OPERABLE UNIT SUMMARY REPORT

WEYERHAEUSER EVERETT EAST SITE

Prepared for

Weyerhaeuser Company 101 East Marine View Drive Everett, Washington

March 17, 1995

Prepared by

EMCON 18912 North Creek Parkway, Suite 100 Bothell, Washington 98011-8016

Project 0141-037.64

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1 INTRODUCTION AND OPERABLE UNIT BOUNDARIES

The Weyerhaeuser Company's Everett facility is presently listed as one site pursuant to site ranking procedures of the Model Toxics Control Act (MTCA) and its implementing regulations (Chapter 173-340 WAC). By letter to the Washington State Department of Ecology (Ecology), dated January 7, 1994, Weyerhaeuser Company requested that the site be divided into the seven "operable units," that follow and are shown on Figure 1-1:

- East Site
- West Site
- Former Mill E/Wood Treatment Site
- East Sediments Site
- South End Residual Wood Storage Site
- Smith Island Woodwaste Recovery Site
- Marine View Drive Site

Division of the site into separate units will facilitate reporting cleanup actions and subsequent requests for determinations of "No Further Action" from Ecology for this large site. To facilitate site assessment and characterization, the East Site was further divided into eight areas (3 through 10). These areas were delineated based on historical site activities. Results of the East Site Phase 1 Assessment are provided in Attachment A at the back of this report.

Ecology responded to the request in a letter, dated March 16, 1994. The letter indicated that the site could be divided into operable units and that separate reports could be submitted to the agency under the Independent Remedial Action Program to request a "No Further Action" determination. To proceed, Ecology requested that the following information be submitted for each proposed operable unit:

- 1. A map with operable unit boundaries
- 2. A figure showing all available groundwater data across the site
- 3. A figure overlaying groundwater constituent plumes beneath the operable unit
- 4. A summary of groundwater data for the unit
- 5. A summary of soil constituent data for the unit
- 6. A summary of constituent sources for the unit

This report represents information compiled for the East Site operable unit only. Sections of this report correspond to the information Ecology requested, as numbered above.

The Weyerhaeuser Everett facility consists of more property than is included in the proposed operable units. These other properties are farm fields, Smith Island solid waste landfills, and process treatment ponds. They are regulated by the Department of Agriculture, state minimum functional standards, and NPDES, respectively. All Weyerhaeuser property is shown on Figure 1-1.

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2 GROUNDWATER DATA

First round groundwater sampling activities were performed at the East Site in January 1993. Second, third, fourth, and fifth round groundwater sampling activities were performed at the East Site in May 1993, October 1993, February 1994, and September 1994, respectively. Results of the first round groundwater sampling activities are summarized in Section 3 of Attachment A at the back of this report. Results of the second, third, fourth, and fifth round groundwater sampling activities are summarized in Section 4 of this report and are shown on Figures 2-1A through 2-4B.

3 GROUNDWATER PLUMES

Groundwater plumes beneath the East Site have not been delineated at this time. Additional information is required to support determination of groundwater plumes. Groundwater samples were collected from more than one round of sampling activities at the East Site. Constituents detected in groundwater samples included petroleum hydrocarbons as diesel and oil, and arsenic. These constituents may be associated with former site and off-site manufacturing operations located near specific monitoring wells. Groundwater monitoring activities as summarized in Section 4.

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4 SUMMARY OF GROUNDWATER DATA

Fourteen groundwater monitoring wells, designated MW-100s, MW-100d, MW-101s, MW-102s, MW-103s, MW-103d, MW-104s, MW-105s, MW-105d, MW-106s, MW-107s, MW-108s, MW-108d, and MW-109s, were installed at the East Site in January 1993. The "s" designated a well completed in the shallow aquifer encountered less than 5 feet below grade, and the "d" designated a well completed in the deep aquifer encountered more than 10 feet below grade.

Monitoring well MW-107s was damaged during September 1994. During October 1994, EMCON directed the abandonment of monitoring well MW-107s in accordance with WAC 173-160-415. A replacement monitoring well designated MW-107s(2) was constructed in the vicinity of former well MW-107s.

EMCON performed East Site groundwater sampling activities on five separate occasions: January 1993, May 1993, October 1993, February 1994, and September 1994. Results of the first round sampling event are included in *Phase 1 Assessment for Areas 3 through 10*, *Weyerhaeuser Everett East Site* (EMCON, 1994; provided as Attachment A). Results of the second, third, fourth, and fifth round sampling events are shown on Figures 2-1A through 2-4B presented at the end of the Operable Unit Summary Report.

Laboratory reports associated with the first three rounds of East Site groundwater sampling were validated by Hart Crowser in June 1994. The laboratory reports and the Hart Crowser data validation report are included in Attachment A. Additional groundwater data will be validated as East Site Assessment activities progress. Laboratory reports associated with the fourth and fifth rounds of East Site groundwater sampling are currently being validated by EMCON.

Elevated concentrations of petroleum hydrocarbons as diesel (i.e., above 1.0 mg/L) have been detected in groundwater samples collected from monitoring well MW-107s. Monitoring well MW-107s was located hydraulically downgradient from a former aboveground diesel tank. Due to elevated concentrations of heavy-end petroleum hydrocarbons have not been detected in any of the other East Site wells.

Relatively high concentrations of arsenic (above $1,000 \mu g/L$) were detected in groundwater samples collected from monitoring well MW-108d during all five sampling rounds.

4-1

5 SUMMARY OF SOIL DATA

During August 1992, EMCON collected 27 soil samples from 21 test pits excavated near the proposed trestle alignment area on the East Site. All 27 soil samples were analyzed for petroleum hydrocarbons as diesel, and 20 samples were analyzed for PCBs and pentachlorophenol.

Petroleum hydrocarbons as diesel detected in 22 samples ranged from 3 to 5,400 milligrams per kilogram (mg/kg). PCBs detected in eight samples ranged from 0.006 to 0.570 mg/kg. Pentachlorophenol detected in ten samples ranged from 0.0008 to 0.206 mg/kg. Results of the above-referenced scope of work are reported in the Trestle Alignment Preload Area Summary Report (Attachment C).

A "Phase 1 Assessment" was conducted on the East Site between November 1992 and October 1993 (EMCON, 1994; provided as Attachment A). Soil samples were collected from 131 test pits, 5 soil borings, 2 soil excavations, and 1 soil stockpile. Based on laboratory results associated with the Phase 1 Assessment activities, soil constituents identified for the East Site were heavy-end petroleum hydrocarbons, PCBs, and pentachlorophenol. Heavy-end petroleum hydrocarbons were detected above 1,000 mg/kg in four general areas, PCBs were detected above 10 mg/kg in two general areas, and pentachlorophenol was not detected above 200 mg/kg.

Hart Crowser validated laboratory reports associated with East Site soil sampling activities in June 1994. The validated laboratory reports, including the Hart Crowser data validation report, are included in Attachment A-1

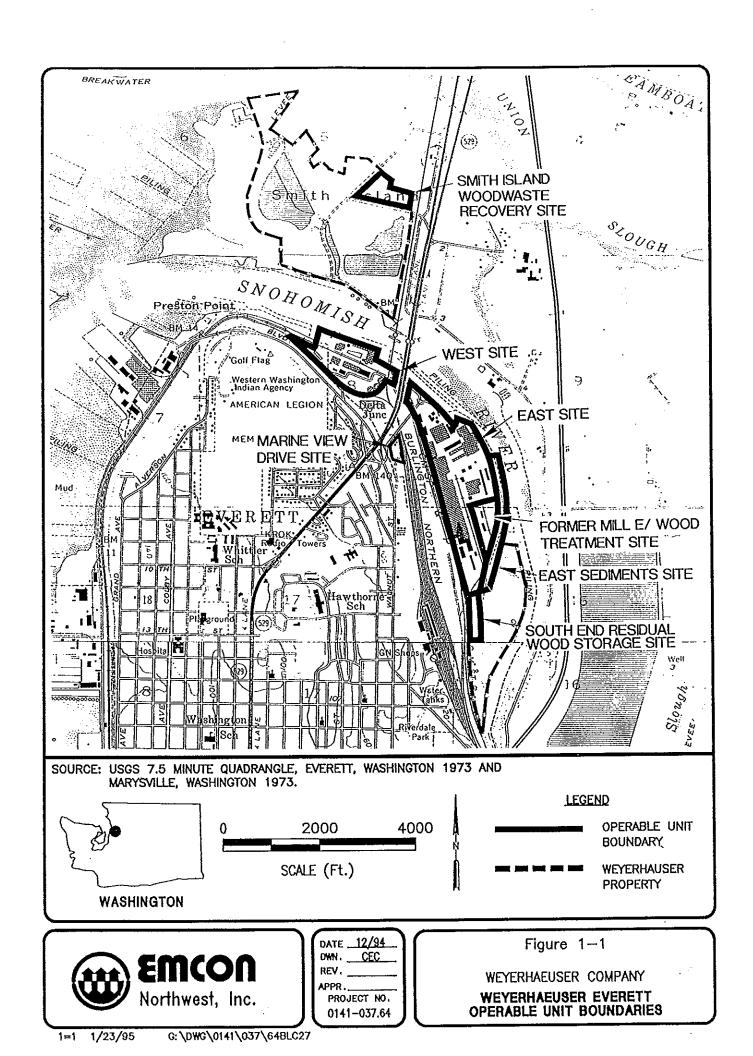
During June 1993, Weyerhaeuser performed an interim remedial action. This included excavation and off-site disposal of approximately 460 cubic yards of petroleum-hydrocarbon-impacted soil from a former fueling site in Area 3.

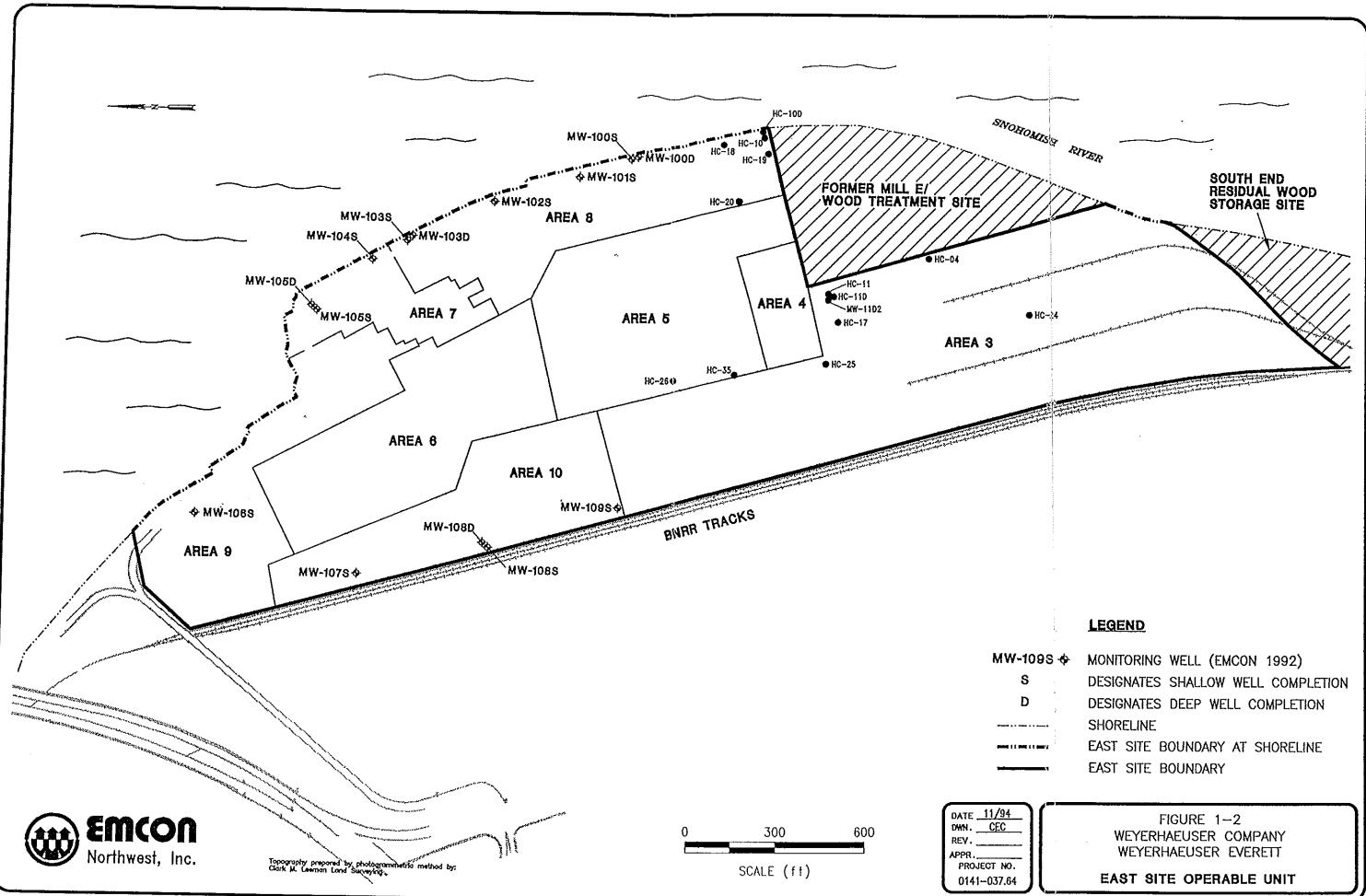
6 CONSTITUENT SOURCE AREAS

Based on the review of site specific historical photos, documentation, information on file at the Weyerhaeuser Mill, and results of the Phase 1 Assessment activities, the following constituent source areas have been identified:

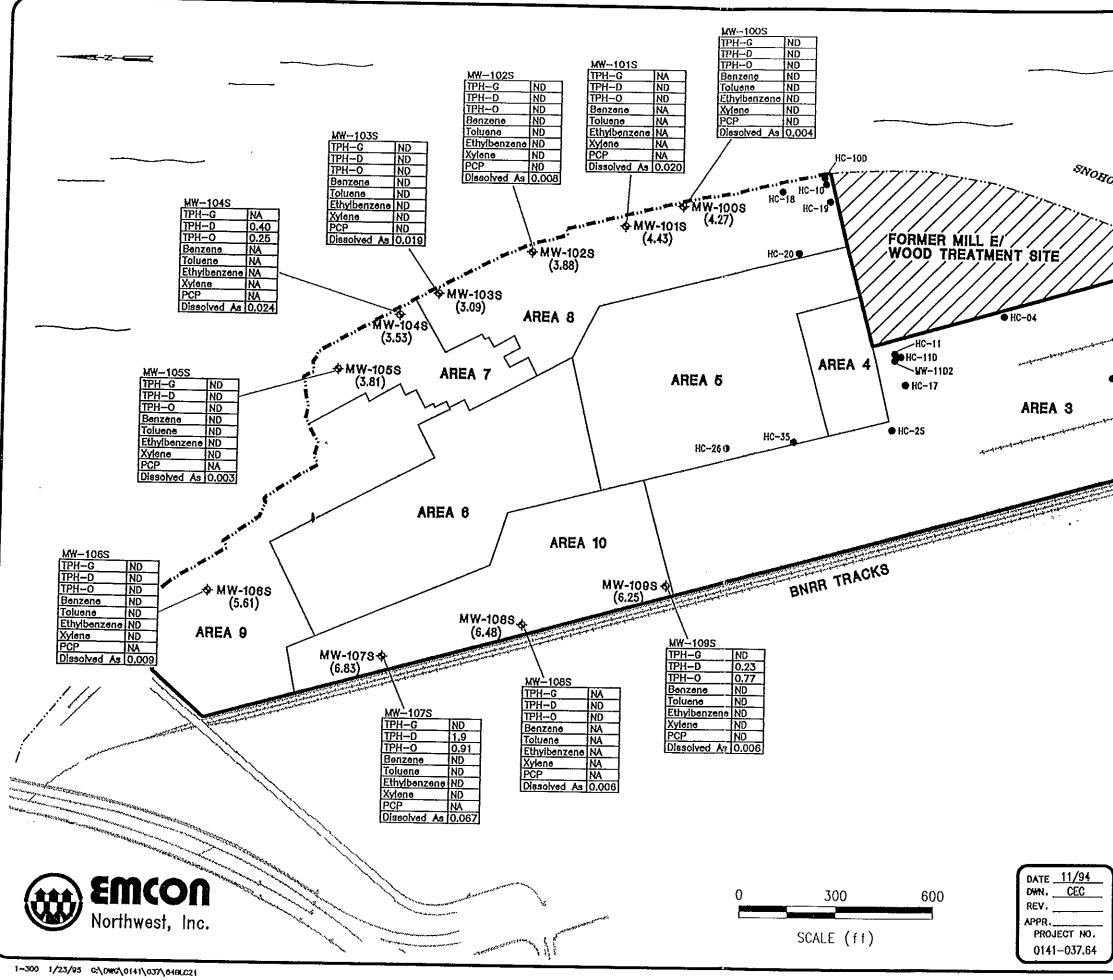
- Former Mill B powerhouse and machine shops in Areas 7 and 9 where heavy-end petroleum hydrocarbons and PCBs have been detected.
- Former transformer location in Area 3 where PCBs have been detected.
- Two former fueling sites in Area 3 where heavy-end petroleum hydrocarbons have been detected. This soil has been excavated and removed from the site to an approved landfill facility.
- One former fueling site in Area 10 where heavy-end petroleum hydrocarbons have been detected

The general distribution of affected soil, and the locations of associated former manufacturing areas and locations of associated former features, are shown on Figure 6-1.

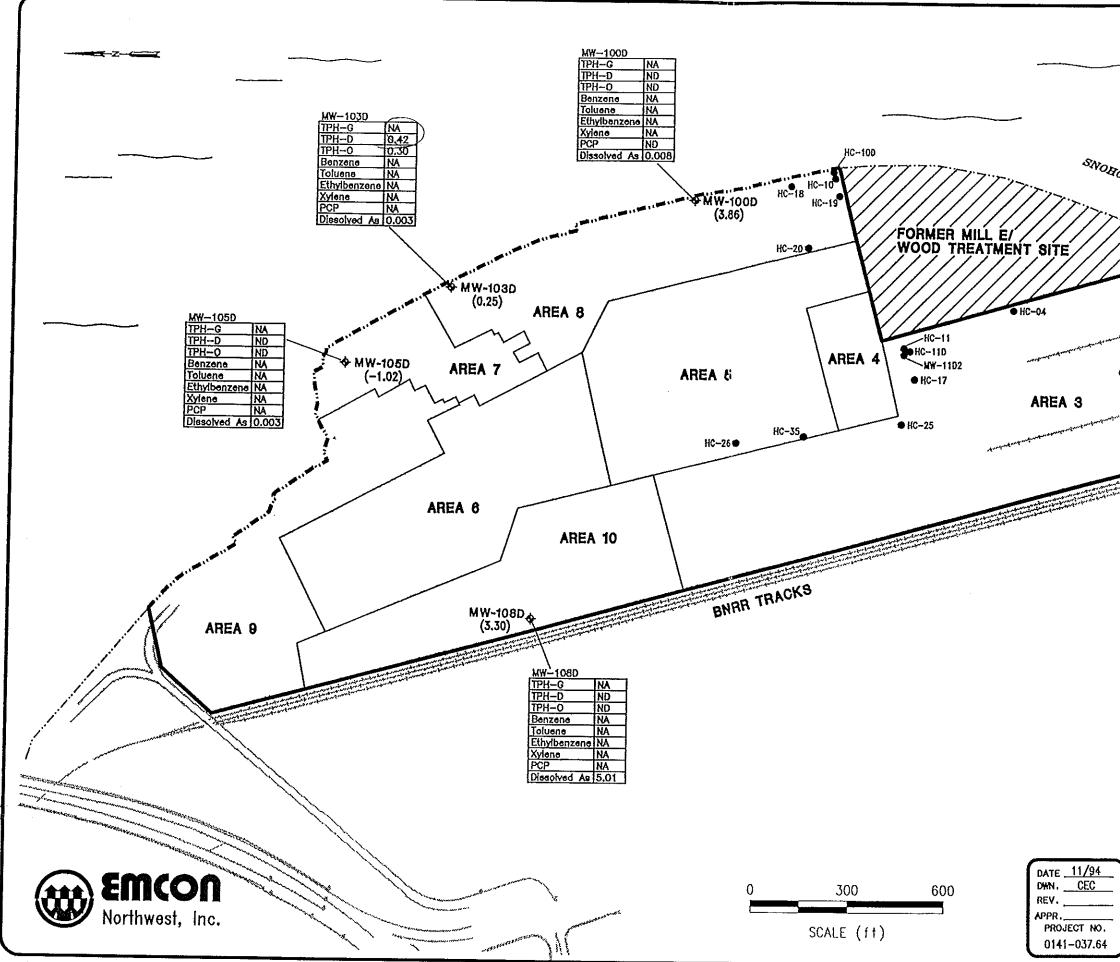




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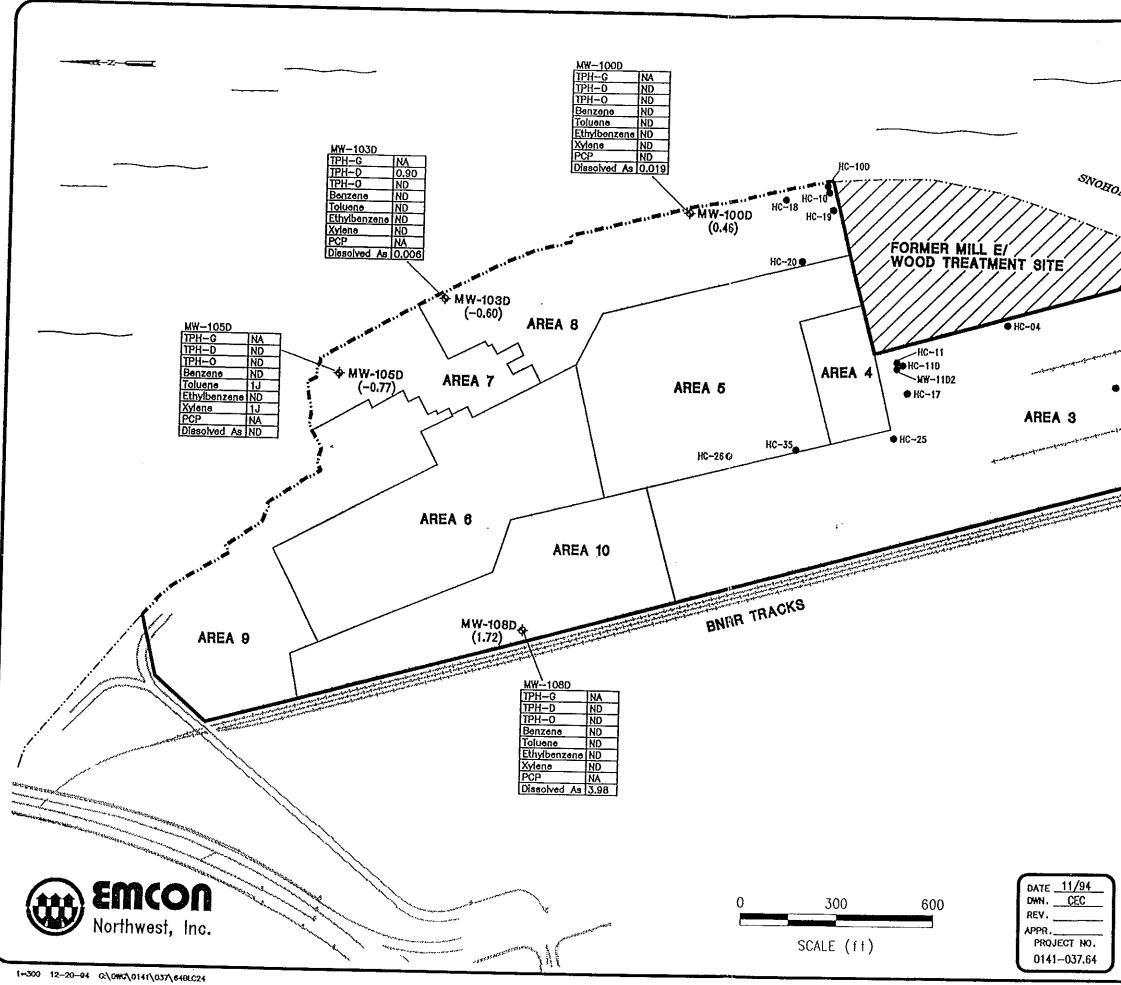


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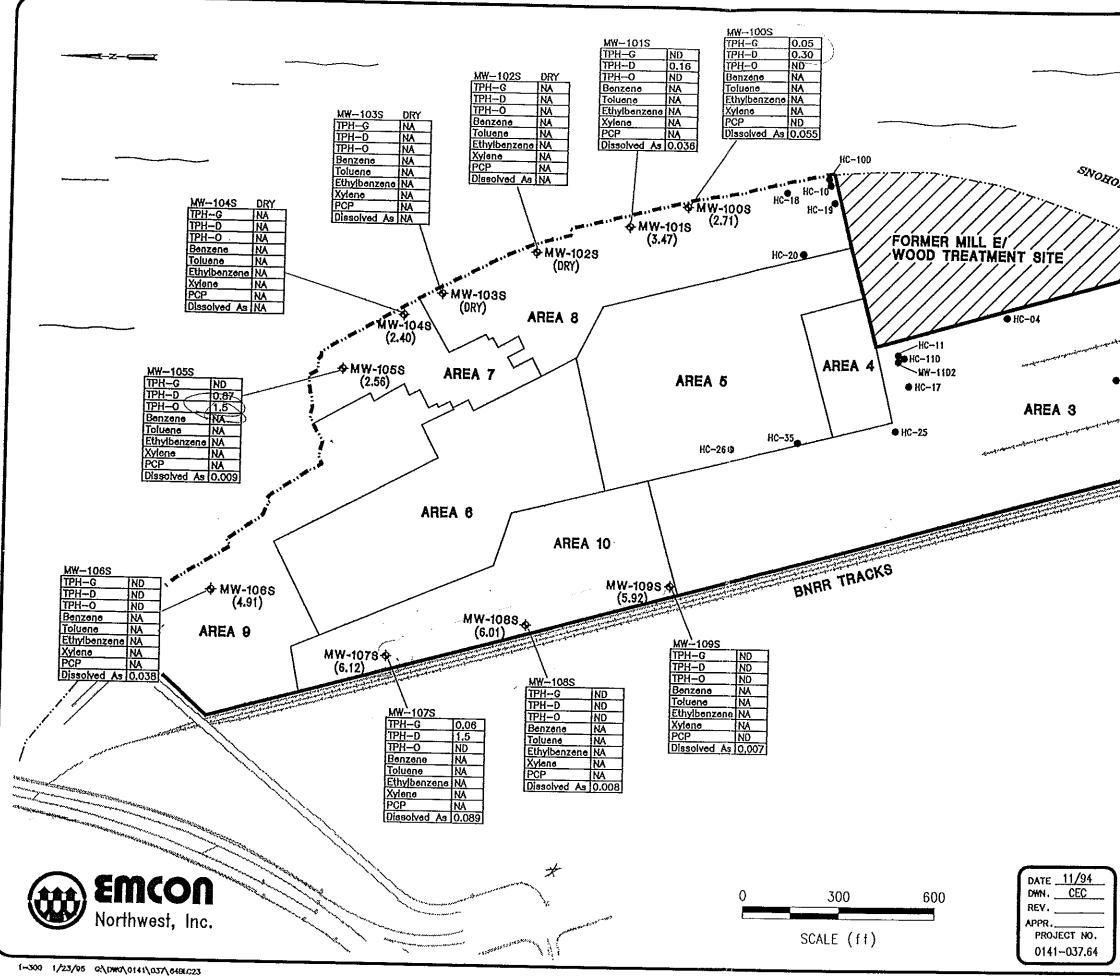


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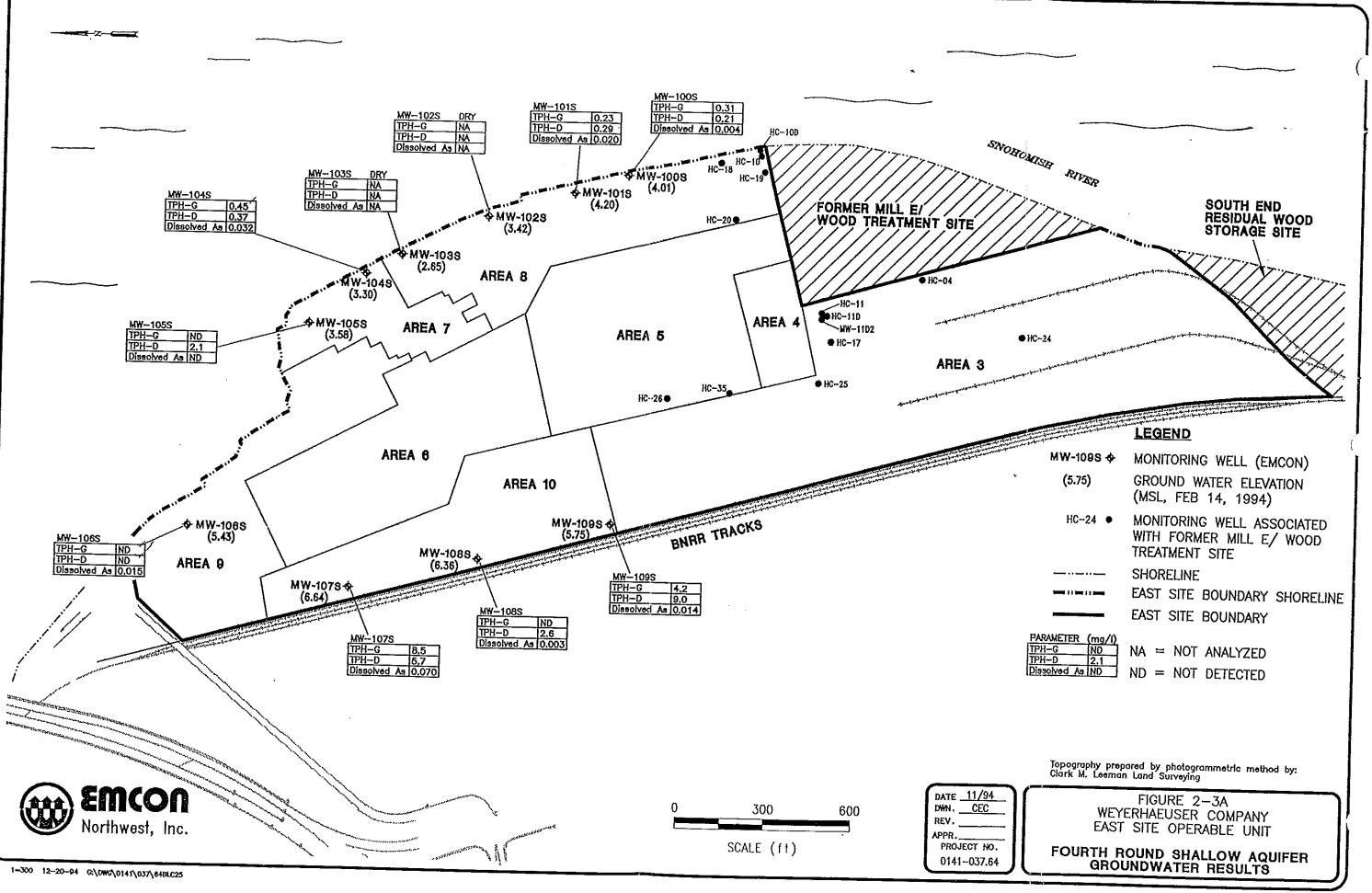
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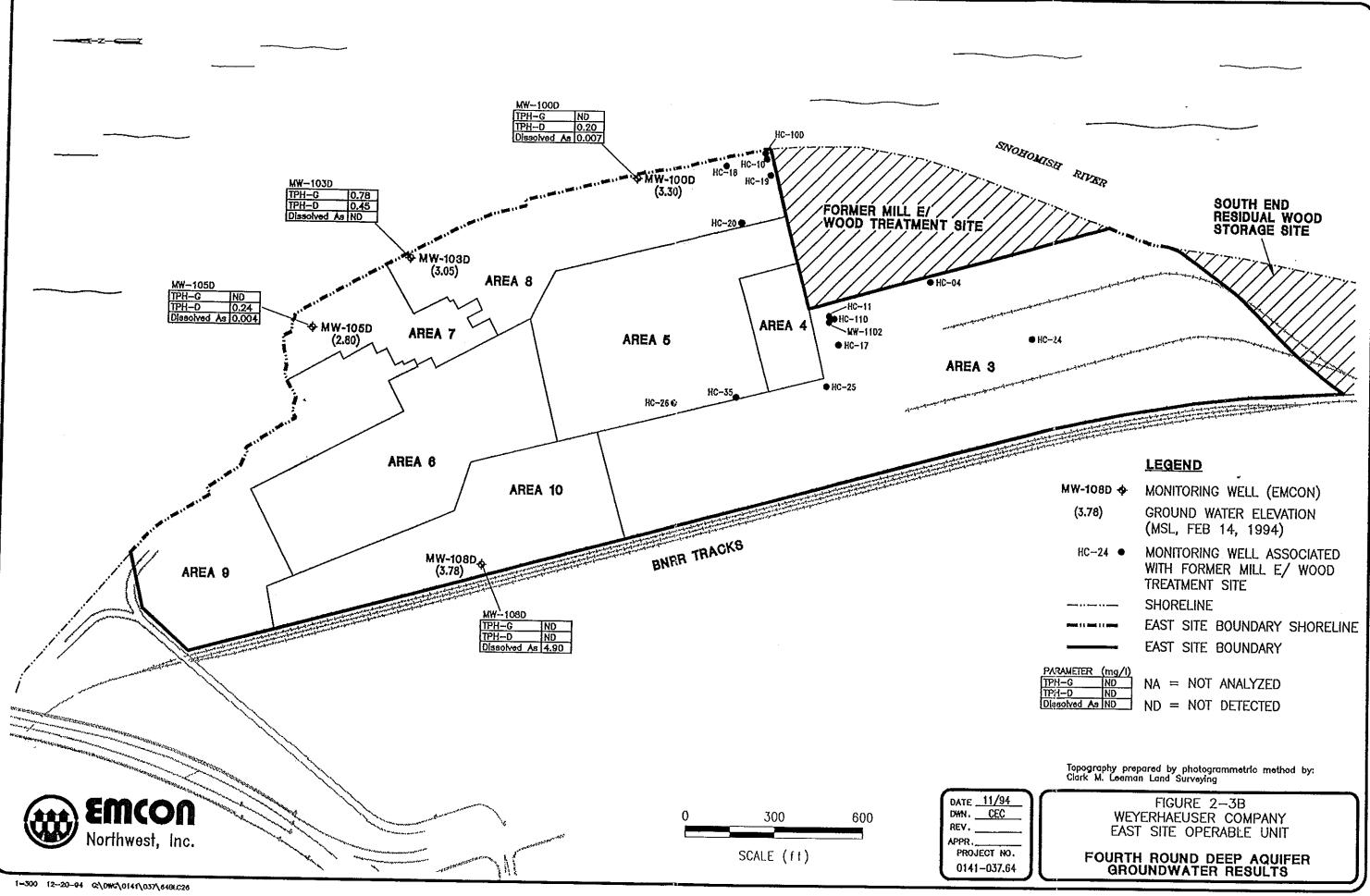


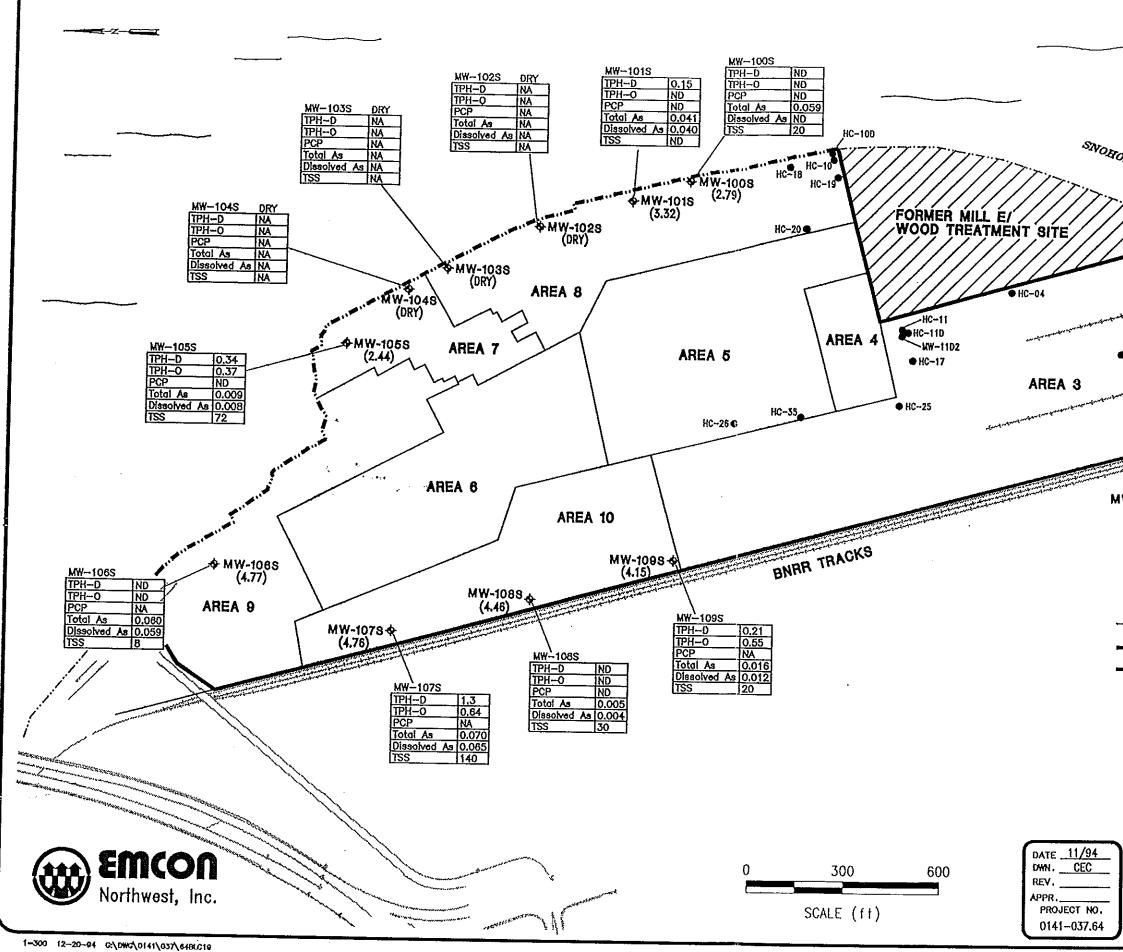
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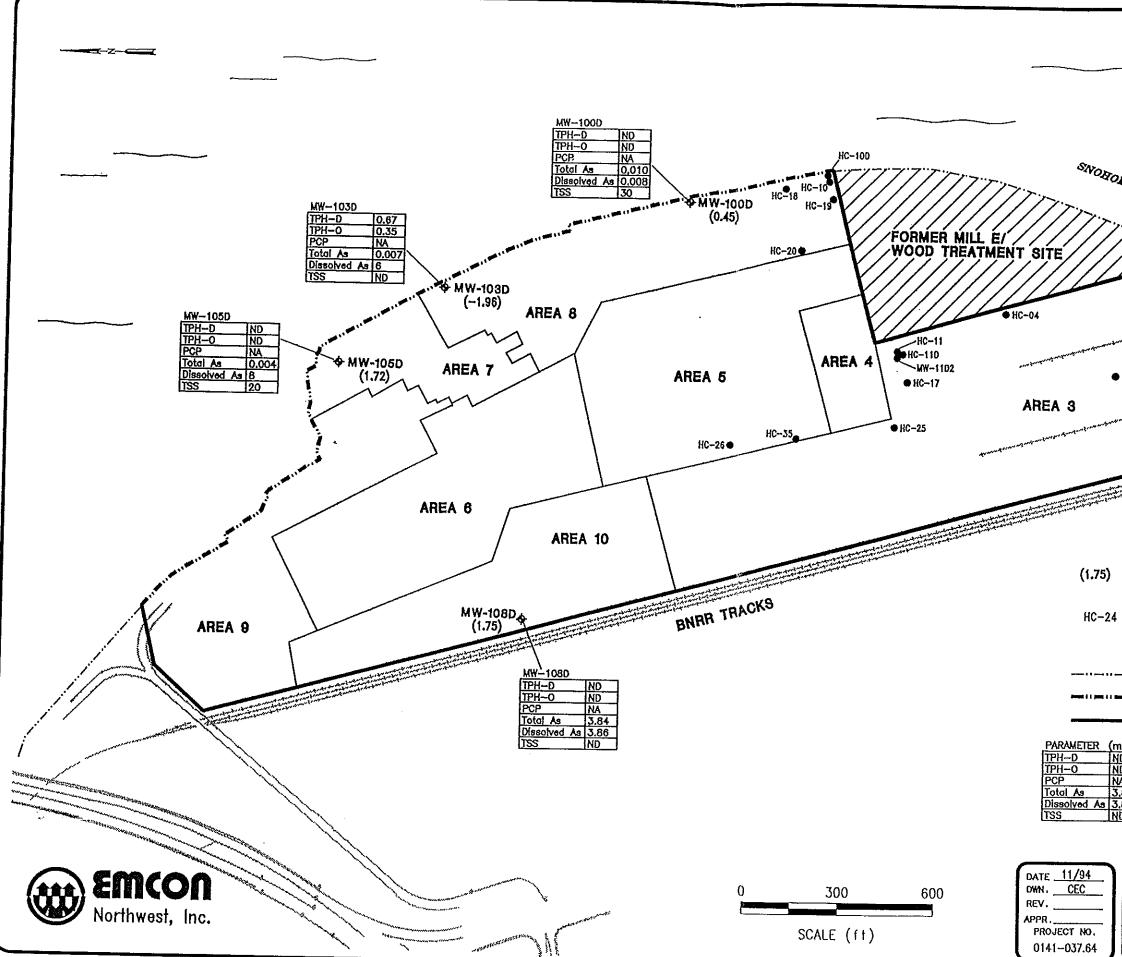




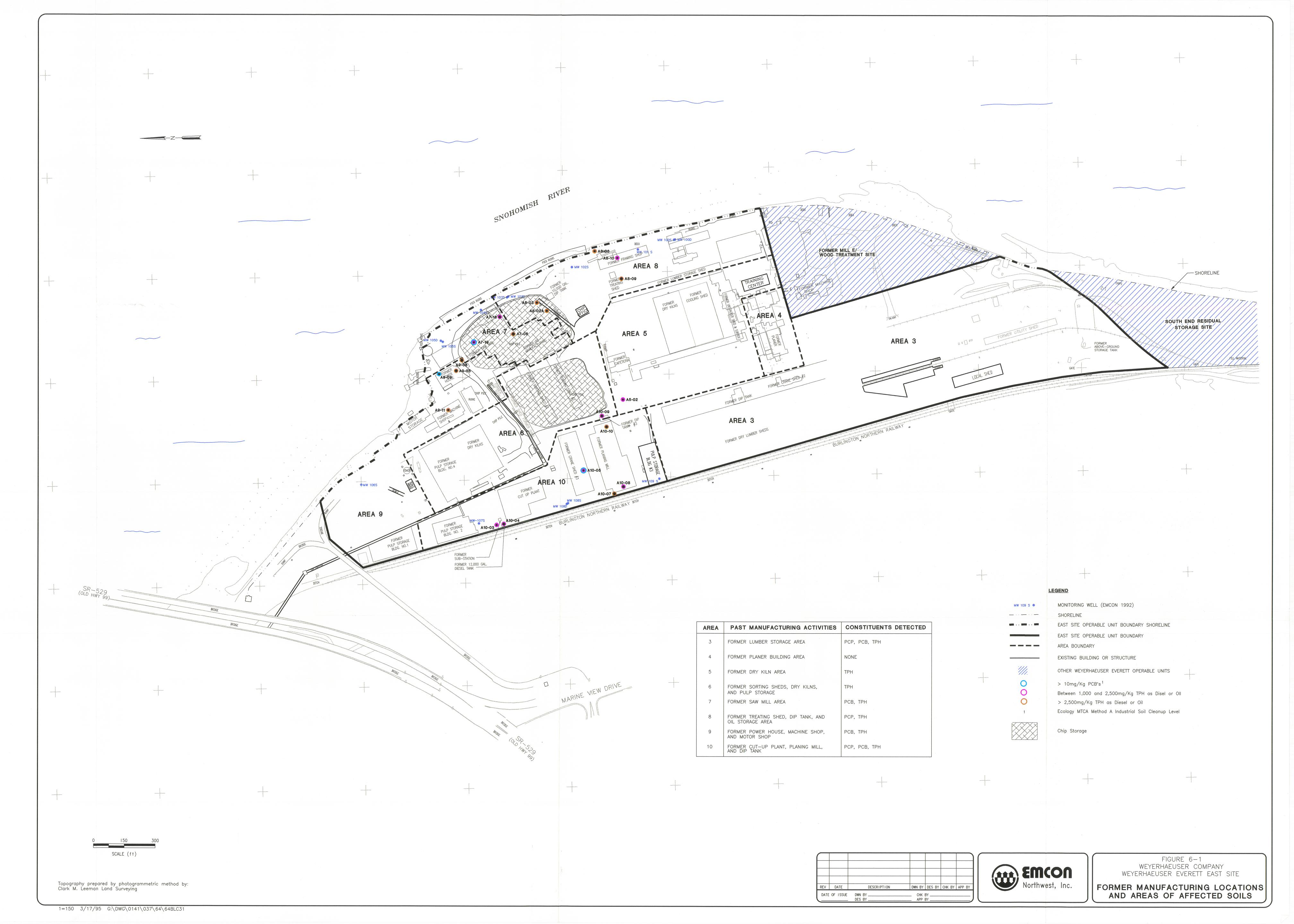
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][FIGURE 2-4B WEYERHAEUSER COMPANY
	EAST SITE OPERABLE UNIT
	FIFTH ROUND DEEP AQUIFER GROUNDWATER RESULTS



ATTACHMENT A

PHASE 1 ASSESSMENT FOR AREAS 3 THROUGH 10, WEYERHAEUSER EVERETT EAST SITE

PHASE 1 ASSESSMENT FOR AREAS 3 THROUGH 10 WEYERHAEUSER EVERETT EAST SITE

Prepared for Weyerhaeuser Company 101 East Marine View Drive Everett, Washington December 1994

Prepared by

EMCON Northwest, Inc. 18912 North Creek Parkway, Suite 100 Bothell, Washington 98011-8016

Project 0141-037.64

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- 3-4 Detected Volatile Organic Compounds
- 3-5 Detected Semivolatile Organic Compounds
- 3-6 Detected Phenols
- 3-7 Detected Pesticides and PCBs
- 3-8 Detected Dissolved Arsenic

Figures

1-1 Site Vicinity Map

Drawing

East Site Operable Unit

End of Report

B/WEY/TRIO-MD/TES-R.d21-95/ch:14 0141-037.64 Pocket

SUMMARY

EMCON conducted preliminary environmental site assessment activities at the Weyerhaeuser East Site (Areas 3 through 10), located in Everett, Washington. Assessment activities included the following:

- Acquiring operational information pertaining to former structures and past practices
- Reviewing the environmental setting surrounding the site
- Digging and collecting soil samples from 131 test pits and 2 soil excavations
- Drilling and collecting soil samples from five soil borings
- Installing and collecting groundwater samples from ten shallow and four deep monitoring wells and seven temporary wellpoints
- Conducting chemical analysis of soil and groundwater samples
- Reviewing laboratory results
- Reporting the findings

Soil Investigation

Soil samples were collected from 131 test pits, 14 soil borings, 2 soil excavations, and 1 soil stockpile. Based on a review of soil sample laboratory results, conclusions pertaining to soil quality at the site are as follows:

• One hundred thirty-nine soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), total petroleum hydrocarbons as diesel (TPH-D), and total petroleum hydrocarbons as heavier (TPH-O). TPH compounds were found in the following four locations on the site: Areas 7, 8, and 9 in the former manufacturing areas; near former dip tank No. 3, including parts of Areas 5, 6, and 10; near the former 12,000-gallon aboveground diesel tank in Area 10; and near the former local shed, a former aboveground diesel

tank, and along the southern portion of the RABANCO lease area in the southern portion of Area 3.

