | 0% | No odor |
| Sediment core completed at 25 feet below mudline | | | | | | | | | |
| Note: See Figure L-1 for explanation of symbols. | | | | | | | | | |

Log of Boring MAF-SC-01 (continued)



Project: Weyerhaeuser Mill A Former
 Project Location: Everett, Washington
 Project Number: 0676-020-04

Figure L-62
 Sheet 2 of 2

| | | | | | |
|--|-------------------------|------------------------|---------------------------------------|--------------------------------|---|
| Start Drilled 11/10/2015 | End 11/10/2015 | Total Depth (ft) 25 | Logged By Checked By RST IHW | Driller Cascade Drilling, LP | Drilling Method Sonic |
| Mudline Elevation (ft) | -7.6 | Vertical Datum | -7.6 MLLW | Drilling Equipment | 100C Limited Access |
| Easting (X) Northing (Y) | 1299140.44 359086.58 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) Water Elevation (ft) |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 5 (ft) | | | | 1:45:00 PM | 18.6 11 |

| FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|--------------|----------|-------------|------------------|-------------------------|--|-------|------------------|---------------------------------------|
| Elevation (feet) | Depth (feet) | Interval | Recovered % | | | | | | |
| 0 | 76 | | | | WD | Dark brown to black wood debris (sawdust) with trace shell fragments | NS | 100% | No odor |
| | | | | MAF-SC-02_0-2 CA | | | | | |
| | | | | | | | NS | 100% | No odor |
| | | | | MAF-SC-02_2-4 CA | | | | | |
| | | | | | | | NS | 100% | No odor |
| | | | | MAF-SC-02_4-6 CA | | | | | |
| 5 | 92 | | | | | | SS | 100% | No odor |
| | | | | | | | | | Grades with trace metal debris (wire) |
| | | | | | | | NS | 50% | Moderate H ₂ S odor |
| | | | | MAF-SC-02_8-10 | ML | Gray silt with dark brown to black wood debris (sawdust) and trace shell fragments | | | |
| 10 | 100 | | | | | | NS | 50% | Moderate H ₂ S odor |
| | | | | | | | NS | 50% | Slight H ₂ S odor |
| | | | | MAF-SC-02_12-14 | | | | | |
| | | | | | | | NS | 50% | Slight H ₂ S odor |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-02



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-63
Sheet 1 of 2

| Elevation (feet) | FIELD DATA | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|--------------|----------|-------------|--|----------------------|---|-------|------------------|--------------------------------|
| | Depth (feet) | Interval | Recovered % | Collected Sample Sample Name Testing | | | | | |
| 15 | | | 100 | | ML | Gray silt with sand, occasional shell fragments and wood debris (fibers and lumber) | | | |
| | | | | MAF-SC-02_16-18 | | | NS | 25% | Moderate H ₂ S odor |
| | | | | | SP | Gray fine to medium sand with occasional shell fragments | NS | 0% | No odor |
| 20 | | | 82 | | | | NS | 0% | No odor |
| | | | | MAF-SC-02_20-22 CA | | | NS | 0% | No odor |
| | | | | | | | NS | 0% | No odor |
| | | | | | | | NS | 0% | No odor |
| 25 | | | | | | Sediment core completed at 25 feet below mudline | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-02 (continued)



Project: Weyerhaeuser Mill A Former
 Project Location: Everett, Washington
 Project Number: 0676-020-04

Figure L-63
 Sheet 2 of 2

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|--------------|----------|-------------|--|---|-------|------------------|-----------------------------|
| | Depth (feet) | Interval | Recovered % | Collected Sample Sample Name Testing | | | | |
| 15 | | 100 | | | | | | |
| 30 | | | | MAF-SC-03_16-18 | | NS | 100% | Heavy H ₂ S odor |
| | | | | | | NS | 100% | Heavy H ₂ S odor |
| 20 | | 92 | | | WD Brown wood debris (fibers and sawdust) with light brown silt | NS | 80% | Heavy H ₂ S odor |
| | | | | | SP Gray fine sand | NS | 0% | No odor |
| 35 | | | | MAF-SC-03_21-23 | | NS | 0% | No odor |
| | | | | | | NS | 0% | No odor |
| 25 | | | | | Sediment core completed at 25 feet below mudline | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-03 (continued)



Project: Weyerhaeuser Mill A Former
 Project Location: Everett, Washington
 Project Number: 0676-020-04

Figure L-64
 Sheet 2 of 2

| | | | | | |
|---|-------------------------|--------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/26/2015 | End 10/26/2015 | Total Depth (ft) 10.5 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Vibracore |
| Mudline Elevation (ft) | -10.46 | Vertical Datum | -10.46 MLLW | Drilling Equipment | Research Vessel Titan |
| Easting (X) Northing (Y) | 1299156.77 359181.04 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 9:21:00 AM 15.21 Water Elevation (ft) 4.75 |
| Notes: Core Tube Data: ID 0.33 (ft), OD 0.31 (ft), Length 12 (ft) | | | | | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|--------------------------------------|-------------|----------------------|---|------------------|--------------------------------|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | |
| 0 | 109 | | MAF-SC-04 0-2 MAF-SC-Dup-05 CA | | WD | Wood debris (sawdust) with black silt | NS 75% | Heavy H ₂ S odor |
| | | | MAF-SC-04 2-4 MAF-SC-Dup-06 CA | | | | NS 75% | Heavy H ₂ S odor |
| | | | MAF-SC-04 4-6 CA | | | | NS 85% | Moderate H ₂ S odor |
| 5 | | | | | WD | Wood debris (sawdust) with black silt and trace shell fragments | NS 75% | Moderate H ₂ S odor |
| | | | MAF-SC-04 8-10 CA | | SM | Gray silt with wood debris (sawdust and chips) | NS 25% | Moderate H ₂ S odor |
| 10 | | | | | | | NS 25% | Moderate H ₂ S odor |

Sediment core completed at 10.5 feet below mudline

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-04(a)



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-65
Sheet 1 of 1

| | | | | | |
|--|-------------------------|------------------------|---------------------------------------|--------------------------------|---|
| Start Drilled 11/10/2015 | End 11/10/2015 | Total Depth (ft) 20 | Logged By Checked By RST IHW | Driller Cascade Drilling, LP | Drilling Method Sonic |
| Mudline Elevation (ft) | -24.4 | Vertical Datum | -24.4 MLLW | Drilling Equipment | 100C Limited Access |
| Easting (X) Northing (Y) | 1299166.86 359202.37 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) Water Elevation (ft) |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 5 (ft) | | | | 8:30:00 AM | 30.4 6 |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|-------------|---|-------|------------------|--------------------------------|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | |
| 0 | 66 | | | | Limited recovery - refer to log of boring MAF-SC-04(a) for material description | | | |
| 5 | 0 | | | | | | | |
| 10 | 100 | | | | Gray silty fine to medium sand with occasional shell fragments and wood debris (sawdust, chips, and fibers) | NS | 25% | Heavy H ₂ S odor |
| | | | | | Grades to decreasing sawdust | NS | 25% | Moderate H ₂ S odor |
| 15 | | | | | | NS | 25% | Moderate H ₂ S odor |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-04(b)



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-66
Sheet 1 of 2

Seattle, Date: 10/21/19 Path: W:\PROJECTS\0676020\GINT\067602004.GPJ DBT template\JBT template\GEOENGINEER\88_GDT\GEB8_ENVIRONMENTAL_STANDARD

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|--|--------------|----------|-------------|--|----------------------|-------|------------------|---------|
| | Depth (feet) | Interval | Recovered % | Collected Sample Sample Name Testing | | | | |
| 15 | | | 100 | | | | | |
| | | | | MAF-SC-04_16-18 | | NS | 0% | No odor |
| | | | | MAF-SC-04_18-20 | | NS | 0% | No odor |
| 20 | | | | | | | | |
| Sediment core completed at 20 feet below mudline | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-04(b) (continued)



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-66
Sheet 2 of 2

| | | | | | | | |
|---|-------------------|--|------------------------------------|------------------------------------|---|--------------------------------|------------------------------|
| Start Drilled 10/29/2015 | End 10/29/2015 | Total Depth (ft) 5 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Vibracore | | |
| Mudline Elevation (ft) -41.6 | | | Vertical Datum -41.6 MLLW | | Drilling Equipment Research Vessel Titan | | |
| Easting (X) 1299660.87 Northing (Y) 359679.91 | | Horizontal Datum WA State Plane,North NAD83 (feet) | | | Surface Water Time Measured | Depth to Mudline (ft) 50.85 | Water Elevation (ft) 9.25 |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 10 (ft) | | | | | 2:54:00 PM | | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|-------------|--|-------|------------------|--------------------------------|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | |
| 0 | | 75 | | | Dark brown silt and occasional wood debris (chips) | NS | 10% | Moderate H ₂ S odor |
| | | | MAF-SC-07_0-2 | | | | | |
| | | | | | Gray fine sand with occasional shell fragments | NS | 0% | No odor |
| | | | MAF-SC-07_2-4 | | | | | |
| | | | | | | NS | 0% | No odor |
| | | | MAF-SC-07_4-5 | | | | | |
| 5 | | | | | Sediment core completed at 5 feet below mudline | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-07



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-68
Sheet 1 of 1

| | | | | | |
|---|-------------------------|-----------------------|---------------------------------------|------------------------------------|---|
| Start Drilled 10/29/2015 | End 10/29/2015 | Total Depth (ft) 9 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Vibracore |
| Mudline Elevation (ft) | -57.42 | Vertical Datum | -57.42 MLLW | Drilling Equipment | Research Vessel Titan |
| Easting (X) Northing (Y) | 1299080.38 356521.61 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 63.42 Water Elevation (ft) 6 |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 10 (ft) | | | | 2:01:00 PM | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|--------------------------------------|-------------|---|-------|------------------|-----------------------------|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | |
| 0 | | 84 | | | Dark brown silt and trace wood debris (chips and sawdust) | NS | <5% | Heavy H ₂ S odor |
| | | | MAF-SC-10_0-2 MAF-SC-Dup-07 CA | | | | | |
| | | | | | | NS | 10% | Heavy H ₂ S odor |
| | | | MAF-SC-10_2-4 CA | | | | | |
| | | | | | | NS | 15% | Heavy H ₂ S odor |
| | | | MAF-SC-10_4-6 | SM | Gray-brown silty fine sand and occasional wood debris (sawdust) | | | |
| 5 | | | | | | NS | 100% | |
| | | | | WD | Light brown wood layer (lumber) | | | |
| | | | | SM | Gray silty fine sand and trace wood debris (bark) | NS | <1% | No odor |
| | | | MAF-SC-10_6-7.6 | | | | | |
| | | | | | | NS | 0% | No odor |

Sediment core completed at 9 feet below mudline

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-10



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-69
Sheet 1 of 1

| | | | | | |
|---|------------------------|------------------------|---------------------------------------|------------------------------------|---|
| Start Drilled 10/28/2015 | End 10/28/2015 | Total Depth (ft) 12 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Vibracore |
| Mudline Elevation (ft) | -55.95 | Vertical Datum | -55.95 MLLW | Drilling Equipment | Research Vessel Titan |
| Easting (X) Northing (Y) | 1298470.3 358636.95 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) Water Elevation (ft) |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 14 (ft) | | | | 11:31:00 AM | 60.7 4.75 |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|--|------------|-------------|---------------------|-------------|--|-------|------------------|--------------------------------|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | |
| 0 | | 97 | | | Black silt and occasional wood debris (chips) | NS | 10% | Heavy H ₂ S odor |
| | | | MAF-SC-12_0-2 CA | | | | | |
| | | | | | Gray silt with trace shell fragments and wood debris (chips) | NS | <5% | Moderate H ₂ S odor |
| | | | MAF-SC-12_2-4 CA | | | | | |
| | | | | | Brown silty fine sand with trace shell fragments | NS | 0% | No odor |
| | | | MAF-SC-12_5-6 | | | NS | 0% | No odor |
| | | | MAF-SC-12_6-8 | | | NS | 0% | No odor |
| | | | | | With increased sand content | NS | 0% | No odor |
| | | | MAF-SC-12_8-10 | | | NS | 0% | No odor |
| | | | MAF-SC-12_10-12 | | | NS | 0% | No odor |
| Sediment core completed at 12 feet below mudline | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-12



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-71
Sheet 1 of 1

| | | | | | |
|---|-------------------------|-----------------------|---------------------------------------|------------------------------------|---|
| Start Drilled 10/27/2015 | End 10/27/2015 | Total Depth (ft) 6 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Vibracore |
| Mudline Elevation (ft) | -44.56 | Vertical Datum | -44.56 MLLW | Drilling Equipment | Research Vessel Titan |
| Easting (X) Northing (Y) | 1298258.31 358294.67 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) Water Elevation (ft) |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 10 (ft) | | | | 2:35:00 PM | 53.21 8.65 |

| Elevation (feet) | FIELD DATA | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|------------------------|-------------------------|---|-------|------------------|-----------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | |
| 0 | | 77 | | | SM | Gray silty fine sand and trace wood debris (chips) | NS | 5% | Heavy H ₂ S odor |
| | | | | MAF-SC-13_0-2 | SP | Gray fine to coarse sand | NS | 0% | No odor |
| | | | | MAF-SC-13_2-4 | SP | Gray fine to coarse sand with trace shell fragments | NS | 0% | No odor |
| | | | | MAF-SC-13_4-6 | SP | Gray fine to coarse sand | NS | 0% | No odor |
| 5 | | | | | SP | Gray fine to coarse sand | NS | 0% | No odor |