- Eleven soil samples were analyzed for volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, and total xylene (BTEX). Two VOC compounds (acetone and 2-butanone) were detected. One BTEX compound (total xylene) was detected in one sample.
- Forty-five soil samples were analyzed for 64 semivolatile organic compounds (semiVOCs), including pentachlorophenol (PCP) and polycyclic aromatic hydrocarbons (PAHs). One or more semiVOC compounds were detected in 32 samples; concentrations ranged from 0.032 mg/kg 4-methylphenol in sample A5-02 to 200 mg/kg PCP in sample A8-09.
- Two soil samples were analyzed exclusively for 16 PAH constituents. Seven PAH compounds were detected in boiler ash sample EX-2, collected from southern Area 3; the compounds ranged from 0.88 mg/kg benzo(a)anthracene to 18 mg/kg phenanthrene. Twelve PAHs were detected in a product sample taken from the boiler ash material; results ranged from 480 mg/kg benzo(k)fluoranthene to 6,000 mg/kg phenanthrene.
- Thirty-six soil samples were analyzed for four phenolic compounds, including PCP. PCP, associated phenolic compounds, or both, were detected in 31 samples. Results ranged from 0.002 mg/kg 2,3,4,6-tetrachlorophenol in sample A4-02 to 200 mg/kg PCP in sample A8-09. (Results of sample analysis for PCP in A8-09 were 30.3 mg/kg by EPA Method 8040. This exceeded the calibration range for the instrument. EPA Method 8270 analysis of sample A8-09 yielded results of 200 mg/kg PCP.)
- Forty soil samples were analyzed for pesticides and PCB compounds. Pesticide compounds were detected in 22 samples. Results ranged from 0.00051 mg/kg 4,4-DDE in A10-09 to 0.35 alpha-chlordane in sample A9-09. Aroclor-1016 was detected in three samples. Results ranged from 0.047 mg/kg in sample A7-01A to 1.2 mg/kg in sample A7-19B. Aroclor-1242 was detected in sample A6-05 at 0.038 mg/kg. Aroclor-1254 was detected in 15 samples. Results ranged from 0.015 mg/kg in sample A7-17 to 22 mg/kg in sample A9-09. Aroclor-1260 was detected in 14 samples. Results ranged from 0.016 mg/kg in sample A10-09 to 87 mg/kg in sample A10-05.
- Five soil samples were analyzed for total arsenic. Arsenic was detected in all five samples. Results ranged from 5.2 mg/kg in sample A10-08 to 20 mg/kg in sample A3-05.

Groundwater Investigation

Groundwater samples were collected from 1 soil excavation, 7 temporarily installed wellpoints, and 14 monitoring wells. Based on a review of groundwater sample laboratory results, conclusions pertaining to groundwater quality at the site are as follows:

- Groundwater samples from four wellpoints and seven monitoring wells were analyzed for TPH-G. Groundwater samples from 4 wellpoints, 1 soil excavation, and 13 monitoring wells were analyzed for TPH-D and TPH-O. TPH-G was detected in two groundwater samples: MW-107S at 0.33 mg/L, and MW-109S at 0.69 mg/L. TPH-D was detected in five groundwater samples. Results ranged from 1 mg/L in sample MW-104S to 26.3 mg/L in sample EX-1. TPH-O was detected in six groundwater samples. Results ranged from 1 mg/L in sample EX-1.
- Sixteen groundwater samples were analyzed for VOCs. Methylene chloride was detected at 5.0 μ g/L in sample MW-106S. Acetone was detected in six samples. Results ranged from 12 μ g/L in samples MW-103D and MW-106S to 26 μ g/L in sample MW-109S. No BTEX compounds were detected in any of the groundwater samples analyzed.
- Seventeen groundwater samples were analyzed for 64 semiVOCs, including PCP. SemiVOC compounds were detected in 13 samples. Results ranged from 1 μ g/L to 71 μ g/L. Naphthalene and bis(2-Ethylhexyl)phthalate were detected in sample WP-R1 at 71 μ g/L and 69 μ g/L, respectively. PCP was detected in samples WP-2 and WP-R1 at 1 μ g/L and 8 μ g/L, respectively.
- Five groundwater samples were analyzed for four phenolic compounds. Only one phenolic compound, PCP, was detected. PCP was detected in sample MW-103S at 0.05 μ g/L.
- Four groundwater samples were analyzed for pesticides and PCB compounds. One pesticide compound, Aldrin, was detected in sample MW-103S at 0.011 μ g/L. Aroclor-1016 and Aroclor-1242 were detected in sample WP-2 at 0.78 μ g/L and 1.2 μ g/L, respectively. Aroclor-1254 was detected in sample MW-105S at 0.42 μ g/L.
- Fourteen groundwater samples were analyzed for dissolved arsenic. Dissolved arsenic was detected in 13 samples. Results ranged from $4 \mu g/L$ in sample MW-103D to 4,460 $\mu g/L$ in sample MW-108D.

Geology

The site is situated on relatively level dredge fill adjacent to the Snohomish River. In the early 1900s, the site was filled by using sand dredged from the river bottom. In general, the sediment underlying the site consists of man-made and dredge fill overlying natural estuarine and fluvial sediment. The natural sediments underlying the site have been subdivided into the following silt and sand units:

- The Grade Fill and Mixed Fill unit was encountered in four soil borings. It ranged from approximately 2 to 6 feet thick.
- The Upper Sand unit (dredge fill) was encountered site-wide within the deep soil borings. It ranged from approximately 4 to 6 feet thick.
- The Upper Silt unit (estuarine) was encountered in four soil borings. It ranged from approximately 6 to 9 feet thick.
- The Lower Sand unit (fluvial) was encountered site-wide within the deep soil borings. Its thickness was not determined.

Hydrogeology

Two groundwater aquifers were encountered beneath the site during drilling activities. A shallow water table (perched) aquifer was encountered from near the ground surface to the base of the Upper Sand unit. A deeper aquifer was encountered beneath the base of the Upper Silt unit in the Lower Sand unit.

No aquifer testing was conducted as part of the assessment activities.

1 INTRODUCTION

This report describes the findings of preliminary site assessment activities performed on the Weyerhaeuser East Site located in Everett, Washington. The site and surrounding areas are shown on Figure 1-1. The assessment is being conducted as an independent voluntary action on behalf of The Weyerhaeuser Company. EMCON performed preliminary site assessment activities from November 1992 through October 1993. The scope of work consisted of excavating 131 test pits, excavating 2 areas of impacted soil, drilling 14 soil borings, installing 14 monitoring wells, collecting soil and groundwater samples, installing and sampling 7 temporary wellpoints, laboratory analysis of soil and groundwater samples, and reviewing and reporting the findings.

1.1 Site Background

Weyerhaeuser began Everett, Washington, operations in 1902. The Weyerhaeuser East Site consists of former facilities including lumber processing, Mill B, Mill E, a planing mill, a power house, former dip tanks, lumber treatment and storage sheds, and pipe, machine, and motor storage sheds. Site background information was obtained from past assessment and characterization reports.

The following is a summary of known historical land uses near the site:

- According to an enforcement order issued to ASARCO (No. DE 92TC-N147), a lead smelter and ore refinery operated from approximately 1894 to 1912 on property near what is now the intersection of East Marine View Drive and State Route 529. The Puget Sound Reduction Company began operating the smelter to refine ore for lead, copper, gold, and silver. ASARCO bought the smelter in 1903. The lead smelter operated until 1908. An arsenic processing plant also operated at the smelter site from approximately 1898 until 1912. The smelter and processing plant were dismantled in 1914.
- Weyerhaeuser operated saw mills south of State Route 529 from 1916 to around 1980. Wood waste landfills, aeration lagoons, and log sorting operations are located northeast of the site on Smith Island.

- Burlington Northern Railroad (BNRR) currently operates and maintains a railroad switching yard and right-of-way immediately west of the Weyerhaeuser East Site.
- A residential area is located west of the BNRR switching yard, and west of Marine View Drive, at an elevation about 75 feet above the Weyerhaeuser facility.

1.2 Environmental Setting

The site consists of approximately 115 acres located on the southeastern portion of the Weyerhaeuser Everett property (Drawing 1). The site is relatively flat and is bordered on the east by the Snohomish River, on the west by the BNRR switching yard, and on the north and south by other Weyerhaeuser operable units.

The climate of the Everett area is predominantly marine temperate, with prevailing westerly winds (Newcomb, 1952). The average annual rainfall is approximately 34 inches, with maximum precipitation in the winter months and a dry period in the summer. The mean annual temperature for Everett is 51 degrees Fahrenheit (°F.).

The Snohomish River to the east of the site is tidally influenced, with salt wedge intrusion to approximately 5 miles south of the site, beyond the Interstate 5 bridge. The mean tide range of the Snohomish River at Everett is approximately 7 feet (Newcomb, 1952). The tides at Everett (with mean lower low water [MLLW] as 0 feet) range from 11.1 feet mean higher high water (MHHW), 10.2 feet mean high water (MHW), 2.8 feet mean low water (MLW), and -4.5 feet extreme low water (ELW) (NOAA, 1991).

1.3 Geology

Site-specific geologic information has been obtained from this assessment and from previous investigations. Geologic investigations included excavating and sampling test pits and drilling and sampling soil borings.

The site is located on relatively level dredge fill adjacent to the Snohomish River, approximately 2 miles upstream from the river mouth at Port Gardner in Puget Sound. The river has become channelized into a main stream with several shallow sloughs separated by marshy islands. The main stream of the river flows adjacent to the site and is approximately 750 feet wide. The site is within the low-lying floodplain of the river. The floodplain is bounded on the west and east by steeply sloped ridges and hills reaching to 500 feet above mean sea level.

The site may be accessed by a spur road and a trestle bridge over the BNRR leading from East Marine View Drive. The BNRR forms the western property boundary. Approximately 35 percent of the site is covered by vegetation consisting primarily of grasses, weeds, small shrubs, and trees. Most vegetation is found along the western portion of the site. Log and wood debris piles are scattered around the site.

The site was formerly an estuarine tide flat adjacent to the Snohomish River. In the early 1900s, it was filled by using sand dredged from the river bottom. The bank of the Snohomish River has been stabilized with a bulkhead of timber and steel sheet pilings along the length of the site. The eastern and southern areas of the site have been covered by approximately 2 to 3 feet of mixed wood and gravel grade fill.

The sediment underlying the site consists of man-made and dredge fill overlying natural estuarine and fluvial sediment. For the purposes of this report, the natural sediment has been subdivided into silt and sand units, although there is some interbedding within each unit. Each material is analyzed below.

Fill materials and native fluvial and estuarine sediment encountered during the preliminary assessment were divided into the following geologic units, listed from youngest to oldest:

- Grade Fill and Mixed Fill unit
- Upper Sand unit (dredge fill)
- Upper Silt unit (estuarine)
- Lower Sand unit (fluvial)

1.3.1 Grade Fill and Mixed Fill

Grade fill or mixed fill was encountered at the surface at most of the test pit and soil boring locations. Grade fill material apparently was placed at the site after 1974 to improve the working surface. The fill was composed of sandy gravel, asphalt, angular pebbles and cobbles of crushed rock, wood debris, and bark. The top few inches contained abundant organic and wood debris and were vegetated in many areas. The grade fill formed a very dense, although permeable, layer at the surface. The fill thickness ranged from 1 to 4 feet.

1.3.2 Upper Sand

The upper sand unit was composed of gray-brown to black, fine to medium sand with trace coarse sand. The upper sand averaged 5 to 6 feet thick and ranged from less than 1 to 10 feet thick. The sand was typically uniform in texture and composition. Thin lenses, less than 2 inches, of coarser or finer sand were encountered in most borings. Historical records indicated that sand dredged from the Snohomish River was deposited

on its estuarine tide flats from at least Mill B to the South-End Residual Wood Storage Site. Faint horizontal bedding was seen in most samples, confirming a hydraulic emplacement of the dredge fill. Dredge sands were encountered below fill units in all test pits and soil borings. The groundwater table was found in the upper sand at an average depth of 4 feet below the surface.

1.3.3 Upper Silt

The upper silt unit was encountered in all borings penetrating the base of the upper sand at the site. The silt unit was composed of stiff, low plasticity to non-plastic, gray-brown to dark brown, silt with abundant organic matter (wood fragments and rootlets) in the upper layers of the unit. Lenses of fine sand, sandy silt, and silty sand, 0.1 to 0.2 feet thick, were encountered in most borings and found at all depths in the unit.

The thickness of the upper silt unit averaged 8 feet. The thickness was estimated where borings did not fully penetrate the silt.

1.3.4 Lower Sand

The lower sand unit was encountered in the four deep monitoring well borings (MW-100D, MW-103D, MW-105D, and MW-108D) advanced below the base of the upper silt unit. The lower sand unit was composed of medium to coarse sand with trace gravel and wood debris. It appeared coarser and denser than the upper sand unit. Zones of coarse sand and fine gravel were encountered below the base of the upper silt unit. The lower sand unit was not intercepted during assessment activities.

1.4 Hydrogeology

Four hydrostratigraphic units were identified during site assessment activities. These were, in order of increasing depth, grade fill and mixed fill, upper sand, upper silt, and lower sand.

1.4.1 Grade Fill and Mixed Fill

As described in Section 1.3.1, the entire site appeared to be underlain by fill material composed primarily of sandy gravel with or without abundant wood debris. The grade fill is not considered a barrier to vertical infiltration. Some of the mixed fill had been compacted, and ponded water was observed on the surface at some locations. Following significant rainfall events, surface water was ponded over compacted gravel and silt. The grade and mixed fill units were unsaturated in most areas during the assessment, but could be part of the capillary fringe during maximum water table elevations.

1.4.2 Upper Sand Aquifer

The upper sand hydrostratigraphic unit underlaid the grade and mixed fill across the site. The unit was predominantly composed of fine to medium sand. The upper sand aquifer is unconfined.

The water table was about 4 feet below grade in most areas. A capillary fringe was estimated to extend a few inches above the water table. The water table apparently fluctuates an average of 2.5 feet between seasonal maximum and minimum elevations. The upper sand aquifer was monitored by using ten on-site monitoring wells (labeled with an "S" suffix) screened from the base of the unit to above the water table.

1.4.3 Upper Silt Aquitard

The upper silt hydrostratigraphic unit underlays the upper sand aquifer. It was composed of soft to stiff low plasticity to nonplastic silt. No monitoring wells were installed in the upper silt aquitard. Soil samples indicated that the unit impeded groundwater flow. Sand stringers within the aquitard could be, however, conduits for vertical flow. Timber pilings could also be conduits if driven through the silt. The unit is considered a leaky aquitard between the two sand aquifers.

The upper silt aquitard was fully saturated at the time of drilling. The unit is recharged by the upper sand aquifer and discharges groundwater downward to the lower sand aquifer and east into the Snohomish River.

1.4.4 Lower Sand Aquifer

The lower sand hydrostratigraphic unit has a saturated layer of medium to coarse sand with scattered lenses of fine sand, fine gravel, and silty sand.

The lower sand aquifer was monitored by four wells (wells labeled with a "D" suffix). Water elevations were influenced by tidal fluctuation of the Snohomish River. The tidal influence decreased with distance from the river.

The lower sand unit is considered to be a partially confined aquifer because it is bounded above and below by beds of distinctly lower permeability.

2 SOIL INVESTIGATION

2.1 Introduction

Test pit and soil boring locations were selected to delineate the lateral and vertical extent of known and suspected contamination. Soil sampling location rationale, including the sample collection depth and laboratory parameters associated with specific soil sample locations by area, are presented in Table 2-1.

2.2 Approach

Findings of previously completed East Site investigation activities (Hart Crowser, 1990), and EMCON's *Overall Site Assessment Report* (EMCON, 1992), were used to direct preliminary assessment activities. These activities included acquiring logistical information pertaining to former structures and past practices, soil and groundwater sampling, chemical analysis of samples to determine the extent of known and suspected soil contamination, and obtaining information related to the hydrogeology and groundwater quality at the site.

Soil data obtained from the Hart Crowser investigations were considered screening level since the laboratory methods used were appropriate at that time but do not meet current standards.

Numeric area designations have been used for previous investigations. They were established based on former structures and past manufacturing practices. To maintain continuity, EMCON has continued to use the numeric area designations where applicable. The preliminary site assessment activities were limited to Areas 3 through 10 of the Weyerhaeuser Everett East Site. The following are brief summaries of activities in Areas 3 through 10:

• Area 3 - Former Lumber Storage Area. Most of Area 3 was used primarily for lumber storage. Former structures associated with past manufacturing practices included a dip tank, oiling stations, and an aboveground diesel storage tank. Area 3 is located southeast of, and partially hydraulically downgradient from, the former American Smelting and Refining Company (ASARCO) smelter facility, a potential source of arsenic contamination.

- Area 4 Former Planer Building Area. No previous assessment has been performed on Area 4. Area 4 includes a former paint booth (where end spraying of "cherry brown" paint occurred) and the concrete foundation of the former oil room. An on-site inspection revealed the presence of two end spray locations within the former planer building.
- Area 5 Former Dry Kiln Area. The southwest portion of Area 5 is adjacent to a former dip tank site in Area 3, and the northwest portion is adjacent to the former site of "Dip Tank No. 3" in the southern portion of Area 10. A former transformer site lies at the east end of the former unstacker shed.
- Area 6 Former Sorting Sheds Area. Soil samples were collected from Area 6, to the south of the dry kiln building, as part of the trestle realignment study. A transformer was located near the southwest corner of the dry kiln building. The southwest corner of Area 6 is adjacent to the former site of Dip Tank No. 3 of Area 10. The eastern boundary of Area 6 is adjacent to the "Mill B fire" and includes the "southeast fire area."
- Area 7 Former Saw Mill Area. Area 7 includes the Mill B fire area, the former remanufacturing building, former transformer sites, and a former oiling room. Laboratory results from previous investigations of Area 7 indicated TPH and PCB contamination in soil near the former dip tank located in Area 8 and the Mill B fire area.
- Area 8 Former Treating Shed, Dip Tank, and Oil Storage Shop Area. The southern portion of the area is adjacent to the northern boundary of Area 1 (former Mill E/wood treatment site). Historic equipment and structures include a former treating shed, gasoline and diesel tanks, and a former dip tank. The location of the dip tank varies in air photos taken in different years. Staining is visible beneath the east end of the chip loading ramp in the north end of the area. Remains of large tank supports are evident within the former framing shop foundation. A former aboveground diesel storage tank was located at the south side of the oil and paint storage shop.
- Area 9 Former Power House, Pipe Shop, Machine Shop, and Motor Shop Area. Area 9 includes the Mill B fire area, motor storage building, former machine shop, fuel vault, and former transformer sites and storage. Soil samples were collected in the vicinity of the former machine shop as part of the trestle realignment study.
- Area 10 Former Cut-up Plant, Crane Sheds, and Planing Mill Area. Area 10 includes the former site of Dip Tank No. 3, a former aboveground diesel tank, and the former diesel distribution system associated with the manufacturing of Presto-logs. Previous sampling indicated PCP, PAH, and

TPH contamination north and northeast of the old beveled siding building, the former site of Dip Tank No. 3. Area 10 is located east of, and hydraulically downgradient from, the former ASARCO smelter facility.

In addition to the Phase 1 assessment activities in Areas 3 through 10, 22 additional test pits were excavated, and soil samples were collected in the southernmost portion of Area 3. This phase of work was designated as the South End Followup (SEF). Samples collected as part of the SEF activities are designated with the SEF prefix. The results of the SEF were reported to Weyerhaeuser by EMCON in a letter report entitled *Weyerhaeuser Everett East Site South End Followup Summary Report* (Attachment B of the *Operable Unit Summary Report for Weyerhaeuser Everett East Site*, EMCON, 1995). Two locations contained TPH-impacted soil. EMCON oversaw the excavation of these two locations, as well as collecting soil and groundwater samples. After TPH-D was detected in one groundwater sample collected from excavation EX-1, approximately 7,000 gallons of groundwater were pumped, treated, and discharged to the Weyerhaeuser Everett Mill treatment system. The findings of the excavation oversight, soil and groundwater sampling, and laboratory results were reported in the above-referenced report.

2.3 Soil Sampling Methods and Procedures

Soil samples were collected from 131 test pit excavations and 5 soil borings (MW-106S, MW-106D, MW-104S, MW-105D, and MW-100S) as shown on Drawing 1. The test pits were excavated by using a rubber tire or track mounted backhoe owned and operated by A.L. Sleister and Sons Construction, Inc, of Mukilteo, Washington. Soil borings were advanced by using hollow-stem auger drilling equipment owned and operated by Geoboring and Development, Inc., of Puyallup, Washington.

Soil samples were collected from the test pits and soil borings by using standard EMCON sampling methods and procedures. In general, each test pit soil sample represented a vertical composite profile of the test pit soil from the ground surface to a depth immediately above the shallow groundwater table. Soil boring soil samples were collected by using 2-inch-diameter, split-spoon, samplers. All soil samples from soil borings were collected above the water table. Exploratory test pit and soil boring logs were completed by describing subsurface soil conditions at each sampling location. The test pit and soil boring logs are attached in Appendix A.

The excavation, drilling, and sampling equipment was decontaminated by hot pressure washing between sampling events to reduce the possibility of cross-contamination. The soil samples were placed into laboratory-prepared containers, preserved in iced coolers, and delivered to the Weyerhaeuser laboratory located in Federal Way, Washington, under standard chain-of-custody procedures, for chemical analyses. Samples collected as part of the SEF and the excavation oversight were submitted to Columbia Analytical Services, Inc., located in Bothell, Washington, for analysis.

2.4 Soil Sample Designation and Laboratory Parameters

Sample designations were used to associate each sample with the sample location within a particular area. For example, sample A3-01 was collected from Test Pit Sample Location 01 in Area 3; sample A9-08 was collected from Test Pit Location 8 in Area 9, etc. In some cases, soil sample designations do not correspond to the area in which they were located. Soil samples collected from the SEF test pits in Area 3 were designated SEF. Samples collected from the excavations in Area 3 were designated by excavation and location from which the sample was collected: sample EX-1E2 was the second sample collected from the east wall of Excavation One; sample EX-2B was collected from the bottom of Excavation Two. Soil stockpile samples were designated SS. The locations of all test pits and soil borings are shown on Drawing 1 (attached).

2.5 Results of Soil Sample Analyses

Laboratory results associated with East Site soil sampling activities are provided in Appendix B. The laboratory data were validated during June and July 1994 by Hart Crowser (Hart Crowser, 1994). The data validation report is included in Appendix B.

Soil sample laboratory parameter-specific results are summarized in the following subsections and in Tables 2-2 through 2-7.

2.5.1 Petroleum Hydrocarbons

One hundred-forty-three soil samples were screened for gasoline, diesel, and heavier than oil total petroleum hydrocarbons by Ecology Method WTPH-HCID. Eighty-nine soil samples exceeded the WTPH-HCID method detection limits and were rerun using the following appropriate followup analysis: gasoline (TPH-G), diesel (TPH-D), and oil (TPH-O). In addition, six soil stockpile samples were analyzed for TPH-D and TPH-O.

The following four areas at the Weyerhaeuser East Site were identified as having TPH-impacted soil:

- Throughout Areas 7, 8, and 9 in the former manufacturing areas of Mill B. TPH-O concentrations ranged from not detected to 83,000 mg/kg in sample A7-06.
- Near former Dip Tank No. 3, including parts of Areas 5, 6, and 10. TPH concentrations ranged from 16 mg/kg in sample A10-06 to 5,900 mg/kg in sample A10-10.

- Near the former 12,000-gallon aboveground diesel tank in Area 10. TPH-D concentrations ranged from 300 mg/kg in sample A10-17 to 4,300 mg/kg in sample A10-03.
- Near the former local shed and aboveground diesel tank in the south end of Area 3. TPH-G concentrations ranged from 18 mg/kg in sample SEF-16 to 1,140 mg/kg in sample SEF-5. TPH-D concentrations ranged from 3 mg/kg in sample A3-08 to 768 mg/kg in SEF-16. TPH-O concentrations ranged from 11 mg/kg in sample A3-06 to 1,190 mg/kg in sample SEF-11. Approximately 460 cubic yards of impacted soil were excavated from the south end of Area 3 (i.e., SEF-16 and SEF-11) and disposed off site.

A summary of laboratory results for detected TPH in soil samples is presented in Table 2-2.

2.5.2 Volatile Organic Compounds

Eleven soil samples were analyzed for VOCs by EPA Method 8240. Three VOC compounds were detected in the soil samples. Acetone was detected in samples A8-06 and A8-09 at 0.019 and 0.079 mg/kg, respectively. In samples A10-03, A3-05, and A8-06, 2-Butanone was detected at 1.9 mg/kg, 1.7 mg/kg, and 0.005 mg/kg, respectively. However, 2-Butanone was also detected in the method blanks associated with samples A3-05 and A10-03. Total xylenes were detected at 0.014 mg/kg in sample A8-09. No other VOCs were detected in any of the other soil samples. A summary of laboratory results for detected VOC compounds in soil samples is presented in Table 2-3.

2.5.3 Semivolatile Organic Compounds

Forty-five soil samples were analyzed for 64 semiVOCs. This included PCP and PAHs by EPA Method 8270. Two samples were analyzed strictly for PAHs by EPA Method 8310. One or more semiVOC compounds were detected in 32 samples ranging from 0.032 mg/kg 4-methylphenol in sample A5-02 to 6,000 mg/kg phenanthrene in the product sample collected from excavation EX-2 in southern Area 3. Thirteen semiVOC compounds were detected in sample SEF-16. This sample is located near a former diesel tank. Nine semiVOC compounds were identified in sample A9-08, located near the former power house and saw mill. PCP (EPA Method 8270) was detected in six samples ranging from an estimated 0.074 mg/kg in sample A4-03 to 200 mg/kg in sample A8-09. A summary of laboratory results for detected semiVOCs is presented in Table 2-4.

2.5.4 Phenolic Compounds

Thirty-six soil samples were analyzed for four phenolic compounds by EPA Method 8040. Phenolic compounds were detected in 31 samples. The following is a summary of the phenolic compound analysis by Method 8040:

- 2,3,5,6-tetrachlorophenol was not detected in any soil sample.
- 2,3,4,6-tetrachlorophenol was detected in 24 of 36 samples, ranging in concentration from 0.002 mg/kg in sample A4-02 to 4.8 mg/kg in sample A3-03D.
- 2,3,4,5-tetrachlorophenol was detected in 4 of 36 samples, with concentrations ranging from an estimated 0.00015 mg/kg in sample A5-08B to 0.370 mg/kg in sample A3-03D.
- PCP was detected in 31 of 36 samples, ranging in concentration from 0.002 mg/kg in sample A10-17 to 200 mg/kg in sample A8-09.

These results indicated the presence of phenolic compounds in soil near former Dip Tank No. 3 in southern Area 10, near a former 10,000-gallon dip tank and treating shed in Area 8, and near a former dip tank pad in Area 3. A summary of laboratory results for detected phenolic compounds is presented in Table 2-5.

2.5.5 PCBs and Pesticides

Forty soil samples were analyzed for pesticide and PCB compounds by EPA Method 8080. Pesticide compounds were detected in 22 samples ranging from 0.00035 mg/kg alpha-chlordane in sample A9-01 to 0.35 mg/kg alpha-chlordane in sample A9-09.

Forty soil samples were analyzed for seven PCB compounds, and the results indicated the following:

- Aroclor-1221, -1232, and -1246 were not detected.
- Aroclor-1016 was detected in three samples, ranging from 0.047 mg/kg in sample A7-01A to 1.2 mg/kg in sample A7-19B.
- Aroclor-1242 was detected in sample A6-05 at 0.038 mg/kg.

- Aroclor-1254 was detected in 16 samples, ranging in concentration from 0.015 mg/kg in sample A7-17 to 22 mg/kg in sample A9-09.
- Aroclor-1260 was detected in 14 samples, ranging from 0.016 mg/kg in sample A10-09 to 87 mg/kg in sample A10-05.

These results indicated the presence of PCB compounds in soil near former transformers in southern Area 10 and former Mill B, in the Mill B Fire area, and adjacent to the former Power House. A summary of laboratory results for detected pesticide and PCB compounds is presented in Table 2-6.

2.5.6 Arsenic

Five soil samples were analyzed for total arsenic by EPA Method 7060. Arsenic concentrations ranged from 5.2 mg/kg in sample A10-08 to 20 mg/kg in sample A3-05. The arsenic laboratory results for soil are presented in Table 2-7.

2.5.7 Dioxins

A total dioxin-furan toxicity equivalency factor (TEF) of 1 ppb was not exceeded for any soil samples analyzed for dioxin-furan. Dioxin laboratory results are included in Attachment A-1 of the Operable Unit report (EMCON, 1995).

3 GROUNDWATER INVESTIGATION

3.1 Approach

Fourteen groundwater monitoring wells were installed on site during the preliminary site assessment activities. Three shallow wells and one deep well were installed along the west site boundary, and seven shallow wells and three deep wells were installed along the Snohomish River shoreline. The shallow monitoring wells are designated with an "S" suffix, and the deep monitoring wells are designated with a "D" suffix. In addition, groundwater samples were collected from seven wellpoints designated WP-R1, WP-R2, WP-R3, WP-2, WP-3, WP-4, and WP-5. Three wellpoints were temporarily installed within select soil borings, and in soil excavation EX-1. Groundwater monitoring well and wellpoint sample locations are shown on the Section 2 series drawings of the *Operable Unit Summary Report, Weyerhaeuser Everett East Site* (EMCON, 1995).

3.2 Monitoring Well Construction and Development

Groundwater monitoring wells were constructed by using 2-inch, inside-diameter (I.D.) SCH 40 PVC well materials, 0.010-inch slotted well screen, and 20-40 washed silica sand pack. A summary of monitoring well completion details is presented on Table 3-1. The exploratory soil boring logs, including monitoring well construction details, are attached as Appendix A.

An EMCON geologist developed each of the wells by using pumping and surging techniques subsequent to well completion. Purge water was stored in secured and labeled 55-gallon drums and left on site.

3.3 Groundwater Sampling Methods and Procedures

Groundwater samples were collected from the 14 monitoring wells on Januaryn 22 and 25, 1993. Groundwater samples were collected by using disposable Teflon bailers and standard EMCON sampling methods and procedures. The sampling equipment was decontaminated between sampling events to prevent cross-contamination. The groundwater samples were placed into laboratory prepared containers, preserved in iced coolers, and delivered to the Weyerhaeuser Analytical Laboratory, located in Federal Way, Washington, under standard chain-of-custody procedures for analyses. Groundwater sampling data sheets, including depth-to-water and field parameter measurements of pH, conductivity, and temperature, were completed at the time of sampling. Copies of the groundwater sampling data sheets are included in Appendix C.

At each wellpoint sampling location, a borehole was excavated either by using a hand auger or a truck-mounted hollow-stem auger at least 1 foot below the groundwater. A clean, 2-inch-diameter, machine slotted, stainless steel wellpoint was placed within each of the boreholes so that the wellpoint screen was submerged below groundwater. The annular space surrounding each wellpoint screen was filled with washed silica sand.

Wellpoint development was performed by removing at least three pore volumes of groundwater from each of the wellpoints. A peristaltic pump and a portable generator were used to accomplish this. Approximately 5 gallons of development water were removed from each wellpoint and stored on site in a sealed and labeled 55-gallon drum.

Immediately following wellpoint development, field measurements of groundwater specific conductivity, pH, and temperature were obtained.

Groundwater samples were collected from wellpoints WP-2, WP-3, WP-4, and WP-5 by using disposable PVC bailers. Wellpoints WP-R1, WP-R2, and WP-R3 were sampled by using a peristaltic pump, a portable generator, and new tygon tubing. Groundwater samples were collected by using standard EMCON sampling methods and procedures. Groundwater samples were collected in laboratory-prepared glass containers and transported in iced coolers under standard chain-of-custody procedures to the Weyerhaeuser Analytical Laboratory, located in Federal Way, Washington.

Two groundwater samples were collected from excavation EX-1. The samples were collected directly into laboratory prepared glass containers and transported in iced coolers under standard chain-of-custody procedures to the Columbia Analytical Services, Inc., laboratory in Bothell, Washington.

3.4 Groundwater Sample Designations and Laboratory Parameters

A summary of groundwater sample designations, associated laboratory parameters and methods, and sample location rationale is presented in Table 3-2. Sample designations were used to associate each sample with a particular monitoring well, wellpoint location, or excavation number.

3.5 Results of Groundwater Sample Analyses

Laboratory reports associated with the first round of East Site groundwater sampling are attached in Appendix B. Hart Crowser conducted data validation of the groundwater sample laboratory results during June and July 1994 (Hart Crowser, 1994). The data validation report is also included in Appendix B.

Groundwater sample laboratory, parameter-specific, results are summarized in the following subsections.

3.5.1 Petroleum Hydrocarbons

Groundwater samples were collected from four wellpoints and seven monitoring wells and analyzed for TPH-G by Ecology Method WTPH-G. Four wellpoint samples, 2 excavation groundwater samples, and 13 monitoring well groundwater samples were analyzed for diesel or heavier oil by Ecology Method WTPH-D. Laboratory results for TPH detected in groundwater samples are summarized in Table 3-3.

TPH-G was not detected in any of the wellpoint samples. TPH-G was detected in two monitoring well samples, at 0.33 mg/L in sample MW-107S and 0.69 mg/L in sample MW-109S.

TPH-D was detected in five groundwater samples, ranging from 1 mg/L in sample MW-104S to 26.3 mg/L in sample EX-1.

TPH-O was detected in six groundwater samples, ranging from 1 mg/L in sample MW-103D to 5.7 mg/L in sample EX-1.

Groundwater sample EX-1 was collected from an open excavation where the impacted soil had been removed. Based on the sample EX-1 laboratory results, approximately 7,500 gallons of groundwater was pumped from the excavation into a Baker tank, treated, and resampled. Following treatment, TPH constituents were not detected in the excavation groundwater.

3.5.2 Volatile Organic Compounds

Sixteen groundwater samples collected from 12 monitoring wells and 4 wellpoints were analyzed for VOCs by EPA Method 8240. Tetrachloroethene (PCE), acetone, and methylene chloride were detected. Methylene chloride was detected at estimated concentrations of 4 μ g/L in sample MW-100D and 5 μ g/L in sample MW-106S. Acetone was detected in six samples, ranging from 12 μ g/L in sample MW-106S to 26 μ g/L in sample MW-109S. PCE was detected at an estimated concentration of 2 μ g/L in sample MW-110. No other VOC compounds were detected. Laboratory results of detected VOC compounds in groundwater samples are summarized in Table 3-4.

3.5.3 Semivolatile Organic Compounds

Fourteen groundwater samples were analyzed for 64 semivolatile organic compounds (semiVOCs), including pentachlorophenol by EPA Method 8270. Twenty-two semiVOCs were detected in 13 samples. Twenty semiVOCs were detected in sample WP-R1, ranging from 1 μ g/L dimethylphthalate, dibenzofuran, and anthracene, to 71 μ g/L naphthalene. Nine compounds were detected in well MW-105S, ranging from 1 μ g/L benzo(a)anthracene and chrysene to 29 μ g/L 4-methylphenol. Five compounds were detected in wellpoint WP-2, ranging from 1 μ g/L phenol, 4-Methylphenol, and pentachlorophenol to 8 μ g/L bis(2-Ethylhexyl)phthalate (which also was detected in the laboratory method blank). Pentachlorophenol was detected in two groundwater samples. Laboratory results of detected semiVOCs in groundwater samples are summarized in Table 3-5.

3.5.4 Phenols

Five groundwater samples were analyzed for four phenolic compounds by EPA Method 8040. Pentachlorophenol was detected at 0.05 μ g/L in sample MW-103S. No other phenolic compounds were detected in the other groundwater samples. Laboratory results of detected phenolic compounds in groundwater samples are summarized in Table 3-6.

3.5.5 PCBs and Pesticides

Four groundwater samples were analyzed for PCBs and pesticides by EPA Method 8080. The pesticide Aldrin was detected at 0.011 μ g/L in sample MW-103S. Aroclor-1016 and Aroclor-1242 were detected in sample WP-2 at approximately 0.78 μ g/L and at 1.2 μ g/L, respectively. Aroclor-1254 was detected at an estimated concentration of 0.42 μ g/L in sample MW-105S, and at 1 μ g/L in sample MW-103S. Laboratory results of detected pesticide and PCB compounds in groundwater samples are summarized in Table 3-7.