Sediment core completed at 6 feet below mudline

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-13



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-72
Sheet 1 of 1

| | | | | | |
|---|-------------------------|-------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/28/2015 | End 10/28/2015 | Total Depth (ft) 4.5 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Vibracore |
| Mudline Elevation (ft) | -2.41 | Vertical Datum | -2.41 MLLW | Drilling Equipment | Research Vessel Titan |
| Easting (X) Northing (Y) | 1298324.57 358015.92 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 7.9 Water Elevation (ft) 5.49 |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 10 (ft) | | | | 2:10:00 PM | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|-------------------|-------------|---|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | |
| 0 | | 95 | | | | | | |
| | | | MAF-SC-14_0-2 | | Gray fine to medium sand | NS | 0% | No odor |
| | | | MAF-SC-14_2-3 | | | NS | 0% | No odor |
| | | | MAF-SC-14_3.5-4.5 | | Brown silty fine sand with occasional shell fragments | NS | 0% | No odor |

Sediment core completed at 4.5 feet below mudline

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-14



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-73
Sheet 1 of 1

| | | | | |
|--|---|---|---|--|
| <div>Start Drilled 10/28/2015</div> <div>End 10/28/2015</div> | <div>Total Depth (ft) 7.5</div> | <div>Logged By Checked By RST IHW</div> | <div>Driller Gravity Environmental, LLC</div> | <div>Drilling Method Vibracore</div> |
| <div>Mudline Elevation (ft) 3.65</div> | <div>Vertical Datum 3.65 MLLW</div> | <div>Drilling Equipment Research Vessel Titan</div> | | |
| <div>Easting (X) 1298406.12</div> <div>Northing (Y) 357667.72</div> | <div>Horizontal Datum WA State Plane,North NAD83 (feet)</div> | <div>Surface Water Time Measured 9:38:00 AM</div> <div>Depth to Mudline (ft) 4.1</div> <div>Water Elevation (ft) 7.75</div> | | |
| <div>Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 10 (ft)</div> | | | | |

| Elevation (feet) | FIELD DATA | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|---|------------|-------------|------------------|------------------------|-------------------------|---|-------|------------------|---------------------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | |
| 0 | | 86 | | | SM | Light brown silty fine sand | NS | 0% | No odor |
| | | | | MAF-SC-15_0-2 | SP | Black fine to medium sand and trace wood debris (bark) | NS | <5% | No odor |
| | | | | MAF-SC-Dup-08 CA | SM | Brown silty fine sand and wood debris (chips) | NS | <1% | No odor, trace organic matter (roots) |
| | | | | | SM | Gray silty fine sand with occasional gravel and trace shell fragments | NS | 0% | No odor |
| | | | | MAF-SC-15_2-4 | | | | | |
| | | | | | SP | Gray fine to medium sand with occasional gravel and trace wood debris (chips) | NS | <1% | No odor |
| | | | | MAF-SC-15_4-6 | | With increased gravel content | | | |
| | | | | | GP | Gray fine to coarse rounded gravel with sand and silt | NS | 0% | No odor |
| | | | | MAF-SC-15_6-7.5 | GP | Black silty fine to coarse gravel | NS | 0% | No odor |
| Sediment core completed at 7.5 feet below mudline | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-15



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-74
Sheet 1 of 1

| | | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| <div>Start Drilled 10/28/2015</div> <div>End 10/28/2015</div> | | Total Depth (ft) 4 | <div>Logged By Checked By</div> <div>RST IHW</div> | | Driller Gravity Environmental, LLC | | <div>Drilling Method</div> <div>Vibracore</div> | |
| Mudline Elevation (ft) 3.05 | | | Vertical Datum 3.05 MLLW | | | Drilling Equipment Research Vessel Titan | | |
| <div>Easting (X) Northing (Y)</div> <div>1298201.21 357348.06</div> | | <div>Horizontal Datum</div> <div>WA State Plane,North NAD83 (feet)</div> | | | <div>Surface Water Time Measured</div> <div>9:50:00 AM</div> | | <div>Depth to Mudline (ft)</div> <div>3.22</div> <div><div>Water Elevation (ft)</div><div>6.27</div></div> | |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 10 (ft) | | | | | | | | |

| Elevation (feet) | FIELD DATA | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|------------------------|-------------------------|---|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | |
| 0 | | 81 | | | SP | Light brown fine sand | NS | 0% | No odor |
| | | | | | GP | Brown fine gravel with sand and trace shell fragments | NS | 0% | No odor |
| | | | | MAF-SC-16_1-2 | | | | | |
| | | | | | SP | Brown fine to coarse sand with occasional gravel | NS | 0% | No odor |
| | | | | MAF-SC-16_2-4 | | | | | |
| | | | | | GP | Increased gravel content Brown coarse gravel with sand | NS | 0% | No odor |

Sediment core completed at 4 feet below mudline

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-16



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-75
Sheet 1 of 1

| | | | | | |
|---|--|--|------------------------------------|---|---|
| <div>Start Drilled 10/27/2015</div> <div>End 10/27/2015</div> | | Total Depth (ft) 9 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Vibracore |
| Mudline Elevation (ft) 0.9 | | | Vertical Datum 0.9 MLLW | | Drilling Equipment Research Vessel Titan |
| Easting (X) 1298060.17 Northing (Y) 357718.78 | | Horizontal Datum WA State Plane,North NAD83 (feet) | | Surface Water Time Measured 3:55:00 PM | Depth to Mudline (ft) 10.6 Water Elevation (ft) 11.5 |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 10 (ft) | | | | | |

| Elevation (feet) | FIELD DATA | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|------------------------|-------------------------|--|-------|------------------|--------------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | |
| 0 | 77 | | | MAF-SC-17_0-2 | SM | Gray silty fine sand and trace wood debris | NS | <5% | No odor, occasional flat worms |
| | | | | MAF-SC-17_2-4 | SP | Gray fine to coarse silty sand with gravel | NS | 0% | No odor |
| | | | | | SP | Gray fine to coarse sand | | | |
| | | | | MAF-SC-17_4-6 | SP | Gray fine to coarse sand with gravel | NS | 0% | No odor |
| 5 | | | | | SP | Gray fine to coarse sand with gravel and trace shell fragments | NS | 0% | No odor |
| | | | | MAF-SC-17_8-9 | | | NS | 0% | No odor |

Sediment core completed at 9 feet below mudline

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-17



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-76
Sheet 1 of 1

| | | | | | |
|---|-------------------------|-----------------------|---------------------------------------|------------------------------------|---|
| Start Drilled 10/27/2015 | End 10/27/2015 | Total Depth (ft) 8 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Vibracore |
| Mudline Elevation (ft) | -25.7 | Vertical Datum | -25.7 MLLW | Drilling Equipment | Research Vessel Titan |
| Easting (X) Northing (Y) | 1298050.72 358051.84 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 11:12:00 AM 29.2 |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 10 (ft) | | | | Water Elevation (ft) 3.5 | |

| Elevation (feet) | FIELD DATA | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|------------------------|----------------------|--|-------|------------------|--|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | |
| 0 | 77 | | | | SM | Gray silty fine sand and trace wood debris (chips) | NS | <1% | No odor |
| | | | MAF-SC-18_0-2 | | ML | Gray silt and trace wood debris (twigs) and shell fragments | NS | <5% | Moderate H ₂ S odor, trace organic matter (roots) |
| | | | | | | | NS | <5% | Heavy H ₂ S odor |
| | | | MAF-SC-18_2-4 | | | | | | |
| | | | | | | | NS | 1% | Heavy H ₂ S odor |
| | | | MAF-SC-18_4-6 | | | | | | |
| 5 | | | | | | Increased wood debris from 6 to 6.5 feet (twigs, chips and bark) | NS | <5% | Heavy H ₂ S odor |
| | | | MAF-SC-18_6-7 | | SP | Gray medium sand with occasional gravel | NS | 0% | No odor |
| | | | MAF-SC-18_7-8 | | | | NS | 0% | No odor |

Sediment core completed at 8 feet below mudline

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-18



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-77
Sheet 1 of 1

| | | | | | |
|---|-------------------------|------------------------|---------------------------------------|------------------------------------|---|
| Start Drilled 10/28/2015 | End 10/28/2015 | Total Depth (ft) 10 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Vibracore |
| Mudline Elevation (ft) | -82.99 | Vertical Datum | -82.99 MLLW | Drilling Equipment | Research Vessel Titan |
| Easting (X) Northing (Y) | 1298167.75 358645.08 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) Water Elevation (ft) |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 12 (ft) | | | | 12:05:00 PM | 87.99 5 |

| Elevation (feet) | FIELD DATA | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|--|-------------|------------------|------------------------|-------------------------|--|-------|------------------|---------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | |
| 0 | | 78 | | | ML | Gray silt and trace wood debris (bark) | NS | <1% | No odor, occasional worms |
| | | | | MAF-SC-19_0-2 | SM | Gray silty fine sand with trace shell fragments | NS | 0% | No odor |
| | | | | MAF-SC-19_2-4 | SP | Gray fine to medium sand with occasional shell fragments | NS | 0% | No odor |
| | | | | MAF-SC-19_4-6 | | | NS | 0% | No odor |
| | | | | MAF-SC-19_6-8 | | | NS | 0% | No odor |
| | | | | MAF-SC-19_8-10 | | | NS | 0% | No odor |
| 10 | Sediment core completed at 10 feet below mudline | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-19



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-78
Sheet 1 of 1

| | | | | | |
|---|-------------------------|-------------------------|---------------------------------------|------------------------------------|--|
| Start Drilled 10/29/2015 | End 10/29/2015 | Total Depth (ft) 4.5 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Vibracore |
| Mudline Elevation (ft) | -78.59 | Vertical Datum | -78.59 MLLW | Drilling Equipment | Research Vessel Titan |
| Easting (X) Northing (Y) | 1298481.99 359012.51 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 84.84 Water Elevation (ft) 6.25 |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 10 (ft) | | | | 11:42:00 AM | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|--|-------------|---|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample Sample Name Testing | Graphic Log | | | | |
| 0 | | 100 | | | | | | |
| | | | MAF-SC-20_0-1 | | SM Brown silty fine sand with trace shell fragments and trace wood debris (chips) | NS | <1% | No odor |
| | | | MAF-SC-20_1-2 | | SP Brown fine sand and trace wood debris (chips) | NS | <1% | |
| | | | MAF-SC-20_2-3 | | SP Brown fine sand with trace shell fragments | NS | 0% | |
| | | | MAF-SC-20_3-4.5 | | | NS | 0% | |

Sediment core completed at 4.5 feet below mudline

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-20



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-79
Sheet 1 of 1

| | | | | | |
|---|-------------------------|-----------------------|---------------------------------------|------------------------------------|----------------------------------|
| Start Drilled 10/29/2015 | End 10/29/2015 | Total Depth (ft) 6 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Vibracore |
| Mudline Elevation (ft) | -68.71 | Vertical Datum | -68.71 MLLW | Drilling Equipment | Research Vessel Titan |
| Easting (X) Northing (Y) | 1298786.12 359421.05 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 6.75 |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 12 (ft) | | | | 12:42:00 PM | 6.75 |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS | |
|------------------|------------|-------------|--------------------------------------|-------------|----------------------|---|------------------|---------|---|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | | |
| 0 | 60 | | | | SM | Dark brown silty fine sand and occasional wood debris (bark, sawdust and chips) | NS | 10% | Moderate H ₂ S odor, trace worms |
| 10 | | | MAF-SC-21_0-1 MAF-SC-Dup-09 CA | | ML | Dark brown silt with occasional wood debris (bark, sawdust and chips) | NS | 5% | No odor |
| | | | MAF-SC-21_1-2 | | SP | Brown fine sand with occasional shell fragments | NS | 0% | No odor |
| | | | MAF-SC-21_2-4 CA | | | | | | |
| | | | | | SP | Gray fine sand with occasional shell fragments | NS | 0% | No odor |
| 5 | | | MAF-SC-21_4-6 | | | | | | |