3.5.6 Arsenic

Fourteen groundwater samples were analyzed for dissolved arsenic by EPA Method 7060. Dissolved arsenic was detected in 13 samples, ranging from 4 μ g/L in sample MW-103D to 4,460 μ g/L in sample MW-108D. Laboratory results of dissolved arsenic in groundwater samples are summarized in Table 3-8.

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Soil Sampling Location Rationale by Area Weyerhaeuser Everett East Site

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T acotion and Comula		Sample Denth	
Number ¹	Location Rationale	(feet)	Analytical Parameters ²
AREA 3	Former Lumber Storage Area		
A3-01	Characterize upgradient site	0.8-1.5	Total As
A3-02A	Potential contamination in vicinity of beveled siding building		
A3-02B	Potential contamination in vicinity of beveled siding building	1.5-1.9	WTPH-D, semi-VOCs, PCB, Dioxin
A3-02C	Potential contamination in vicinity of beveled siding building	0.5-1.9	WTPH-D, semi-VOCs, PCB
A3-03A	Former dip tank site	0.5-1.3	PCP
A3-03B	Former dip tank site	0.8-2.0	PCP
A3-03C	Former dip tank site	0.7-1.3	PCP
A3-03D	Former dip tank site	0.8-1.7	PCP
A3-04	Upgradient site	0.7-1.9	Total As
A3-05	Southern Area 3	1-2.9	semi-VOCs, WTPH-HCID (w/8240 follow up), Total As
A3-06	Former oiling station	0.8-1.3	WTPH-D
A3-07A	Former oiling station	0.7-2.5	WTPH-HCID
A3-07B	Former oiling station	0.5-2.1	WTPH-HCID
A3-08	Former oiling station	0.5-2.1	WTPH-D
A3-09	Adjacent to former diesel tank site	2.8-3.5	Q-HALD
A3-09b	As above		WTPH-D
A3-10d	Former oil-water separator site	0.3-2.1	WTPH-D
A3-11	Former diesel tank site	0.7-3.1	WTPH-D
A3-12	Former transformer site	0.6-1.8	PCB
A3-13	Site of former spray booth		WTPH-HCID, VOC

Table 2-1 Soil Sampling Location Rationale by Area Weyerhaeuser Everett East Site Page 2 of 7 Analytical Parameters² WTPH-HCID, semi-VOCs, PCP WTPH-HCID, VOC, PCP WTPH-HCID, VOC WTPH-HCID WTPH-HCID WTPH-HCID **NTPH-HCID** WTPH-HCID WTPH-HCID WTPH-HCID WTPH-HCID WTPH-HCID WTPH-HCID WTPH-HCID WTPH-HCID Sample Depth 1.1-2.2 1.6-2.8 1.2-3.0 0.2-2.8 1.7-3.6 1.0-2.4 1.0-2.8 l.0-2.8 0.5-2.8 0.5-1.8 0.9-2.5 1.0-3.0 .2-2.9 1.2-2.7 0.6-3.7 l.1-2.6 (.3-3.3 1.3-3.1 L.2-2.1 1.2-2.7 .2-3.2 (feet) Groundwater sample location WP-5; vicinity of former truck scale In vicinity of Test Pit A3-5 northwest corner of area Location Rationale IPH contamination at test pit location A3-09 IPH contamination at test pit location A3-09 IPH contamination at test pit location A3-09 [PH contamination at test pit location A3-09 TPH contamination at test pit location A3-09 Former Lumber Storage Area In vicinity of Test Pit A3-5 Characterize general site Northeast corner of area Upgradient site Upgradient site General site General site General site General site Location and Sample Number **AREA 3 SEF-15** SEF-13 SEF-18 SEF-10 SEF-11 SEF-17 **SEF-20** SEF-12 SEF-14 SEF-16 **SEF-19** SEF-22 SEF-2 SEF-3 SEF-4 SEF-6 SEF-7 SEF-8 SEF-9 SEF-21 SEF-5 SEF-1

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Location and Sample	11.	Sample Depth	Analytical Parameters ²
Number	Location Kauonale	(10001)	avaanteen v maan (terrer
AREA 4	Former Planer-Building Area		
A4-01	North central area 4	1.5-2.5	WTPH-HCID
A4-02	Former oiling station	1.5-3.0	WTPH-HCID (w/8240 follow up), semi-VOCs, PCP
A4-03	Southeast corner area 4, adjacent to Mill E area	1.1-2.5	WTPH-HCID (w/8240 follow up), semi-VOCs, PCP
A4-04	Suspected former paint booth	0.4-2.3	WTPH-HCID (w/8240 follow up), semi-VOCs
A4-05	Suspected former paint booth	1.4-2.8	WTPH-HCID, VOC
A4-06	Suspected machinery hydraulic/TPH contamination	1.9-3.1	WTPH-HCID, semi-VOCs, PCP
AREA 5	Former Dry Küln Area		
A5-01	Northwest corner Area 5; follow-up to dip Tank 3 area contamination	0.8-1.5	WTPH-D, semi-VOCs, PCP
A5-02	Northwest corner Area 5; follow-up to dip Tank 3 area contamination	0.8-2.5	WTPH-D, semi-VOCs, PCP
A5-03	Northwest corner Area 5; follow-up to dip Tank 3 area contamination	1.8-2.5	WTPH-D, semi-VOCs, PCP
A5-04	Northwest corner Area 5: follow-up to dip Tank 3 contamination	0.4-1.9	WTPH-HCID
A 5-05 A	South Area 5: Mill E influence	1.3-3.9	WTPH-HCID (w/8240 follow up), semi-VOCs, PCP
A 5-05R	South Area 5: Mill E influence	4.2-5.2	semi-VOCs, PCP
A 5 NG	Cuemented viling station	1.5-3.3	WTPH-HCID
	T mutime transformer site	1.4-3.5	WTPH-HCID, VOC, PCB
10-CA	Exercise Looking days	0.5-1.8	WTPH-D, PCP
A2-00D	Entropy and the second se	0.9-2.0	WTPH-D, PCP
A 00	Nontrant Corner Area 5: near former oil/naint storage building	1.4-3.5	WTPH-HCID (w/8240 follow up), semi-VOCs, PCB
AD-09	Mouthcast County interaction for a second marking area	1.5-2.3	WTPH-D, semi-VOCs, PCP
01-CA	MULLIALITY ALCON PARAMETER AND ALCONE	0.3-1.4	WTPH-D. PCP
A5-11	Lity tain bullang site	0 1 0 0	
A5-12	Cooling shed site	0.2-1.8	
A5-13	Southern third of former lumber storage shed site	2.0-2.7	WTPH-D, semi-VOCs, PCP

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Table 2-1	Soil Sampling Location Rationale by Area	Weyerhaeuser Everett East Site
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on and Sample 66 6 68 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7				
6 Rormer Sorting Sheds Area 06.4 Northern Area 6; parking Jor/Mill B free 0.5-2.0 06.8 Northern Area 5; parking Jor/Mill B free 2.0-3.5 06.8 Northern Area 5; parking Jor/Mill B free 0.5-1.5 07 Foulow-up to dip Tank 3 area 0.3-0.8 1 Former transformer site 0.3-0.8 2 Southeast Fire Area 0.4-2.4 1 Former transformer site 0.4-2.4 2 Southeast Fire Area 0.4-2.4 1 Below chip conveyor; site of former sorting shed 2.0-4.0 2 Southeast Fire Area 0.4-2.4 3 Southeast Fire Area 0.4-2.4 7 Southeast Fire Area 0.4-2.4 8 Southeast Fire Area 0.4-2.4 7 Southeast Fire Area 0.4-2.4 8 Southeast Fire Area 0.4-2.4 7 Former savmill site 0.4-2.4 9 North Area 1.7-4.3 7 Former savmill site 0.5-1.5 9 North Area 1.1-2.3 9 North Area 1.1-2.3 9 North Area Adjacent to former savmill site 9 North Area 7 former savmill site 0.5-1.5	Location and Sample Number ¹	Location Rationale	sample Depth (feet)	Analytical Parameters ²
6.4 Northern Area 6; parking lot/Mill B fire 0.5-2.0 V 0.6B Northern Area 6; parking lot/Mill B fire 0.5-2.0 V 1 Follow-up to dip Tank 3 area 0.5-1.5 V 1 Former transformer site 0.5-1.5 V 1 Former transformer site 0.5-1.5 V 2 Former transformer site 0.5-1.5 V 1 Former transformer site 0.4-2.4 V 2 Southeast Fire Area 0.4-2.4 V 1 Southeast Fire Area 0.4-2.4 V 1 Southeast Fire Area 1.7-4.3 1.7-4.3 1 Southeast Fire Area 0.4-1.5 1.3-3.3 1 Southeast Fire Area 1.7-4.3 1.7-4.3 1 Southeast Fire Area 0.6-1.5 1.3-3.3 1 Adjacent to former sawmill site 0.15 0.1.5 1 Adja	AREA 6	Former Sorting Sheds Area		
6B Northern Area 6; parking lot/Mill B fire 2.0-3.5 V 7 Follow-up to dip Tank 3 area 0.5-1.5 V 8 Follow-up to dip Tank 3 area 0.3-0.8 V 9 Former transformer site 0.3-0.8 V 8 Former transformer site 0.3-0.8 V 9 Former transformer site 0.3-0.8 V 9 Former transformer site 0.3-0.8 V 9 Southeast Fire Area" 0.4-2.4 V 9 Southeast Fire Area" 0.4-2.4 V 10 Site of former sorting shed #1 2.0-4.0 V 11 Site of former sorting shed #1 2.1-4.0 V 12 Southeast Fire Area" 2.1-3.0 2.1-3.0 13 Southeast Fire Area" 2.1-3.0 2.1-3.0 15 Southeast Fire Area" 1.7-4.3 1.7-4.3 16 North Area 7 former sovenill site 2.1-3.0 2.5-4.0 17 Former Sawmill site 0.1-1.5 1.7-4.3 17 Former Sawmill site 0.5-1.5 1.7-4.3 18 Adjacent to former sawmill site 0.1-1.5 1.7-4.3 19 North Area 7 former sawmill site 0.5-1.5 1.1-	MW-106A	Northern Area 6; parking lot/Mill B fire	0.5-2.0	WTPH-HCID, WTPH-D
Follow-up to dip Tank 3 area 0.5-1.5 V Rollow-up to dip Tank 3 area 60.3-0.8 V Former transformer site 7 Former transformer site 0.3-0.8 Rounder site 2.04.0 V V Steed former site 2.04.0 V V Steed former sorting shed #2 Steed former sorting shed #2 2.3-4.1 V Steed former sorting shed #1 1.7 Steed former sorting shed #2 1.3-3.3 1.4.0 Steed former sorting shed #1 Steed former sorting shed #2 1.3-3.3 1.7.4.3 1.7.4.3 A Adjacent to former sorting shed 2.1-3.0 1.7.4.3 1.7.4.3 1.7.4.3 A Adjacent to former sawmill site 0.1.5 1.3-3.3 1.7.4.3 1.7.4.3 B Adjacent to former sawmill site 0.1.5 1.3-2.3 0.1.5 1.3-2.3 B Adjacent to former sawmill site 0.1.5 1.3-2.3 0.1.5 1.8-2.4 B Adjacent to former sawmill site 0.1.5 1.8-2.4 0.1.5 1.8-2.4 B Adjacent to former sawmill site 0.1.5 0.1.5	MW-106B	Northern Area 6; parking lot/Mill B fire	2.0-3.5	WTPH-HCID
Pollow-up to dip Tank 3 area 0.3-0.8 V Below dip conveyor; site 0.42.4 V Southeast Fire Area" 0.42.4 V Ste of former sorting shed #1 1.14.1 V Ste of former sorting shed #1 1.174.3 1.174.3 A North Area 76000000000000000000000000000000000000	A6-01	Follow-up to dip Tank 3 area	0.5-1.5	WTPH-D, PCP, PCB
A Former transformer site 0.42.4 V Below chip conveyor; site of former sorting shed "Southeast Fire Area" 0.42.4 V "Southeast Fire Area" "Southeast Fire Area" 2.04.0 V Below chip conveyor; site of former sorting shed 2.13.0 V 2.14.0 "Stie of former sorting shed #1 1.74.3 V 2.13.0 7 Former Saw Mill Area 2.1.74.3 V 7 Former Saw Mill Area 0.4.1 2.1.74.3 7 Former Saw Mill site 0.1.5 1.7.4.3 8 Adjacent to former sawmill site 0.1.5 1.7.4.3 9 North Area 7/former sawmill site 0.1.5 1.7.4.3 9 North Area 7/former sawmill site 0.2.5.4.0 0.1.5 9 Southeast Fire Area" 1.0.2.0 0.2.5.3.0	A6-02	Follow-up to dip Tank 3 area	0.3-0.8	WTPH-D, PCB
8 Former transformer site 3.14.0 V *Southeast Fire Area" "Southeast Fire Area" 3.14.0 V *Southeast Fire Area" "Southeast Fire Area" 2.04.0 V Below chip conveyor; site of former sorting shed 2.13.0 V 2.14.3 V Site of former sorting shed #1 Site of former sorting shed #1 2.1-3.0 V 2.1-3.0 V 7 Southeast Fire Area" "Southeast Fire Area" 2.1-3.0 V V 2.1-3.0 V 7 Former Saw Mill Area "Southeast Area 7 former sawmill site 0.1-5 1.1-4.3 V V 65D Adjacent to former sawmill; previous work verification 0.1.5 1.1-4.3 1.2-3.3 8 Adjacent to former sawmill; site 0.1.5 1.2-3.3 1.3-2.0 9 North Area 7 former sawmill; site 0.1.5 1.1-4.3 1.2-4.3 8 Adjacent to former sawmill; site 0.1.5 1.1-2.5 1.2-4.3 9 North Area 7 former sawmill; site 0.1.5 0.1.5 0.1.5 9 Adjacent to former sawmill; site 0.1.5 0.1.5	A6-03A	Former transformer site	0.4-2.4	WTPH-HCID, PCB
"Southeast Fire Area" "Southeast Fire Area" 2.04.0 V Below chip conveyor; site of former sorting shed #1 2.04.0 V Site of former sorting shed #1 2.84.1 2.84.1 Site of former sorting shed #1 2.13.0 2.84.1 Site of former sorting shed #1 2.13.0 2.84.1 Ste of former sorting shed #1 2.13.0 2.84.1 Ste of former south shed #1 2.13.0 2.84.1 Southeast Fire Area" 2.84.1 2.54.0 Adjacent to former saw mill; site 0.1.5 1.74.3 Adjacent to former saw mill; previous work verification 0.1.5 1.74.3 Adjacent to former saw mill; site 0.1.5 0.1.5 1.74.3 Adjacent to former saw mill; site 0.1.5 0.1.5 0.1.5 North Area 7/former saw mill; site 0.5.1.5 0.1.5 0.1.5.1.5 North Area 7/former saw mill; site 0.5.1.5 0.1.5 0.5.1.5 North Area 7/former saw mill; site 0.5.1.5 0.1.5 0.5.1.5 Suppected former tausformer site 0.1.5 2.5.3.0 2.5.3.0 Suptereacti former saw mill site 0.1.5 <t< td=""><td>A6-03B</td><td>Former transformer site</td><td>3.1-4.0</td><td>WTPH-HCID, semi-VOCs, PCP</td></t<>	A6-03B	Former transformer site	3.1-4.0	WTPH-HCID, semi-VOCs, PCP
Below chip conveyor, site of former sorting shed #1 2.84.1 Site of former sorting shed #1 2.13.0 Site of former sorting shed #1 2.13.0 Site of former sorting shed #1 2.13.0 T Former Saw Mill Area 2.13.0 A Southeast Fire Area" 2.13.0 A Southeast Area 7 former sawmill site 2.54.0 DA North Area 7 former sawmill site 0.1.5 A Adjacent to former saw mill; previous work verification 0.1.5 B North Area 7 former sawmill site 0.1.5 Adjacent to former sawmill; previous work verification 0.1.5 B North Area 7/former sawmill; site 0.1.5 Adjacent to former sawmill; site 0.1.5 1.0-2.0 B North Area 7/former sawmill; site 0.5-1.5 North Area 7/former sawmill; site 0.5-1.5 1.0-2.0 B North Area 7/former sawmill; site 0.5-1.5 B Suppected f	A6-05	"Southeast Fire Area"	2.0-4.0	WTPH-HCID, PCB, Dioxin
Site of former sorting shed #1 2.1-3.0 7 Site of former sorting shed #1 1.3-3.3 1.3-3.3 T Fortherer sorting shed #1 1.3-3.3 7 Fortherer saw Mill Area 1.1-4.3 0AA North Area 7 former sawmill site 0.1.5 0A North Area 7 former sawmill site 0.1.5 0 North Area 7 former sawmill site 0.2.1.5 0 North Area 7 former sawmill site 0.2.5.3.0 0 Supported former transformer site 0.5.1.5 0 Supported former transformer site 0.5.1.5 1 Former sawmill site 0.5.1.5 1 Former sawmill site 0.5.1.5 1 Former sawmill site 0.5.2.3.3 1 Former sawmill site 0.5.0	A6-07	Below chip conveyor; site of former sorting shed	2.8-4.1	WTPH-D
Site of former sorting shed #1 1:3-3.3 1:3-3.3 7 Formerst Fire Area" "southeast Fire Area" 1:3-3.3 7 Former Saw Mill Area "southeast Fire Area" 1:7-4.3 04A Southeast Area 7 former sawmill site 2:5-4.0 1.7-4.3 05D North Area 7 former sawmill site 0-1.5 1.7-4.3 05D Adjacent to former sawmill site 0-1.5 1.8-2.4 0 Adjacent to former sawmill site 0-1.5 1.8-2.4 0 North Area 7 former sawmill site 0-1.5 1.8-2.4 0 North Area 7 former sawmill site 0.5-1.5 1.8-2.4 0 Suspected former transformer site 0.5-1.5 1.0-2.0 0 Suspected former transformer site 0.5-1.5 1.8-2.4 0 Suppected former transformer site 0.5-1.5 1.8-2.4 1 Former sawmill site 0.5-1.5 1.8-2.4 1 Suppected former transformer site 0.5-1.5 1.8-2.3 1 Former sawmill site 0.5-1.5 1.8-2.3 1 Former sawmill site 0.5-1.5 1.8-2.3 <	A6-08	Site of former sorting shed #2	2.1-3.0	WTPH-D
7 "Southeast Fire Area" 1.74.3 V 7 Former Saw Mill Area 1.74.3 V 0AA Southeast Area 7 former sawmill site 2.54.0 V 05D North Area 7 former sawmill site 0.1.5 V 05D North Area 7 former sawmill site 0.1.5 V 0 North Area 7 former sawmill site 0.1.5 V 0 North Area 7/former sawmill site 0.1.5 V 0 North Area 7/former sawmill site 0.51.1.5 V 0 North Area 7/former sawmill site 0.51.1.5 V 0 Suspected former transformer site 0.51.1.5 V 0 Suspected former transformer site 0.51.1.5 V 0 Suspected former transformer site 0.51.1.5 V 0 Former sawmill site 0.51.1.5 V V 1 Former saw	A6-09	Site of former sorting shed #1	1.3-3.3	Q-HdLM
7 Former Saw Mill Area 2.5-4.0 1A Southeast Area 7 former sawmill site 2.5-4.0 5D North Area 7 former sawmill site 0-1.5 5D North Area 7 former sawmill site 0-1.5 5D North Area 7 former sawmill site 0-1.5 Adjacent to former sawmill site 0.5-1.5 North Area 7/former sawmill site 0.5-1.5 North Area 7/former sawmill site 0.5-1.5 Suspected former transformer site 0.5-1.5 Oily-looking lens in pit 1.0-2.0 Former sawmill site 2.8-3.5 Suspected former transformer site 3.2-3.5 Suspected former transformer site 3.2-3.5 Pormer sawmill site 1.0-2.0 Former sawmill site 2.8-3.0 Former sawmill site 3.2-3.5 Former sawmill site 3.2-3.5 Former sawmill site 3.2-3.5 Former sawmill site 3.2-4.3 Former sawnill site	A6-10	"Southeast Fire Area"	1.74.3	WTPH-HCID, PCB, Dioxin
4A Southeast Area 7 former sawmill site 2.5-4.0 7 5D North Area 7 former sawmill site 0-1.5 1 8D North Area 7 former sawmill site 0-1.5 1 8Aljacent to former saw mill; previous work verification 0.5-1.5 1 8Aljacent to former saw mill; previous work verification 0.5-1.5 1 8Aljacent to former saw mill; previous work verification 0.5-1.5 1 8Aljacent to former sawmill site 0.5-1.5 0.5-1.5 1 9Aljacent to former sawmill site 0.5-1.5 0.5-1.5 1 9Aljacent transformer site 0.5-1.5 0.5-1.5 0.5-1.5 9Aljacent transformer site 0.5-1.5 0.5-1.5 0.5-3.3 1.0-2.0 Suppected former transformer site 0.5-1.5 0.5-3.3 1.0-2.0 Southeast Fire Area" 2.8-3.2 3.4-4.3 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	AREA 7	Former Saw Mill Area		
SD North Area 7 former sawmill site 0-1.5 Adjacent to former saw mill; previous work verification 1.8-2.4 Adjacent to former saw mill; previous work verification 1.8-2.4 Adjacent to former saw mill; previous work verification 0.5-1.5 North Area 7/former sawmill site 0.5-1.5 North Area 7/former sawmill site 0.5-1.5 Suspected former transformer site 0.5-1.5 Oily-looking lens in pit 2.8-3.5 Former sawmill site 2.8-3.5 Former sawmill site 3.2-3.9 Former sawmill site 3.2-3.9 Former sawmill site 3.2-3.0 Former sawmill site 3.2-4.3 Sutheast Fire Area" 3.2-4.3 Previous work verification 1.0-2.0 Suspected TPH staining/contamination 3.0	MW-104A	Southeast Area 7 former sawmill site	2.5-4.0	WTPH-HCID, WTPH-D
Adjacent to former saw mill; previous work verification1.8-2.4Adjacent to former saw mill; previous work verification0.5-1.5North Area 7/former sawmill site0.5-1.5Suspected former transformer site0.5-1.5Suspected former transformer site2.8-3.5Oily-looking lens in pit2.8-3.5Former sawmill site2.3-3.6Former sawmill site2.3-3.6Former sawmill site2.5-3.0Former sawmill site3.2-3.9Former sawmill site3.2-3.9Former oiling room site3.2-3.9Previous work verification1.8-2.0Previous work verification1.8-2.0Suspected TPH staining/contamination3.0-5.0Fast Area 72.8-3.2	MW-105D	North Area 7 former sawmill site	0-1.5	PCB, WTPH-HCID
Adjacent to former saw mill; previous work verification0.5-1.5North Area 7/former sawmill site0.5-1.5Suspected former transformer site1.0-2.0Suspected former transformer site2.8-3.5Oily-looking lens in pit2.8-3.5Former sawmill site2.8-3.5Former sawmill site2.8-3.5Former sawmill site3.2-3.9Former sawmill site3.2-3.9Former oiling room site3.4-4.3Previous work verification1.8-3.2Previous work verification1.0-2.0Suspected TPH staining/contamination3.0-5.0Fast Area 72.8-3.2	A7-01A	Adjacent to former saw mill; previous work verification	1.8-2.4	WTPH-D, PCB
North Area 7/former sawmill site Suspected former transformer site Suspected former transformer site Oily-looking lens in pit Former sawmill site Former sawmill site	A7-01B	Adjacent to former saw mill; previous work verification	0.5-1.5	WTPH-HCID, PCB
Suspected former transformer site2.8-3.5Oily-looking lens in pit3.2-3.5Former sawmill site3.2-3.5Former sawmill site3.2-3.9Former sawmill site3.2-3.9Former oiling room site3.4-4.3Formheast Fire Area"3.4-4.3Previous work verification1.8-3.2Previous work verification1.8-2.0Suspected TPH staining/contamination3.0-5.0Fast Area 72.8-3.2	A7-02	North Area 7/former sawmill site	1.0-2.0	WTPH-HCID, semi-VOCs
Oily-looking lens in pit3.2-3.5Former sawmill site2.5-3.0Former sawmill site2.5-3.0Former sawmill site3.2-3.9Former oiling room site3.2-4.3Southeast Fire Area"1.8-3.2Previous work verification1.8-2.0Previous work verification1.0-2.0Suspected TPH staining/contamination3.0-5.0Fast Area 72.8-3.2	A7-04a	Suspected former transformer site	2.8-3.5	PCB
Former sawmill site2.5-3.0Former sawmill site3.2-3.9Former sawmill site3.2-3.9Former oiling room site3.4-4.3Southeast Fire Area"1.8-3.2Previous work verification1.8-2.0Previous work verification1.8-2.0Suspected TPH staining/contamination3.0-5.0Fast Area 72.8-3.2	A7-04b	Oily-looking lens in pit	3.2-3.5	Dioxin, PCB
Former sawmill site3.2-3.9Former oiling room site3.44.3"Southeast Fire Area"3.44.3"Southeast Fire Area"1.8-3.2Previous work verification1.8-2.0Previous work verification1.0-2.0Suspected TPH staining/contamination3.0-5.0Fast Area 72.8-3.2	A7-05a	Former sawmill site	2.5-3.0	Dioxin, semi-VOCs, PCB
Former oiling room site3.4-4.3"Southeast Fire Area"1.8-3.2"Southeast Fire Area"1.8-3.2Previous work verification1.8-2.0Previous work verification1.0-2.0Suspected TPH staining/contamination3.0-5.0Fast Area 72.8-3.2	A7-05b	Former sawmill site	3.2-3.9	Dioxin, semi-VOCs, PCB
*Southeast Fire Area" *Southeast Fire Area" Previous work verification Previous work verification Suspected TPH staining/contamination 3.0-5.0 Fast Area 7 2.8-3.2	A7-06	Former oiling room site	3.4-4.3	WTPH-HCID
Previous work verification1.8-2.0Previous work verification1.0-2.0Suspected TPH staining/contamination3.0-5.0Fast Area 72.8-3.2	A7-07	"Southeast Fire Area"	1.8-3.2	WTPH-D, semi-VOCs Dioxin, PCB
Previous work verification Suspected TPH staining/contamination Fast Area 7 2.8-3.2	A7-08	Previous work verification	1.8-2.0	WTPH-HCID
Suspected TPH staining/contamination 3.0-5.0 East Area 7 2.8-3.2	A7-09	Previous work verification	1.0-2.0	Q-HdTW
East Area 7 2.8-3.2	A7-11	Suspected TPH staining/contamination	3.0-5.0	WTPH-HCID
	A7-12	East Area 7	2.8-3.2	WTPH-HCID

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1 10 C 0 Se I	6 • •	Analytical Parameters	WTPH-HCID, PCB, Dioxin	WTPH-HCID, PCB	WTPH-D, PCB	WTPH-HCID, PCB	WTPH-HCID, dioxin, semi-VOCs, PCB	WTPH-HCID, dioxin, semi-VOCs, PCB	WTPH-HCID, dioxin		VOC, PCP, WTPH-HCID	WTPH-HCID (w/8240 follow up), semi-VOCs	WTPH-HCID, PCP	WTPH-HCID, PCP	WTPH-HCID, semi-VOCs, PCP, PCB	WTPH-HCID (w/8240 follow up if appropriate)	WTPH-D, semi-VOCs, VOC	WTPH-D, VOC	Q-HdTW	WTPH-HCID, VOC	WTPH-HCID (w/8240 follow up if appropriate), semi-	vocs, PcP	WTPH-HCID (w/8240 follow up), semi-VOCs, PCP	WTPH-HCID (w/8240 follow up), PCP	WTPH-HCID (w/8240 follow up), semi-VOCs	WTPH-HCID (w/8240 follow up), semi-VOCs, PCP
	Sample Depth	(feet)	1.1-2.3	0.5-1.4	1.0-2.0	2.0-3.8	2.9-3.4	4.4-4.8	3.1-4.7		1.0-2.5	2.4-4.1	3.6-4.6	2.0-3.5	1.04.0	0.4-3.3	0.5-1.7	1.4-2.3	1.0-4.0	0.4-1.2	1.2-3.5		1.0-1.9	2.2-3.2	2.4-4.8	1.1-3.8
		Location Rationale	Area 7 (cont) West Area 7/former remanufacturing site	Follow-up of previous results	Southeast Area 7/former sawmill site	Southern Area 7/former remanufacturing site	Former saw mill site	Former saw mill site	Former resaw building site	Former Treating Shed, Dip Tank, and Oil Shop Area	Southeast Area 8	Suspected former dip tank site/northern Area 8	Suspected former dip tank site/northern Area 8	Suspected former dip tank site/northern Area 8	Suspected hydraulic contamination from chip dumper	Northwestern Area 8	Suspected oil/paint/TPH contamination	Suspected former diesel/fuel tank site	Suspected former diesel/fuel tank site	Suspected oil/hydraulic/gasoline contamination	Former wood treatment site		Suspected former oil/fuel/penta tank site	As above	South Area 8	As above
	Location and Sample	Number ¹	A7-13 Area 7 (cont	A7-14	A7-16	A7-17	A7-19a	A7-19b	A7-20	AREA 8	A8-1S-A	A8-01	A8-02A	A8-02B	A8-03	A8-04	A8-05	A8-06	A8-07	A8-08	A8-09		A8-10a	A8-10b	A8-12	A8-13

 Table 2-1

 Soil Sampling Location Rationale by Area

 Weyerhaeuser Everett East Site

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Table 2-1 Soil Sampling Location Rationale by Area Weverhaeuser Everett East Site	
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Location and Sample Number ¹	Location Rationale	Sample Depth (feet)	Analytical Parameters ²
AREA 9	Former Power House, Pipe Shop, Machine Shop, and Motor Shop Area		
A9-01	"SE Fire Area"	2.0-4.1	WTPH-HCID, PCB, Dioxin
A9-05	Former power house ruins	4.1-5.0	WTPH-HCID, PCB
A906	Southwest Area 9	1.2-2.8	WTPH-HCID (w/8240 follow up if appropriate)
A9-07	West side, former machine shop; former transformer site	0.8-2.3	WTPH-HCID, PCB
A9-08	Former sawmill site	3.0-5.7	WTPH-HCID, Dioxin, semi-VOCs
60-6V	Former power house site	0.7-1.9	WTPH-HCID, PCB
A9-10	Former transformer site	0.5-1.5	Dioxin, semi-VOCs, PCB
A9-11	East side, former machine shop	1.6-4.9	WTPH-HCID, PCB
A9-12	Former transformer site	0.6-2.8	WTPH-HCID, PCB
A9-13	Suspected TPH contamination	1.1-3.2	WTPH-HCID
A9-14	Suspected TPH contamination	0.8-2.6	WTPH-HCID, PCB
A9-15	Long time transformer site	1.8-2.9	WTPH-HCID, PCB
A9-16A	North Area 9 characterization	1.0-2.0	Dioxin
A9-16B	North Area 9 characterization	2.0-3.0	WTPH-HCID, PCB
AREA 10	Former Cut-up Plant, Crane Sheds, and Planing Mill Area		
A10-01a	Suspected TPH contamination; former oiling station	0.5-2.0	WTPH-HCID
A10-02a	Suspected oil/hydraulic contamination	0.5-2.1	WTPH-HCID
A10-02b	Suspected oil/hydraulic contamination	2.1-3.5	WTPH-HCID
A10-03	Former diesel tank site	0.7-1.5	WTPH-HCID
A10-04	Former diesel tank site	1.6-2.0	Q-HJLM
A10-05	Suspected former transformer site; general characterization	0.7-1.3	WTPH-D, semi-VOCs, PCB, Total As
A10-06	Suspected former penta dip tank site; follow-up/verify previous work	0.7-1.3	WTPH-D, PCP, PCB
A10-07	Suspected TPH contamination; verify previous work	0.7-1.9	Q-HdTW
A10-08	Suspected TPH contamination; verify previous work	1.0-2.0	WTPH-D, Total As
A10-09	Suspected former penta dip tank site; follow-up/verify previous work	1.2-1.8	WTPH-D, PCP, PCB
A10-10	Suspected former penta dip tank site; follow-up/verify previous work	0.8-2.0	WTPH-D, PCP

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Location and Sample	d Sample		Sample Depth		
Number ¹	ber ¹	Location Rationale	(feet)	Analytical Parameters ²	
A10-11 Area	a 10 (cont)	A10-11 Area 10 (cont) Suspected former penta dip tank site; follow-up/verify previous work	1.3-1.8	WTPH-D, PCP, PCB	T
A10-12		Suspected former penta dip tank site; follow-up/verify previous work	0.8-1.2	WTPH-D, PCP, PCB	
A10-13		Suspected TPH contamination; verify previous work	0.5-2.3	WTPH-D, PCP	
A10-14		Suspected TPH contamination; verify previous work	1.0-1.8	WTPH-D, PCP	
A10-15a		Suspected TPH contamination	0.0-2.0	WTPH-HCID	
A10-16a		Follow up TPH contamination to the west	0.5-1.3	WTPH-HCID	
A10-17		A10-3 TPH contamination follow up trestle footing area	12.5	WTPH-HCID, semi-VOCs, PCP	
A10-18		A10-3 TPH contamination follow up trestle footing area	1.1-3.2	WTPH-HCID, semi-VOCs, PCP	
NOTE: "A" Lab	* designates te poratory Metho	"A" designates test pit and "MW" designates monitoring well boring sample. Laboratory Methods: WTPH-HCID (Ecology), WTPH-G (Ecology), WTPH-D (Ecology), VOC (EPA 8240), se	ii-VOCs (EPA 8270), PCI	(Ecology), VOC (EPA \$240), semi-VOCs (EPA \$270), PCB (EPA \$080), PCP (EPA \$040), Total As (EPA \$46).	<u> </u>
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Table 2-1Soil Sampling Location Rationale by AreaWeyerhaeuser Everett East Site

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Table 2-2 Detected Petroleum Hydrocarbons Test Pit Soll Results Weyerhaeuser Everett East Site

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Sample	Date	WTPH-G	1	WTPH-HCID* (mg/kg)	
Identification	Collected	(mg/kg)	Gasoline	Diesel	Heavier
AREA 3				-	
A3-02A	09-Dec-92			7	40
A3-02B	09-Dec-92			1	15
A3-02C	09-Dec-92			6	51
A3-05	09-Dec-92			340	3 U
A3-06	09-Dec-92			3 U	11
A3-08	09-Dec-92			3	16
A3-09	09-Dec-92			19	210
A3-09B	09-Dec-92			500	0
A3-10D	09-Dec-92			3	34
A3-11	11-Dec-92			3 U	24
SEF-5	24-Jan-93	1140	20 E	56	150
SEF-6	24-Jan-93		20 U	30	100 E
SEF-7	24-Jan-93		20 U	165	450
SEF-11	24-Jan-93	21	20 E	543	1090
SEF-16	24-Jan-93	18	20 E	768	490
SEF-19	24-Jan-93		20 U	50 E	100 U
SEF-20	24-Jan-93		20 U	50 U	100 E
SEF-21	24-Jan-93		20 U	34	100 U
EX-IN	29-Jun-93		20 U	115	100 U
EX-1E	29-Jun-93		20 U	603	400
EX-1E2	06-Jul-93		20 U	53	220
EX-2N	29-Jun-93		20 U	43	180
EX-2B	29-Jun-93		20 U	198	360
SS-1	23-Jul-93			5020	1310
SS-2	23-Jul-93			1290	580
SS-3	23-Jul-93			730	2660
SS-4	23-Jul-93			143	670
SS-5	23-Jul-93			176	160
SS-6	23-Jul-93			1910	230
AREA 4					
A4-04	21-Jan-92		20 U	31	250
AREA 5		1			
A5-01	14-Dec-92			3 U	96
A5-02	14-Dec-92			130	1400
A5-03	16-Dec-92			43	33
A5-04	21-Jan-93		20 U	26	260
A5-08A	11-Dec-92			8	150
A5-08B	11-Dec-92			8	55

Detected Petroleum Hydrocarbons Test Pit Soil Results Weyerhaeuser Everett East Site

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Sample	Date	WTPH-G	۱ ۱	WTPH-HCID* (mg/kg)	
Identification	Collected	(mg/kg)	Gasoline	Diesel	Heavier
A5-11	14-Dec-92			120	370
A5-12	14-Dec-92			3 U	15
AREA 6					
A6-01	14-Dec-92			69	410
A6-02	14-Dec-92			15	100
A6-03A	20-Jan-93		20 U	39	170
A6-03B	20-Jan-93			790	770 .
A6-05	21-Jan-93		20 U	55	340
A6-07	15-Dec-92			3 U	15
A6-08	15-Dec-92			3 U	54
A6-09	16-Dec-92			17	60
A6-10	21-Jan-93		20 U	110	730
AREA 7					
A7-01A	17-Dec-92			19 U	230
A7-06	16-Dec-92		20 U	420 U	83000
A7-07	15-Dec-92			3 U	140
A7-08	17-Dec-92			431	620
A7-09	17-Dec-92			19 U	600
A7-14	17-Dec-92		20 U	50	176
A7-16	17-Dec-92			19 U	1400
A7-17	15-Dec-92		20 U	2 U	89
A7-19A	16-Dec-92		20 U	363	1174
A7-20	15-Dec-92		20 U	50 E	100 E
AREA 8					
A8-01	15-Dec-92		20 U	50 E	100 E
A8-02A	15-Dec-92		20 U	21 U	3900
A8-02B	15-Dec-92		20 U	38	60
A8-03	20-Jan-93		20 U	770	3300
A8-05	16-Dec-92			19 U	58
A8-06	14-Dec-92			190	3400
A8-07	11-Dec-92			43	510
A8-08	14-Dec-92		20 U	16	200
A8-09	20-Jan-93		20 E	29000	47000
A8-10A	15-Dec-92		20 U	20 U	2300
AREA 9					
A9-01	21-Jan-93		20 U	77	270
A9-05	20-Jan-93		20 E	950	3600
A9-06	20-Jan-93		20 U	23	240
A9-07	20-Jan-93		20 U	39	260

Detected Petroleum Hydrocarbons Test Pit Soil Results Weyerhaeuser Everett East Site

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Sample	Date	WTPH-G	1	WTPH-HCID* (mg/kg)	
Identification	Collected	(mg/kg)	Gasoline	Diesel	Heavier
AREA 9		İ			
A9-08	17-Dec-92		20 U	2886	2948
A9-11	20-Jan-93	0.72	20 E	6900	24000
A9-12	20-Jan-93		20 U	52	410
A9-13	20-Jan-93		20 U	58	550
A9-14	20-Jan-93		20 U	19	140
Area 10					
A10-02A	28-Dec-92		20 U	350	20 U
A10-03	10-Dec-92			4300	2300
A10-04	10-Dec-92			870	1700
A10-05	10-Dec-92			230	1000
A10-06	10-Dec-92			16	100
A10-07	10-Dec-92			2400	16400
A10-08	10-Dec-92			140	1100
A10-09	11-Dec-92			310	1300
A10-10	10-Dec-92			1900	5900
A10-11	11-Dcc-92			58	220
A10-12	11-Dec-92			21	250
A10-13	09-Dec-92			19	110
A10-14	10-Dec-92			33	240
A10-15A	28-Dec-92		20 U	220	830
A10-16A	29-Dec-92		20 U	50 E	100 U
A10-17	20-Jan-93		20 U	300	310
MW-104A	23-Dec-92		20 U	151	239
MW-105D	28-Dec-92		20 U	33	250
MW-106A	28-Dec-92		20 U	58	390
Note: * - If the WTPH-HCID	detection limit was exc od reporting limit show	-	rerun for the appropria	ite analysis	, , , , , , , <u>, , , , , , , , , , , , </u>

U - Undetected at method reporting limit shown.

B - Concentration exceeds calibration range of the instrument.

Table 2-3 Detected Volatile Organic Compounds Test Pit Soil Results Weyerhaeuser Everett East Site

Sample	Date	Acetone	2-Butanone	Total Xylenes
Identification	Collected	(mg/kg)	(mg/kg)	(mg/kg)
AREA 3				
A3-05	09-Dec-92	1.5 U	1.7 B	1.5 U
AREA 8				
A8-06	14-Dec-92	0.019	0.005 J	0.011 U
A8-09	20-Jan-93	0.079	0.05 U	0.014 J
AREA 10				
A10-03	10-Dec-92	1.4 U	1.9 B	1.4 U
Notes: U - Undetected at metho	od reporting limit show	/n.		
J - Estimated value less B - Analyte detected in	•	imit.		