Sediment core completed at 6 feet below mudline

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-21



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-80
Sheet 1 of 1

| | | | | | |
|---|-------------------------|------------------------|---------------------------------------|------------------------------------|---|
| Start Drilled 10/27/2015 | End 10/27/2015 | Total Depth (ft) 10 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Vibracore |
| Mudline Elevation (ft) | -3.34 | Vertical Datum | -3.34 MLLW | Drilling Equipment | Research Vessel Titan |
| Easting (X) Northing (Y) | 1297796.02 357725.63 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 7.09 Water Elevation (ft) 3.75 |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 10 (ft) | | | | 10:43:00 AM | |

| Elevation (feet) | FIELD DATA | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|-------------|----------------------|---|-------|------------------|---|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | | |
| 0 | | 85 | | | SP | Brown fine to medium sand with trace gravel and wood debris (chips) | NS | <5% | No odor, occasional clams, trace shells |
| | | | MAF-SC-23_0-2 | | | | | | |
| | | | | | SP | Gray fine to medium sand | NS | 0% | No odor |
| | | | MAF-SC-23_2-4 | | | | | | |
| | | | | | | | | | |
| 5 | | | MAF-SC-23_5-6 | | SM | Brown silty fine to medium sand with trace gravel and wood debris (chips, bark and twigs) | NS | <1% | Slight H ₂ S odor |
| | | | MAF-SC-23_6-8 | | | | NS | <1% | Slight H ₂ S odor |
| | | | | | | | | | |
| | | | MAF-SC-23_8-10 | | | | NS | <1% | Slight H ₂ S odor |
| | | | | | SP | Gray medium sand | NS | 0% | Slight H ₂ S odor |
| | | | | | SM | Brown silty fine sand and trace wood debris (chips) | NS | <1% | Slight H ₂ S odor |
| 10 | | | | | SP | Gray medium sand | NS | 0% | Slight H ₂ S odor |
| | | | | | | Sediment core completed at 10 feet below mudline | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-23



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-81
Sheet 1 of 1

| | | | | | | | | | | | | |
|---|--|---------------------------|----------------------|--|--------------------------|--|---------------------------|--------------------------|------------------------------------|-----------------------|--------------------------------------|----------------------|
| <div>Start</div> Drilled 10/26/2015 | | <div>End</div> 10/26/2015 | Total Depth (ft) 4.8 | | <div>Logged By</div> RST | | <div>Checked By</div> IHW | | Driller Gravity Environmental, LLC | | <div>Drilling Method</div> Vibracore | |
| Mudline Elevation (ft) 4.66 | | | | Vertical Datum 4.66 MLLW | | | | Drilling Equipment | | Research Vessel Titan | | |
| Easting (X) 1298007.36 | | Northing (Y) 357331.05 | | Horizontal Datum WA State Plane,North NAD83 (feet) | | | | Surface Water | | Depth to Mudline (ft) | | Water Elevation (ft) |
| Notes: Core Tube Data: ID 0.33 (ft), OD 0.31 (ft), Length 10 (ft) | | | | | | | | Time Measured 1:55:00 PM | | 4.59 | | 9.25 |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|-------------|--|-------|------------------|---------------------------|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | |
| 0 | 92 | | | | Brown fine to medium sand with gravel and trace shells | NS | 0% | Occasional clams, no odor |
| | | | MAF-SC-24_1-2 | | | | | |
| | | | MAF-SC-24_2-4 | | Brown fine to coarse gravel with sand | NS | 0% | No odor |

Sediment core completed at 4.8 feet below mudline

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-24



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-82
Sheet 1 of 1

| | | | | | |
|---|--|-----------------------|--|------------------------------------|------------------------------|
| Start Drilled 10/26/2015 | End 10/26/2015 | Total Depth (ft) 4 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Vibracore |
| Mudline Elevation (ft) 3.44 | Vertical Datum 3.44 MLLW | | Drilling Equipment Research Vessel Titan | | |
| Easting (X) 1298140.47 | Horizontal Datum WA State Plane, North NAD83 (feet) | | Surface Water | Depth to Mudline (ft) | Water Elevation (ft) |
| Notes: Core Tube Data: ID 0.33 (ft), OD 0.31 (ft), Length 10 (ft) | Time Measured 2:47:00 PM | | 6.56 | | 10 |

| Elevation (feet) | FIELD DATA | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|------------------------|-------------------------|---|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | |
| 0 | 81 | | | | SP | Brown fine to medium sand with trace gravel and shell fragments | NS | 0% | No odor |
| | | | | MAF-SC-25_1-2 | SW | Brown fine to coarse sand with occasional gravel and occasional shell fragments | NS | 0% | No odor |
| | | | | MAF-SC-25_2-4 | SP | Brown fine to medium sand with occasional gravel and trace wood debris (bark) | NS | <1% | No odor |

Sediment core completed to 4 feet below mudline

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-25




Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-83
Sheet 1 of 1

| | | | | | | | |
|---|-------------------|--|------------------------------------|------------------------------------|---|-------------------------------|-------------------------------|
| Start Drilled 10/29/2015 | End 10/29/2015 | Total Depth (ft) 3 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Vibracore | | |
| Mudline Elevation (ft) 7.14 | | | Vertical Datum 7.14 MLLW | | Drilling Equipment Research Vessel Titan | | |
| Easting (X) 1298067.73 Northing (Y) 357151.88 | | Horizontal Datum WA State Plane,North NAD83 (feet) | | | Surface Water Time Measured 8:50:00 AM | Depth to Mudline (ft) 3.61 | Water Elevation (ft) 10.75 |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 10 (ft) | | | | | | | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|--|------------|-------------|------------------|-------------|----------------------|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | |
| 0 | 92 | | MAF-SC-26_1-2 | | SP | NS | <1% | No odor |
| 6 | | | MAF-SC-26_2-3 | | GP | NS | 0% | No odor |
| Sediment core completed at 3 feet below mudline | | | | | | | | |
| Note: See Figure L-1 for explanation of symbols. | | | | | | | | |

| Log of Boring MAF-SC-26 | | |
|---|-------------------|-----------------------------|
|  | Project: | Weyerhaeuser Mill A Former |
| | Project Location: | Everett, Washington |
| | Project Number: | 0676-020-04 |
| | | Figure L-84 Sheet 1 of 1 |

| | | | | | | |
|--|--|--|--|---|---|---|
| <div>Start Drilled 10/29/2015</div> <div>End 10/29/2015</div> | | <div>Total Depth (ft)</div> <div>3.5</div> | <div>Logged By Checked By</div> <div>RST IHW</div> | <div>Driller Gravity Environmental, LLC</div> | | <div>Drilling Method</div> <div>Vibracore</div> |
| <div>Mudline Elevation (ft)</div> <div>7.02</div> | | | <div>Vertical Datum</div> <div>7.02 MLLW</div> | | <div>Drilling Equipment</div> | <div>Research Vessel Titan</div> |
| <div>Easting (X)</div> <div>1298123.09</div> | | <div>Northing (Y)</div> <div>357225.9</div> | <div>Horizontal Datum</div> <div>WA State Plane,North NAD83 (feet)</div> | | <div>Surface Water</div> <div>Time Measured</div> <div>8:15:00 AM</div> | <div>Depth to Mudline (ft)</div> <div>4.23</div> <div><div>Water Elevation (ft)</div><div>11.25</div></div> |
| <div>Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 10 (ft)</div> | | | | | | |