Detected Semivolatile Organics Test Pit Soil Results Weyerhaeuser Everett East Site

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		4-Methyl-	1,2,4-Trichloro-	Naphthalene	2-Methyl
Sample	Date	phenol	benzene		naphthalene
Identification	Collected	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AREA 3					
A3-02A	09-Dec-92	0.33 U	0.33 U	0.33 U	0.33 U
A3-02B	09-Dec-92	0.32 U	0.32 U	0.32 U	0.32 U
A3-02C	09-Dec-92	0.32 U	0.32 U	0.32 U	0.32 U
A3-05	09-Dec-92	0.32 U	0.32 U	0.32 U	0.038 J
SEF-16	24-Jan-93	N/A	N/A	N/A	N/A
EX-2	11-Aug-93	N/A	N/A	7 Ua	N/A
Product	11-Aug-93	N/A	N/A	2000 Ua	· N/A
AREA 4					
A4-02	21-Jan-92	0.39 U	0.39 U	0.16 J	0.39 U
A4-03	20-Jan-93	0.35 U	0.35 U	0.35 U	0.35 U
A4-06	21-Jan-92	0.36 U	0.36 U	0.36 U	0.36 U
AREA 5		•			
A5-01	14-Dec-92	0.42 U	0.42 U	0.42 U	0.42 U
A5-01(rerun)	14-Dec-92	0.31 U	0.31 U	0.31 U	0.31 U
A5-02	14-Dec-92	0.032 J	0.32 U	0.71	0.11 J
A5-03	16-Dec-92	0.48 U	0.48 U	0.48 U	0.48 U
A5-05A	21-Jan-93	0.35 U	0.35 U	0.35 U	0.35 U
A5-05B	21-Jan-93	0.48 U	0.48 U	8.3 E	0.35 J
A5-05B(rerun)	21-Jan-93	1.2 U	1.2 U	1.2 U	0.18 DJ
AREA 6					
A6-03B	20-Jan-93	0.39 U	0.39 U	0.39 U	0.25 J
AREA 7					
A7-02	17-Dec-92	0.33 U	0.33 U	0.33 U	0.33 U
A7-05A	16-Dec-92	0.38 U	0.38 U	0.38 U	0.38 U
A7-07	15-Dec-92	0.36 U	0.36 U	0.082 J	0.36 U
A7-19A	16-Dec-92	1.2 U	0.4 J	5.6	0.95 J
AREA 8					
A8-1S-A	21-Dec-92	350 U	350 U	350 U	350 U
A8-01	15-Dec-92	0.38 U	0.38 U	0.32 J	0.089 J
A8-03	20-Jan-93	0.34 U	0.34 U	0.041 J	0.34 U
A8-05	16-Dec-92	0.36 U	0.36 U	0.36 U	0.36 U
A8-09	20-Jan-93	36 U	36 U	36 U	36 U
A8-10A	15-Dec-92	1.6 U	1.6 U	1.6 U	1.6 U
A8-13	21-Jan-93	0.35 U	0.35 U	0.35 U	0.35 U
AREA 9					
A9-08	17-Dec-92	21 U	21 U	21 U	21 U
A9-10	17-Dec-92	0.35 U	0.35 U	0.35 U	0.35 U
AREA 10					
A10-05	10-Dec-92	330 U	330 U	330 U	330 U
A10-17	20-Jan-93	0.4 U	0.4 U	0.4 U	0.4 U
A10-18	20-Jan-93	0.39 U	0.39 U	0.39 U	0.39 U
See Page 7 for No	ote.			L	1

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Detected Semivolatile Organics Test Pit Soil Results Weyerhaeuser Everett East Site

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		Acenaph-	Acenaph-	Dibenzo-	Fluorene
Sample	Date	thylene	thene	furan	
Identification	Collected	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	Concetar	(119/18)	(8/8/		
AREA 3	09-Dec-92	0.33 U	0.33 U	0.33 U	0.33 U
A3-02A A3-02B	09-Dec-92 09-Dec-92	0.33 U 0.32 U	0.35 U	0.32 U	0.32 U
A3-02B A3-02C	09-Dec-92	0.32 U	0.32 U	0.32 U	0.32 U
A3-02C A3-05	09-Dec-92	0.32 U	0.32 U	0.32 U	0.32 U
SEF-16	24-Jan-93	3.1 b	3.9 b	N/A	19.4 b
EX-2	11-Aug-93	14 Ua	7 Ua	N/A	3 D
Product	11-Aug-93	1000 Ua	2500 Ua	N/A	920 D
AREA 4	11-Aug-23	1000 04			
A4-02	21-Jan-92	0.39 U	0.39 U	0.39 U	0.39 U
A4-02 A4-03	20-Jan-93	0.35 U	0.35 U	0.35 U	0.35 U
A4-05 A4-06	20-Jan-93 21-Jan-92	0.36 U	0.36 U	0.36 U	0.36 U
AREA 5		0,000			
A5-01	14-Dec-92	0.42 U	0.42 U	0.42 U	0.42 U
A5-01(rerun)	14-Dec-92	0.31 U	0.31 U	0.31 U	0.31 U
A5-02	14-Dec-92	0.15 J	0.04 J	0.061 J	0.32 U
A5-02 A5-03	16-Dec-92	0.48 U	0.48 U	0.48 U	0.48 U
A5-05A	21-Jan-93	0.35 U	0.35 U	0.35 U	0.35 U
A5-05B	21-Jan-93	0.48 U	0.45 J	0.48 U	0.48 U
A5-05B(rerun)	21-Jan-93	1.2 U	0.23 DJ	1.2 U	1.2 U
AREA 6					
A6-03B	20-Jan-93	0.39 U	0.086 J	0.39 U	0.24 J
AREA 7					
A7-02	17-Dec-92	0.33 U	0.33 U	0.33 U	0.33 U
A7-05A	16-Dec-92	0.38 U	0.38 U	0.38 U	0.38 U
A7-07	15-Dec-92	0.36 U	0.36 U	0.36 U	0.36 U
A7-19A	16-Dec-92	1.2 U	0.52 J	0.24 J	0.22 J
AREA 8					
A8-1S-A	21-Dec-92	350 U	350 U	350 U	· 350 U
A8-01	15-Dec-92	0.38 U	0.041 J	0.048 J	0.38 U
A8-03	20-Jan-93	0.34 U	0.34 U	0.34 U	0.34 U
A8-05	16-Dec-92	0.36 U	0.36 U	0.36 U	0.36 U
A8-09	20-Jan-93	36 U	36 U	36 U	36 U
A8-10A	15-Dec-92	1.6 U	1.6 U	1.6 U	1.6 U
A8-13	21-Jan-93	0.35 U	0.35 U	0.35 U	0.35 U
AREA 9					
A9-08	17-Dec-92	21 U	21 U	21 U	21 U
A9-10	17-Dec-92	0.35 U	0.35 U	0.35 U	0.35 U
AREA 10					
A10-05	10-Dec-92	330 U	330 U	330 U	330 U
A10-17	20-Jan-93	0.4 U	0.4 U	0.4 U	0.4 U
A10-18	20-Jan-93	0.39 U	0.39 U	0.39 U	0.39 U
	20-Jan-93			1	

Detected Semivolatile Organics Test Pit Soil Results Weyerhaeuser Everett East Site

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		4-Nitro-	Pentachloro-	Phen-	Anthracene
Sample	Date	aniline	phenol	anthrene	
Identification	Collected	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AREA 3		(8	(86)	(88)	
A3-02A	09-Dec-92	0.79 U	0.79 U	0.14 J	0.33 U
A3-02A A3-02B	09-Dec-92	0.79 U 0.78 U	0.79 U	0.24 J	0.046 J
A3-02D	09-Dec-92	0.79 U	0.79 U	0.089 J	0.32 U
A3-02C	09-Dec-92	0.79 U	1.8 U	0.32 U	0.32 U
SEF-16	24-Jan-93	N/A	20 Ua	128 c	14 b
EX-2	11-Aug-93	N/A	N/A	18 D	1 D
Product	11-Aug-93	N/A	N/A	6000 D	590 D
AREA 4	11-Aug-95	11/11	1,778	0000 2	
A4-02	21-Jan-92	0.94 U	0.94 U	0.08 J	0.39 U
A4-02 A4-03	20-Jan-92	0.94 U	0.074 J	0.35 U	0.35 U
A4-05 A4-06	20-Jan-93 21-Jan-92	0.83 U 0.87 U	0.074 J 0.076 J	0.049 J	0.36 U
AREA 5	21-jai1-72	0.07 0	V.070 V		0,000
A5-01	14-Dec-92	1 U	1 U	0.061 J	0.42 U
A5-01 (rerun)	14-Dec-92 14-Dec-92	0.76 U	0,76 U	0.31 U	0.31 U
A5-02	14-Dec-92 14-Dec-92	0.78 U	0.41 J	0.41	0.32 U
A5-02 A5-03	14-Dec-92 16-Dec-92	1.2 U	1.2 U	0.16 J	0.48 U
A5-05 A5-05A	21-Jan-93	0.85 U	0.85 U	0.35 U	0.35 U
A5-05B	21-Jan-93 21-Jan-93	1.2 U	1.2 U	0.48 U	0.48 U
		1.2 U 2.9 U	1.2 U 2.9 U	1.2 U	1.2 U
A5-05B(rerun) AREA 6	21-Jan-93	2.9 0	2.9 0	1,2 0	1.2 0
AG-03B	20-Jan-93	0.96 U	0.96 U	0.39 J	0.39 U
AREA 7	20 - Jaii-93	0.90 0	0.90 0	0,57 5	0.55 0
A7-02	17-Dec-92	0.8 U	0.8 U	0.33 U	0.33 U
A7-02 A7-05A	17-Dec-92 16-Dec-92	0.8 U 0.92 U	0.92 U	0.38 U	0.38 U
A7-03A A7-07	10-Dec-92 15-Dec-92	0.92 U 0.86 U	0.92 U 0.27 J	0.36 U	0.36 U
A7-19A	15-Dec-92 16-Dec-92	0.80 U 3 U	0.27 J 3 U	0.90 U	0.17 J
AREA 8	10-Dec-92	50	50	0.71 5	0.17 5
AREA 0 A8-1S-A	21-Dec-92	840 U	110 J	77 J	350 U
		0.93 U	0,93 U	0.34 J	0.043 J
A8-01	15-Dec-92	0.93 U	0.93 U 0.83 U	0.34 J 0.09 J	0.34 U
A8-03	20-Jan-93	0.85 U 0.87 U	0.83 U 0.87 U	0.039 J	0.34 U
A8-05	16-Dec-92 20-Jan-93	0.87 U 87	200	36 U	36 U
A8-09		87 4 U	200 4 U	1.6 U	1.6 U
A8-10A	15-Dec-92	. –	4 U 0.84 U	0.35 U	0.35 U
A8-13	21-Jan-93	0.84 U	0.04 U	0,55 0	0.55 0
AREA 9	17 0 02	52 U	52 U	4.7 J	21 U
A9-08	17-Dec-92			0.35 U	0.35 U
A9-10	17-Dec-92	0.84 U	0.84 U	0.55 0	0.55 0
AREA 10	10 5 00	MOD TI	200 TT	220 11	330 U
A10-05	10-Dec-92	790 U	790 U	330 U	
A10-17	20-Jan-93 20-Jan-93	0.96 U 0.94 U	0.96 U 0.94 U	0.045 J 0.39 U	0.4 U 0.39 U
A10-18					

Table 2-4 `

Detected Semivolatile Organics Test Pit Soil Results Weyerhaeuser Everett East Site

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		Carbazole	Fluor-	Pyrene	Benzo(a)-
Sample	Date		anthene		anthracene
Identification	Collected	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AREA 3	Concelea	(((8)	(***8**8)
AREA 5 A3-02A	09-Dec-92	0.33 U	0.2 J	0.23 J	0.054 J
	09-Dec-92 09-Dec-92	0.042 J	0.18 J	0.25 J 0.16 J	0.076 J
A3-02B	09-Dec-92 09-Dec-92	0.042 J 0.32 U	0.18 J 0.1 J	0.10 J 0.11 J	0.033 J
A3-02C A3-05	09-Dec-92	0.32 U 0.32 U	0.1 J 0.32 U	0.32 U	0.32 U
		0.32 U N/A	0,32 C 102 c	0.32 О 77 с	21.7 b
SEF-16	24-Jan-93	N/A N/A	7.8 D	8.6 D	0.88 D
EX-2	11-Aug-93	N/A N/A	5000 D	4000 D	1000 D
Product	11-Aug-93	IN/A	2000 D	4000 D	1000 D
AREA 4	21-Jan-92	0.39 U	0.079 J	0.13 J	0.39 U
A4-02		0.39 U 0.35 U	0.35 U	0.35 U	0.35 U
A4-03	20-Jan-93	0.35 U 0.36 U	0.35 U 0.36 U	0.35 U 0.36 U	0.35 U 0.36 U
A4-06	21-Jan-92	0.30 0	0.30 U	0.50 0	0.50 0
AREA 5	14 D = 02	0.42 U	0.054 J	0.097 J	0.42 U
A5-01	14-Dec-92			0.097 J 0.31 U	0.42 U 0.31 U
A5-01(rerun)	14-Dec-92	0.31 U	0.31 U		0.31 U
A5-02	14-Dec-92	0.32 U	0.24 J	0.54	0.092 J
A5-03	16-Dec-92	0.48 U	0.23 J	0.35 J	0.092 J 0.35 U
A5-05A	21-Jan-93	0.35 U	0.35 U	0.35 U	
A5-05B	21-Jan-93	0.48 U	0.48 U	0.48 U	
A5-05B(rerun)	21-Jan-93	1.2 U	1.2 U	1.2 U	1.2 U
AREA 6		0.00 TI	0.00 11	0.20 11	0.39 U
A6-03B	20-Jan-93	0.39 U	0.39 U	0.39 U	0.39 0
AREA 7	10 0 00	0.00 77	0.22 11	0.22 11	0.33 U
A7-02	17-Dec-92	0.33 U	0.33 U	0.33 U	r ·
A7-05A	16-Dec-92	0.38 U	0.042 J	0.07 J	0.38 U
A7-07	15-Dec-92	0.36 U	0.3 J	0.52 J	0.13 J
A7-19A	16-Dec-92	0.39 J	1.3	1.1 J	0.3 J
AREA 8			400 T		050 XI
A8-1S-A	21-Dec-92	350 U	120 J	86 J	350 U
A8-01	15-Dec-92	0.38 U	0.31 J	0.63	0.13 J
A8-03	20-Jan-93	0.34 U	0.34 U	0.34 U	0.34 U
A8-05	16-Dec-92	0.36 U	0.055 J	0.075 J	0.36 U
A8-09	20-Jan-93	36 U	36 U	36 U	36 U
A8-10A	15-Dec-92	1.6 U	1.6 U	0.24 J	1.6 U
A8-13	21 - Jan-93	0.35 U	0.35 U	0.35 U	0.35 U
AREA 9					
A9-08	17 <u>-</u> Dec-92	21 U	7.1 J	6.2 J	2.7 J
A9-10	17-Dec-92	0.35 U	0.089 J	0.14 J	0.039 J
AREA 10					
A10-05	10-Dec-92	330 U	330 U	38 J	330 U
A10-17	20-Jan-93	0.4 U	0.046 J	0.07 J	0.4 U
A10-18	20-Jan-93	0.39 U	0.043 J	0.044 J	0.39 U
See Page 7 for N	ote.				

Detected Semivolatile Organics Test Pit Soil Results Weyerhaeuser Everett East Site

		weyeniad	euser Everett Ea		Page 5 of 7
		Chrysene	bis(2-Ethyl-	Benzo(b)fluor-	Benzo(k)fluor-
Sample	Date		hexyl)-phthalate	anthene	anthene
Identification	Collected	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AREA 3	Concetta	(IIIg/Kg)	(111/2/11/2)	(1116/116)	(116/18/
AXEA 3 A3-02A	09-Dec-92	0.076 J	0.33 U	0.095 J	0.33 U
A3-02A A3-02B	09-Dec-92 09-Dec-92	0.085 J	0.036 BJ	0.099 J 0.069 J	0.33 U 0.32 U
A3-02B A3-02C	09-Dec-92	0.085 J 0.044 J	0.030 BJ	0.009 J 0.044 J	0.32 U
A3-02C A3-05	09-Dec-92 09-Dec-92	0.32 U	0.037 BJ	0.32 U	0.32 U
SEF-16	24-Jan-93	17.4 b	0.032 J N/A	35.1 b,d	35.1 b,d
EX-2	11-Aug-93	1.4 D	N/A	1.4 Ua	0.7 Ua
Product	11-Aug-93	1300 D	N/A N/A	1000 D	480 D
AREA 4	11-Aug-95	1500 D	IV/A	1000 D	400 D
A4-02	21-Jan-92	0.39 U	0.39 U	0.39 U	0.39 U
A4-02 A4-03	21-Jan-92 20-Jan-93	0.35 U	0.092 J	0.35 U	0.35 U
A4-03 A4-06	20-Jan-93 21-Jan-92	0.35 U 0.36 U	0.092 J 0.36 U	0.35 U 0.36 U	0.35 U 0.36 U
	21-Jan-92	0.30 0	0.50 0	0.50 0	0.50 0
AREA 5	14-Dec-92	0.42 U	0.59	0.42 U	0.42 U
A5-01	14-Dec-92 14-Dec-92	0.42 U 0.31 U	0.39 0.23 J	0.42 U 0.31 U	0.42 U 0.31 U
A5-01(rerun) A5-02	1		0.23 J 0.039 J	0.31 U 0.32 U	0.31 U 0.32 U
	14-Dec-92	0.32 U 0.11 J	0.039 J 0.48 U	0.32 U 0.13 J	0.32 U 0.056 J
A5-03	16-Dec-92				0.038 J 0.35 U
A5-05A	21-Jan-93	0.35 U	0.074 J	0.35 U	
A5-05B	21-Jan-93	0.48 U	0.063 J	0.48 U 1.2 U	0.48 U 1.2 U
A5-05B(rerun)	21-Jan-93	1.2 U	1.2 U	1.2 0	1,2 0
AREA 6	00 T 02	0.00 11	0.20 TT	0.39 U	0.39 U
A6-03B	20-Jan-93	0.39 U	0.39 U	0.39 0	0.39 0
AREA 7	17 D 02	0.00 11	0.0 T	0.22 11	0.22 TT
A7-02	17-Dec-92	0.33 U	0.2 J	0.33 U	0.33 U
A7-05A	16-Dec-92	0.38 U	0.38 U	0.38 U	0.38 U
A7-07	15-Dec-92	0.22 J	0.16 J	0.33 J	0.1 J
A7-19A	16-Dec-92	0.31 J	1 J	0.39 J	1.2 U
AREA 8		<i></i>	0.60 11	<i>(</i> 5 X	
A8-1S-A	21-Dec-92	66 J	350 U	65 J	350 U
A8-01	15-Dec-92	0.19 J	0.38 U	0.19 J	0.38 U
A8-03	20-Jan-93	0.054 J	0.34 U	0.34 U	0.34 U
A8-05	16-Dec-92	0.36 U	1.1	0.36 U	0.36 U
A8-09	20-Jan-93	36 U	36 U	36 U	36 U
A8-10A	15-Dec-92	1.6 U	1.6 U	1.6 U	1.6 U
A8-13	21-Jan-93	0.35 U	0.062 J	0.35 U	0.35 U
AREA 9					
A9-08	17-Dec-92	2.9 J	21 U	2.8 J	21 U
A9-10	17-Dec-92	0.042 J	0.077 J	0.054 J	0.35 U
AREA 10					
A10-05	10-Dec-92	330 U	330 U	330 U	330 U
A10-17	20-Jan-93	0.4 U	0.4 U	0.4 U	0.4 U
A10-18	20-Jan-93	0.39 U	0.39 U	0.39 U	0.39 U

B/WEY/37/TRIO-MD/TES-T24.XLS-94/ch:4 0141-037.27

Detected Semivolatile Organics Test Pit Soil Results Weyerhaeuser Everett East Site

			user Everett Eas		Page 6 of 7
		Benzo(a)-	Indeno(1,2,	Dibenz(a,h)-	Benzo(g,h,i)-
Sample	Date	pyrene	3-cd)pyrene	anthracene	perylene
Identification	Collected	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AREA 3		(ing/kg)	(ing/kg)	(116/16)	(
AXEA 3 A3-02A	09-Dec-92	0.044 J	0.33 U	0.33 U	0.33 U
A3-02B	09-Dec-92	0.033 J	0.32 U	0.32 U	0.32 U
A3-02B A3-02C	09-Dec-92	0.32 U	0.32 U	0.32 U	0.32 U
A3-02C A3-05	09-Dec-92	0.32 U	0.32 U	0.32 U	0.32 U
SEF-16	24-Jan-93	38.3 b	7.3 b,d	7.3 b,d	9.5 U
EX-2	11-Aug-93	0.7 Ua	0.7 Ua	1.4 Ua	1.4 Ua
Product	11-Aug-93	900 D	740 D	100 Ua	650 D
AREA 4	11-Aug-95	J 00 D	140 1	100 04	000 B
A4-02	21-Jan-92	0.39 U	0.39 U	0.39 U	0.39 U
A4-02 A4-03	21-Jan-92 20-Jan-93	0.35 U	0.35 U	0.35 U	0.35 U
A4-05 A4-06	20-Jan-93 21-Jan-92	0.35 U 0.36 U	0.36 U	0.35 U	0.35 U
AREA 5	21-jaii-72	0.00 0	0.00 0	0.00 0	0.00 0
AKEA 5 A5-01	14-Dec-92	0.42 U	0.42 U	0.42 U	0.42 U
	14-Dec-92 14-Dec-92	0.42 U 0.31 U	0.42 U 0.31 U	0.42 U 0.31 U	0.42 U 0.31 U
A5-01(rerun) A5-02	14-Dec-92 14-Dec-92	0.31 U 0.32 U	0.31 U 0.32 U	0.31 U 0.32 U	0.31 U
A5-02 A5-03	14-Dec-92 16-Dec-92	0.084 J	0.48 U	0.48 U	0.32 U 0.48 U
A5-05 A5-05A	21-Jan-93	0.35 U	0.48 U	0.35 U	0.48 U
A5-05B	21-Jan-93 21-Jan-93	0.33 U 0.17 J	0.48 U	0.48 U	0.33 U 0.48 U
	21-Jan-93 21-Jan-93	1.2 U	1.2 U	1.2 U	1.2 U
A5-05B(rerun) AREA 6	21-Jan-95	1.2 U	1.2 0	1.2 0	1.2 0
A6-03B	20-Jan-93	0.39 U	0.39 U	0.39 U	0.39 U
AREA 7	20-Jan-93	0.59 0	0.59 0	0,39 0	0.59 0
A7-02	17-Dec-92	0.33 U	0.33 U	0.33 U	0.33 U
A7-02 A7-05A	17-Dec-92 16-Dec-92	0.33 U 0.38 U	0.33 U 0.38 U	0.33 U	0.33 U
A7-03A A7-07	10-Dec-92 15-Dec-92	0.13 J	0.18 J	0.36 U	0.36 U
A7-07 A7-19A	15-Dec-92 16-Dec-92	0.13 J 0.13 J	1.2 U	1.2 U	1.2 U
AREA 8	10-Dec-92	0.15 J	1.2 0	1.2 0	1.2 0
AREA 8 A8-1S-A	21-Dec-92	350 U	350 U	350 U	350 U
A8-15-A A8-01	15-Dec-92	0.18 J	0.38 U	0.38 U	0.38 U
		0.18 J 0.34 U	0.38 U 0.34 U	0.38 U 0.34 U	0.38 U 0.34 U
A8-03 A8-05	20-Jan-93 16-Dec-92	0.34 U 0.36 U	0.34 U 0.36 U	0.34 U 0.36 U	0.34 U 0.36 U
A8-05 A8-09		0.36 U 36 U	0.36 U 36 U	0.36 U 36 U	0.36 U 36 U
	20-Jan-93	36 U 1.6 U	36 U 1.6 U	1.6 U	1.6 U
A8-10A A8-13	15-Dec-92	0.35 U	0.35 U	0.35 U	0.35 U
AREA 9	21-Jan-93	0,55 0	0.55 0	0.55 0	0.55 0
	17 Dec 02	2.7 J	2.4 J	21 U	2.4 J
A9-08	17-Dec-92 17-Dec-92	0.35 U	0.35 U	0.35 U	0.35 U
A9-10 AREA 10	17-1000-92	0,55 0	0.55 0	0.55 0	0.35 U
AREA 10 A10-05	10-Dec-92	330 U	330 U	330 U	330 U
	10-Dec-92 20-Jan-93	0.4 U	0.4 U	0.4 U	0.4 U
A10-05		114 11 1	04 0	U.4 U I	V.4 U

Table 2-4Detected Semivolatile OrganicsTest Pit Soil ResultsWeyerhaeuser Everett East Site

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Notes:

B - Analyte detected in blank and sample.

D - compound identified at a secondary dilution.

E - Concentration exceeded calibration range of the instrument.

J - Estimated value.

N/A - Not analyzed:

P - Greater than 25% difference for the detected contrations between two gas chromatograph columns.

U - Undetected at method reporting limit shown.

a - MRL was elevated because sample required diluting.

b - Result was confirmed qualitatively using GC/MS.

c - Result was confirmed from a diluted sample qualitatively using gas chromatograph and mass spectrometry.

d - These compounds coeluted; therefore, results were reported as combined concentrations.

e - Not confirmed by GC/MS due to low level.

Detected Phenols Test Pit Soil Results Weyerhaeuser Everett East Site

		Compound					
		2,3,5,6-	2,3,4,6-	2,3,4,5-	Penta-		
Sample	Date	Tetrachlorophenol	Tetrachlorophenol	Tetrachlorophenol	chlorophenol		
Indentification	Collected	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
AREA 3							
A3-03A	09-Dec-92	0.00031 U	0.061	0.0116 P	0.0361		
A3-03B	09-Dec-92	0.00027 U	0.044	0.00027 U	0.0126		
A3-03C	09-Dec-92	0.00031 U	0.041	0.0029	0.0042		
A3-03D	09-Dec-92	0.027 U	4.8 E	0.37 P	7.7 E		
AREA 4							
A4-02	21-Jan-92	0.00039 U	0.002	0.00039 U	0.0109		
A4-03	20-Jan-93	0.00038 U	0.0022	0.00038 U	0.0304		
A4-06	21-Jan-92	0.00038 U	0.00038 U	0.00038 U	0.16		
AREA 5							
A5-01	14-Dec-92	0.00033 U	0.0083	0.00033 U	0.0358		
A5-02	14-Dec-92	0.00033 U	0.0358	0.0025 P	0.241 E		
A5-03	16-Dec-92	0.0033 U	0.0033 U	0.0033 U	0.0171 P		
A5-08A	11-Dec-92	0.00033 U	0.0072	0.0069 P	0.0455 E		
A5-08B	11-Dec-92	0.00033 U	0.0048	0.00015 JP	0.0394		
A5-10	11-Dec-92	0.00033 U	0.00033 U	0.00033 U	0.0102		
A5-11	14-Dec-92	0.00033 U	0.0027	0.0388 P	0.0638 E		
A5-12	14-Dec-92	0.00033 U	0.00033 U	0.00033 U	0.0136		
AREA 6							
A6-01	14-Dec-92	0.00033 U	0.0072	0.004 P	0.0693 E		
A6-03B	20-Jan-93	0.0004 U	0.0099	0.0004 U	0.056 E		
AREA 8							
A8-02A	15-Dec-92	0.0033 U	0.0184	0.0033 U	0.141		
A8-02B	15-Dec-92	0.033 U	1.29 E	0.314 P	32.4 P		
A8-03	20-Jan-93	0.0035 U	0.0035 U	0.0035 U	0.047		
A8-09	20-Jan-93	0.035 U	2.54	0.035 U	30.3 E		
A8-10A	15-Dec-92	0.0033 U	0.0033 U	0.0033 U	0.0395		
AREA 10					0.0050		
A10-06	10-Dec-92	0.00031 U	0.013	0.0035 P	0.137 E		
A10-09D (rerun)	11-Dec-92	0.0033 U	0.021	0.03 P	0.306		
A10-10	10-Dec-92	0.0021 U	0.147	0.124 P	0.838 PE		
A10-11D (rerun)	11-Dec-92	0.033 U	0.36	0.033 U	0.904		
A10-12D (rerun)	11-Dec-92	0.033 U	0.174	0.033 U	0.799		
A10-13	09-Dec-92	0.00031 U	0.0078	0.0024 P	0.0168 PE		
A10-14	10-Dec-92	0.00031 U	0.0027	0.0017 P	0.0088		
A10-17	20-Jan-93	0.0004 U	0.0023	0.0004 U	0.000 P		
A10-18	20-Jan-93	0.0004 U	0.0004 U	0.0004 U	0.0056		
Notes:					0,0000		

U - Undetected at method reporting limit shown.

E - Concentration exceeded calibration range of the instrument.

P - Greater than 25% difference between GC columns,

J - Estimated value.

Table 2-6 Detected Pesticides & PCBs Test Pit Soil Results Weyerhaeuser Everett East Site

Page 1 of 3

		beta-BHC	Aldrin	4,4'-DDE	Endrin	Endosulfan II
Sample	Date					
Identification	Collected	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AREA 3						
A3-02C	09-Dec-92	0.002 U	0.002 U	0.004 U	0.004 U	0.004 U
A3-12	15-Dec-92	0.0018 U	0.0018 U	0.0035 U	0.0035 U	0.0045 P
AREA 6						
A6-01	14-Dec-92	0.0021 U	0.0021 U	0.0042 J	0.0042 U	0.0042 U
A6-02	14-Dec-92	0.02 U	0.02 U	0.0088 JP	0.04 U	0.04 U
A6-05	21-Jan-93	0.002 U	0.002 U	0.0039 U	0.0039 U	0.0048 P
A6-10	21-Jan-93	0.0019 U	0.0019 U	0.0023 J	0.0038 U	0.0038 U
AREA 7						
A7-01A	17-Dec-92	0.0017 U	0.0009 JP	0.0035 U	0.0035 U	0.0035 U
A7-01B	17-Dec-92	0.18 U	0.18 U	0.078 JP	0.35 U	0.35 U
A7-04A	17-Dec-92	0.0026 U	0.0026 U	0.0026 J	0.0016 JP	0.0052 U
A7-04B	17-Dec-92	0.03 U	0.03 U	0.027 J	0.061 U	0.061 U
A7-05A	16-Dec-92	0.0018 U	0.0018 U	0.0051	0.0036 U	0.0036 U
A7-07	15-Dec-92	0.018 U	0.018 U	0.0044 JP	0.036 U	0.034 J
A7-14	17-Dec-92	0.0018 U	0.0018 U	0.0012 JP	0.0036 U	0.0036 U
A7-16	17-Dec-92	0.0021 U	0.0021 U	0.00092 J	0.0042 U	0.00098 JP
A7-17	15-Dec-92	0.0018 U	0.0018 U	0.0036 U	0.0036 U	0.0036 U
A7-19A	16-Dec-92	0.27 U	0.27 U	0.54 U	0.54 U	0.19 J
A7-19B	16-Dec-92	0.0085 JP	0.026 P	0.0035 JP	0.035 U	0.035 U
MW-105D	23-Dec-92	0.019 U	0.019 U	0.028 J	0.0061 JP	0.039 U
AREA 9						
A9-01	21-Jan-93	0.0018 U	0.0018 U	0.0035 U	0.0035 U	0.0045
A9-05	20-Jan-93	0.0021 U	0.0021 U	0.033	0.0042 U	0.0042 U
A9-09	17-Dec-92	0.2 U	0.2 U	0.41 P	0.054 JP	0.39 U
A9-10	17-Dec-92	0.018 U	0.018 U	0.0085 J	0.036 U	0.036 U
A9-12	20-Jan-93	0.0018 U	0.0018 U	0.0036 U	0.0036 U	0.0036 U
AREA 10						
A10-05	10-Dec-92	2.1 U	2.1 U	4.2 U	4.2 U	3.8 U
A10-09	11-Dec-92	0.0021 U	0.0021 U	0.00051 J	0.0042 U	0.0042 U
NOTES: U - Undetected at method rej	porting limit shown.					

E - Concentration exceeded instrument calibration range.

P - Greater than 25% difference between GC columns.

J - Estimated value.

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Table 2-6 Detected Pesticides & PCBs Test Pit Soil Results Weyerhaeuser Everett East Site

Page 2 of 3

		4,4'-DDD	4,4'-DDT	Methoxychlor	Endrin	alpha-
Sample	Date				aldehyde	Chlordane
Identification	Collected	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AREA 3						
A3-02C	09-Dec-92	0.004 U	0.004 U	0.02 U	0.004 U	0.002 U
A3-12	15-Dec-92	0.0013 JP	0.0035 U	0.018 U	0.0074	0.0018 U
AREA 6						
A6-01	14-Dec-92	0.0042 U	0.0042 U	0.021 U	0.0042 U	0.0021 U
A6-02	14-Dec-92	0.04 U	0.04 U	0.2 U	0.04 U	0.02 U
A6-05	21-Jan-93	0.0039 U	0.0039 U	0.02 U	0.0092	0,0004 ЛР
A6-10	21-Jan-93	0.0038 U	0.0038 U	0.019 U	0.0016 JP	0.0023
AREA 7	5 					
A7-01A	17-Dec-92	0.0035 U	0.0035 U	0.017 U	0.0035 U	0.0018 U
A7-01B	17-Dec-92	0.35 U	0.082 JP	1.8 U	0.35 U	0.18 U
A7-04A	17-Dec-92	0.0045 JP	0.0052 U	0.026 U	0.0052 U	0.0087 P
A7-04B	17-Dec-92	0.061 U	0.011 JP	0.3 U	0.061 U	0.031 U
A7-05A	16-Dec-92	0.0008 JP	0.0036 U	0.018 U	0.0036 U	0.0018 U
A7-07	15-Dec-92	0.036 U	0.036 U	0.18 U	0.046	0.019 U
A7-14	17-Dec-92	0.0036 U	0.0036 U	0.018 U	0.0036 U	0.0018 U
A7-16	17-Dec-92	0.0042 U	0.0042 U	0.021 U	0.0042 U	0.0021 U
A7-17	15-Dec-92	0.0036 U	0.0036 U	0.018 U	0.0036 U	0.0019 U
A7-19A	16-Dec-92	0.54 U	0.54 U	2.7 U	0.54 U	0.28 U
A7-19B	16-Dec-92	0.035 U	0.035 U	0.18 U	0.035 U	0.018 U
MW-105D	23-Dec-92	0.039 U	0.039 U	0.19 U	0.039 U	0.02 U
AREA 9						0,02 0
A9-01	21-Jan-93	0.0035 U	0.0035 U	0.018	0.0066	0.00035 JP
A9-05	20-Jan-93	0.0045 P	0.0042 U	0.021 U	0.0042 U	0.0022 U
A9-09	17-Dec-92	0.39 U	0.14 JP	2 U	0.12 JP	0.35
A9-10	17-Dec-92	0.036 U	0.036 U	0.18 U	0.036 U	0.019 U
A9-12	20-Jan-93	0.0036 U	0.0036 U	0.0022 J	0.0036 U	0.0019 U
AREA 10			-	•••••		0.0017 0
A10-05	10-Dec-92	4.2 U	4.2 U	21 U	4.2 U	2.1 U
A10-09	11-Dec-92	0.0042 U	0.0042 U	0.021 U	0.0042 U	0.0022 U
NOTES:	•	·l	—			
U - Undetected at method rep	orting limit shown.					

E - Concentration exceeded instrument calibration range.

P - Greater than 25% difference between GC columns.

J - Estimated value.

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Table 2-6Detected Pesticides & PCBsTest Pit Soil ResultsWeyerhaeuser Everett East Site

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		gamma-	Aroclor-1016	Aroclor-1242	Aroclor-1254	Aroclor-1260
Sample	Date	Chlordane			-	
Identification	Collected	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AREA 3						
A3-02C	09-Dec-92	0.002 U	0.039 U	0.039 U	0.039 U	0.033 J
A3-12	15-Dec-92	0.0018 U	0.034 U	0.034 U	0.034 U	0.14
AREA 6						
A6-01	14-Dec-92	0.0021 U	0.041 U	0.041 U	0.041 U	0.041 U
A6-02	14-Dec-92	0.02 U	0.39 U	0.39 U	0.51	0.39 U
A6-05	21-Jan-93	0.002 U	0.038 U	0.038	0.038 U	0.17
A6-10	21-Jan-93	0.00041 JP	0.037 U	0.037 U	0.15	0.052
AREA 7						
A7-01A	17-Dec-92	0.0017 U	0.047	0.034 U	0.034 U	0.034 U
A7-01B	17-Dec-92	0.18 U	3.4 U	3.4 U	4.3	3.4 U
A7-04A	17-Dec-92	0.0087 P	0.05 U	0.05 U	0.1	0.053
A7-04B	17-Dec-92	0.03 U	0.59 U	0.59 U	1	0.59 U
A7-05A	16-Dec-92	0.00093 ЛР	0.052 P	0.035 U	0.29	0.035 U
A7-07	15-Dec-92	0.018 U	0.35 U	0.35 U	0.35 U	0.89
A7-14	17-Dec-92	0.0018 U	0.035 U	0.035 U	0.078	0.035 U
A7-16	17-Dec-92	0.0021 U	0.04 U	0.04 U	0.075	0.042
A7-17	15-Dec-92	0.0018 U	0.035 U	0.035 U	0.015 J	0.035 U
A7-19A	16-Dec-92	0.27 U	5.2 U	5.2 U	6.6	4.4 JP
A7-19B	16-Dec-92	0.018 U	1.2	0.34 U	0.13 J	0.34 U
MW-105D	23-Dec-92	0.0042 JP	0.38 U	0.38 U	1.8	0.53
AREA 9						
A9-01	21-Jan-93	0.0018 U	0.034 U	0.034 U	0.13	0.12
A9-05	20-Jan-93	0.0067 P	0.041 U	0.041 U	1.8 EP	0.6 EP
A9-09	17-Dec-92	0.058 JP	3.8 U	3.8 U	22	7
A9-10	17-Dec-92	0.018 U	0.35 U	0.35 U	0.64	0.35 U
A9-12	20-Jan-93	0.0018 U	0.035 U	0.035 U	0.035 U	0.035 U
AREA 10						
A10-05	10-Dec-92	2.1 U	41 U	41 U	41 U	87
A10-09	11-Dec-92	0.0021 U	0.041 U	0.041 U	0.041 U	0.016 J
NOTES.						·

NOTES:

U - Undetected at method reporting limit shown.

E - Concentration exceeded instrument calibration range.

P - Greater than 25% difference between GC columns.

J - Estimated value.

Arsenic Results for Soil Weyerhaeuser Everett East Site

Sample Idenfication	Arsenic Concentration (mg/kg)	
AREA 3		
A3-05	20.0	
A3-01	5.8	
A3-04	5.3	
AREA 10		
A10-08	5.2	
A10-05	13.3	

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Table 3-1

Summary of Monitoring Well Details Weyerhaeuser Everett East Site

Well	Date Drilled	Elevation Top of PVC Well Casing (ft msl)	Total Depth (ft bgs)	Filter Pack Internal (ft bgs)	Well Screen Interval (ft bgs)
AREA 8			·····		
MW-100S	12/21/92	11.91	10	3 - 10	5 - 10
MW-100D	12/21/92	12.14	25	13 - 25	15 - 25
MW-101S	12/21/92	11.97	7.5	2 - 7.5	2.5 - 6.5
MW-102S	12/22/92	11.49	7.5	2.5 - 7.5	3.25 - 6.25
MW-103S	12/22/92	14.01	9.5	3 - 9.5	4.5 - 8.5
MW-103D	12/22/92	13.52	25	13 - 25	15 - 25
AREA 7					
MW-104S	12/23/92	14.83	11.5	4 - 11.5	5.5 - 10.5
MW-105S	12/23/92	11.81	7.5	2 - 7.5	3 - 7.25
MW-105D	12/23/92	12.19	25	11.5 - 25	15 - 25
MW-106S	12/28/92	8.66	6.5	1.9 - 6	2.25 - 6.25
AREA 9					
MW-107S	12/28/92	10.64	6	2 - 6	2.5 - 6
AREA 10					
MW-108S	12/28/92	11.15	7	1.75 - 7	2 - 7
MW-108D	12/28/92	10.88	28	15 - 28	18 - 28
MW-109S	12/31/92	11.36	11	3 - 11	5 - 11
NOTE: ft msl = ft bgs =	Feet mean sea level. Feet below the ground sur	faco.	1		

Table 3-2

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Groundwater Monitoring Well Location Rationale Weyerhaeuser Everett East Site

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Monitor			
Well			
Number	Location	Location Rationale	I aboratory Parameterc ¹
MW-100S	Southeastern Area 8	Potential Mill E/Koppers influence; characterize adjacent concrete pads	-GAS/BTEX
MW-100D	MW-100D Southeastern Area 8	Downgradient from Area 3 dip tank nad	VOC WITHULD VOC. DCD N
MW-101S	MW-101S South-central Eastern Area 8 Framing shop	Framing shop	WTPH-D semi-YOCs, FUC, DISSOIVED BISEDIC
MW-102S	North-central Eastern Area 8	MW-1028 North-central Eastern Area 8 Downgradient from oil/paint storage building; possible upgradient din tank site	WTPH-GAS/BTEX, WTPH-D, PCP, semi-VOCs, Dissolved
MW-103S	MW-103S Northeastern Area 8	Downgradient from leaking chip dumper and SE fire area	WTPH-GAS/BTEX, PCP, semi-VOCs, Dioxin, PCB.
MW-103D	MW-103D Northeastern Area 8		Dissolved arsenic
MW-104S	MW-104S Eastern Area 7	Downstradient from SE fire area and former and	VOC, WTPH-D, semi-VOCs, Dissolved arsenic
MW-105S	MW-105S Northeastern Area 7	Former saw mill site and fire area	WIPH-D, sem-VOCs, PCB, Dioxin, Dissolved arsenic WTPH-GAS/RTFX WTPH-D semi_VOCs DCP Dissolved
			Dissolved arsenic
rcot-ww	MW-1020 Northeastern Area 7		VOC WTPH-D semi-VOC Discrict Lines of the
MW-106S	MW-106S Northern Area 9	Former parking lot	WTPH_CACPTEV WITTER VCS, DIOXIII, LISSOIVED BISEILC
MW-107S	MW-107S Northern Area 10	Upgradient arsenic characterization: adiacent to potential	WTPH-GAC/RTEY WIFA-U, Semi-VUCS, Dissolved arsenic
		petroleum contamination	TITLOWN TITLY, WILTH-D, DISSOIVED ATSENIC
MW-108S	MW-108S West-central Area 10	Upgradient arsenic	WTPH-D Dissolved arcenic
MW-108D	MW-108D West-central Area 10		
MW-109S	MW-109S Southern Area 10/Northern	Characterize and delineste notantial DCD DCD and anti-	VOC, WIFTELD, Semi-VOCS, Dissolved arsenic
	Area 3	contamination; upgradient arsenic	WIPH-GAS/BIEX, WTPH-D, semi-VOCs, Dissolved
	Southern Area 6	Downgradient from Dip Tank #3	WTPH_G WTPH_D VIOC VOC. PCP
	Southwest Area 5	Downgradient from Dip Tank Pad	WTPH & WILLEY, VOC, SEM-VOCS, FOB
	Northern Area 10	Downgradient from former 12,000-gallon diesel tank	WITPH-G WTTPULD, YOC, SEMI-YOCS
	Southern Area 3	Downgradient from former diesel tank	WTELC, WILL', VOC
	Southern Area 3	Downgradient from WP-5	withto, with u, you
WP-R2	Southern Area 3	Downgradient from former diesel tank	
WP-R3	Southern Area 3	South of former diesel tank	semi-YOCs
NOTE: S	- designates shallow well completion		
A ¹ Laboratory N	- designates deep well completio dethods: WTPH-Gas/BTEX (Ecolog	A - designates deep well completion. ¹ Laboratory Methods: WTPH-Gas/BTEX (Ecology 8015M), WTPH-D (Ecology 8015M), VOC (FDA 62A), and XYOO, FDA 625, how one control of the control of t	
			, PCB (EPA 008), PCP (EPA 604), Dissolved As (EPA 206.3).

Table 3-3

Detected Petroleum Hydrocarbons Groundwater Results Weyerhaeuser Everett East Site

	WTPH-G	WTPH-D (mg/L)		
Date Collected	(mg/L)	Diesel	Heavier	
01-Jan-93		0.5 U	1	
22-Jan-93		1	0.5 U	
22-Jan-93	0.05 U	2	3	
20-Jan-93	0,33	20	4	
20-Jan-93		0.5 U	3	
20-Jan-93	0.69	0.5 U	2	
29-Dec-92	0.05 U	3	3 U	
01-Jul-93		26.3	5.7	
23-Jul-93	NA	0.25 U	0.75 U	
	01-Jan-93 22-Jan-93 22-Jan-93 20-Jan-93 20-Jan-93 20-Jan-93 29-Dec-92 01-Jul-93	Date Collected (mg/L) 01-Jan-93	Date Collected (mg/L) Diesel 01-Jan-93 0.5 U 22-Jan-93 1 22-Jan-93 0.05 U 20-Jan-93 0.33 20-Jan-93 0.5 U 20-Jan-93 0.33 20-Jan-93 0.5 U 20-Jan-93 0.5 U 20-Jan-93 0.69 0.5 U 3 01-Jul-93 0.05 U	

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Table 3-4 Detected Volatile Organic Compounds Groundwater Results Weyerhaeuser Everett East Site

Sample Identification	Date Collected	Methylene Chloride (µg/l)	Acetone (µg/l)
MW-103D	21-Jan-93	10 U	12
MW-105D	22-Jan-93	10 U	18
MW-106S	21-Jan-93	5 J	12
MW-107S	20-Jan-93	10 U	15
MW-109S	20-Jan-93	10 U	26
WP-5	29-Dec-92	10 U	14

Notes:

U - Undetected at method reporting limit shown.

J - Estimated value.

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Detected Semivolatile Organic Compounds Groundwater Results

Weyerhaeuser Everett East Site

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			4-Methyl-	4-Methyl- Naphthalene 2-Methyl-	2-Methyl-	Dimethyl	Dibenzo-	Pentachlor-	Phenan-
Sample	Date	Phenol	phenol		naphthalene	phthalate	furan	ophenol	threne
Identification	Collected	(l/g/l)	(l/grl)	(J/gr/)	(l/gµ)	(µg/])	(I/gµ)	(l/grl)	(l/gıl)
MW-102S	22-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U	26 U	10 U
MW-103S	22-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U	25 U	10 U
MW-103D	21-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U	25 U	10 U
MW-104S	22-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U	25 U	10 U
MW-105S	22-Jan-93	2 J	29	4 J	10 U	10 U	10 U	25 U	2 J
MW-105D	22-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U	25 U	10 U
MW-106S	21-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U	25 U	10 U
S601-WM	20-Jan-93	1 J	10 U	7 J	1 J	10 U	10 U	25 U	2 J
WP-2	29-Dec-92	1	1 J	5 J	10 U	10 U	10 U	l J	10 U
WP-3	29-Dec-92	10 U	10 U	2 J	10 U	10 U	10 U	26 U	10 U
WP-R1	13-Oct-93	11 U	6 J	71	5J	I J	l J	8 J	5 J
WP-R2	13-Oct-93	11 U	11 U	11 U	11 U	11 U	11 U	28 U	11 U
WP-R3	13-Oct-93	10 U	10 U	2 J	10 U	10 U	10 U	26 U	1 J
Notes:									
U - Undetected at method reporting lmit shown.	sporting lmit shown.								
J - Estimated value.									
B - Analyte detected in blank and sample.	ık and sample.								

B/WEY/37/TRIO-MD/TES-T35.XLS-94/ch:5 0141-037.27

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Detected Semivolatile Organic Compounds Groundwater Results

Weyerhaeuser Everett East Site

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								292 -	
		Anthracene	Carbazole	Di-n-Butyl	Fluoran-	Pyrene	Benzo(a)-	Chrysene	bis(2-Ethyl-
Sample	Date			phthalate	thene		anthracene		hexyl)
									phthalate
Identification	· Collected	(l/grl)	(µg/])	(l/gµ)	(µg/I)	(µg/l)	(Jl/gh)	(l/grl)	(J/grl)
MW-102S	22-Jan-93	10 U	10 . U	2 J	10 U	10 U	10 U	10 U	3 J
MW-103S	22-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
MW-103D	21-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
MW-104S	22-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5]
MW-105S	22-Jan-93	10 U	10 U	10 U	3 J	4 J	1 J	1 J	10 U
MW-105D	22-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
MW-106S	21-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
S601-WM	20-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5]
WP-2	29-Dec-92	10 U	10 U	10 U	10 U	10 U	10 U	10 U	8 BJ
WP-3	29-Dec-92	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 BJ
WP-R1	13-Oct-93	1 J	4 J	11 U	9 J	7 J	3 J	6 Ј	69
WP-R2	13-Oct-93	11 U	11 U	10 J	11 U	11 U	11 U	11 U	8 J
WP-R3	13-Oct-93	10 U	10 U	10 U	2 J	2 J	10 U	l J	3 J
Notes:									
U - Undetected at method reporting lmit shown.	eporting Imit shown.								
J - Estimated value.									

B - Analyte detected in blank and sample.

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Detected Semivolatile Organic Compounds Groundwater Results

Weyerhaeuser Everett East Site

•							Page 3 of 3
		Di-n-Octyl	Benzo(b)fluor-	Benzo(k)fluor-	Benzo(a)-	Benzo(a)- Indeno(1,2,3-	Benzo(g,h,i)-
Sample	Date	phthalate	anthene	anthene	pyrene	cd)pyrene	perylene
Identification	Collected	(l/g/)	(µg/l)	(µg/l)	(l/gµ)	(l/gµ)	(l/g/l)
MW-102S	22-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U
MW-103S	22-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U
MW-103D	21-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U
MW-104S	22-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U
MW-105S	22-Jan-93	10 U	2 J	10 U	10 U	10 U	10 U
MW-105D	22-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U
MW-106S	21-Jan-93	10 U	10 U	10 U	10 U	10 U	10 U
MW-109S	20-Jan-93	4 J	10 U	10 U	10 U	10 U	10 U
WP-2	29-Dec-92	10 U	10 U	10 U	10 U	10 U	10 U
WP-3	29-Dec-92	10 U	10 U	10 U	10 U	10 U	10 U
WP-R1	13-Oct-93	11 J	4 J	2 J	3 J	2 J	2 J
WP-R2	13-Oct-93	11 U	11 U	11 U	11 U	11 U	11 U
WP-R3	13-Oct-93	10 U	1 J	10 U	10 U	10 U	10 U
Notes:							
U - Undetexted at method reporting lmit shown.	eporting lmit shown.						
J - Estimated value.							
B - Analyte detected in blank and sample.	nk and sample.						

B/WEY/37/TRIO-MD/TES-T35.XLS-94/ch:5 0141-037.27

Detected Phenols Groundwater Results Weyerhaeuser Everett East Site

			Corr	pound	
		2,3,5,6-	2,3,4,6-	2,3,4,5-	
Sample	Date	Tetrachlorophenol	Tetrachlorophenol	Tetrachlorophenol	Pentachlorophenol
Indentification	Collected	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-103S	22-Jan-93	0.1 U	0.1 U	0.1 U	0.05 JP

Notes:

U - Undetected at method reporting limit shown.

J - Estimated value.

P - Greater than 25% difference between GC columns.

Table 3-7 Detected Pesticides And PCBs Groundwater Results Weyerhaeuser Everett East Site

Date	Aldrin	Aroclor-1016	Aroclor-1242	Aroclor-1254
Collected	(µg/l)	(µg/l)	(µg/l)	(µg/l)
22-Jan-93	0.011 JP	1 U	1 U	1
22-Jan-93	0.052 U	1 U	1 U	0.42 J
29-Dec-92	0.054 U	0.78 J	1.2	1.1 U
	Collected 22-Jan-93 22-Jan-93	Collected (μg/l) 22-Jan-93 0.011 JP 22-Jan-93 0.052 U	Collected (μg/l) (μg/l) 22-Jan-93 0.011 JP 1 U 22-Jan-93 0.052 U 1 U	Collected (μg/l) (μg/l) (μg/l) 22-Jan-93 0.011 JP 1 U 1 U 22-Jan-93 0.052 U 1 U 1 U

Notes:

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U - Undetected at method reporting limit shown.

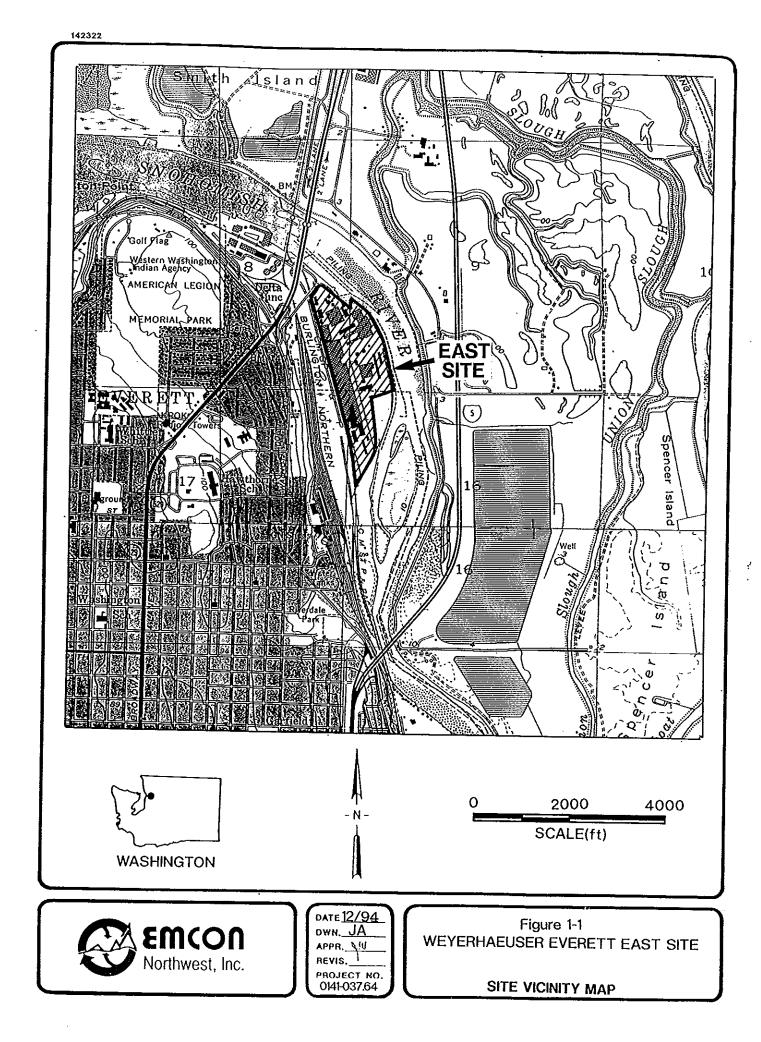
J - Estimated value less than the quantitation limit.

P - Greater than 25% difference between GC columns.

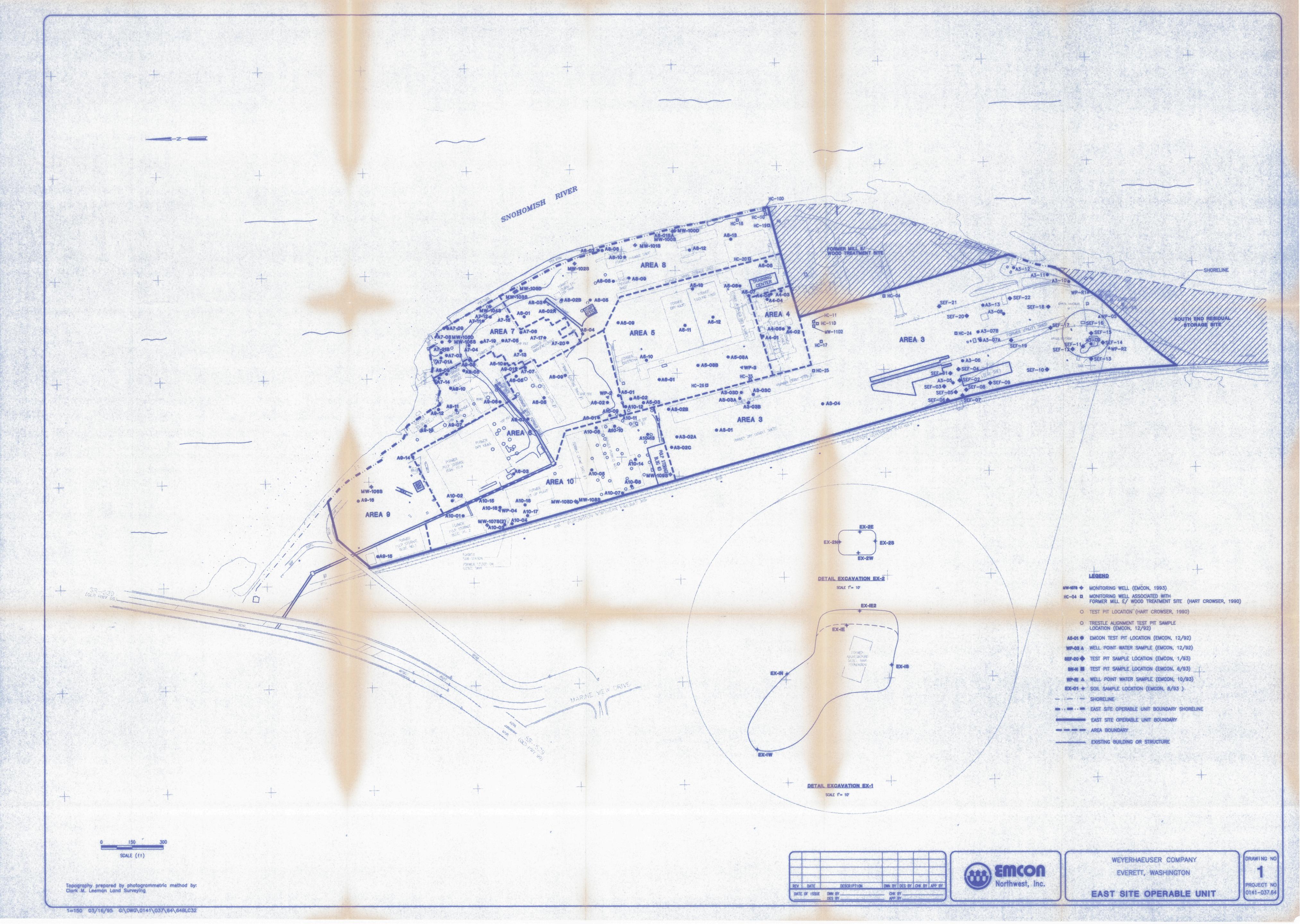
Table 3-8 Detected Dissolved Arsenic Groundwater Results Weyerhaeuser Everett East Site

	in and a second second	Dissolved Arsenic Analysis
Sample	Date	EPA Method 206.2
Identification	Collected	(μg/l)
MW-100S	21-Jan-93	6
MW-100D	21-Jan-93	9
MW-101S	21-Jan-93	22
MW-102S	22-Jan-93	7
MW-103S	22-Jan-93	16
MW-103D	21-Jan-93	4
MW-104S	22-Jan-93	40
MW-105S	22-Jan-93	6
MW-106S	21-Jan-93	16
MW-107S	20-Jan-93	71
MW-108S	20-Jan-93	10
MW-108D	20-Jan-93	4,460
MW-109S	20-Jan-93	7

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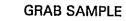
APPENDIX A

TEST PIT AND SOIL BORING LOGS

EXPLANATION OF SYMBOLS ON EXPLORATORY TEST PIT LOGS

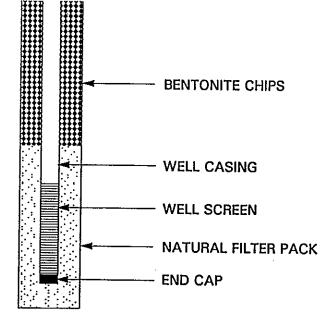


SAMPLE COLUMN

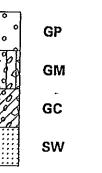


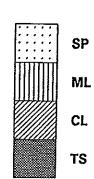
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WELL DETAILS COLUMN



LITHOLOGIC COLUMN







BOULDER

SW-SM

SOIL CLASSIFICATION CHART

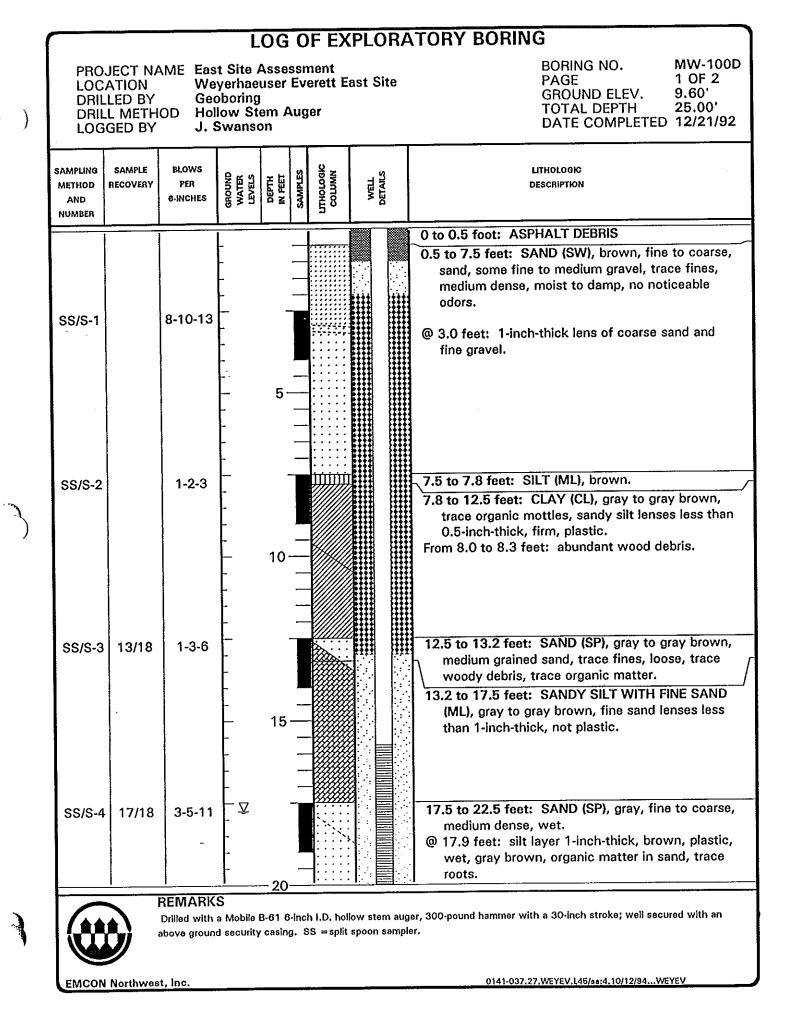
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			SYM	BOLS	TYPICAL
MA	JOR DIVISI	0142	GRAPH	LETTER	DESCRIPTIONS
	GRAVEL	CLEAN GRAVELS	0 ~ 0 ~ 0 ~ 0 ~ 0 0 ~ 0 ~ 0 ~ 0 ~ 0 0 ~ 0 ~	GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
	AND GRAVELLY SOILS	(LITTLE OR NO FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
COARSE GRAINED	MORE THAN 50%	GRAVELS WITH FINES	00000000000000000000000000000000000000	GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
SOILS	OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	(APPRECIABLE AMOUNT OF FINES)	8 4 5 0 5 0 5 0 5 9 6 9 5 5 6 0 7 9 7 9 5 5 6 0 7 8 7 9 6 5 6 7	GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND	CLEAN SANDS		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
MORE THAN 50% DF MATERIAL IS ARGER THAN NO. 200 SIEVE SIZE	AND SANDY SOILS	(LITTLE OR NO FINES)		SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE	SANDS WITH FINES		SM	SILTY SANDS, SAND - SILT MIXTURES
	FRACTION PASSING ON NO. 4 SIEVE	{Appreciable amount of Fines}		SC	CLAYEY SANDS, SAND - CLAY MIXTURES
				ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
SILTS FINE AND		LIQUID LIMIT LESS THAN		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
GRAINED SOILS	CLAYS	50		OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MORE THAN 50% OF MATERIAL IS				МН	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		СН	INORGANIC CLAYS OF HIGH PLASTICITY
				он	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HI	GHLY ORGANIC	SOILS	자 자 자 자 7 77 77 77 <u>77 77 77</u> 77	PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

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NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

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LOC/ DRIL DRIL	JECT NA ATION LED BY L METH GED BY	Geo OD Holl	s Cita /	Asses user E em Af	sme Ever	ent ett Ea	ast Site	TORY BORINGBORING NO.MW-100DPAGE2 OF 2GROUND ELEV.9.60'TOTAL DEPTH25.00'DATE COMPLETED12/21/92
SAMPLING METHOD AND NUMBER	SAMPLE RECOVERY	BLOWS PER 6-INCHES	GROUND WATER LEVELS	DEPTH IN FEET	SAMPLES	COLUMN	WELL DETAILS	
SS/S-5	17/18	5-15-16		25 · 30				 17.5 to 22.5 feet: SAND (SP), continued. (@ 18.5 feet: sand coarsens to medium-coarse grained, trace gravel. 22.5 to 25.0 feet: SAND (SW), gray, fine to medium sand, some fine gravel, trace fines, dense, wet, some wood debris at 23.5 feet, uniform appearance. Total depth drilled = 25.0 feet. Total depth sampled = 24.0 feet. WELL COMPLETION DETAILS: + 3.0 to 15.75 feet: 2-inch-diameter, flush threaded schedule 40 PVC blank riser pipe. 15.75 to 25.0 feet: 2-inch-diameter, flush threaded schedule 40 PVC well screen with 0.010-inch machined slots and a 2-inch-diameter threaded end cap. 0 to 1.0 foot: Concrete. 1.0 to 2.0 feet: 10 - 20 Colorado silica sand. 2.0 to 13.0 feet: 10 - 20 Colorado silica sand. 3.0 to 25.0 feet: 10 - 20 Colorado silica sand.
		REMAR Drilled w above gro	ith a Moh	aile B-61	- - - 1 6·in sing.	ch I.D. SS = s	hollow stem a plit spoon sar	auger, 300-pound hammer with a 30-inch stroke; well secured with an npler.

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LOC/ DRIL DRIL	JECT NA ATION LED BY L METH GED BY	We Geo OD Hol	t Site / yerhae boring low St Swanso	user em A	Ενε	erett Ea	ast Site	BORING NO. MW-100S PAGE 1 OF 1 GROUND ELEV. 9.70' TOTAL DEPTH 11.50' DATE COMPLETED 12/21/92
AMPLING METHOD AND NUMBER	SAMPLE RECOVERY	BLOWS PER 6-INCHES	GROUND WATER LEVELS	depth In feet	SAMPLES	COLUMN	WELL Details	Lithologic Description
SS/S-1	14/18	6-8-9	-					0 to 0.8 foot: ASPHALT 0.8 to 10.0 feet: SAND (SP), gray to black, fine to coarse sand, trace fine gravel, medium dense, damp. From 1.5 to 1.7 feet: black, trace fines.
SS/S-2	1/18	1-1-2		5				@ 5.0 feet: dark brown to black cuttings, very loose, trace organic debris, wet.
SS/S-3	8/18	0-0-2	*	10	 ()			 @ 9.0 feet: approximately 6-inch-thick silt layer. 10.0 to 11.5 feet: SILT (ML), gray brown, some organic matter, trace fine sand, very soft,
				18				 medium plasticity. @ 11.3 feet: orange silt laminae, approximately 1-millimeter-thick. Total depth drilled = 10.0 feet. Total depth sampled = 11.5 feet. WELL COMPLETION DETAILS: +2.5 to 5.5 feet: 2-inch-diameter, flush threaded schedule 40 PVC blank riser pipe. 5.5 to 10.0 feet: 2-inch-diameter, flush threaded schedule 40 PVC well screen with 0.010-inch machined slots and a 2-inch-diameter threaded end cap. 0 to 0.5 foot: Concrete.
			-	2	- - - - 0-			0 to 0.5 foot: Concrete. 0.5 to 3.0 feet: Bentonite chips hydrated with potable water. 3.0 to 11.5 feet: 10 - 20 Colorado silica sand.



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above ground security casing. SS =split spoon samp

EMCON Northwest, Inc.

LOC DRIL DRIL	JECT NA ATION LED BY L METH GED BY	Geo OD Holl	t Site A yerhae oboring low Sta Swanso	user i I em A	EVe		ast Site	BORING NO. MW-101S PAGE 1 OF 1 GROUND ELEV. 9.00' TOTAL DEPTH 7.50' DATE COMPLETED 12/21/92
SAMPLING METHOD AND NUMBER	SAMPLE RECOVERY	BLOWS PER 6-INCHES	ground Water Levels	DEPTH IN FEET	SAMPLES	COLUMN	WELL DETAILS	LITHOLOGIC DESCRIPTION
SS/S-1	12/15	29-29-26				° 1.7.1.1 		O to 0.25 foot: ASPHALT 0.25 to 0.6 foot: GRAVEL (GW), gray to reddish-brown, fine to medium gravel, some
SS/S-2	12/18	10-16-13		-				sand. (FILL) From 0.5 to 0.6 foot: ash, black, friable, trace gravel.
SS/S-3	12/18	4-7-8	- - ⊈			· · · · · · · · · · · · · · · · · · ·		0.6 to 0.75 foot: SILTY SAND (SM), reddish-brown, fine to medium sand, trace coarse sand, damp.
SS/S-4		3-3-4	-	5-				0.75 to 6.5 feet: SAND (SP), gray-brown, fine to coarse, trace gravel, trace fines, damp. From 1.5 to 6.0 feet: trace orange mottling,
SS/S-5	18/18	0-1-2	-					medium dense. From 4.0 to 6.0 feet: becomes moist. From 6.0 to 6.5 feet: becomes loose. 6.5 to 7.5 feet: SILT (ML), olive-brown, plastic,
				10	 	- - -		abundant wood chips and rootlets. Total depth drilled = 7.5 feet. Total depth sampled = 7.5 feet.
			-		-			 WELL COMPLETION DETAILS: +2.5 to 2.5 feet: 2-inch-diameter, flush-threaded, schedule 40 PVC blank riser pipe. 2.5 to 6.5 feet: 2-inch-diameter, flush-threaded,
			-					2.5 to 6.5 feet: 2-inch-diameter, hash throader, schedule 40 PVC well screen with 0.010-inch machined slots and a 2-inch-diameter threaded end cap.
				15				0 to 1.0 foot: Concrete. 1.0 to 2.0 feet: Bentonite chips hydrated with potable water. 2.0 to 6.5 feet: 10 - 20 Colorado Silica Sand.
			-					
		-	-		-			



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above ground security casing. SS = split spoon sampler.

EMCON Northwest, Inc.

LOCA DRILL DRILL	ECT NA TION ED BY METHO ED BY	Wey Geo OD Holl	yerhae boring	em Aug	erett Ea	ast Site	BORING NO. MW-102S PAGE 1 OF 1 GROUND ELEV. 9.00' TOTAL DEPTH 7.50' DATE COMPLETED 12/22/92
	SAMPLE ECOVERY	BLOWS PER 6-INCHES	GROUND WATER LEVELS	depth In feet Samples	COLUMN COLUGGIC	WELL. Details	LITHOLOGIC DESCRIPTION
SS/S-3	13/8 12/18 13/18 11/18	5-9-10 5-10-7 3-2-2 1		5-			 0 to 1.5 feet: WOOD CHIPS 1.5 to 6.0 feet: SAND (SP), brown to gray-brown, medium grained to fine grained, trace fines, trace fine gravel, medium dense, damp. 4.5 feet: coarse sand increases and becomes very loose. 5.0 feet: sand turns gray with iron staining apparent. 6.0 to 6.25 feet: SAND AND SILT (SM), very loose. 6.25 to 6.5 feet: SILT (ML), dark gray with abundant carbonized wood debris. 6.5 to 7.0 feet: SILT (ML), medium to olive gray, plastic. Total depth drilled = 7.0 feet. WELL COMPLETION DETAILS: + 3.0 to 3.5 feet: 2-inch-diameter, flush threaded schedule 40 PVC blank riser pipe. 3.5 to 6.75 feet: 2-inch-diameter, flush threaded schedule 40 PVC well screen with 0.010-inch machined slots and a 2-inch-diameter slip end cap. 0 to 1.0 foot: Concrete. 1.0 to 2.5 feet: 10 - 20 Colorado silica sand.

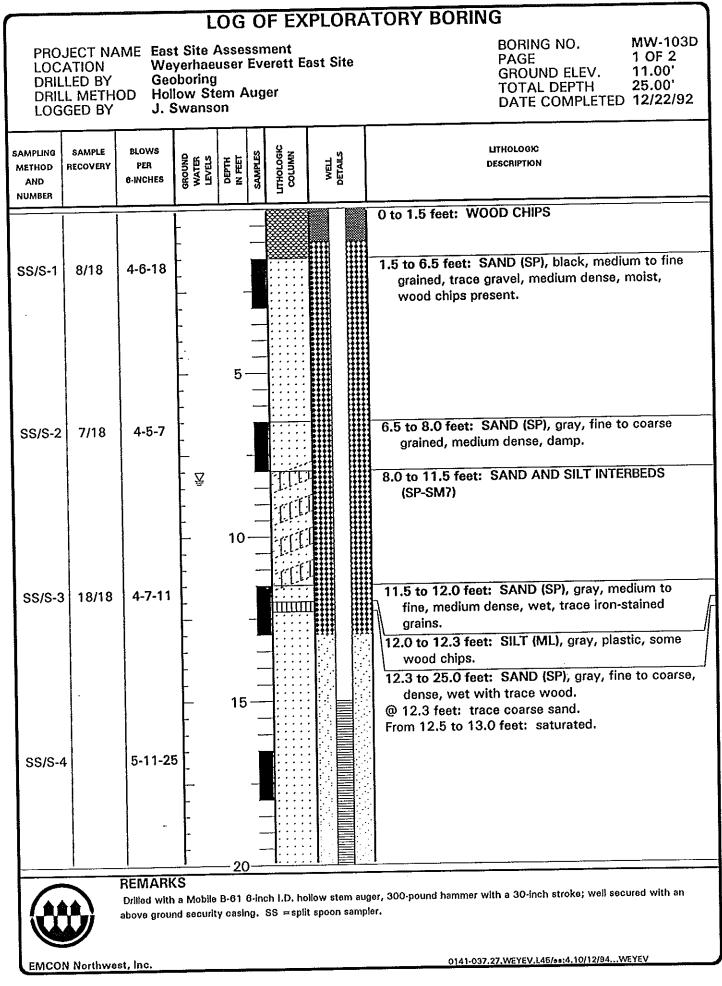
Drilled with a Mobile B-61 6-inch I.D. hollow stem auger, 300-pound hammer with a 30-inch stroke; well secured with an above ground security casing. SS = split spoon sampler.

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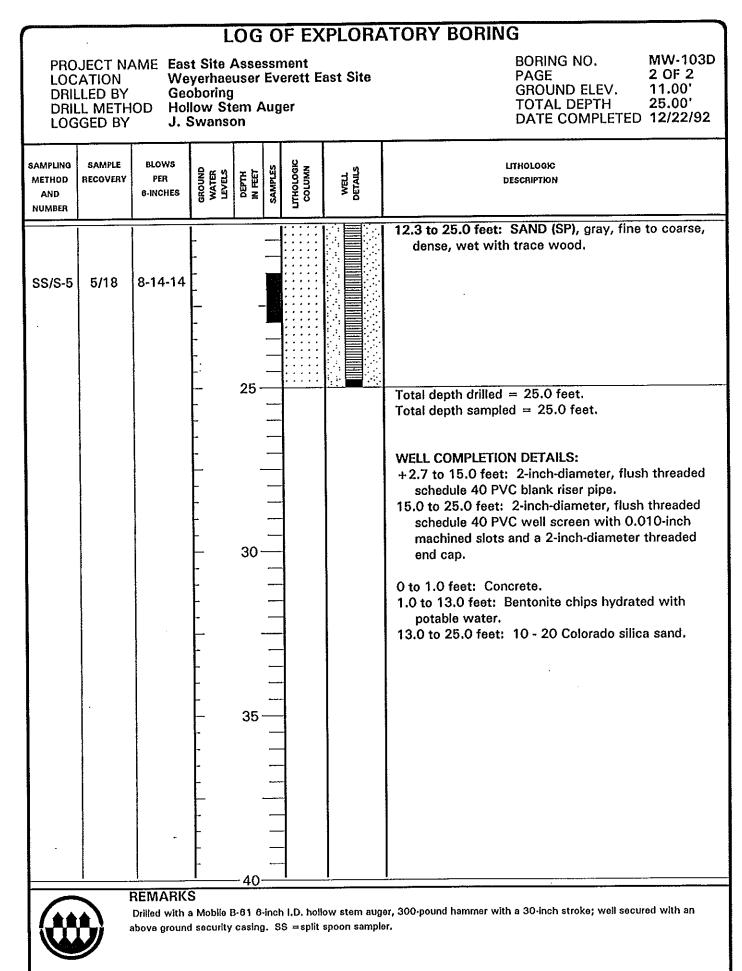
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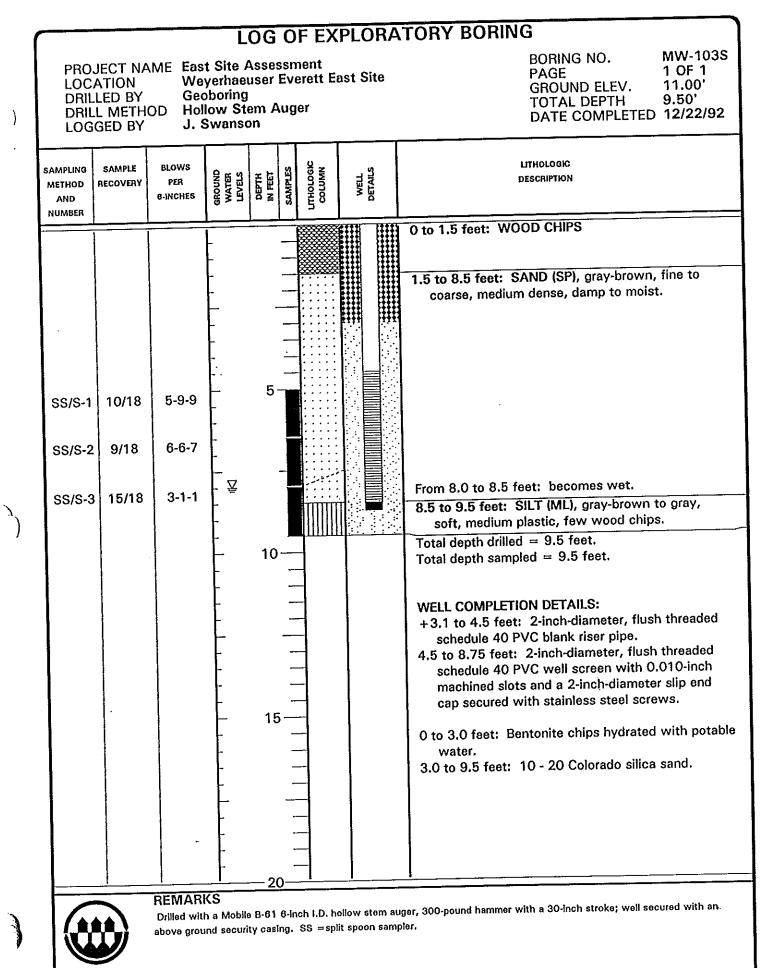
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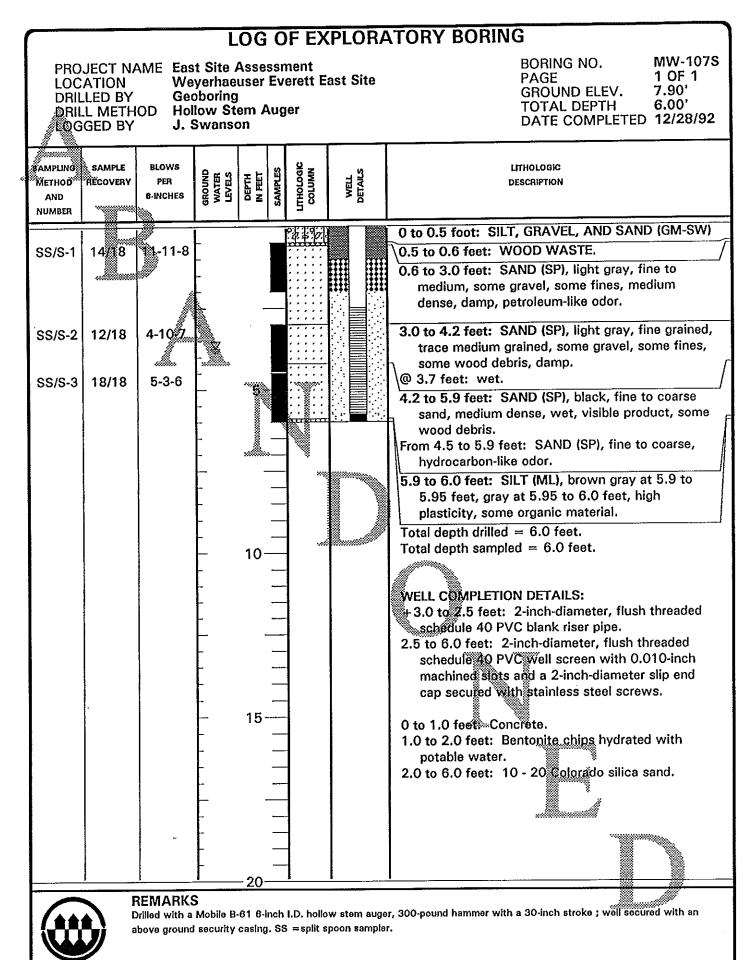
LOC DRIL DRIL	JECT NA ATION LED BY L METH GED BY	Geo OD Hol	yerhae boring	user Ev em Aug	erett E	BORING NO. MW-106S PAGE 1 OF 1 GROUND ELEV. 8.80' TOTAL DEPTH 6.50' DATE COMPLETED 12/28/92	
SAMPLING METHOD AND NUMBER	SAMPLE RECOVERY	BLOWS PER &-INCHES	GROUND WATER LEVELS	DEPTH IN FEET SAMPLES	COLUMN LTTHOLOGIC	WELL Details	LITHOLOGIC DESCRIPTION
SS/MW- 106A- 1292	6/18	5-8-6	-		000000000000000000000000000000000000000		0 to 2.2 feet: SILTY GRAVEL (GM), brown, some wood chips, damp. From 1.3 to 2.0 feet: red bricks, building debris, some light gray ash.
SS/S-2	6/18	4-5-7	- - 又	-	<u><u>¶</u>†<u></u> </u>		From 2.0 to 2.2 feet: brick debris. 2.2 to 6.0 feet: SAND (SP), brown, fine to coarse sand, trace fine gravel, trace fines, loose, moist.
SS/S-3	12/18	5-5-4					@ 3.0 feet: wet. From 4.25 to 6.0 feet: sand becomes gray and wet.
SS/S-4		2-1-1		5			 6.0 to 6.5 feet: SILT (ML), brown, soft, abundant organic material at 6.0 to 6.2 feet, brown-gray, high plasticity at 6.2 to 6.5 feet. Total depth drilled = 6.5 feet. Total depth sampled = 6.5 feet. WELL COMPLETION DETAILS: 0 to 2.5 feet: 2-inch-diameter, flush threaded schedule 40 PVC blank riser pipe. 2.5 to 6.5 feet: 2-inch-diameter, flush threaded schedule 40 PVC well screen with 0.010-inch machined slots and a 2-inch-diameter slip end cap secured with stainless steel screws. 0 to 1.0 feet: Concrete. 1.0 to 2.0 feet: Bentonite chips hydrated with potable water. 2.0 to 6.5 feet: 10 - 20 Colorado silica sand.
		REMARK					

Drilled with a Mobile B-61 6-inch I.D. hollow stem auger, 300-pound nammer with a So-inch stroke, were seen above ground security casing. SS = split spoon sampler. Well secured with a flush-mount security casing.

EMCON Northwest, Inc.

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PROJECT N. LOCATION DRILLED BY DRILL METH LOGGED BY	W Ci IOD He	ast Site A /eyerhaeu ascade D ollow Ste ohn Guer	iser E rilling em Au	verett =: , Inc.	ast Site	BORING NO. MW-107S(2) PAGE 1 OF 1 GROUND ELEV. 7.90' TOTAL DEPTH 10.50' DATE COMPLETED 10/28/94
		GROUND WATER LEVELS	DEPTH IN FEET	SAMPLES LITHOLOGIC COLUMN	WELL	LITHOLOGIC DESCRIPTION
						 0 to 0.5 foot: SILT, GRAVEL, AND SAND (GM-SW) 0.5 to 3.0 feet: SAND (SP), light gray, fine to medium, some gravel, some fines, medium dense, damp, petroleum-like odor. 3.0 to 6.0 feet: SAND (SP), light gray, fine grained, trace medium grained, some gravel, some fines, some wood debris, damp. @ 4.0 feet: wet. 6.0 to 10.5 feet: SILT (ML), brown gray at 5.9 to 5.95 feet, gray at 5.95 to 6.0 feet, high plasticity, some organic material. WELL COMPLETION DETAILS: 0 to 3.0 feet: 2-inch-diameter, flush threaded schedule 40 PVC blank riser pipe. 3.0 to 10.0 feet: 2-inch-diameter, flush threaded schedule 40 PVC well screen with 0.010-inch machined slots and a 2-inch-diameter slip end cap secured with stainless steel screws. 0 to 1.5 feet: Concrete. 1.5 to 2.5 feet: Bentonite chips hydrated with potable water. 2.5 to 10.5 feet: 10 - 20 Colorado silica sand.