| Elevation (feet) | FIELD DATA | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|---------------------|-------------|----------------------|--|-------|------------------|----------------------------------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | | |
| 0 | | 86 | | | | SP | Brown fine to medium sand with gravel | NS | 0% | No odor |
| | | | | MAF-SC-27_1-2 | | SP | Black fine to medium sand with occasional gravel | NS | 0% | No odor, organic matter (leaves) |
| 5 | | | | MAF-SC-27_2-3.5 | | SP | Gray-brown fine sand with occasional gravel | NS | 0% | No odor |

Sediment core completed at 3.5 feet below mudline

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-27



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-85
Sheet 1 of 1

| | | | | | | | | |
|---|--|---|--|--|------------------------------------|--|---|--|
| <div>Start Drilled 10/29/2015</div> <div>End 10/29/2015</div> | | Total Depth (ft)8 | <div>Logged By Checked By</div> <div>RST IHW</div> | | Driller Gravity Environmental, LLC | | <div>Drilling Method</div> <div>Vibracore</div> | |
| Mudline Elevation (ft)2.94 | | | Vertical Datum2.94 MLLW | | | Drilling EquipmentResearch Vessel Titan | | |
| Easting (X)1297839.1 | | Horizontal DatumWA State Plane,North NAD83 (feet) | | | Surface Water | | Depth to Mudline (ft) | |
| Northing (Y)356990.73 | | Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 10 (ft) | | | Time Measured | | Water Elevation (ft) | |
| | | | | | 9:42:00 AM | | 5.818.75 | |

| Elevation (feet) | FIELD DATA | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|---|------------|-------------|------------------|------------------------|-------------------------|--|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | |
| 0 | | 90 | | | SW | Brown fine to coarse sand with occasional gravel with trace shell fragments and trace wood debris (bark) | NS | <1% | No odor |
| | | | | MAF-SC-28_0-2 | | | | | |
| | | | | MAF-SC-28_2-4 | | | NS | 0% | No odor |
| | | | | MAF-SC-28_4-6 | SP | Gary fine to coarse sand with occasional gravel | NS | 0% | No odor |
| | | | | MAF-SC-28_6-8 | | | NS | 0% | No odor |
| Sediment core completed at 8 feet below mudline | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-28



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-86
Sheet 1 of 1

| | | | | | |
|---|-------------------|--|------------------------------------|------------------------------------|---|
| Start Drilled 10/27/2015 | End 10/27/2015 | Total Depth (ft) 8 | Logged By Checked By RST IHW | Driller Gravity Environmental, LLC | Drilling Method Vibracore |
| Mudline Elevation (ft) 3.29 | | | Vertical Datum 3.29 MLLW | | Drilling Equipment Research Vessel Titan |
| Easting (X) 1297828.05 | | Horizontal Datum WA State Plane,North NAD83 (feet) | | Surface Water | Depth to Mudline (ft) |
| Northing (Y) 357218.99 | | | | Time Measured | Water Elevation (ft) |
| Notes: Core Tube Data: ID 0.31 (ft), OD 0.33 (ft), Length 10 (ft) | | | | 8:48:00 AM | 3.71 7 |

| Elevation (feet) | FIELD DATA | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|------------------------|-------------------------|--|-------|------------------|---|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | |
| 0 | | 75 | | | SW | Brown fine to coarse sand with trace gravel and occasional shell fragments | NS | 0% | No odor, occasional clams to 1 foot, occasional shell fragments |
| | | | | MAF-SC-29_0-2 | | With increased gravel content | | | |
| | | | | | SM | Gray-brown silty fine to medium sand with occasional gravel | NS | 0% | No odor |
| | | | | MAF-SC-29_2-4 | | | | | |
| | | | | | SM | Gray silty fine sand with trace gravel | NS | 0% | No odor |
| | | | | MAF-SC-29_4-6 | | | | | |
| 5 | | | | | GP-GM | Gray fine gravel with sand and silt | NS | 0% | No odor |
| | | | | MAF-SC-29_6-8 | | | | | |

Sediment core completed at 8 feet below mudline

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-29



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-04

Figure L-87
Sheet 1 of 1

| | | | | | |
|-----------------------------|-------------------------|------------------------|---------------------------------------|--------------------------------|--|
| Start Drilled 11/12/2018 | End 11/12/2018 | Total Depth (ft) 10 | Logged By Checked By RST RST | Driller Gravity Marine Service | Drilling Method Vibracore |
| Mudline Elevation (ft) | -43.5 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1297941.65 358157.03 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 9:00:00 AM 54.5 |
| Notes: | | | | Water Elevation (ft) 11 | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|-------------------|-------------|---------------------------------|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | |
| 0 | | 95 | | | Gray fine to coarse sand | NS | 0% | |
| 45 | | | MAF-SC-55 0-2 | | | NS | 0% | |
| | | | MAF-SC-55 2-4 | | | NS | 0% | |
| | | | MAF-SC-55 4-6 | | 3-inch-diameter rock in sampler | NS | 0% | |
| 50 | | | MAF-SC-55 6-8 | | | NS | 0% | |
| | | | MAF-SC-55 8-10 | | | NS | 0% | |
| 10 | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-55



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-06

Figure L-89
Sheet 1 of 1

| | | | | | |
|-----------------------------|------------------------|------------------------|---------------------------------------|--------------------------------|---|
| Start Drilled 11/12/2018 | End 11/12/2018 | Total Depth (ft) 10 | Logged By Checked By RST RST | Driller Gravity Marine Service | Drilling Method Vibracore |
| Mudline Elevation (ft) | -45.8 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298332.6 358413.13 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) Water Elevation (ft) |
| Notes: | | | | 10:30:00 AM | 56 10.2 |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|---------------------------------------|-------------|---|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | |
| 0 | | 95 | | | | | | |
| | | | MAF-SC-56 0-2 CA | | Gray fine to medium sand with trace shell fragments | NS | <5% | |
| | | | MAF-SC-56 2-4 CA DUP07 CA | | | NS | 0% | |
| | | | MAF-SC-56 4-6 | | Gray silty fine to medium sand with trace shell fragments | NS | 0% | |
| | | | MAF-SC-56 6-8 | | | NS | 0% | |
| | | | MAF-SC-56 8-10 | | | NS | 0% | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-56



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-06

Figure L-90
Sheet 1 of 1

| | | | | |
|---|---|--|---|--|
| <div>Start Drilled 11/13/2018</div> <div>End 11/13/2018</div> | <div>Total Depth (ft) 10</div> | <div>Logged By Checked By RST RST</div> | <div>Driller Gravity Marine Service</div> | <div>Drilling Method Vibracore</div> |
| <div>Mudline Elevation (ft) -42.3</div> | <div>Vertical Datum MLLW</div> | <div>Drilling Equipment Research Vessel Tieton</div> | | |
| <div>Easting (X) 1298477.44</div> <div>Northing (Y) 358421.42</div> | <div>Horizontal Datum WA State Plane,North NAD83 (feet)</div> | <div>Surface Water</div> <div>Time Measured</div> <div>Depth to Mudline (ft) 52.5</div> <div>Water Elevation (ft) 10.2</div> | | |
| <div>Notes:</div> | | <div>11:25:00 AM</div> | | |

| Elevation (feet) | FIELD DATA | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|------------------|------------------------|----------------------|---|-------|------------------|---------|
| | Interval | Recovered % | Collected Sample | Sample Name Testing | | | | | |
| 0 | | 87 | | | SM | Gray silty sand with occasional wood debris (twigs) | NS | 15% | |
| | | | | MAF-SC-57 0-2 CA | SP | Gray fine to medium sand with rare shell fragments | | | |
| 45 | | | | MAF-SC-57 2-4 CA | | | NS | 0% | |
| | | | | MAF-SC-57 4-6 | | | NS | 0% | |
| 5 | | | | MAF-SC-57 6-8 | | | NS | 0% | |
| | | | | MAF-SC-57 8-9.8 | | | NS | 0% | |
| 10 | | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-57



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-06

Figure L-91
Sheet 1 of 1

| | | | | | |
|-----------------------------|-------------------------|------------------------|---------------------------------------|---------------------------------|--|
| Start Drilled 11/13/2018 | End 11/13/2018 | Total Depth (ft) 10 | Logged By Checked By RST RST | Driller Gravity Marine Service | Drilling Method Vibracore |
| Mudline Elevation (ft) | -37.2 | Vertical Datum | MLLW | Drilling Equipment | Research Vessel Tieton |
| Easting (X) Northing (Y) | 1298415.48 358559.44 | Horizontal Datum | WA State Plane, North NAD83 (feet) | Surface Water Time Measured | Depth to Mudline (ft) 9:50:00 AM 48 |
| Notes: | | | | Water Elevation (ft) 10.8 | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|--|-------------|--|-------|---------------------|--|
| | Interval | Recovered % | Collected Sample Sample Name Testing | Graphic Log | | | | |
| 0 | | 97 | | | Gray silt with wood debris (chips and bark) | NS | 35% | Moderate H ₂ S odor to 2 feet |
| | | | MAF-SC-58 0-2 | | | | | |
| | | | | | Gray silty fine sand with rare shell fragments | NS | 0% | |
| | | | MAF-SC-58 2-4 CA | | | | | |
| | | | | | | NS | 0% | |
| 5 | | | MAF-SC-58 4-6 | | | | | |
| | | | | | | NS | 0% | |
| | | | MAF-SC-58 6-8 | | | | | |
| | | | | | Gray fine sand | NS | 0% | |
| | | | MAF-SC-58 8-10 | | | | | |
| 10 | | | | | | | | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-58



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-06

Figure L-92
Sheet 1 of 1

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| Collected | Sample Testing | Graphic | Group Classification | DESCRIPTION | Sheen | Wood Content |
|------------------------|----------------|---------|----------------------|--|-------|--------------|
| MAF-SC-59 0-2 | | | ML | Gray-brown silt with wood debris (fibers and chips) | NS | 50% |
| MAF-SC-59 2-4 CA | | | ML | Gray silt with rare wood debris (fibers) | NS | <5% |
| MAF-SC-59 4-6 | | | | | NS | <5% |
| MAF-SC-59 6-8 CA | | | SM | Gray silty fine to medium sand with rare shell fragments | NS | 0% |
| MAF-SC-59 8-10 | | | | | NS | 0% |
| MAF-SC-59 10-12 | | | | | NS | 0% |

GEOENGINEERS 

Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-06

Figure L-93
Sheet 1 of 1

| | | | | | | |
|---|--|--|---|---|--|---|
| <div>Start Drilled 11/12/2018</div> <div>End 11/12/2018</div> | | <div>Total Depth (ft)</div> <div>9.75</div> | <div>Logged By Checked By</div> <div>RST RST</div> | <div>Driller Gravity Marine Service</div> | | <div>Drilling Method</div> <div>Vibracore</div> |
| <div>Mudline Elevation (ft)</div> <div>-39.5</div> | | | <div>Vertical Datum</div> <div>MLLW</div> | | <div>Drilling Equipment</div> | <div>Research Vessel Tieton</div> |
| <div>Easting (X)</div> <div>1298159.96</div> | | <div>Horizontal Datum</div> <div>WA State Plane,North NAD83 (feet)</div> | <div>Surface Water</div> <div>Time Measured</div> <div>9:40:00 AM</div> | | <div>Depth to Mudline (ft)</div> <div>54.8</div> | <div>Water Elevation (ft)</div> <div>15.3</div> |
| <div>Notes:</div> | | | | | | |

| Elevation (feet) | FIELD DATA | | | | MATERIAL DESCRIPTION | Sheen | Wood Content (%) | REMARKS |
|------------------|------------|-------------|--------------------|-------------|--|-------|------------------|--------------------------|
| | Interval | Recovered % | Collected Sample | Graphic Log | | | | |
| 0 | | 97 | | | | | | |
| | | | MAF-SC-61 0-2 | | Gray fine to medium sand with occasional shell fragments | NS | <5% | Piece of bark at surface |
| | | | MAF-SC-61 2-4 | | | NS | 0% | |
| | | | MAF-SC-61 4-6 | | | NS | 0% | |
| | | | MAF-SC-61 6-8 | | | NS | 0% | |
| | | | MAF-SC-61 8-9.8 | | | NS | 0% | |

Note: See Figure L-1 for explanation of symbols.