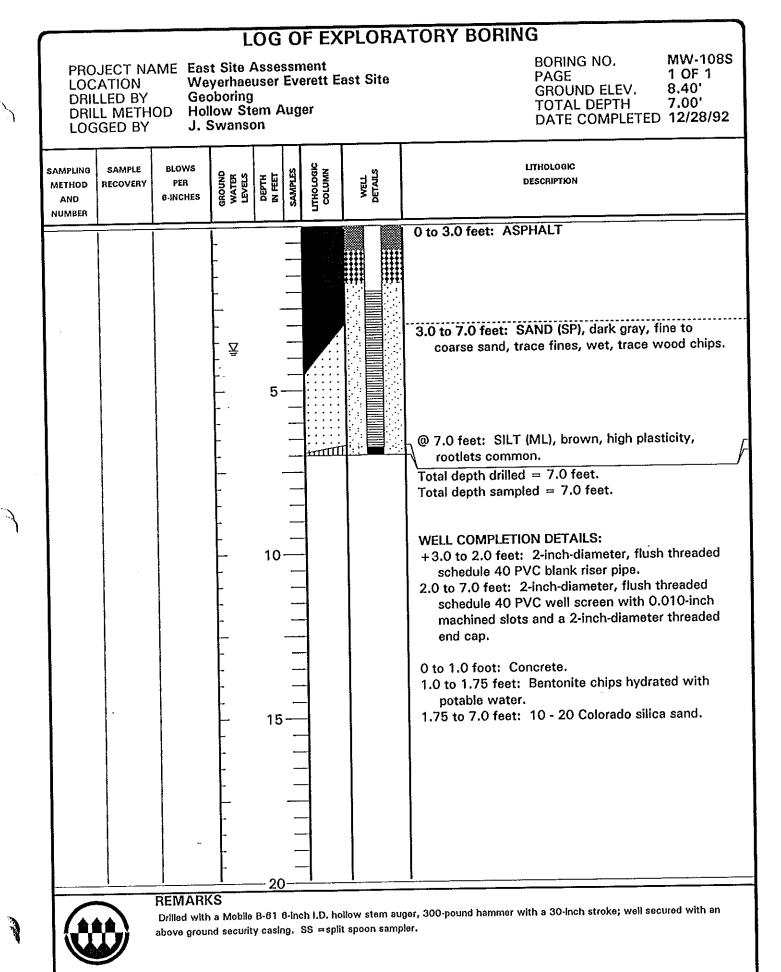


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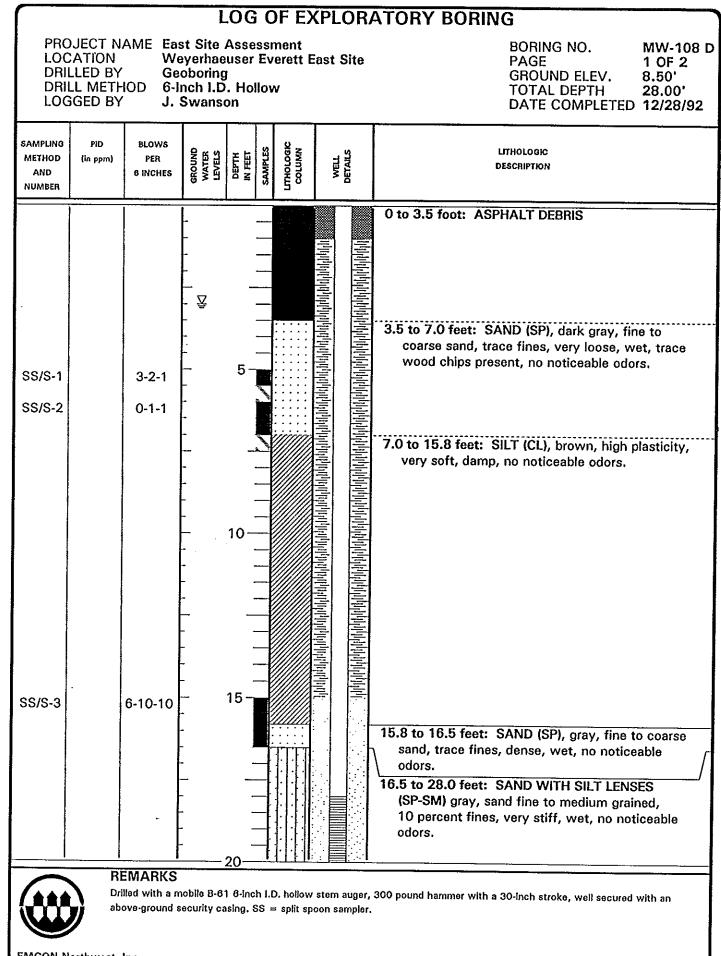
Due to structural damage to the aboveground protective casing, former monitoring well MW-107S was pulled out of the ground and the boring was sealed with hydrated bentonite chips. Replacement monitoring well MW-107S(2) was installed on 10/28/94 as described above. MW-107S(2) was drilled with a Mobile B-61 6-inch I.D. hollow stem auger, 300-pound hammer with a 30-inch stroke and secured with a flush mount traffic rated security casing.

EMCON

0141-037.27 WEY2



0141-037.27.WEYEV.L45/sa:4.10/12/94 ... WEYEV



			L	.0G	0	F EX	(PLORA	ATORY BORING
LOC DRIL DRIL	DJECT NACES DI SUB CATION LLED BY LL METH GED BY	Geo HOD 6-Ir	st Site / eyerhae oboring nch I.D Swanso	euser]). Holi	Eve	erett E	BORING NO. MW-108 D PAGE 2 OF 2 GROUND ELEV. 8.50' TOTAL DEPTH 28.00' DATE COMPLETED 12/28/92	
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6 INCHES	GROUND WATER LEVELS	DEPTH IN FEET	SAMPLES	COLUMIN	WELL Details	Lithologic Description
SS/S-4		7-12-15		25 - - - - - - - - - - - - -				 16.5 to 28.0 feet: SAND WITH SILT LENSES (SP-SM) 21.0 feet: sand becoming finer grained, wet. Total depth drilled = 28.0 feet. Total depth sampled = 21.5 feet. WELL COMPLETION DETAILS: + 3 to 18.0 feet: 2-inch-diameter, flush-threaded, schedule 40 PVC blank riser pipe. 18.0 to 28.0 feet: 2-inch-diameter, flush-threaded, schedule 40 PVC well screen with 0.010-inch machined slots and a 2-inch-diameter threaded end cap. 0 to 1.0 foot: Concrete. 1.0 to 15.0 feet: 10 - 20 Colorado Silica Sand.
		Drilled with a	mobile B				ow stem auge spoon sample	r, 300 pound hammer with a 30-inch stroke, well secured with an r.

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LOC DRIL DRIL	JECT N/ ATION LED BY L METH GED BY	Geo IOD Hol		Asse: user I em A	ssn Evi	nent erett E	ATORY BORING BORING NO. MW-109S PAGE 1 OF 2 GROUND ELEV. 11.50' TOTAL DEPTH 11.00' DATE COMPLETED 12/31/92	
SAMPLING METHOD AND NUMBER	SAMPLE RECOVERY	BLOWS PER 6-INCHES	ground Water Levels	DEPTH IN FEET	SAMPLES	COLUMN	WELL DETAILS	LITHOLOGIC DESCRIPTION
SS/S-1 SS/S-2 SS/S-3 SS/S-4	13/18 14/18 14/18 18/18	20-30-20 6-12-14 4-8-12 2-4-12		5-				 0 to 0.5 foot: CEMENT, slab floor. 0.5 to 5.0 feet: GRAVEL AND SAND (GW). (FOUNDATION FILL) 5.0 to 6.2 feet: SAND, GRAVEL, AND SILT (SW-GM), coarse grained sand with some gravel and silt, very dense, damp. (FILL) From 5.0 to 5.3 feet: brown. From 5.3 to 6.2 feet: gray. 6.2 to 10.8 feet: SAND (SP), dark gray, fine to medium grained, some silt, trace wood chips, moist. From 6.5 to 7.0 feet: sand is green to yellow, dense, wet. From 7.0 to 7.5 feet: trace coarse gravel. From 7.5 to 8.0 feet: sand is green-gray and wet. From 9.5 to 10.0 feet: sand is gray-brown, medium to coarse, trace fine sand, medium dense, wet. From 10.0 to 10.8 feet: dark gray, trace wood chips/rootlets at 10.8 feet, wet. 10.8 to 11.0 feet: SILT (ML), brown, high plasticity, some organic material. Total damb drilled - 11.0 feet
		EMARKS		15				Total depth drilled = 11.0 feet. Total depth sampled = 11.0 feet. See Page 2 for Well Completion Details.



Drilled with a Mobile B-61 6-inch I.D. hollow stem auger, 300-pound hammer with a 30-inch stroke; well secured with an above ground security casing. SS = split spoon sampler. Well secured with a flush-mound security casing.

		······	L	.0G (DF EX	(PLOR/	ATORY BORING
LOC DRI DRI	DJECT NA CATION LLED BY LL METH GGED BY	Ge IOD Ho		user Ev I em Au	verett E	BORING NO.MW-109SPAGE2 OF 2GROUND ELEV.11.50'TOTAL DEPTH11.00'DATE COMPLETED12/31/92	
SAMPLING METHOD AND NUMBER	SAMPLE RECOVERY	BLOWS PER 6-INCHES	ground Water Levels	DEPTH IN FEET SAMPLES	COLUMN	WELL, Detalls	LITHOLOGIC DESCRIPTION
							 WELL COMPLETION DETAILS: 0 to 5.0 feet: 2-inch-diameter, flush threaded schedule 40 PVC blank riser pipe. 5.0 to 11.0 feet: 2-inch-diameter, flush threaded schedule 40 PVC well screen with 0.010-inch machined slots and a 2-inch-diameter threaded end cap. 0 to 1.0 foot: Concrete. 1.0 to 3.0 feet: Bentonite chips hydrated with potable water. 3.0 to 11.0 feet: 10 - 20 Colorado silica sand.
	R	EMARKS					



Drilled with a Mobile B-61 6-inch I.D. hollow stem auger, 300-pound hammer with a 30-inch stroke; well secured with an above ground security casing. SS = split spoon sampler. Well secured with a flush-mound security casing.

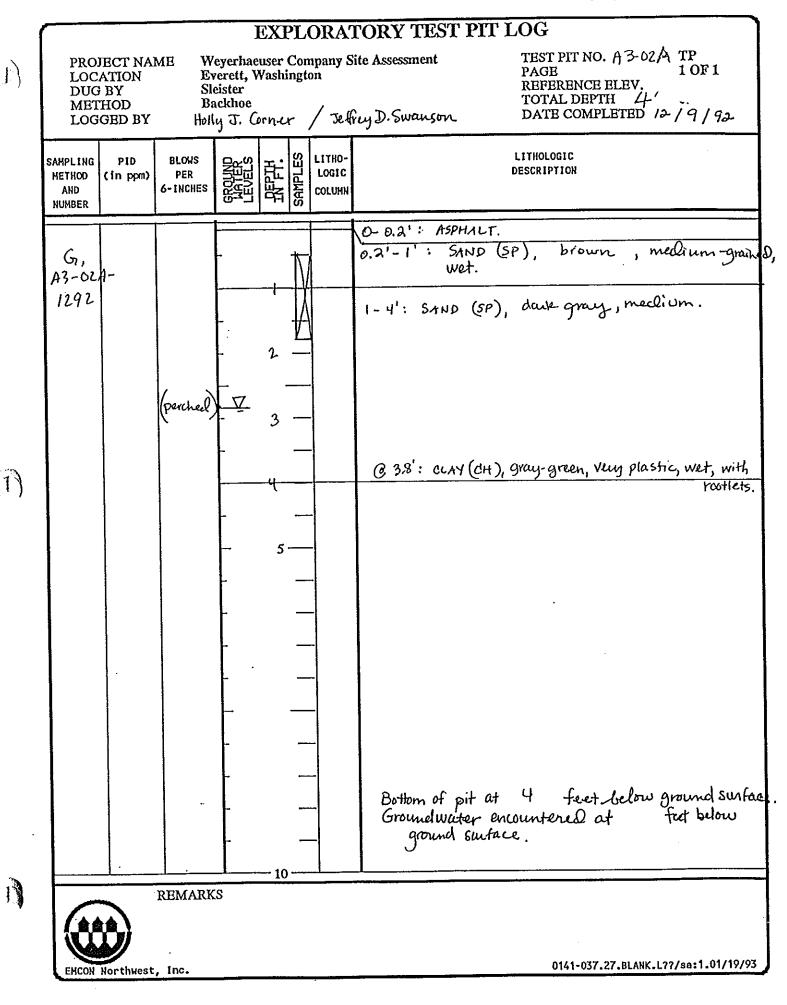
ſ			-	EXPL	ORA'	TORY TEST PIT LOG
LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI B	verett, V eister ackhoe	Vashingt	ton	Site AssessmentTEST PIT NO. A3-01TPPAGE1 OF 1REFERENCE ELEV.TOTAL DEPTHSwanson3'DATE COMPLETED 12/11/92
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND MATER LEVELS	PEPTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
			-		-	0-3': SAND (6P), gray-green, medium Sand, damp. (DREDGE) Q 0.75-1.25': unclulatory horizon stained with iron-oxide.
G, A3-01 -1292			_ <u>\</u>	'	-	@ 0.75 - 1.25': undulatory horizon stained with iron-oxide.
			-	2 —	-	
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			-	_	-	
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			-	5	-	
					-	
			-		-	
					-	
			-		_	
		*	-	<u></u>		Bottom of pit at 3 feet below ground surface
			-		-	Bottom of pit at 3 feet below ground surface Groundwater encountered at 1.25 feet below ground surface.
		<u> </u>	_1	- 10		
		REMARK	S			
EMCON	Northwest	Inc.				0141-037.27.BLANK.L??/sa:1.01/19/93

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(EXPLORA	ATORY TEST PIT LOG
LOCATION E DUG BY S	Veyerhaeuser Company Everett, Washington Ileister Backhoe Ily J. Corner / Je	PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH み
SAMPLING PID BLOWS METHOD (in ppm) PER AND 6-INCHES NUMBER	Colund Co	DESCRIPTION
G, A3-02B- 1292		- O-D.3': GRAVELLY SAND (SP), yellow-brown, Medium. 0.3 - 2.0': SAND (SP), durk gray, medium to coarse. C 1': Wooden planking.
	- 5	
		Bottom of pit at 2' feet below ground surface Groundwater encountered at 2 feet below ground surface.
REMARK	ΔS	
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LOC DUG MET	JECT NA ATION BY HOD GED BY	Ex Sl	verett, V eister	Vashingt	on	ite Assessment TEST PIT NO. A3-02 C TP PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 4 DATE COMPLETED 12/9/92
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	LEVELS LEVELS	INERTH SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
			 _			0-0.75': 1SAND (SP), yellow-brown, medium, Wet.
6 A3-020 - 1292			- - - - -	1	-	0.75- 4.0': SAND (S.P), brown-gray to gray- Green, medium, wet. @ 1.25! wooden planking.
			-	3	-	e 2.75-3.25'; Brown clay with rootlets.
			-	5	-	
			-	-	-	
			- ·		-	
		ŧ	-			Bottom of pit at 4 ² feet below ground surface Groundwater encountered at 2 feet below ground surface.
			-	-	_	ground surface.
	······································	REMARK	KS	<u> </u>		
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]	EXPL	ORA'	TORY TEST PIT LOG
LOC DUG MET	ECT NA ATION BY HOD GED BY	E Sl	verett, V eister ockhoo	Washingt	on	ite Assessment PAGE TEST PIT NO. A3-032 TP PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 1.7 - DATE COMPLETED 12/9/92
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND HATER LEVELS	REPTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
6 A3-03A 1292						D-0.3': Gravelly SAND (SP), yellow-brown, moist. Rare wood chips. D.3-0.9': SAND (SP), gray, medium, moist to wet. Rare wood chips. D.9-1.75': GRAVELL' SAND (SP), dash gray to black, medium, wet. Rare wood chips.
		<u> </u>		<u> </u>		
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(EXPI	ORA	TORY TEST PIT LOG
LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI B	verett, \ eister ackhoe	Nashing	ton	Site Assessment TEST PIT NO. A 3-03B TP PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3.5 DATE COMPLETED 12/9/92
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	PREPERT. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
			-		-	0-1: SILTY SAND (Sw. snyyellow-brown, with few gravels.
G A3-03B -1192				_;	<u>∤</u>	1-2': SAND (SP), meclium. C 1-1.5 yellow-brown. C 1.5-2.0 gray-green.
			-		-	2-3.5': SILT (ML), gray-green.
			-	ч —	-	
			-	5 —	-	
			-			· ·
			- -			
			-	• •• ••••	- -	
			-		_	Bottom of pit at 3.5 feet below ground surfac
		-	-	_	_	Bottom of pit at 3.5 feet below ground surface Groundwater encountered at 2' feet below ground surface.
		<u> </u>	<u> </u>	- 10		L
		REMARKS	3			
EMCON N	orthwest,	Inc.				0141-037.27.BLANK.L??/sa:1.01/19/93

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$\langle \gamma \rangle$	LOC DUG MET	IECT NA ATION BY HOD GED BY	Ex Slo	verett, V eister	Vashingt	on	ite Assessment PAGE TEST PIT NO. A3-03d TP PAGE TOF 1 REFERENCE ELEV. TOTAL DEPTH JATE COMPLETED 12/9/92.
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	CROUND LEVELS	AFFTH. SAMPLES	LITHO- LOGIC COLUHN	LITHOLOGIC DESCRIPTION
							0-0.5': GRAVEUN SAND (5P), Yellow-brown, medium, moist.
	G A3-031 - 1292	2		- - 	1	2	0-0.5': Graveux StND (SP), Yellow-brown, Medium, moist. 0.5-4': SAND (SP), dauk gray-green, medium, Moist. Iron-Oxidized, coarse Sind Stringers @ 1" thick.
				-	2	-	
					3 –		
				 -	- 4	_	
					5 —	-	
				-			
				·			
				F	-		
			•	-	-		Bottom of pit at 4 feet below ground surface Groundwater encountered at 1.5 feet below ground surface.
`~					- 10		giorna surrace.
		~	REMARI	(S		<u> </u>	
							0141-037.27.BLANK.L??/80:1.01/19/93
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LOC DUG MET	ECT NA ATION BY HOD GED BY	Ex Sl	eyerhae verett, V eister	user (Vashi	Con ngto	npany S on	TORY TEST PIT LOGSite AssessmentTEST PIT NO. A 3-03d TP PAGEPAGE1 OF 1 REFERENCE ELEV. TOTAL DEPTHTOTAL DEPTH2 DATE COMPLETEDDATE COMPLETED12/9/92
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	RFFH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
G A3-03 -1292	1			1 -2 -3 -4 -5			D-2': SAND (SP), medium, wet. Trace wood Chips. 3 D-1': medium-gray 0 1-1.25', black 1.25-2': yellow-brown Bottom of pit at 2' feet below ground surface Groundwater encountered at 2 feet below ground surface.
				10)(
		REMAR	KS				0141-037.27.BLANK.L??/88:1.01/19/93

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PROJECT LOCATIO DUG BY METHOD LOGGED	N E Si B	verett, V eister ackhoe	Vashing	ton	ite Assessment TEST PIT NO. A3-04 TP PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 2.5 DATE COMPLETED 12/9/92
SAMPLING PID METHOD (in p AND NUMBER		GROUND	REPTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
G A3-04 -1292		-	י ג ג		0- a.5' SAND (Sp.), medium, moist. Co-0.5': yellow brown Co.5-25': gray-green (DREDGE SAND)
		- ~ - ~ 	3 — — 5 —	-	
	-	- - -			Bottom of pit at 2.5 feet below ground surface Groundwater encountered at 2.5 feet below ground surface.
	REMARK	<u> </u>	- 10		<u>I</u>
EMCOR Northwa					0141-037.27.BLANK.L??/ss:1.01/19/93

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LOC. DUG MET		En Sle	eyerhae verett, V eister	user Cor Vashingt	npany S on	rory D. Swanson. TORY TEST PIT LOG TEST PIT NO. f^{3-05} TP PAGE REFERENCE ELEV. TOTAL DEPTH DATE COMPLETED 12/11/92
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6- INCHES	GROUND LEVELS	AFPTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
G A3-05 -1292		REMARK				Bottom of pit at 4 feet below ground surface Groundwater encountered at 2.25 fed below
	Northwest					0141-037.27.BLANK.L??/s8:1.01/19/93

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EXPLORATORY	TEST	PIT	LOG
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LOC DUC MET	JECT NA ATION BY HOD GED BY	En Sl	verett, V eister	Vashing	ton	ite Assessment PAGE TEST PIT NO. Å 3-06 TP PAGE I OF 1 REFERENCE ELEV. TOTAL DEPTH 2.5 DATE COMPLETED 12/11/92
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	LEVELS MATER MATER	PREFTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	1					0-0.3 : ASPHALT
C			-			0.3-0.75: GRAVEL (GP), gray, fine (FILL)
A3-06 1292				2 -		0.75-2.5': SAND (SP), gray-green, mechum Moist. (DREDGE).
			-	3 -		
			-	- 4 -		
				5 —		
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			- -	-		
			-	_		
			-	-		
			-		-	
		-	-			Bottom of pit at 2.5 feet below ground surface Groundwater encountered at 1.25 feet below
			ŀ	•		ground surface.
				<u> </u>	I	
		REMARI	20			
EHCON	Northwest	. Inc.				0141-037.27.BLANK.L??/sa:1.01/19/93

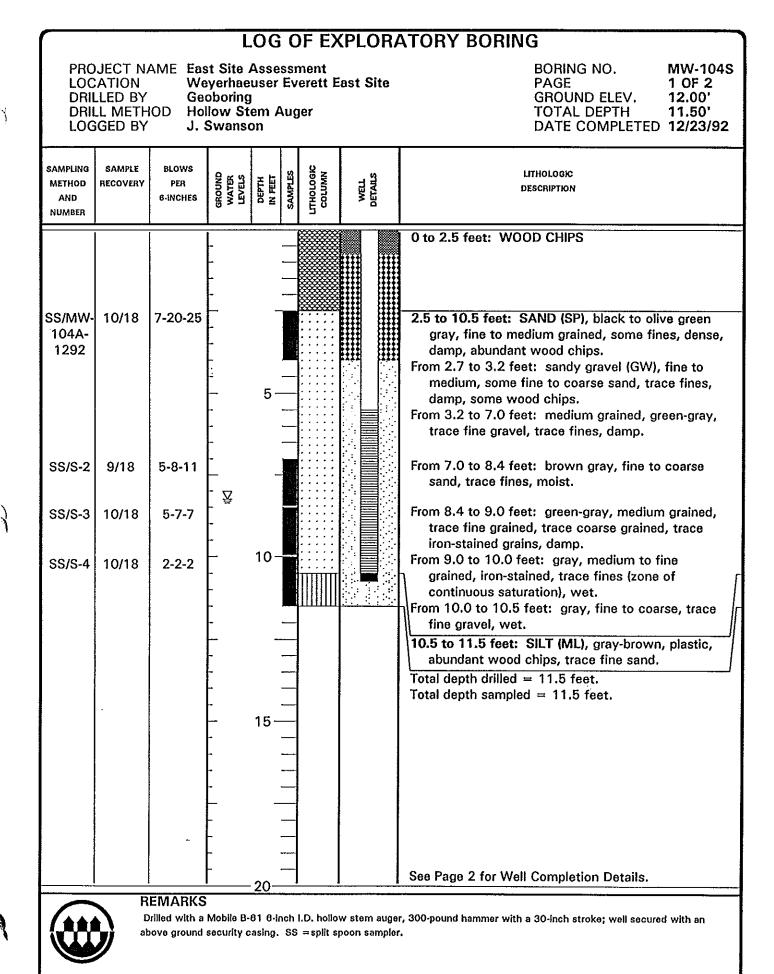
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	LOC DUC MET	JECT NA ATION BY HOD GED BY	Ex Slo Bo	verett, V eister	Vashing	ton	Site Assessment TEST PIT NO. A 3-07ATP PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 5 DATE COMPLETED 12-/9/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	LEVELS LEVELS	DEPTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						 	0-0.5': SAND (SP), brown. Moist.
	.G A3-07, -1292			-	2		0.5-5': SAND (SP) brown, with trace gravel. @ 0.5-2.75': Moist. @ 2.75-5.0': Wet. @ 2.25-3.0': gray-green
2				- <u>7</u> - <u>7</u>	3 	-	
ļ					<u>-</u> 5	-	
				- -	_		
				-	_	-	
			-	-			Bottom of pit at 5 feet below ground surface. Groundwater encounterel at 2.75 feet below ground surface.
		<u> </u>	REMARK	 S	<u> </u>	I	
•	EHCON	Northwest		-			0141-037.27.BLANK.L??/so:1.01/19/93

(EXP	LORA'	FORY TEST PIT LOG
1 .) ()	LOC DUC MET	JECT NA ATION BY HOD GED BY	En Slo Be	verett, V eister	¥ashin	gton	ite Assessment TEST PIT NO. A3-07B TP PAGE I OF 1 REFERENCE ELEV. TOTAL DEPTH 2,75 DATE COMPLETED 12/9/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	RFH.	LITHO- LOGIC COLUMN	LITHOLOGIC Description
	G A3-07' 1292	8-			1 -		0-2.75': SAND (SP), medium; moist to Q.J', with below 2.5.' C 0-0.5': yellow-brown sand with minor gravel. C 0.5-1.25:' yellow brown sand C 1.25-1.75': black to dauk gray sand. C 1.75-2.75': gray-green sand.
				-	3 - - - - - - -		
					-		
13			-	-	10		Bottom of pit at 2.75 feet below ground surfac Groundwater encountered at 2.5 feet below ground surface.
	EHCON	B Northwest,	REMARK	S			0141-037.27.BLANK.L??/58:1.01/19/93

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EMCON Northwest, Inc.

SAMPLING METHOD AND NUMBER	BLOWS PER G-INCHES	LEVELS DEPTH IN FEET SAMPLES	COLUMN	WELL	LITHOLOGIC
	-				DESCRIPTION
					 WELL COMPLETION DETAILS: + 3.0 to 5.5 feet: 2-inch-diameter, flush threaded schedule 40 PVC belank riser pipe. 5.5 to 10.5 feet: 2-inch-diameter, flush threaded schedule 40 PVC well screen with 0.010-inch machined slots and a 2-inch-diameter threaded end cap. 0 to 0.7 foot: Concrete. 0.7 to 4.0 feet: Bentonite chips hydrated with potable water. 4.0 to 10.5 feet: 10 - 20 Colorado silica sand.

EMCON Northwest, Inc.

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LOC DRIL DRIL	JECT NA ATION LED BY L METH GED BY	OD Ho		Asse: user I em A	ssn Eve	nent erett E	ATORY BORING BORING NO. MW-105D PAGE 1 OF 2 GROUND ELEV. 9.70' TOTAL DEPTH 25.00' DATE COMPLETED 12/23/92		
SAMPLING METHOD AND NUMBER	SAMPLE RECOVERY	BLOWS PER 8-INCHES	GROUND WATER LEVELS	Depth In fæet	SAMPLES	COLUMN	WELL DETAILS	LITHOLOGIC DESCRIPTION	
SS/MW- 105D- 1292 SS/S-2	10/18	1-1-3 2-1-1	- - - - - - - - - -				ાંગણાયેલી વધાયાયેલી વધાયો છે. બિલિમિયિવિધિ વિવિધિ વિવિધિ વિવિધિ ક્લિક્સ્ટે કે	0 to 6.0 feet: SAND (SP), brown-gray, fine to medium grained, trace fines, abundant wood chips/roots, trace coarse sand, trace coarse gravel, moist.	
							լունդերերիներիներիներիներիներիներիներիներիներ	 6.0 to 7.1 feet: SAND (SP), green-gray, fine to medium, trace fine gravel, trace fines, soft, damp, abundant wood chips. From 6.5 to 6.6 feet: SILT, brown-gray, high plasticity, abundant wood chips. 7.1 to 12.0 feet: SILT (ML), brown-gray, high plasticity, stiff, damp, abundant wood chips. 	
SS/S-3 SS/S-4	18/18	5-5-8 8-10-9		- - - - 15-				 @ 11.0 feet: silt becomes gray. 12.0 to 17.0 feet: SAND (SP), gray, medium grained to coarse sand, trace fines, medium dense, damp. @ 12.0 feet: wood chip with creosote-like odor (old piling?) From 12.0 to 12.2 feet: iron-stained. 	
00/0-4	10/10		- ⊻ -					 From 16.8 to 16.9 feet: coarse grained sand lens. 17.0 to 17.1 feet: SILT (ML), gray, abundant wood debris, high plasticity. 17.1 to 25.0 feet: SAND (SP), gray, fine to coarse, trace fines, dense, wet. 	
	Ði	ove ground	Mobile B-6	81 8-in			v stem auger oon sampler.	r, 300-pound hammer with a 30-inch stroke; well secured with an • • • • • • • • • • • • • • • • • • •	

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DRILLED BY DRILLED BY DRILL METH LOGGED BY	Geobor	iaeuser l ing Stem Ai	Everett E	BORING NO. MW-105D PAGE 2 OF 2 GROUND ELEV. 9.70' TOTAL DEPTH 25.00' DATE COMPLETED 12/23/92	
SAMPLING SAMPLE METHOD RECOVERY AND NUMBER	BLOWS PER 8-INCHES	LEVELS DEPTH IN FEET	SAMPLES LITHOLOGIC COLUMN	WELL DETAILS	Lithologic Description
SS/S-5 12/18	7-17-25 - - - - - - - - - - - - -				 17.1 to 25.0 feet: SAND (SP), continued. 21.0 feet: increasing fine, decreasing medium sand. From 22.0 to 22.1 feet: SILT, gray, abundant wood debris, high plasticity. Total depth drilled = 25.0 feet. Total depth sampled = 25.0 feet. WELL COMPLETION DETAILS: + 3.25 to 15.0 feet: 2-inch-diameter, flush threaded schedule 40 PVC blank riser pipe. 15.0 to 25.0 feet: 2-inch-diameter, flush threaded schedule 40 PVC well screen with 0.010-inch machined slots and a 2-inch-diameter threaded end cap. 0 to 1.0 foot: Cement. 1.0 to 3.0 feet: Bentonite chips hydrated with potable water. 3.0 to 11.5 feet: 10 - 20 Colorado silica sand.

EMCON Northwest, Inc.

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LOC DRI DRI	JECT NA ATION LLED BY LL METH GED BY	Ge OD Hol	st Site a eyerhae oboring llow St Swanse	user I em A	Ever	BORING NO. MW-1055 PAGE 1 OF 1 GROUND ELEV. 9.40' TOTAL DEPTH 7.50' DATE COMPLETED 12/23/92	
SAMPLING METHOD AND NUMBER	SAMPLE RECOVERY	BLOWS PER 6-INCHES	GROUND WATER LEVELS	DEPTH IN FEET	SAMPLES	COLUMN WELL DETAILS	LITHOLOGIC DESCRIPTION
			- - - - - - - - - - - - -	5-			0 to 7.5 feet: SAND (SP), brown-gray, fine to medium, damp, abundant pipes, plastic, wood, and brick debris.
			- - - - -	10			 Total depth sampled = 7.5 feet. WELL COMPLETION DETAILS: +2.4 to 3.5 feet: 2-inch-diameter, flush threaded schedule 40 PVC blank riser pipe. 3.5 to 7.5 feet: 2-inch-diameter, flush threaded schedule 40 PVC well screen with 0.010-inch machined slots and a 2-inch-diameter slip end cap secured with stainless steel screws. 0 to 1.0 foot: Concrete. 1.0 to 2.0 feet: Bentonite chips hydrated with potable water. 2.0 to 7.5 feet: 10 - 20 Colorado silica sand.



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Drilled with a Mobile B-61 6-inch I.D. hollow stem auger, 300-pound hammer with a 30-inch stroke; well secured with an above ground security casing. SS = split spoon sampler.

EMCON Northwest, Inc.

LOC DUG MET	TECT NA ATION BY HOD GED BY	En Sl	eyerhae verett, V eister	euser (Vashii	Com ngto	ipany S m	TORY TEST PIT LOGite AssessmentTEST PIT NO. /1 3 - 08 TP PAGEite Assessment1 OF 1 REFERENCE ELEV. TOTAL DEPTHTOTAL DEPTH3.5 DATE COMPLETED 12 /9 / 92
SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6- INCHES	GROUND MATER LEVELS	RFFH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
G A3-08 -1292		REMARK		1 2 - 3 4 5 - - 10			0-0.5': DAND (SM) billit gravel and silt, Moist. 0.5-2.75': SAND (SP), medium, Moist. C 0.5-0.75': gray-brown. C 0.75-1.75': dave gray. C 1.75-2.75': gray-green. Bottom of pit at 3.25 feet below ground surface Groundwater encountered at 2.75 feet below ground surface.
	N orthWest	Inc					0141-037.27.BLANK.L??/so:1.01/19/93

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	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	CEVELS LEVELS	BEFTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	.G A3-09 -1292				, 7		0-2': SILT (ML), brown, trace silty sand and gravel.
()	G A3-095 -1292				3	Z Z	2-4': SAND (SP), Gray-opun, medium, Wood chips.
				- - - -	5 	-	
). J			REMARK	- - - - - - S		-	Bottom of pit at 4 feet. below ground surfac Groundwater encountered at - feet below ground surface. [not encountered]
	EMCON	y Northwest	. Inc.				0141-037.27.BLANK.L??/sa:1.01/19/93

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	LOC DUG MET	JECT NA ATION BY HOD GED BY	En Sl	verett, V eister	Vashingt	on	ite Assessment TEST PIT NO. A3-10d TP PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 4.5' DATE COMPLETED 12/11/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	LEVELS LEVELS	REPTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	G			-	. F		0-1': GRAVELLY SAND (SP), gray-green, damp. (FILL)
	A3-107 - 1292			-	2		1-4.5': SXND (SP), medium. 1-2': dark brown-black 2'-4.5': gray-green, with layer of gravelly sand. (DREDGE SAND)
				- 	4	-	• ·
				-	5	-	
				-			Bottom of pit at 4.5 feet below ground surface. Groundwater encountered at y feet below ground surface.
- And	6		REMARK	_ <u> </u> s	10		
	EMCON	Northwest	, Inc.			<u>-</u>	0141-037.27.BLANK.L??/sa:1.01/19/93

LOC DUC MET	JECT NA ATION BY HOD GED BY	Ex Slo Bo	eyerhae verett, V eister	Vashingt	npany S on	te Assessment TEST PIT NO. A3-11 TP PAGE 1 OF 1 REFERENCE BLEV. TOTAL DEPTH 3' DATE COMPLETED 12-11/9:
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOHS PER 6-INCHES	LEVELS GROUND	IN FTH SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
. 6			-			0-0.75': SANDY GRAVEL (GP), greenish- brown, fine. Damp. (FI4)
A3-11 -1292						0.75'-3.0': SIND(SP), medium. CO.75-1.5': black to dark a with few wood chips.
				\mathbb{A}		@ 1.5-1.75': Organic-rick lay with few wood chips.
			-	- <u>5</u>	-	@1.75-3.0': gray-green, wi few fine growels.
			-	Ч —	-	
• •			<u>-</u>	5	_	
			-	_	_	•
				_	_	
					-	
			-		-	Bottom of pit at 3 feet below ground su Groundwater encountered at 3 feet below ground surface.
						ground surface.
		REMARK	S			

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]	EXPL	ORA'	FORY TEST PIT LOG
LOC DUG MET	IECT NA ATION BY HOD GED BY	En Sl	verett, V eister	Vashing	on	ite Assessment TEST PIT NO. A3-12 TP PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 5' DATE COMPLETED 12/15/92
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6- INCHES	LEVELS LEVELS	DEPTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
G 12-12 -1292						0-0.75': SAND (SW-SM) ^{prowith} little gravel, Abundant roots. Damp. @ 0.75': Undulatory horizon of organic-rich, browk, Silty Sand. 0.75-5': SAND(SP), fine to medium. @ 0.75-1.25': Black, with trace fine gravel. @ 1.25-5': Oray green, with horizons of Silty Sand. Bottom of pit at 5 feet below ground surface Groundwater encountered at 3 feet below ground surface.
<u> </u>				<u> </u>	!	
		REMARK	ζS			
EHCON	Northwest	, Inc.	_			0141-037.27.BLANK.L??/sa:1.01/19/93

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	LOC DUG MET	IECT NA ATION BY HOD GED BY	En Sl	verett, V eister	Vashingt	on	ite Assessment PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 425 DATE COMPLETED 1 /21/93
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS LEVELS	PREFIH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
							0-0.41: MSPHALT.
	•				, —		D.Y-1.25': GRAVEL with Silt and day (GM/GC). FILL).
	G A3-13	- 0193			2		1.25-2.75': SAND (SP), medium, with trace Coarse gravel. Cl.25-1.75': yellow-brown. Cl.25-2.25': dark gray. C.2.25-2.75': brown to reddish-brown.
7				<u><u> </u></u>	3 -	 - -	2.75 - 4.25'; SAND (SP), gray-green. (DREDGE SAND).
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7				-	-	-	Bottom of pit at 4.25 feet below ground surfo Groundwater encountered at 3.5 feet below ground surface.
1 A A		<u> </u>			10	_	
			REMARK	S			

)	EXP	LC)RA'	FORY TEST PIT LOG
	LOC DUG MET	JECT NA ATION BY HOD GED BY	En Sl	verett, V eister ockhoa	Yashii	ngto	n	ite Assessment PAGE TEST PIT NO. $A 4-01$ PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3.5 DATE COMPLETED 1/21/93
	SAHPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	CROUND LEVELS	RFFH.	SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC DESCRIPTION
								0-0.4': ASPHALT
				-				0.4-1.25': GRAVEL (GM/GC) with Silt+ day. (FIW).
	G A4-01	- 0193		- ·	2-	X	•	1-25-3.5': SAND (SP), medium & coarse, brown. @1.5': black forizon.
1	•	·		- - -	3			
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				- - -	-			
N. C.				-	- 10 -			Bottom of pit at 3.5 feet below ground surfac Groundwater encountered at 3.5 feet below ground surface.
			REMARKS	3				
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L	ROJEC OCAT UG B		E		user Co	mpany S	TORY TEST PIT LOGSite AssessmentTEST PIT NO. A 4-02- PAGEPAGE1 OF 1 REFERENCE ELEV.
	ETHO OGGE	DD 3D BY	Ba Holl	ickhoe y T. G	orner	/ Jet	rey D. Swanson. DATE COMPLETED 1=./21/93
SAMPLI METHO AND NUMBE	0 (1	PID n ppm)	Blows Per 6-inches	GROUND LEVELS	LIVERTH. SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC DESCRIPTION
						1	0-0.4": XSPHALT.
					 /	-	0.4- 1.5': GRATVEL (GM/GC) with sill + clay. FILL).
				· ·	<u> </u>	/	1.5-3.01: SAND (SP), medium. (DREDGE SAND
6.				-	2	-	1.5-175'! black 1.75-3.0': gray-green.
A4	-67-	0193		-	-#	ł	1.75-3.0': gray-green.
				<u>v</u>	31	<u> </u>	
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				L .	-	_	Bottom of pit at 3 feet below ground surf Groundwater encountered at 3 feet below
				_	-	_	ground surface.
					- 10		
		·I	EMARKS	3	10		
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\mathbf{y}		** ***)	EXI	PL	ORA'	FORY TEST PIT LOG
	LOC DUG MET	JECT NA ATION BY HOD GED BY	Ex Sl	verett, V eister	Vashi	ingto	n	ite Assessment PAGE TEST PIT NO. A4-03 PAGE 1 OF 1 REFERENCE BLEV. TOTAL DEPTH 2.75' DATE COMPLETED 1.7/21/93
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	REF	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	G A4-07	5-0193			1 2 3 4 5-			0-03': ASPHALT. D3-1.0': GRAVEL (GM/GC) With Silt + Clay. (FILL). 1.0-1.75': SAND (SP), Black. 1.75-2.75': SAND (SP), gray. (D2EDGE SAND). C2.75': gray, Silt: (CL).
			REMARKS	5	<u> 10</u>			Bottom of pit at 2.75 feet below ground surface Groundwater encounterel at 275 feet below ground surface.

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]	EXI	6T	ORA'	TORY TEST PIT LOG
LOC DU ME	DJECT NA CATION G BY THOD GGED BY	Ev Sl	verett, V eister	Vashi	ingto)n	ite Assessment PAGE TEST PIT NO. A 4-64 PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 2.75 DATE COMPLETED 1: /21/93
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	CEVELS FROUND LEVELS	REFH.	SAMPLES	LITKO- Logic Coluxin	LITHOLOGIC DESCRIPTION
			l				0-0.3': ASPHALT.
G	, - 0193		-	l	\mathbb{P}		0.3-115": GRAVEL with SAND (GP-SP). (FILL)
Ran			-	2	A		1.5-2.75': SAND (SP), gray-green, medium (DREDGE SAND).
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				7			
			-		<u> </u>		
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			-	5			
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			-		<u> </u>	-	
	.					-	
			-			-	Bottom of pit at 2.75 feet below ground surf Groundwater encountered at 2.5 feet below
			-			-	ground suitace.
	l.		1	- 10		<u> </u>	
		REMARK	S				
	Nacthwest	Inc.					0141-037.27.8LANK.L??/80:1.01/19/9

. (<u> </u>)	EXP	PL(DRA'	FORY TEST PIT LOG
) J	LOC DUG MEI	IECT NAI ATION BY HOD GED BY	En Sle	verett, V eister	Vashir	ngto	n	ite Assessment PAGE 10F1 REFERENCE BLEV. TOTAL DEPTH 2.75 DATE COMPLETED :1./21/93
	SAHPLING HETHOO AND NUHBER	PID (in ppm)	BLOWS PER 6-INCHES	LEVELS LEVELS	-RFP-TH-	SAMPLES	LITHO- LOGIC COLUNK	LITHOLOGIC DESCRIPTION
				[0-0.5': ASPHALT.
	- -				⁻	 		0.5-1.25': GRAVEL (GM/GC) with silt + clay. (FILL)
	G	-019=	d,	-	2	¥	-	1.25-2.5': SAND(SP), Black to brown.
	יין אירט. 			T T	3	\mathbb{A}		2.5-2.75': SXND (SP), gray-green. (DREDGE SXND)
7				-	ý	<u> </u>		
				-	ч			
					5 -		-	
						<u> </u>	-	
			÷	- -			-	
				-			-	
								Bottom of pit at 2.75 feet below ground surface Groundwater encountered at 2.75 feet below
		<u> </u>			10			ground surface.
	ENCOR	Northwest	REMARK	3				0141-037.27.BLANK.L??/88:1.01/19/93

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LOC DUG MET	IECT NA ATION BY HOD GED BY	Ex Sl	eyerhae verett, V eister	euser Vashi	Con ingt	npany S on	IORY TEST PIT LOGVite AssessmentTEST PIT NO. A 4-06PAGE1 0F 1REFERENCE ELEV.1 0F 1TOTAL DEPTH 6'1/21/9.3SwansonDATE COMPLETED
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	LEVELS LEVELS	REFH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
							D-D.4': ASPHALT.
			-	1		•	D.4-2.0: GRAVEL (GM/GC). (FILL) Moist.
G A4-01	5-0193	(guchell)	- - -	- 7	X		2.0-3.0': SAND (SP), Gray. (DREDGE SAND).
		C /	-	7	· <u> </u>	•	30-60': SILT (OL), gray. Moist.
				Ч		•	
				5		-	
			-	ĺa.	<u> </u>	-	
			-				
			-			-	
			F			-	
						-	
			-			-	Bottom of pit at 6 feet below ground surfa Groundwater encountered at 3 feet below ground surface. (perched?)
	<u> </u>		<u> </u>	- 10			(priced e)
		REMARK	S				

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	OJECT NA DEATION JG BY ETHOD DGGED BY	E SI	eyerhad verett, V eister	euser Vashi	Con ingto	ipany S In	IORY TEST PIT LOGSite AssessmentTEST PIT NO. A5-01PAGE1 OF 1PAGE1 OF 1REFERENCE ELEV.TOTAL DEPTH 3.5'Out D. SwansonDATE COMPLETED 12/14/92
SAHPLII METHOL AND NUMBEI) (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	BFFH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
G A5-0	1-1292		-	1	X		0-0,5': AFPHALT. 0.5-1.0': SILTY GRAVEL (GM), blue-gray, Ovulain in places by 0.5-1" Styer of wood chips. 1.0-1.75': SAND (SP), black, fine to med- ium, with few gravels and nodules of ownge-brown clay-rich source.
			- <u>7</u> -	3			1.75-3.5': StND(SP), gray-green, medium, with lenses of gravely sand (DREDGE SAND)
		·		5			•
			-			-	Bottom of pit at 3.5 feet below ground surface
		REMARK	s	- 10		-	Bottom of pit at 3.5 feet below ground surface Groundwater encountered at 2.75 feet below ground surface.
	H Horthkes	t Inc					0141-037_27.81 ANK_1 22/48+1_01/10/03

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DUG METI		En Slo Po	verett, V eister	Vashin	gton	ite Assessment PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3' DATE COMPLETED 12/14/92
SAMPLING HETHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	LEVELS MATER LEVELS	REFT.	COLUMN	LITHOLOGIC Description
G A5-01.	- 1292		-	1		0-0.75': ASPHALT. 0.75-1.25': SAND + GRAVEL (SPIGP), (FILL) @ 0.75-0.9': gray. @ 0.9-1.25': dave brown to black. 1.25-3.0': SAND (SP), Gray. green, medium LDEEDGE SAND).
			-			
				5-	 	
						Bottom of pit at 3 feet below ground surf Groundwater encountered at 3 feet below
		REMARK	- 	- 10 -		ground surface.

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				-	EXI	PL(ORA'	TORY TEST PIT LOG
,	LOC DUC MEI	JECT NA ATION BY HOD GED BY	En SI Be	verett, 1 eister ockhoe	Vashi	ngt	on	Site Assessment PAGE TEST PIT NO. A 5-03 PAGE REFERENCE BLEV. TOTAL DEPTH 3.5 DATE COMPLETED 12/16/92
	SAMPLING HETHOD AND NUHBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	RFFH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
		· · · · · · · · · · · · · · · · · · ·		-				D-1.0': ASPHALT.
	1			Π	_/			1.0-1.5': GRAVEL (GP-GM) with Sand. (FILL)
	G A5-07	p- 1292	*	-	2,	X		1.5- 3.5': SAND (SP) gray-green, medium (DREDGE SAND).
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				-				±4*•
				-				Bottom of pit at 3.5 feet below ground surface Groundwater encountered at 1.5 feet below
								ground surface.
<u>з</u>			EMARKS	· · · · · · · · · · · · · · · · · · ·	- 10 -	m		· · · · · · · · · · · · · · · · · · ·
1	ENCON N	orthwest,	Inc.					0141-037.27.BLANK_L77/RAt1.01/10/03

,	<u> </u>	. <u></u>			EXI	<u>P</u> L	ORA'	TORY TEST PIT LOG
)	LOC DUG MBI	DIECT NA CATION 3 BY FHOD 5GED BY	Et Sle	verett, V leister	Washi	ingto	ton	Site Assessment PAGE REFERENCE BLEV. TOTAL DEPTH 2' DATE COMPLETED 1.1/21/93
	SAMPLING HETHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	RFH.	SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC Description
								0-0.5': ORGANNE-DEBRIST grass, roots.
	G A5-01	4-0193	>	-				0.5-20': SAND (SP), medium, some Coarse, with trace fine.
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				- ·			-	
				-		<u> </u>	_	
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				- F	ı		-	Bottom of pit at 2' feet below ground surface Groundwater encountered at 2 feet below
j.				-		-	-	Groundwater encountered at 2 fect below ground surface.
1	·	<u> </u>		_ <u></u>	<u> </u>			
		2	REMARK	.S				
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ſ]	EXI	P L	ORA'	TORY TEST PIT LOG
	LOC DUG MET	IECT NA ATION BY HOD GED BY	En Sl	verett, V eister	Vashi	ingt	on	ite Assessment PAGE TEST PIT NO. A5-05 PAGE TOF 1 REFERENCE BLEV. TOTAL DEPTH 5.5 DATE COMPLETED 1/21/93
	SAMPLING HETHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	CROUND LEVELS	REFH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
F								0-0.4': ASPHALT.
								8.4- 1.1': GRAVEL (GM), moist. (FILL)
	G A 5-0	o\$1-014	3	- -	2		·	1.1-4.25: SAND (SP), gray-green, medium to coarse. Coarse sand fraction increases downward. Moist to 3.75', wet below 3.75'. (DREDGE SIND).
				-	ર ન			·
	G A5-0	95°B-C	193	-	5.	X		4.25-5.5': SANDY SILT (ML), gray, wet.
				-	6		-	
				-			-	
	•			-	4.5			Bottom of pit at 5.5 feet below ground surface Groundwater encountered at 4.25 feet below ground surface.
'			REMARK	S	- 10			
	EHCON	b forthwest,						0141-037.27.BLANK_L?7/80:1.01/19/93

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(j	EXI	PT6	ORA'	FORY TEST PIT LOG
LOC DUC MET	JECT NA ATION BY HOD GED BY	Ex Sl	verett, V eister	Vashi	ingto	n	ite Assessment PAGE 10F1 REFERENCE BLEV. TOTAL DEPTH 3.75 DATE COMPLETED 1/21/93
SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	LEVELS MATER LEVELS	REFH	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
			[0-0.75': CONLRETE.
			-				
				-	_		0.75-1.25': GRAVEL (GM). (FILL)
G7 145-0	6-0193		-	2 3			1.25-3.75': SAND (SP), Gray-green, medium, with some coarse. Coarse Fraction increases down- Ward (DREDGE SAND). @ 1.25-1.5': daik gray.
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			-			-	Bottom of pit at 3.75 feet below ground surface Groundwater encountered at 3.5 feet below
			ŀ			-	ground surface.
<u>ار</u>	<u> </u>	<u> </u>		- 10			
		REMARK	S				

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· .	LOC DUG MET	JECT NA ATION BY HOD GED BY	Ev Sl Br	'eyerhad verett, V eister	euser Washi	Cor ingt	npany S on	TORY TEST PIT LOGSite AssessmentTEST PIT NO. $hS-7$ PAGE1 OF 1REFERENCE BLEV.1 OF 1REFERENCE BLEV.TOTAL DEPTH 4'TOTAL DEPTH 4'DATE COMPLETED $\frac{1}{1} - \frac{1}{21} - \frac{9}{23}$
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS LEVELS		SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC DESCRIPTION
				-	l			0-0.5': ASPHALT. 0.5-1.3': GRAVEL (GM). (FILL).
	G A5-6	7-0193		- 2-	2-		•	1.3-2.0': SAND (SP), dark gray. 2.0-4.0': SAND (SP), brown, medium,
, N				- - - - - - - - - - - - - - - - - - -	3	<u> </u>		Some Coarse, trace fine. (DREDGE SAND)/
				- 5				
				-	•			· · ·
cod -				-				Bottom of pit at 4 feet below ground surfa Groundwater encountered at 3.5 feet below ground surface.
, yan			I . REMARKS	<u> </u> ;	<u>- 10 -</u>		<u> </u>	<u></u>

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5	<u> </u>				EXPL	'ORA	TORY TEST PIT LOG
	LOC DUG MET	JECT NA ATION BY THOD GED BY	Ex Slo Bo	verett, V leister	Washingt	ton	Site Assessment FAGE FAGE TOTAL DEPTH 2.5' Frey D. Swanson TOTAL COMPLETED 12/11/92
	SAMPLING HETHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS		LITHO- LOGIC COLUMN	LITHOLOGIC Description
			/				0-0.25' ! ASPHALT.
	G			-	, H		0.25- 0.5': GRAVELLY SILT (GP/ML), brown-gray, with wood planks.
	A5-0	8a-129	Э	-7	2 -		0.5-2.8': SAND (SP), gray-green, medium, With black horizons. (DREDGE SAND)
	·			-	· · · ·	-	@ 2.7': Wood.
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				-	<u></u>	_	
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					-		Bottom of pit at 2.8 feet below ground surface Groundwater encountered at 2.75 feet below
Ĵ				F	<u></u> :		ground surface.
		<u>.</u>	REMARK	_ <u></u>	<u> </u>		
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	CUCOIL I	HARPPLIARE	* m.a.				01/1-037 27 RIANY 122/06+1 01/10/03

1	(-		EX	PL	ORA'	TORY TEST PIT LOG
	LOC DUG MEI	JECT NA ATION BY HOD GED BY	Ev SI Ba	verett, N eister ockhao	Washi	ingt	on	Site Assessment PAGE PAGE TEST PIT NO. A5-08b PAGE TOF 1 REFERENCE BLEV. TOTAL DEPTH 2.2' PAGE TOTAL DEPTH 2.2' DATE COMPLETED 12/11/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	LEVELS LEVELS	RFH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
		· ·	-	-				0-0.7' ! ASPHALT.
	G7 A5-08	36-19	92		(2	₹ X		Dit - 1.0': SthD(SP), gray-green, medium. (DREDGE SIND). C 1.0-1.25': black.
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				-	5 -	<u> </u>		
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			•	- -	-			
			-	-				
1				- - -				Bottom of pit at 2.2 feet below ground surfac Groundwater encountered at 1.75 feet below ground surface.
•			LEMARKS	•	<u>- 10 -</u>			01/1-037 27 RI ANK 122/00+1 01/10/07

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]	EXI	PLO	RA	TORY TEST PIT LOG
)	LOC DUG MET	IECT NA ATION BY HOD GED BY	En Sl	verett, V eister	Vashi	ngton	ı	ite Assessment PAGE TEST PIT NO. A 5-9 PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3.75 DATE COMPLETED +1/20/93
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS LEVELS	RFH.	SAMPLES	.1THO- LOGIC XOLUHN	LITHOLOGIC DESCRIPTION
				-				0-0.6': ASPHALT.
			÷		(0.6 - 1.25': GRAVEL (GM). (FILL).
() ()	G A5-0	9- D19	3	-	2 3,		•	1.25-3.75': SAND(SP), medium, with lenses of coarse sand and gravel and denses of fine Sand. Coarse Fraction incluses to 70% at base:
ų				-	Ч			
				-	-			
					5-			
				-		_		•
				-				
				·				
					-			
								Bottom of pit at 3.75 feet below ground surface. Groundwater encountered at 3.75 feet below ground surface.
7					- 10 -			
1		· · · ·	REMARKS	5				
								04/4 077 07 81 402 108 1 4 04 140 107
	FHCON N	orthuest,	Inc.					0141-037.27.BLAHK.L??/sa:1.01/19/93

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					EXI	PL	ORA	TORY TEST PIT LOG
	LOC DUC MEI	JECT NA ATION BY HOD GED BY	En Sl Br	verett, \ eister ockhoe	Washi	ingt	on	Site Assessment PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3' DATE COMPLETED 12/11/92
	SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	LEVELS GROUND	RFFH.	SAMPLES	LITHO- LOGIC COLUXIN	LITHOLOGIC Description
								0-0.41: BRAVELUI SAND (GP/SP), medium sand.
								0.4-0.5': SAND (SP), blacky medium.
				- '.	1	_	•	
	G	-				∇		0.5-3.0': SAND (EP), gray-green, medium, with intumittant thorizons, of the gray, medium sand,
		1292		-	2	Å		and group, meaning server,
	a •	•			-			
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					-			
				-				
				ŀ		<u> </u>		
				-				Bottom of pit at 3 feet below ground surface. Groundwater encountered at 2,3 feet below
>				\mathbf{F}		—		ground surface.
1			<u> </u>	<u> </u>	- 10 -			
		·F	EMARKS					•
·	ENCON N	orthwest.	Inc.					0161-037 27 BLAUK 122/001 01/10/07

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LOCATION Everet, Washington DUG BY Siester METHOD Backhoe LOGGED BY Holly J. Concr / Jehry D. Swanson DATE COMPLETED 10/14/1/92 SAMELING AUG AUG AUG AUG AUG AUG AUG AU	PROT							FORY TEST PIT LOG
6 A 5-11-1292 - 1 A 5-11-1292 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	LOCA DUG I METH	TION BY IOD	E Sl B	verett, 1 eister ackhoe	Washi	ingto	m	PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 2.75
6 A5-11-1292 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	HETHOD (AND		PER	CROUND LEVELS	RFFH.	SAMPLES	LOGIC	
		-1292			-			Bottom of pit at 2.75 feet below ground surface Grounelwater encountered at 2.5 feet below

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	LOC DUG MET	JECT NA ATION BY HOD GED BY	Ev Sl	eyerhae verett, V eister	zuser Washi	Com ngto	ipany S m	TORY TEST PIT LOGFORMERTEST PIT NO. AS-11PAGE1 OF 1PAGE1 OF 1REFERENCE ELEV.10TAL DEPTHTOTAL DEPTH3.5DATE COMPLETED12/11/92
	SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	EVELS LEVELS	REFTH.	SHMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
	no samplo taken.	-		-	1			O-0.25': StND (SP), mechum. @ 0-0.25': organic-rich. @ 0.25-2.5': gray-green, with layers of black Sand. (DREDGE SAND).
ý				-	3			
Julie -		· · · · · ·	REMARKS		- 10 -			Bottom of pit at 2.5 feet below ground surface Groundwater encountered at 1.5 feet below ground surface.
	EHCOH H	orthwest,	Inc.					0141-037.27.BLANK.L77/80:1.01/19/93

Γ]	EXJ	PL	ORA'	FORY TEST PIT LOG
	LOC. DUG MET		E SI B	verett, V eister ockhoe	Vashi	ingt	Dn	ite Assessment PAGE TEST PIT NO. A5-12 PAGE REFERENCE ELEV. TOTAL DEPTH 3' DATE COMPLETED 12-114/92
Ke	PLING THOO AND MBER	PID (in ppm)	BLOWS PER 6-INCHES	CEVELS LEVELS	RFFH.	SAMPLES	LITHO- LOGIC COLUXX	LITHOLOGIC Description
A:	5-12	- 1292			1 2 3 4 5			O-1.1': SAND (SP), fine to medium, with Coarse Sand. O-0.2': tan to brown, Silty. O.2-1.1': brown-gray. 1.1-3.0': SAND (SP), medium, gray- green, with some Coarse sand (DREDGE SAND). Bottom of pit at 2 feet below ground surface Grounelwater encountered at 2.75 feet below ground source.
			REMARK	S	<u> — 10 ·</u>			

-]	EXPL	ORA	TORY TEST PIT LOG
	LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI B	verett, V eister	Vashing	ion	Site Assessment PAGE TEST PIT NO. $\frac{\overline{ORMER}}{A5-12}$ 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 4.5' Fry D. Swanson DATE COMPLETED 12-/11/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND HATER LEVELS	PEPTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
?	ho Sample taken.			- <u>-</u> - - -	1 2 3 4		0-0.5': SAND (SP), medium, black, With lenses of gravel. 0.5-4.5: SAND (SP), gray-green, medium. (DREDGE SAND);
					5		Bottom of pit at 4.5 feet below ground surface Groundwater encountered at ? Feet below ground surface.
Y	 	<u>l ·</u>		I	- 10	<u> </u>	l
		or thwest,	REMARKS				0141-037.27.BLANK.L77/80:1.01/19/93

ĺ	(•	EXI	PL(ORA	TORY TEST PIT LOG
N	LOC DUC MET	JECT NA ATION BY THOD GED BY	E SI B:	verett, V eister ackhoe	Vashi	ingto	'n	Site Assessment PAGE 10F1 REFERENCE ELEV. TOTAL DEPTH 6' DATE COMPLETED 12/11/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	REFH	L L	LITKO- LOGIC COLUNN	LITHOLOGIC Description
	÷			-	1			0-1.75': SAND + GRAVEL (SP/GP), brown. Gray to black, boarse sand and fine gravel. (FILL).
	G. A5-13	- 1292			2	X —		1.75-2.0': SAND (SP), black, medium, With few gravels. 2.0-6.0': SAND (SP), gray-green, medium. (DRED GE SAND).
				-	ч. ч.			@ 2.0": reddish brown hoùzon.
					5-			
				-				
				-	-			Bottom of pit at 6 feet below ground surface. Groundwater encountered at 3 feet below ground surface.
3		•	l	<u> </u>	10 —		<u> </u>	
	EHCON No	R) rthwest, 1	EMARKS					0141-037.27.BLANK.L?7/80:1.01/19/93

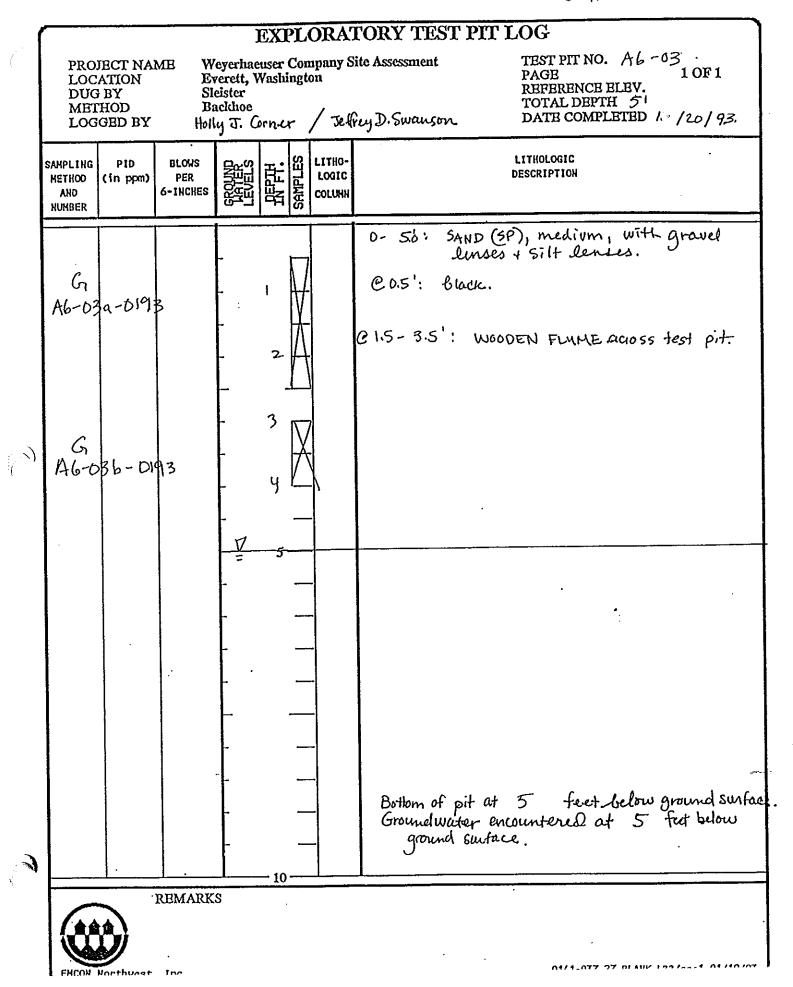
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					EXF	PLOI	RA	TORY TEST PIT LOG
)	LOC DUC MEI	JECT NA ATION BY HOD GED BY	Ev Sl Br	verett, 1 eister ackhoe	Washi	ngton		Site Assessment TEST PIT NO. Ab-Ol PAGE TOF 1 REFERENCE BLEV. TOTAL DEPTH 3' DATE COMPLETED 12/14/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCKES	GROUND LEVELS	RFH.	SAMPLES	THO- Xgic Luxin	LITHOLOGIC Description
								D-0.3 ! ASPHALT.
	G A6-01-	1297-		- - -	۱	¥-		0.3'-0.75': GRAVEL with silt (GM), brown. (FILL) 0.75-2.0': SAND (3P), brown-black, modium, With 5-10.% grovel.
		•		-				2.0-3.0': SAND (SP), gray-green, medium. (DREDGE SAND):
9	. **				ч ч 5-			
				- - -				
				-				Bottom of pit at 3 feet below ground surface Groundwater encountered at 1.5 feet below ground surface.
1997 1997			EMARKS	L	- 10	<u> </u>		
	L EHCON N	orthwest,	Inc.					0141-037_27_BLANK_L22748+1_01/10/0

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. :					EXPL	JORA	TORY TEST PIT LOG
	LOC DUC MET	DIECT NA CATION 3 BY THOD GGED BY	E SI B	verett, ` leister ackhoe	Washing	ton	Site Assessment PAGE TEST PIT NO. $AG-O \rightarrow PAGE$ PAGE TOF 1 REFERENCE BLEV. TOTAL DEPTH 2.25' DATE COMPLETED 12/14/92
	SAHPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS LEVELS	HEPTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
							0-0.1 : ASPHALT:
-	G					, 	0.1-0.5': SILTY GRAVEL (GM), green-gray (FILL)
	H002	2-1292		-	<u>, X</u>		0.5-1.25': SAND (SP), black, medium, with
							gravel.
				7	2 —		1.25-2.25': SAND(SP), green-gray, madium (DREDGE SAND)
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				-	3 —		
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			1	•			
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							Bottom of pit at 2.25 feet below ground surface Groundwater encountered at 1.75 feet below ground surface.
			ŀ				ground butace.
X		·	l		10		
	\frown	· RE	MARKS		•		······································
L	ENCON Nor	thuest, I	ю.				04/4 077 07 84 494 4 66 4 4 6 4 4 6 6 6

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	/]	EXPI	LORA'	TORY TEST PIT LOG
:{	LOC. DUG MET	ECT NA ATION BY HOD GED BY	En	verett, V eister	Yashin	gton	Site Assessment PAGE reference elev. TOTAL DEPTH 6 DATE COMPLETED 1/21/93
	SAMPLING METHOD ANO NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND WATER LEVELS	DEPTH. IN FTH.	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	-				- 1 -		0-2.0': WOOD CHIPS.
	G 46-0	5 - 019	7		3-		2.0-3.5': JAND (SP), Black, with wood debris. 3.5-6.0': SAND (SP), gray-green, medium trace gravel. (DEEDGE SAND).
					5 — ;		•
					-		Bottom of oit at 6 feet below ground surface
			REMARK	- · ·	10		Bottom of pit at 6 feet below ground surface Groundwater encountered at 5.75 feet below ground surface.

LOC DUC ME	DIECT NA CATION 3 BY THOD 3GED BY	En Sl	eyerhae verett, V eister	user (Vashi	Compa ington	any S	TORY TEST PIT LOGSite AssessmentTEST PIT NO. A6-7PAGE1 OF 1REFERENCE BLEV.1TOTAL DEPTH4.25DATE COMPLETED12/15/92
SAMPLING HETHOO AND HUMBER	PID (in ppm)	BLOUS PER 6-INCHES	CROUND LEVELS	RFFH.	깂	THO- OGIC XLUMN	LITHOLOGIC DESCRIPTION
G. A.6-0	57-1292			1 2 3 4 5			0-25': WOOD CHIPS. Wet. 25-3.0': SILTY GRAVEL (GM), green-gray (FILL). Wet. 3.0-4.25': 15AND (SP-50) Blueish-gray, wet.
	Northwest	REMARK	S	— 10			Bottom of pit at 4.25 feet below ground surface Groundwater encountered at 4.25 feet below ground surface.

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					EXI	PL	ORA'	TORY TEST PIT LOG
	LOC DUC MEI	DECT NA ATION BY HOD GED BY	En SI Br	verett, V eister	Vashi	ingto	on	Site Assessment TEST PIT NO. A6-08 PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3.3' DATE COMPLETED 12-/15/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND MALER LEVELS	RFH.	SAMPLES	LITHO- LOGIC COLUHN	LITHOLOGIC Description
								0-2.0': WOOD CHIPS.
					ι			
	G	•			-2	\overline{N}		2.0-2.5: SAND (SP), dark-gray.
	A6-0	8-129	9-	-	3	Ķ		2.5-3.3': SAND(SP), gray-green. (DREDGE SAND).
)				7	y			
					7			
				-	5.			
	e.			-		<u></u>		
				- -		<u> </u>	• •	
				-			-	
				-			-	Bottom of pit at 3.3 feet below ground surface
3				-		. <u> </u>	-	Bottom of pit at 3.3 feet below ground surface Groundwater encountered at 3.3 feet below ground surface
1		<u> .</u>		<u> </u>	- 10	<u></u>		
			REMARK	S				
	EHCON N	Inthunst	Inc					· · · ·

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	3 BY THOD SGED BY	SI	verett, V eister	Yashir	ngton	Site Assessment Efrey D. Swanson	TEST PIT NO. A $6 - 09$ PAGE 1 OF 1 REFERENCE BLEV. TOTAL DEPTH $4'$ DATE COMPLETED $12/15/92$
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6- INCHES	LEVELS LEVELS	REFH.	SAMPLES	C	LITHOLOGIC DESCRIPTION
						0-1.5': WOO	D CHIPS.
			- - -	I ·			
					Λ	1.5- 1.75': 5	ILTY GRAVEL (GM), gray.
G, A6-0	9-129z			2 -	¥ A	-	SAND (SP), Gray-green, liven to Coarse. (DREDGE SAND). 5; damp. Below 3.25, wet.
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			-				
			-		_		
			-			Bottom of pit Groundwater	at 4 feet below ground surf encountered at 3.25 feet below stace.
			-			ground su	stace.
ا	•	<u> </u>		<u> </u>	<u> </u>		
		REMARK	S				

			•	-	EXP	LORA	TORY TEST PIT LOG
)	LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI Ba	verett, V eister ackhoe	Washin;	gton	Site Assessment PAGE TEST PIT NO. AG-10 PAGE 1 OF 1 REFERENCE BLEV. TOTAL DEPTH 6.5 DATE COMPLETED 11/21/93
	SAMPLING METHOO AND NUMBER	PID (în ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	ERFETH.	COLUMN	LITHOLOGIC DESCRIPTION
				-	1 _	_	0-2.0' . WGOD CHIPS.
in	G A:6-11	2-0193		-	3 -		2.0-4.0': DEBRIS; lumber, Sheef metal, pipes, ash, bricks. Tan to black Soils with debris.
				-	5 		4.0- 6.5': SAND(SP), Gray-green, medium, will trace coarse sand, trace fine sand. C 4.0': black sand lense.
				~		-	
تعلينه							Bottom of pit at 6.5 feet below ground surface Groundwater encountered at 6.25 feet below ground surface.
	EHCOH HC	·R	EMARKS				0141-037.27.BLANK.L77/80:1.01/10/03

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		·]	EXPL	ORA'	TORY TEST PIT LOG
	LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI R	verett, V eister ackhoe	Vashingt	on	Site Assessment PAGE REFERENCE ELEV. TOTAL DEPTH 3 DATE COMPLETED 12/17/92
	SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS LEVELS	IN FTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
. :							0-2.0': DEBRIS; pipes, metal, wood, timbers, Woodchips, roots.
	G				I		
		2-1292-			2		2.0-3.0': SAND (SW), with gravel and trace fines.
1				- A	- 3		• •.
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			•		5	•	
				-	<u> </u>	-	
				-		-	
				-		-	
				-	: 	-	Bottom of pit at 3 feet below ground surface Groundwater encountered at feet below ground surface. (not encountered).
		· · · · · · · · · · · · · · · · · · ·	REMARKS];	- 10		· · · · · · · · · · · · · · · · · · ·
	ENCON N	orthwest,	Inc.				N\$61-N37 27 NFANK F22/ma+1 01/10/07

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γ]	EXP	LORA	TORY TEST PIT LOG
·)	LOC DUG MET	IECT NA ATION BY HOD GED BY	E Sl B	verett, V eister ockhoe	Yashin	igton	Site Assessment PAGE PAGE TEST PIT NO. A7-16 PAGE I OF 1 REFERENCE ELEV. TOTAL DEPTH 2' DATE COMPLETED 12-/17/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	CROUND LEVELS	REPTH.		DESCRIPTION
							0-0.3': Wood DEBRIS; roots.
	G A7-11	D-1992	-	- - -	1	X	0.3-7.0': SAND(SP), medium.gray, fine, with some gravel, trace fines. Metal pipes, wood, concrete blocks.
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V				-	-		
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			:				
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				-			
				-			
				-			Bottom of pit at 2 feet below ground surface Groundwater encountered at feet below
				-			ground surface. (not encountered)
7					- 10 -		
,		•)	REMARKS	5	<u> </u>		
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LOC. DUG MET	ECT NA ATION BY HOD GED BY	E SI B	eyerhae verett, V eister	zuser Co Nashing	ompany S gton	FORY TEST PIT LOG Site Assessment PAGE TEST PIT NO. A7-07 PAGE TOTAL DEPTH 3.5 DATE COMPLETED 12/17/92
SAMPLING HETHOD AND NUMBER	PID (in ppm)	blows Per 6-inches	CROUND LEVELS	IN FTH.	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
			1			0-0.4': CONCRETE.
G			-			0.4-1.0': SAND (SP), fine to medium, with trace gravel, trace Silt.
A7-02	1292.			2		1.0-3.5': SILT (ML). Grades to fine sand.
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			-	-	_	
			-	-		
			-	-	_	Bottom of pit at 3.5 feet below ground surfo Groundwater encountered at feet below ground surface. (not encountered).
			-	•		ground suitace. (not encountere!).
		REMARK	S	- 10 -		
	b Horthwest	REMARK	S			0141-037.27.BLANK.L77/80:1.01/19/93

				-	EXP	LORA	TORY TEST PIT LOG
	LOC DUC MET	JECT NA ATION BY HOD GED BY	E Sl Bi	verett, V eister ackhoe	Vashiı	igton	Site Assessment Figure D. Swanson TEST PIT NO. A7-4 PAGE TOTAL DEPTH=44 DATE COMPLETED 12-/17-/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	AFFH.	N LITHO- LOGIC COLUMN	DESCRIPTION
							0-2.81: WOOD CHIPS.
	·			-	-	_	
			· .		þ	_	
		•		- -	-	-	
				-	2		•
	~	•			•		
イ	ся А7-40	1-1292			3	X	2.8-4:0': SAND(SP), greenish-gray, fine, With Silty fine sand and sandy Silt. (DREDGE SIND).
				£	Ч		Conside Stand
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					5		
				-	-		
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				_	-		
					-	-	Batton of oil of y fact labor and success
				-	• -		Bottom of pit at 4 feet below ground surface Groundwater encountered at feet below ground surface. (Not encountered)
J							
Ţ		<u>م.</u>	EMARKS		10-		·
			DIMITIC DO				
	EHCON No	orthwest, :	Inc.				0141-037.27.BLANK.L77/88:1.01/19/93

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				-	EXI	6T	ORA'	TORY TEST PIT LOG
Ύ.	LOC DUC MEI	JECT NA ATION BY HOD GED BY	E Sl B	verett, 1 eister eckhoe	∀ashi	ingt	0 n	TEST PIT NO. A7-05 PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 4' DATE COMPLETED 12/16/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS LEVELS	RFH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								0-2,g': WOOD CHIPS.
				-		-		
	-				1	_		
				· ·				
				ſ				
	~			-	Z	-		
	G A=-05	a - 1292			<u> </u>	∇		15.30's Stand For All with All and
		4 1212			-3	\square		2.5-3.0': SAND (SP), Black, with charred Wood and metal debris.
م	6	6-129	D	-	,	∇		
7	11-05	0 1-1	-		.,	\square		3.0-4.0': SAND(SP), gray-green, medium. (DREDGE).
								(DKEDGE).
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				-	5 -			
				-				
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				┣-	-			
				-				
				-				Bottom of sit at 4 feet helow around surface
				-				Bottom of pit at 4 feet below ground surface. Groundwater encountered at feet below ground surface. (not encountered)
~				╞				ground surface. (not encountered)
1		·	l	l	- 10 -		l	
,		·F	REMARKS					· · · · · · · · · · · · · · · · · · ·
		I I						
	EHCON N	orthwest,	Inc.					0141-037.27.BLAHK.L??/Be:1.01/19/93

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LOC DUC MEI	JECT NA ATION BY HOD GED BY	E Si Bi	/eyerhae verett, \ eister ackhoe	user Vashi	Con ingt	upany S on	TORY TEST PIT LOGSite AssessmentTEST PIT NO. A 7-06PAGE1 OF 1PAGE1 OF 1REFERENCE ELEVTOTAL DEPTHTOTAL DEPTH7.25'DATE COMPLETED12/16/92	
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	RFPH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION	
		****	-	3			0-2.0': WOOD CHIPS.	
			.	<u>_2</u>			2.0-2.75': SILTY GRAVEL (GM), with minor Sand, light brown, fine.	
G	-1292		-	3			2.75-3.5': DEBRIS; buint wood, tyvek, Charcoal.	
A+-U	-1293		-	ч	Å		3.5- 4.25': SAND (SP), gray-green, modium. (DREDGE SAND).	
. :			-	5 -				
			÷	-				
							Bottom of pit at 4.25 feet below ground surface Groundwater encountered at feet below ground surface. (not encountered).	
<u> </u>	··R	EMARKS		- 10			(hot encountered).	
EHCON NO	Dorthwest,	Inc.					0141-037.27.8LANK.L??/80:1.01/19/93	

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;)					EXP	LORA	TORY TEST PIT LOG
)*	LOC DUC MET	JECT NA ATION BY HOD GED BY	E ^v SI Ba	verett, V eister ackhoe	Washin	gton	Site Assessment TEST PIT NO. A7-07 PAGE REFERENCE BLEV. TOTAL DEPTH 5' DATE COMPLETED 12/15/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND HATER LEVELS	RFFH.		LITHOLOGIC Description
•						_	D-1.5': WOOD CHIPS.
-	G A7-07	-1292-			2		1.5-3.0': 3AND (SP), black, medium, with abundant channed wood debris.
$\langle \rangle$					3 4 -	↓ _ _	3.0-5.0: SAND (SP), gray-green, medium (DREDGE SAND).
		- - - -		- - <u>-</u>	 		
							· · · · · · · · · · · · · · · · · · ·
			•	-		_	
			-			_	Bottom of pit at 5 feet below ground surface Groundwater encountered at 4.8 feet below ground surface.
		· · R	EMARKS		- 10		
		y	Inc				04/4 077 97 BLANK 199/2004 01/40/07

	ſ				EX	PL	ORA	TORY TEST PIT LOG
)	LOC DUC MET	JECT NA ATION BY THOD GED BY	E SI	verett, V eister	Washi	ingto	n	Site Assessment TEST PIT NO. A7-08 PAGE 1 OF 1 REFERENCE BLEV. TOTAL DEPTH 21 DATE COMPLETED 12/17/92
	SAMPLING METHOO AND NUMBER	PID (in ppm)	Blous Per 6-Inches	GROUND MATER LEVELS	-REFH.	2	LITHO- LOGIC COLUHN	LITHOLOGIC DESCRIPTION
								0-0.5'! SAND (SP), medium brown, with Some gravel + not material.
	G A7-08	-1292			!	 		0.5-2.0': StNDY GRAVEL (SPGP), yellowish-brown, fine to course gravel, fine to course sand, trace fines. @ 1.8's dank brown.
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				-	•			
				-				
				-	•			Bottom of pit at 2 feet below ground surface. Groundwater encountered at feet below ground surface. (not exountered).
Y					10 —			(not excel).
ľ		·RI	BMARKS		10			
	EHCON No	Thuest, I	nc.					0141-037.27.BLANK.L77/80:1.01/10/03
		-						

5					EXI	PLO	DRA'	TORY TEST PIT LOG
	LOC DUG MET	JECT NA ATION BY HOD GED BY	E SI	verett, 1 eister	Washi	ngto	n	ite Assessment TEST PIT NO. A7-09. PAGE REFERENCE ELEV. TOTAL DEPTH 3' DATE COMPLETED 12/17/92.
	SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	LEVELS LEVELS	BFFH.	SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC DESCRIPTION
-	-			-				0-1.0': SAND (SP), dauge brown, fine, with roots and other organic material.
	G 17-09-	1292		-	2	X		1.0-3.0': SAND (SP), medium gray, fine.
-								
				-	ч			
				-	5-			
				-				4
				- -				
				-				
				-				Bottom of pit at 3 feet below ground surface. Groundwater encountered at feet below ground surface. (not encountered).
		<u>l ·</u>	<u> </u>	J	- 10 -		l	
) Orthwest,	REMARKS	3				0141-037.27.BLANK.L??/80:1.01/19/93

					EXI	PT	DRA	TORY TEST PIT LOG
	LOC DUC MBT	JECT NA ATION BY HOD GED BY	E SI	verett, \ leister	Washi	ingto	n	Site Assessment TEST PIT NO. A7-11 PAGE 1 OF 1 REFERENCE BLEV. TOTAL DEPTH 6' DATH COMPLETED 12/17/92
	SAMPLING HETHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS LEVELS	REH	SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC Description
				-	•			0-3.0': WOOD CHIPS, reddish-brown.
		•		- 	2 -3-7		-	30-10-10-01-01-01-01-01-01-01-01-01-01-01
Ŷ	G A7-11-	· በንብን		-	4	₩ A		3.0-6.0': SAND (SP), gray-green, with abundant wood+ metal debris.
		-	- -	-				•
				-				
				-	- - 10			Bottom of pit at 6 feet below ground surface. Groundwater encountered at feet below ground surface. (not encountered).
			BMARKS					

j					EXI	PLC	RA	TORY TEST PIT LOG
	LOC DUC MEI	JECT NA ATION BY HOD GED BY	E SI B	verett, 1 leister	Vashi	ingto	n	Site Assessment Frey D. Swanson / Greg Mack TEST PIT NO. A7-12 PAGE TOTAL DEPTH 4' DATE COMPLETED 12-/17-/92-
	SAMPLING HETHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-1NCHES	GROUND LEVELS	RFH.	SAMPLES	LITHO- LOGIC COLUMN	DESCRIPTION
								0-20: WOOD CHIPS.
	-			-				
				-	ι			
				-	2		•	•.
	િંહ							2.0-2.75': SAND (SP), gray-green, fine, with trace fines, logs, wood
	A7-12	-1292		-	3	X		ausus.
Ż				-	eL.		:	2.75-4.0': SAND (SP), dark gray, with some Charcoal + wood chips.
	-				- T			
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				-				
		-		-				, mar.
				-				Bottom of pit at 4 feet below ground surface Groundwater encountered at feet below
, series				-				ground suitace. (not encountared).
,		· R	EMARKS		10	I		
			,		-			
	FILOON IN		•					· · · · · · · · · · · · · · · · · · ·

. 1					EXI	PL	ORA	TORY TEST PIT LOG
)	LOC DUC MBT	JECT NA ATION BY HOD GED BY	E SI Ba	verett, 1 eister ackhoe	Nashi	ingt	on	Site Assessment PAGE PAGE TEST PIT NO. A7-13 PAGE TOF 1 REFERENCE ELEV. TOTAL DEPTH 5' DATE COMPLETED 12/15/92
	SAHPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	REFH	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	-							0-1.0' : WOOD LHIPS.
	Gi A7-13-	.1 792	•	•		V		1.0-1.5': StND (SP), black, medium, with charrie debris.
	87-13	1011		-	2	А		1.5- 5.0: SAND (SP), gray-green, medium,
	•	•		-	2			C 2.0': SILT (ML), gray, clayey,
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			•					
	-			-	-5-			
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			•	. • •••				
				-	-			
					•			
				-				Bottom of pit at 5 feet below ground surface. Groundwater encountered at feet below
			•	-			:	ground suitace. (not encountered).
7		·			10 -			
		·R	EMARKS					
	EHCON HO	rthwest,	Inc.					0161-037 27 BLAUK 122/00-1 01/10/07

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)					EXPI	ORA	TORY TEST PIT LOG
2	LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI	vérett, V leister	Nashing	ton	Site Assessment TEST PIT NO. A7-14 PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 7' DATE COMPLETED 12/17/92
	SAHPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND HATER LEVELS	JREPTH. SAMPLES	LITHO- LOGIC COLÚNN	LITHOLOGIC DESCRIPTION
	G A7-14	-1292		-	< }	7	0-7.0': GRAVELLY SAND(GP-SP), yellowish-brown With roots, wood chips.
	• • •		•	-	2	-	@ 3.0': gray, with abundant silt, wood Chips.
,					Ч — 	- -	
						-	•
			-	-			
			BMARKS	-	- 10	-	Bottom of pit at 7 feet below ground surfac Groundwater encountered at feet below ground surface. (not encountered)
			,. ™				

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EXPLORATORY TEST PIT LOG TEST PIT NO. A7-16 PROJECT NAME Weyerhaeuser Company Site Assessment ۰. LOCATION Everett, Washington **PAGE**. 1 OF 1 DUG BY Sleister REFERENCE ELEV. METHOD Backhoe 6 TOTAL DEPTH Holly J. Corner / Jefrey D. Swanson/Greg DATE COMPLETED 12/17/92 LOGGED BY SAMPLING PID BLOYS LITHO-SAMPLES LITHOLOGIC **METHOD** (in ppm) PER 品品 LOGIC DESCRIPTION AND 6-INCHES COLUNN NUMBER 0-2: wood chips 6 2-6: SAND, (SP), grey to dark grey-brown, Some wood waste, charcoal, And Metal debris, damp A7-16 -1292 5 Bottom of pit at 6 feet below ground surface. Groundwater encountered at - feet below ground surface. N 10 REMARKS Northwest Inc