Log of Boring MAF-SC-61



Project: Weyerhaeuser Mill A Former
Project Location: Everett, Washington
Project Number: 0676-020-06

Figure L-95
Sheet 1 of 1

| | | | | | | | | | | |
|--|-------------------------|------------------|---------------------|-----------------|--------------------------------------|-----------|---------|---|--------------------|------------|
| Drilled | Start 4/27/2021 | End 4/27/2021 | Total Depth (ft) | 3 | Logged By Checked By | NS RST | Driller | Cascade Drilling, LLC | Drilling Method | Hand tools |
| Surface Elevation (ft) Vertical Datum | 11.64 MLLW | | | Hammer Data | NA | | | Drilling Equipment | Hand-auger | |
| Easting (X) Northing (Y) | 1298187.87 357188.97 | | | System Datum | WA State Plane North NAD83 (feet) | | | Groundwater not observed at time of exploration | | |
| Notes: | | | | | | | | | | |

| Elevation (feet) | FIELD DATA | | | | | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|------------|----------------|------------|------------------|------------------------|-------------------------|-------|--------------------------|---------|
| | Interval | Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | |
| 0 | | 12 | | | EDP-62-0.0 CA | SP | NS | <1 | |
| | | 12 | | | | SP | | | |
| | | 12 | | | EDP-62-2.0 CA | SW | NS | <1 | |

Note: See Figure L-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on Hand-held GPS. Vertical approximated based on 2012 Port Master Survey for the South Terminal.

Log of Boring EDP-62



Project: Mill A Site
Project Location: Everett, Washington
Project Number: 0676-020-07

Figure L-96
Sheet 1 of 1

| | | | | | | | | | | | | |
|--|--------------------|------------------|------------------------|---|-------------------------|-----------|---------|--------------------------------------|--------------------|---|--|------------|
| Drilled | Start 4/27/2021 | End 4/27/2021 | Total Depth (ft) | 3 | Logged By Checked By | NS RST | Driller | Cascade Drilling, LLC | Drilling Method | Hand tools | | |
| Surface Elevation (ft) Vertical Datum | | | 11.69 MLLW | | Hammer Data | | | NA | | Drilling Equipment | | Hand-auger |
| Easting (X) Northing (Y) | | | 1298221.2 357259.85 | | System Datum | | | WA State Plane North NAD83 (feet) | | Groundwater not observed at time of exploration | | |
| Notes: | | | | | | | | | | | | |

| Elevation (feet) | Depth (feet) | FIELD DATA | | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|--------------|----------------------------|------------|------------------|------------------------|-------------|-------------------------|--|-------|--------------------------|---------|
| | | Interval Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | Graphic Log | | | | | |
| 0 | | 12 | | | EDP-63-0.0 CA | | SP | Brown fine to medium sand with shell fragments (moist) | NS | <1 | |
| | | 12 | | | | | SW | Gray fine to coarse sand with gravel (moist) | NS | <1 | |
| | | 12 | | | EDP-63-2.0 CA | | | | | | |

Note: See Figure L-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on Hand-held GPS. Vertical approximated based on 2012 Port Master Survey for the South Terminal.

Log of Boring EDP-63



Project: Mill A Site
Project Location: Everett, Washington
Project Number: 0676-020-07

Figure L-97
Sheet 1 of 1

| | | | | | | | | | | | | |
|--|--------------------|------------------|-------------------------|---|-------------------------|-----------|---------|--------------------------------------|--------------------|---|--|------------|
| Drilled | Start 4/27/2021 | End 4/27/2021 | Total Depth (ft) | 3 | Logged By Checked By | NS RST | Driller | Cascade Drilling, LLC | Drilling Method | Hand tools | | |
| Surface Elevation (ft) Vertical Datum | | | 11.89 MLLW | | Hammer Data | | | NA | | Drilling Equipment | | Hand-auger |
| Easting (X) Northing (Y) | | | 1298247.04 357317.51 | | System Datum | | | WA State Plane North NAD83 (feet) | | Groundwater not observed at time of exploration | | |
| Notes: | | | | | | | | | | | | |

| Elevation (feet) | Depth (feet) | FIELD DATA | | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|--------------|------------|----------------|------------|------------------|---------------------|-------------|----------------------|--|-------|-----------------------|---------|
| | | Interval | Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | | | |
| 0 10 | 0 | | | | | | | | | | | |
| | 12 | | | | | EDP-64-0.0 CA | | SP | Brown fine to medium sand with shell fragments (moist) | NS | <1 | |
| | 12 | | | | | EDP-64-2.0 CA | | SW | Dark gray fine to coarse sand with gravel (moist) | NS | <1 | |

Note: See Figure L-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on Hand-held GPS. Vertical approximated based on 2012 Port Master Survey for the South Terminal.

Log of Boring EDP-64



Project: Mill A Site
Project Location: Everett, Washington
Project Number: 0676-020-07

Figure L-98
Sheet 1 of 1

| | | | | | | | | | | | | |
|--|--------------------|------------------|-------------------------|---|-------------------------|-----------|---------|--------------------------------------|--------------------|---|--|------------|
| Drilled | Start 4/27/2021 | End 4/27/2021 | Total Depth (ft) | 3 | Logged By Checked By | NS RST | Driller | Cascade Drilling, LLC | Drilling Method | Hand tools | | |
| Surface Elevation (ft) Vertical Datum | | | 11.28 MLLW | | Hammer Data | | | NA | | Drilling Equipment | | Hand-auger |
| Easting (X) Northing (Y) | | | 1298245.19 357379.02 | | System Datum | | | WA State Plane North NAD83 (feet) | | Groundwater not observed at time of exploration | | |
| Notes: | | | | | | | | | | | | |

| Elevation (feet) | Depth (feet) | FIELD DATA | | | | | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|--------------|------------|----------------|------------|------------------|---------------------|--|-------|-----------------------|---------|
| | | Interval | Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | |
| | 0 | | | | | | | | | |
| | | 12 | | | EDP-65-0.0 CA | SP | Brown silty fine to coarse sand with shell fragments | NS | <1 | |
| | | 12 | | | | | | | | |
| | | 12 | | | EDP-65-2.0 CA | SW | Dark gray fine to coarse sand with gravel | NS | <1 | |

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Note: See Figure L-1 for explanation of symbols.

Coordinates Data Source: Horizontal approximated based on Hand-held GPS. Vertical approximated based on 2012 Port Master Survey for the South Terminal.

| Log of Boring EDP-65 | |
|-----------------------------|---------------------------------------|
| | Project: Mill A Site |
| | Project Location: Everett, Washington |
| | Project Number: 0676-020-07 |
| Figure L-99 Sheet 1 of 1 | |

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