.)]	EXP	LORA	TORY TEST PIT LOG
ý	LOC DUC MET	JECT NA ATION BY THOD GED BY	E Sl Ba	verett, V eister ackhoe	Vashing	, ston	Site Assessment TEST PIT NO. A7-17- PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 7- DATE COMPLETED 12/15/92
	SAHPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	LAFFTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
				-		-	0-2.0': WOOD CHIPS.
, L) , L)	A7-17	1297		-	3	-	20-2.5': SAND (SP), black, medium, with wood dubris. 2.5-7.0': SAND (SP), gray-green, medium, with lenses of grewelly Sand.
				- 	5 5 6		
				- 		- -	
لينت		·	EMARKS	-	 10		Bottom of pit at 7 feet below ground surface. Groundwater encountered at feet below ground surface. (not encountered)
	EHCON NO				·		

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	LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI Ba	verett, V eister ackhoe	Washi	ingte	on .	Site Assessment TEST PIT NO. A7-19 PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 5' DATE COMPLETED 12/16/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND HATER LEVELS	REPH	SAMPLES	LITHO- LOGIC COLUXIN	LITHOLOGIC Description
								0-3.01: WOOD CHIPS.
			•	-	1			
				-	2.			
		•						
5	A7-19	a-129	Э		3	X	<u> </u>	3.0 - 4.25': SAND (SP), black, medium, with
Y			-	Ч.			Gome fine sand and abundant charred wood debris.	
	A7-19b-1292	}-	- -	[X		4.25-5.0': SAND (SP), gray-green, medium, (DREDGE SAND).	
			-				(DREVOL STRD).	
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			÷	-	-			
				-	-			
				-	•			
				-	•			
				-	-	-		Bottom of pit at 5 feet below ground surface Groundwater encountered at feet below
ð				-	•			ground suitace. (not encountered).
		·R	EMARKS		10-		^	
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	[EXPL	JORA	TORY TEST PIT LOG			
Ć	LOC DUC MET	DIECT NA CATION 3 BY FHOD GED BY	E Si B	Veyerhad verett, V leister ackhoe	euser Co Washing	mpany (ton	Site Assessment TEST PIT NO. $A7 - 20^{\circ}$. PAGE NEFBRENCE ELEV. TOTAL DEPTH 6' DATE COMPLETED 12/15/92			
	SAMPLING HETHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND HAIER LEUELS	LREPTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION			
							0-2.75': WOOD CHIPS.			
	A7-20	-1292	(percred)	- - - - -	3 4		2.75-5.0': SAND(SP), gray to gray-black, medium, with some fine sand.			
		·			-5		5.0-6.0': CLAYEY SILT (ML), gray, moist to wet.			
				• •						
				1			Bottom of pit at 6 feet below ground surface. Groundwater encountered at 4.5 feet below ground surface. (perched)			
			MARKS							

	EXPLORATORY TEST PIT LOG												
E .	LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI Ba	'eyerhae verett, \ eister ackhoe	euser (Washir	Company . Igton	Site Assessment PAGE TEST PIT NO. A 8-01 PAGE TOF 1 REFERENCE BLEV. TOTAL DEPTH 6' DATE COMPLETED 12-/15/92						
	SAHPLING HETHOO AND NUMBER	PID (în ppm)	BLOWS PER 6-INCHES	GROUND LEVELS LEVELS	RFFH.	U LITHO- LOGIC COLUKN	LITHOLOGIC DESCRIPTION						
	-	- - -		-		-	0-2.5 : WOOD CHIPS. Moist.						
۲ ۲	AB-01-	1292		-	3	 ¥	2.5-3.25': SAND (SP), daue brown, fine to Medium, with lanses of elay-rich, veddish brown said. Moist. 3.5-6.0': SAND (SP), Gray-green; medium, Moist. (DKEDGE SAND):						
					- 5 -6								
			•	- -	-								
1					-	_	Bottom of pit at 6 feet below ground surface. Groundwater encountered at feet below ground surface. (not encountered).						
N.		l			10-	I							
		R	EMARKS										
	EHCON No	rthwest.	(DC.				01/1_077_27_PLANK_L77_(co.1_01/10/07						

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· · ·	EXPLORATORY TEST PIT LOGPROJECT NAME LOCATION DUG BY METHOD LOGGED BYWeyerhaeuser Company Site Assessment Everett, Washington Sleister Backhoe Holly J. Corner / Jeffrey D. Swanson.TEST PIT NO. A8-02a. PAGE THEST PIT NO. A8-02a. PAGE TOTAL DEPTH 6-25 DATE COMPLETED 12/15/92.										
	SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS LEVELS	RFFH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION			
•				-	ι		•	0-3.5': WOOD CHIPS			
.)			- 3	Cl.75-3.5': interlayered wood chips and green- gray, medium to course sand.							
Y	A8-02	a-1292			Ч : 5			3.5-3.75': CLAYEY SILT (ML), blue gray, with Jaminations and faw cobbles. 3.75-6.25': SAND (SP), gray-green, medium. (DREDGE SAND).			
					6		-	•			
				-	7		•				
							-	Bottom of pit at 6.25 feet below ground surface. Groundwater encountered at feet below ground surface. (not encountered).			
ĩ	ENCOU	D	REMARK	<u>s</u>	<u>— 10</u>	·		0161-037 27 RI ANK 1 27/90+1 .01/19/03			

ì	ſ				EXI	PT0	ORA	TORY TEST PIT LOG
	LOC DUC MET	JECT NA ATION BY THOD GED BY	E SI B	Veyerha verett, V eister ackhoe	euser Washi	Con ingto	ipany (on	Site Assessment Fig. D. Swanson TEST PIT NO. AB-02.6. PAGE TOF 1 REFERENCE BLEV. TOTAL DEPTH 5' DATE COMPLETED 12/15/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	EVELS LEVELS	RFFH.	L L	LITHO- LOGIC COLUHN	LITHOLOGIC DESCRIPTION
				-	1.			0-2.25'1 WOOD CHIPS
J.	AB-026	1292,		-	2	¥ A		2.25-3.25': SAND (SP), Black, medium, With trace pourse sand. Undulatory horizon. 3.25-5.0': SAND (SP), gray-green, nedium.
	· .	• .		- -	4 - - 5-			3.25-50': SAND (SP), gray-green, nedium. (DREDGE SAND). @ 3.25-4.25': Lenses of black Sand.
				- - -	-			•
			-	<u>-</u>				
								Bottom of pit at 5 feet below ground surface. Groundwater encountered at feet below ground surface. (not encountered).
		RE	BMARKS					

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	EXPLORATORY TEST PIT LOG											
)	LOC DUC MEI	JECT NA ATION BY HOD GED BY	E Sl Ba	verett, \ eister ackhoe	Washi	ingto)n	Site Assessment PAGE TEST PIT NO. A8-03 PAGE TOF 1 REFERENCE ELEV. TOTAL DEPTH 5.5' DATE COMPLETED 1/20/93				
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCKES	EROUND LEVELS	AFFH.	닖	LITHO- LOGIC COLUNN	LITHOLOGIC Description				
			,	- -				0-1.0': WOOD CHIPS.				
Ì	A B-03	-0193			2 3 4			1.0-5.0': SAND (SP), gray-brown, medium, With few Coarse lenses. C 1.0-1.25': dark gray.				
					-5			50-5.5': SAND (SP), gray-green, medium. (DREDGE SAND).				
			- - - - -	-				Bottom of pit at 5.5 feet below ground surface Groundwater encountered at 5.25 feet below ground surface.				
3		•			- 10 -							
		R	EMARKS					0141-037 27. RI ANK ,1 27/80:1.01/19/93				

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					EXP	LORA	TORY TEST PIT LOG
	LOC DUC MEI	IECT NA ATION BY HOD GED BY	Ex Sle Be	verett, V eister	Vashin	ton	Site Assessment TEST PIT NO. AB-04 PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3.5' DATE COMPLETED 1/20/93
	SAMPLING HETHOO AND NUMBER	PID (în ppm)	BLOWS PER 6-INCHES	LEVELS LEVELS	-DEPTH INFTH COMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC Description
							0-0.31: WOOD CHIPS, with growel, black.
	A8-04-	-0193			2		0.3-3.5' : SAND (SP), medium, with trace course and trace fine sand. @ 1.5-1.8' : rare silt lenses. @ 1.0-3.5': Coarsens downward to 30% coarse sand.
ý	•			- - <u>7</u>	3 -		
				-	- 5	_	
					-	-	4
				-			
					- 10		Bottom of pit at 3.5 feet below ground surfac Groundwater encountered at 3.5 feet below ground surface.
			REMARKS	}	- 10		
			Inc				0474_077 37 BLANK 133 (04-1-04-140-04

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	LOC		E SI	Veyerhad verett, N leister	user	Cor	TORY TEST PIT LOG Site Assessment TEST PIT NO. A8-05. PAGE 1 OF 1 REFERENCE ELEV.						
	METHOD Backhoe LOGGED BY Holly J. Grner / Jefrey D. Swanson DATE COMPLETED												
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	CROUND LEVELS	GEPTH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION					
							0-0.3': WOOD CHIPS						
	A8-05-	1000			 . N			0.3-0.5': SILTY GRAVEL (GM) with sand, brown- gray. (FILL)					
		1414		• •	·	Δ		p.5-1.0': SIND(SP), black, medium, with 10% fine Sand.					
				Ţ	2		·	1.0-2.5': SAND (SP), gray-green, medium (DREDGE SAND).					
				-	3								
Ś				-									
					Y								
					5 -								
				-									
			÷	•									
				-									
				-									
				-				Bottom of pit at 2.5 feet below ground surface Groundwater encountered at 2.25 feet below					
		•		-				ground suitace.					
ł		·R	BMARKS		10								
		Thest, 1						1161-117 27 RIANY 122/20+1 11/10/03					

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	EXPLORATORY TEST PIT LOG										
	LOC DUC MET	JECT NA ATION BY HOD GED BY	E Si Bi	verett, \ leister ackhoe	Wash	ingt	ion	Site Assessment Fig. D. Swanson TEST PIT NO. A8-06 PAGE TOF 1 REFERENCE BLEV. TOTAL DEPTH 8' DATE COMPLETED 12-114/92			
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	LEVELS GROUND GROUND	RFH.	SAMPLES	LITHO- LOGIC COLUNH	LITHOLOGIC DESCRIPTION			
ŀ								0-0.3': ASPHALT.			
				-	1			0.3-0.75': SANDY GRAVEL (SP-GP), gray-green, to tan-orange. (FILL).			
	A8-06	- 1292		-		$\overline{\mathbb{M}}$		0.75-1.75': SAND (SP), brown-black, fine to medium.			
		• -		-	2			·1.75-8.0': SAND(SP), gray-green, medium. (DREDGE SAND).			
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ч {					Ч						
				-	5-						
				-	6						
		-									
					7 -						
				 	8-						
				-				Bottom of pit at B feet below ground surface Groundwater encountered at 7.75 feet below			
				-	10 —			ground suitace.			
	ID ID REMARKS EHCON NorthWest, Inc. 0141-037.27.BLANK.L77/88:1.01/19/93										

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0141-037.27.BLANK.L77/88:1.01/10/03

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	EXPLORATORY TEST PIT LOG												
	LOC DUC MET	IECT NA ATION BY HOD GED BY	En Sl	verett, V eister	Vashin	igton	ite Assessment PAGE 10F1 REFERENCE BLEV. TOTAL DEPTH 5' DATE COMPLETED 12/11/92						
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	LEVELS LEVELS	RFH.	SELITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION						
				 			0-0.5' : ASPHALT.						
					1		0.5-2.0': SILT (ML), black, with gravel, and horizons of dank-brown staining.						
	A8-07	-1292			-2	¥	2.0-2.5: SAND (SP), black, with undulatory						
				-	3	A	2.5-5.0': SAND (SP), with rare gravel, gray-green, medium.						
1				-	Ч								
				-	K								
				-	5								
		•		-			•						
				-									
				-	-								
				-			Bottom of pit at 5' feet below ground surface Groundwater encountered at feet below ground surface. (not encountered).						
)		•		-	- 10	•	ground suitace. (not encountered).						
			REMARK	(S									
		Northwest					0141-037.27.BLANK.L??/80:1.01/19/93						

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۰.	TORY TEST PIT LOG						
)	LOC DUC MET	JECT NA ATION 3 BY THOD GED BY	E SI B	verett, \ leister ackhoe	Washing	ton	Site Assessment PAGE TEST PIT NO. AB-08 PAGE TOF 1 REFERENCE BLEV. TOTAL DEPTH J.75 DATE COMPLETED 12/14/92
	SAMPLING HETHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	EVELS LEVELS	IN FTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
							0-0.2' : ASPHALT.
	AROC	-1292-			Ň		0.2-0.5': SILTY GRAVEL (GM), gray-brown (FIL)
	40.00	-1212		- -	<u>' A</u>	<u> </u>	0.5-1.25': GRAVELLY SAND (GP-SP), dark gray to black, fine to medium sand.
				_	2	·	125-275': SAND (SD) Am
		•		<u> </u>	·		1.25-2.75': SAND (SP), gray-green, medium, With few gravel lenses. (DREDGE SAND).
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	i I		ľ	-	<u> </u>		
				• ·			Bottom of pit at 2.75 feet below ground surface. Groundwater encountered at 2.5 feet below ground surface.
Э				•			ground surface.
		·		·	10	[
		.RI	BMARKS				
		1					· · ·
l	EHCON Nor	thuest, I	nc.				0141-037.27.BLANK 122/00+1 01/10/03

	ſ				EXP	LORA	TORY TEST PIT LOG
	LOC DUC MET	JECT NA ATION BY HOD GED BY	E Sl B	verett, \ eister ackhoe	Yashiı	ngton	Site Assessment PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 4' DATE COMPLETED 1× /20/93
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	CROUND LEVELS	봐 태 ·		DESCRIPTION
-							0-0.3" ASPHALT.
				- - /	-	_	0.3-1.25': GRAVEL (GP-GM). (FILL).
	67 A 8-09	- DI 93			2 -		1.25-4.0': SAND (SP), medium to coarse, black . (DREDGE SAND).
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				-	-		
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				-	-	_	Bottom of pit at 4 feet below ground surface Groundwater encountered at 4 feet below ground surface.
F			•		· 10		· · · · · · · · · · · · · · · · · · ·
- :		·R	EMARKS		10		· · · ·
	ENCON NO	rthwest.	Inc.				

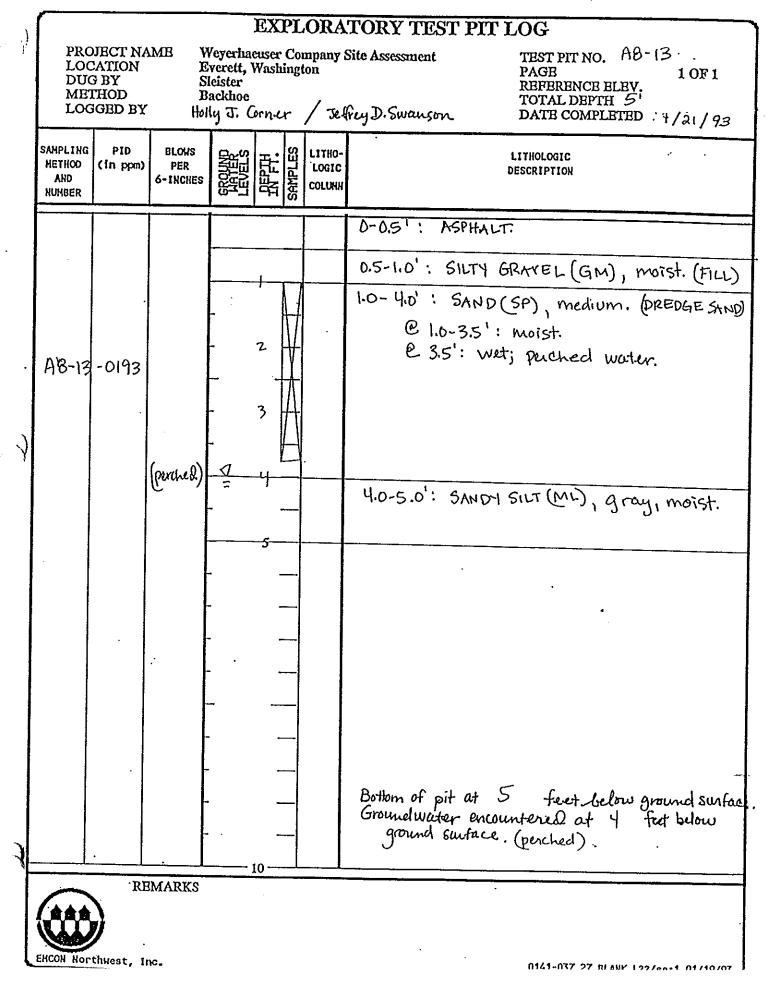
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· -)					EXPL	ORA	TORY TEST PIT LOG
¥	LOC DUC MET	DECT NA CATION 3 BY THOD GED BY	E Si B	verett, \ leister ackhoe	Washing	ton	Site Assessment TEST PIT NO. A8-10 PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 4' DATE COMPLETED 12/15/92
	SAMPLING HETHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS LEVELS	LREPTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
				[0-0.5 ': ASPHALT.
	AB-10	a-1292			' <u>[</u>		0.5-1.5': SILTY GRAVEL (GM), moist. @ 0.5-1.0': yellow-brown. @ 1.0-1.5': black.
				-	2		
	AB-10	b-129a			3		1.5-4.0': SAND (SP), gray, medium. @ 2.9-4.0': yellow-green-gray, with 5% coarse sand.
			i	-			
					Ч	·	
				-			
				-	5		
				-			
		•		-			
				- -			
				-			
			-	-			
				-			Bottom of pit at 4 feet below ground surface Groundwater encountered at feet below
				-			ground suiface. (not encountered).
Ē		·D1		······	10	ł.	
			BMARKS				
	EHCON Nor	thuest, I	nc.				

· DI41-037.27

· ,	[EXPL	ORA	TORY TEST PIT LOG
j	LOC DUC MET	DIECT NA CATION 3 BY THOD GGED BY	E Si B	verett, V leister ackhoe	Washing	ton	Site Assessment PAGE TEST PIT NO. A8-12- PAGE TOF 1 REFERENCE ELEV. TOTAL DEPTH 5' DATE COMPLETED #/21/93.
	SAMPLING HETHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND MATERS LEVELS	-REPTH. SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC DESCRIPTION
					1	-	0-225': ASPHALT. und GRAVEL (GP), interlayered, Wet.
					2 _		
· ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	A8-12	-0193		-	3	•	2.25-50': Stind (SP), medium, moist. Course fraction increases downward. to 20%. @ 3.0': gray silt.
				Ţ	<u>-</u> 5		
		- -	- - - -				•
				-			
							Bottom of pit at 5 feet below ground surfac. Groundwater encountered at 5 feet below ground surface.
*				j	<u></u>		
	EHCON NOP	RH	MARKS				

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	LOC DUG MET	JECT NA ATION BY HOD GED BY	Ev Sl Ba	'eyeritae verett, V eister ackhoe	euser (Washii	Comp ngton	pany S 1	IORY TEST PIT LOGSite AssessmentTEST PIT NO. A9-01PAGE1 OF 1PAGE1 OF 1REFERENCE BLEV.TOTAL DEPTHTOTAL DEPTH5 25DATE COMPLETED1 /21 / 93
	SAHPLING HETHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	FROUND LEVELS	RFFH.	SAMPLES	.ITHO- Logic Xoluxn	LITHOLOGIC Description
A.	A9-01-	0193			2 3 4 5-			0-2': WOOD CHIPS 2.0-2.75': SAND (SP) mixed with ush and wood debris. 2.75-5.25': SAND (SP), gray-green, medium (DREDGE SAND).
. Jan		·	EMARKS		- <u>10</u>			Bottom of pit at 5.25 feet below ground surface Groundwater encountered at 5.0 feet below ground surface.
		D	- -					0414 077 D7 D1 111/ 1 40 1 . 4 04 140 107

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	[EXPI	ORA	TORY TEST PIT LOG
	LOC DUC MET	JECT NA ATION 3 BY THOD GED BY	E SI Bi	verett, V leister ackhoe	Washing	ton	Site Assessment TEST PIT NO. A9-02 PAGE 1 OF 1 REFERENCE BLEV. TOTAL DEPTH DATE COMPLETED 1/21/93
	SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	-REPTH SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC DESCRIPTION
	,					•	(Trenched but could not get off concrete.)
		•		- - -		•	
		•		-			·
.? `?				-			
				-			
					5		
				-	•		
			·	- -			
				-			
•				-			Bottom of pit at feet below ground surface Groundwater encountered at feet below ground surface
N]	·	l		10		
			EMARKS		<u></u>		
•	LINGON NO	rthwest, I	11G =				0141-037.27.BLANK.127/RA:1.01/10/03

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	,			j	EXPI	ORA'	TORY TEST PIT LOG
	LOC. DUG MET	ECT NA ATION BY HOD GED BY	Ev	erett, V eister	Yashing	ton	Site Assessment PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 5' DATE COMPLETED 1: /20/93
	SAMPLING HETHOO AND NUMBER	PID (in ppm)	Blows Per 6-Inches	CROUND LEVELS	LAFFTH.	LITHO- LOGIC COLUNN	LITHOLOGIC DESCRIPTION
<i>?</i>	179-05	5-0193					Q-4.6: WOOD CHIPS Q-4.6: DEBRIS. Q-4.5:50! DEBRIS. DEBRIS. DEBRIS. DEBRIS. DEBRIS. Unclessed of the second
Jan			REMARK	- - - - - - - - - - - - - - - - - - -	10		Bottom of pit at 5.0 feet below ground surface Groundwater encountered at feet below ground surface. [not encountered]

-)				•	EXP	LOR	ATORY TEST PIT LOG
)'	LOC DUC MBI	JECT NA ATION BY HOD GED BY	E SI Bi	verett, \ eister ackhoe	Yashiı	ıgton	y Site Assessment PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3 DATE COMPLETED 1, /20/93
	SAMPLING HETHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	REFH		DESCRIPTION
				-	-	_	0-1.0': GRAVEL (GP), brown, with fines. Moist. (FILL).
	A9-06	- D193		-	2	T T	1.0-3.0': SAND(SP), medium, moist. @ 1.0-2.0': black. @ 2.0-3.0': yellow-brown.
Ì					3 - 4 -		
					5 — - -	_	
		-		• • • •	 		
			•				Bottom of pit at 3 feet below ground surface Groundwater encountered at 3 feet below ground surface.
Y		·	•		10 —		
			EMARKS		-		· · · ·

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					EXI	PLO]	RA	TORY TEST PIT LOG
)	LOC DUC MET	JECT NA ATION BY HOD GED BY	E Sl Ba	verett, V eister ackhoe	Washi	ngtoñ		Site Assessment PAGE REFERENCE ELEV. TOTAL DEPTH DATE COMPLETED 1. /20 / 92
	SAMPLING HETHOO AND NUMBER	PID (in ppm)	BLOWS	CEROUND LEVELS			rho- Gic Lunn	LITHOLOGIC DESCRIPTION
					•			0-0.75': GRAVEL (GP), brown. (FILL).
	A9-07	-0193		-	1 2	V A	•	0.75-2.5': SAND with SILT (SP-SM), light brown to dark gray, medium-grand Sand, trace gravel. C 1.0': 6" pipe. and wood waste.
l l				1 1 1	3 -			
)					4 -			
					5			
				-	-			•
		•		- -	-	—		
	-			-				
				-	-			Bottom of pit at 2.5 feet below ground surface Groundwater encountered at 2.5 feet below
		·····		<u> </u>	- 10 —	_		ground surface.
	\sim	·R	EMARKS					
		ý						
	FHCON NO	thunot 1	'nc					0161-037 27 DLANK (22 45 40 40 40 40

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ł					EXP	LORA	TORY TEST PIT LOG
	LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI B	verett, \ eister	Vashi	ngton	Site Assessment TEST PIT NO. A9-08 PAGE REFERENCE ELEV. TOTAL DEPTH 5.75' DATE COMPLETED 12/17/92
:	SAMPLING HETHOD AND HUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	RFH.	SI LITHO- LOGIC COLUMN	LITHOLOGIC Description
				-			0-3.0': WOOD CHIPS, reddish to yellowish- brown.
				- -	- z.	. 	
					3		
z				-	ч	$\overline{\mathbf{H}}$	3.0-5.75': bricks, wood, wire, charcoal, sand; @30.5.0: brown to gray. @5.0-5.75': black to dark brown. Underlain by wooden deck.
	A9-09	2-1292		-	5-	Å	
					6.		
			•	- ·			
			-	-			Bottom of pit at 5.75 feet helow ground surface
(nite				-	- 10 -		Bottom of pit at 5.75 feet below ground surfac Groundwater encountered at feet below ground surface [hot encountered]
		· F	EMARKS				
	E ENCON NO	orthwest,	Inc.				0141-037.27.BLANK_L77/86:1.01/19/03

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. (]	EXP	LORA	TORY TEST PIT LOG
	LOC DUG MEI	JECT NA ATION BY HOD GED BY	Ev Si Ba	verett, V eister	Vashi	ngton	Site Assessment TEST PIT NO. A 9-09 PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3' DATE COMPLETED 12/17/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOHS PER 6-INCHES	CROUND LEVELS	BFFH.		DESCRIPTION
							0-0.5': DEBRIS; bricks, ash, sand, roots, wood, metal; brown gray. 0.5-3.0': CONCRETE. Box filled with bricks,
	A9-09-	1292 .		- - -		Ă	ash, send and demolition debris.
Ś					Ч		
				-	,	••••••	
				-	5-		· ·
				-			
				-	_		
				-			
							Bottom of pit at 3 feet below ground surface Groundwater encountered at feet below ground surface [not encountered]
)					_ 10 _		
		· · ·)	REMARKS	;	- 10 -		

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D141-037.27

					EXP	LORA	TORY TEST PIT LOG
)	LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI B	verett, \ eister eckhoo	Washing	gton	Site Assessment File Assessment TEST PIT NO. A9-10 PAGE TOF 1 REFERENCE ELEV. TOTAL DEPTH 3' DATE COMPLETED 12/17/92
	SAMPLING HETHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	LREFTH. SAMPLES	LITHO- LOGIC COLUKN	LITHOLOGIC DESCRIPTION
							0-0.25': ASPHALT
	•			-	n.	7	0.25- 0.75': GRAVELY SAND (GP.SP), trace fing
	A9-10	- 1292		· · · · · · · · · · · · · · · · · · ·	- [X		D.75- 1.0: SAND (SP), yellow-brown, fine, with trace gravel.
				-	2-	-	1.0-3.0': SANP. (SP), medium gray to greenish- gray, fine, with bricks.
		-		-	 3	-	
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					5 —	-	
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		· .		-		•	
			:			-	
				-		-	
						-	
				-	<u> </u>	-	Bottom of pit at 3 feet below ground surface Groundwater encountered at feet below
				-		-	ground surface (not encountered).
ŀ		·R	EMARKS		AV.		· · · · · · · · · · · · · · · · · · ·

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Ń	ſ				EX	PL.	ORA	TORY TEST PIT LOG
)	LOC DUC ME	DIECT NA CATION 3 BY FHOD GED BY	E SI B	/eyerhad verett, \ leister ackhoe	euser Vashi	Con ingto	npany l on	Site Assessment Fug D. Swangon THE LOOG TEST PIT NO. A9-11 PAGE TOTAL DEPTH 5.5' DATE COMPLETED -1/20/9.3
	SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND MATER LEVELS	REFH	2	LITHO- LOGIC COLUMN	LITHOLOGIC Description
								0-0.5': ASPHALT
								0.5-1.0': GRAVEL with sand (GP-GM), yellow-brown.
		•		-	2			1.0-4.5': SILTY SAND (SM) with Gravel, gray to brown. Damp.
Ŷ	A9-11	- D193		-	3			
				- - - - -	<u>ч</u> 5-			4.5-5.0': SAND (SP), dark gray. Wet.
			-	- <u></u>	6_			•
			- - - -	• •	-	_		
			-	-	<u></u>			
					_			
			-		_			Bottom of pit at 5.5 feet below ground surface. Groundwater encountered at 5.25 feet below
			F					ground surface.
r	━┉╧━━┉╧┏╸	· D 77		<u>1</u>	<u>10 —</u>	!		
	ENCON Nor	thest Ir	MARKS					

	(EXP)	LORA	TORY TEST PIT LOG
)	LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI B;	verett, \ eister ackhoe	Washing	,ton	Site Assessment PAGE REFERENCE ELEV. TOTAL DEPTH 3' DATE COMPLETED 1/20/93
	SAHPLING METHOO AND NUMBER	PID (in ppm)	BLOUS PER 6-INCHES	GROUND MATER LEVELS	LNEPTH SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC DESCRIPTION
	A9-12	- 0193		- (0-1.5': GRAVEL (GP), fine. @ 0-0.5': reddish-brown, with fines. @ 0.75': tan Sarid: @ 1.0-1.5': yellow-brown.
	חורוג	- C1 10			2		1.5-3.0': SILTY SAND (3M), light gray. C 2.5-3.0': yellow-brown, with trace Gravel.
Ì						-	
				-	5 — 	-	
			÷	- -		-	
				-		•	Bottom of pit at 3 feet below ground surface. Groundwater encountered at feet below
Ż		R	EMARKS	-	10	•	ground surface. (not encountered)
	EHCON No) rthwest, 1	inc.				0141-037.27.BLANK.L??/sa:1.01/19/93

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				· · · · · · · · · · · · · · · · · · ·	EXPL	ORA	TORY TEST PIT LOG
)	LOC DUC MET	DECT NA CATION 3 BY THOD GED BY	E SI B	/eyerhad verett, \ leister ackhoe	euser Cor Washingt	mpany S ton	Site Assessment PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3.5 DATE COMPLETED /# /20/9,3
	SAHPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	IN FTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
							0-0-5': ASPHALT.
							0.5-1.0: GRAVEL (GP-GM), yellow-brown. 1.0-3.5: SAND (SP), yellow-brown, medium, with lenses 2" to 12" thick OF Gray Silt:
	A9-13	-0193			z ∦ -∔	•	Medium, with lenses 2" to 12" thick Of Gray Silt:
Ś				<u>.</u>	3		
				-	Ч —	-	••
					5		
				-			•
	1			- -			
				_ •			
				•	. —		Bottom of pit at 3.5 feet below ground surface. Groundwater encountered at 3.5 feet below ground surface.
	<u> </u>	·l	l		10		
		'RI	EMARKS				
L.	EHCON Nor	thuest, I	nc.				0141-037.27.BLANK.L?7/80:1.01/19/93

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					EXJ	PL	ORA	TORY TEST PIT LOG
<u>ک</u>	LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI Ba	verett, \ eister ackhoe	Vashi	ingt	on	Site Assessment PAGE REFERENCE ELEV. TOTAL DEPTH 3.5' Fuy D. Swanson. TOTAL COMPLETED 1/20/93
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	RFFH	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description
								0-0.3': ASPHALT
				-				0.3-075': GRAVEL with silt (GP-GM), brown.
	A9-14-	0193			1		-	0.75-3.5': SAND (SP), medium. @ 0.75-1.25': black, with gravel. @ 1.25-3.5': brown, medium, with trace gravel and trace fines.
2				<u>Å</u>	3			
ſ				-	ч.			
				-	5-			
			÷	-	•			•
			ŀ	-	-			
				-	-			,
				-	-			Bottom of pit at 3.5 feet below ground surface. Groundwater encountered at 3.5 feet below ground surface.
2			ŀ	•	-			givening surrece.
Ŧ					10 —	1	,I	
			3MARKS					
Ļ	EHCON Nor	thwest, I	nc.					0141-037.27.BLANK.L??/sa:1.01/19/93

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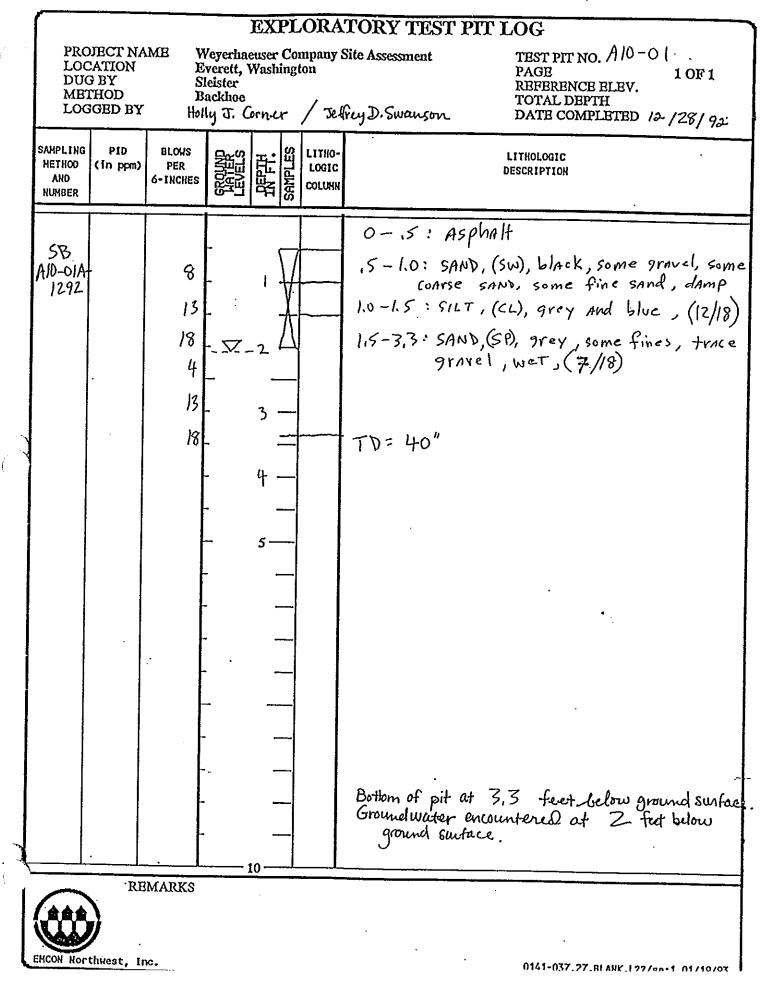
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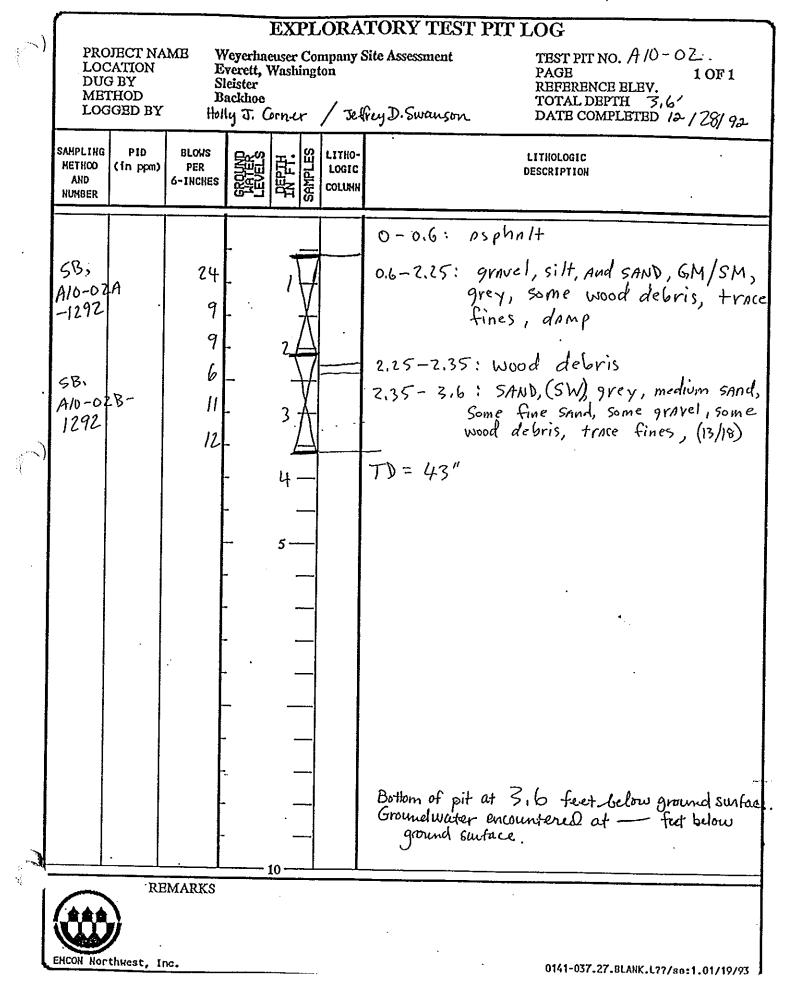
'n					EXPL	JORA	TORY TEST PIT	LOG
ý	LOC DUC ME	DIECT NA CATION 3 BY THOD 5GED BY	E Si B	Veyerha verett, V leister ackhoe	euser Co Washing	mpany ton	Site Assessment Grey D. Swanson	TEST PIT NO. A9-15 PAGE 1 OF 1 REFERENCE BLEV. TOTAL DEPTH 3.25 DATE COMPLETED 4/20/93
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCKES	GROUND HATER LEVELS	PRFFTH. SAMPLES	LITHO- LOGIC COLUNN		LITHOLOGIC DESCRIPTION
				-	 J	• •	0-1.75': PEBRIS Waste,	. sawdust, gravel, cement fines. Light brown.
	A9-15-	0193		- - 	2			brown, with trace gravel.
R					у — Ч — —		3.0-3.25: SAND (SP), gray-green, madium (DREDGE
			-	-	5			
			- -					
			-	1			Bottom of pit at 3.2 Groundwater encou ground soutace.	25 feet below ground surface. Intered at 3.0 feet below
		RBI	MARKS					
			· · · · · · · · · · · · · · · · · · ·					0141-037.27.BLANK 122/00-1 01/10/07

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,	[EXPL	ORA	TORY TEST PIT LOG
	LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI Ba	verett, \ eister ackhoe	Washing	on	Site Assessment PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3' DATE COMPLETED #//92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	IN FTH. SAMPLES	LITHO- LOGIC COLUHN	LITHOLOGIC Description
	•			-	·		D-1': ASPHALT
	A9-16, 			•		•	1.0-2.0': SAND (SP), @1.0-1.3': grew, silty @1.3-2.0': black.
	A9-168			- -	_ <u>_</u>]}		2.0-3.0': SAND (SP), gray-green, medium. (DREDGE SAND).
Ì)				-			
				-	ч —		
	•			-	5 —		
				-	<u> </u>		•
			÷	- -			
				-			
				-			Bottom of pit at 3' feet below ground surface. Groundwater encountered at 3' feet below ground surface.
X		·		-	10		ground surface.
		R	EMARKS				
Į	ENCON NOT	rthwest, 1	nc.				0141-037.27 RI ANK 122/00+1 01/10/03

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1				•	EXI	PL	ORA'	TORY TEST PIT LOG
	LOC DUG MET	JECT NA ATION BY HOD GED BY	En Sl Ba	verett, \ eister ockhoe	Washi	ingt	on	ite Assessment PAGE PAGE TEST PIT NO. $A10-03$ PAGE 1 OF 1 REFERENCE BLEV. TOTAL DEPTH 5.5' DATE COMPLETED 12-/10/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	AFPH.	SAMPLES	LITHO- Logic Column	LITHOLOGIC Description
-								Q- 4"(?): SOIL, GRASS
	A10-03	1292		- -	3	\mathbb{X}		4"- 5.5': SAND (SP), gray-green, medium, damp. to moist. C 0.75-1.25': SILTY SAND (SM).
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-								
				Γ				
				T I			-	
			-	F			-	Batton of oit at 55' fact helow around surfice
							-	Bottom of pit at 5.5' feet below ground surface Groundwater encountered at feet below ground surface [not encountered]
					10			
1			REMARK	<u> </u>	- 10	-		
	6			-				
		Ŵ						
	EHCON 1	lorthwest,	Inc.					0141-037.27.BLANK.L??/sa:1.01/19/93

	·				EXJ	PL	ORA	TORY TEST PIT LOG
	LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI Bi	verett, \ eister ackhoe	Washi	ingto	n	Site Assessment PAGE TEST PIT NO. A-10-04 PAGE TOF 1 REFERENCE ELEV. TOTAL DEPTH G' DATE COMPLETED 12-/10/92
	SAHPLING METHOD AND NUMBER	PID (in ppm)	Blows Per 6-Inckes	CROUND LEVELS LEVELS	LRF7H.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	·					-		Q.3" (?) SOILI GRASS
			- - -	•• ••	J		- •	3"-1.5': SAND (SP), gray-green, medium. LOREDGE SAND).
	A 10-0L	1-1292		-	Z	K		81.5- 4.25': SAND (5P), medium, black.
)				-				
					Ч			4.25-6.0': SAND (SP), gray green, medium (DREDGE SAND). C5': mat of organic-vich black material underlain by gray-green elay.
				-	5 -			underlain by gray-green elay.
					6_			· · ·
		•	•					
					-			
		-	•	-				Bottom of pit at 6.0 feet below ground surface
								Bottom of pit at 6.0 feet below ground surface. Groundwater encountered at feet below ground surface. That encountered J.
1				I	- 10 -	I		
	ENCON	Porthuest,	EMARKS					0141-037.27.8LANK.L??/80:1.01/19/93

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(EXI	PL	ORA'	TORY TEST PIT LOG
LOC DUC MBT	JECT NA ATION BY HOD GED BY	E SI B	verett, \ eister eckhoe	Vashi	ingt	on	Site Assessment PAGE TEST PIT NO. AID-05 PAGE TOF 1 REFERENCE BLEV. TOTAL DEPTH ~3' DATE COMPLETED 12/10/92
SAMPLING HETHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	REFH	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
A10-0:	5-1292		 	1		, , , , , , , , , , , , , , , , , , ,	WOOD CHIPS. 0-1', yellow-brown. 1-3': SAND (SP), gray-green, medium, with intermittant horizons of fine- grained black. Sand.
				ч 5-			
			- - - -	-			
			-	- 10 -			Bottom of pit at ~3 feet below ground surfac Groundwater encountered at 1' feet below ground surface.
EHCON N	Forthwest,	EMARKS	;				0141-037,27,RI ANK 122/an-1 01/10/03

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()	LOC DUC MET	DECT NA CATION 3 BY CHOD GED BY	E S B	Veyerha verett, V leister ackhoe	euser Co Washing	mpany (ton	Site Assessment TEST PIT NO. AIO-06 PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 2, 75
			1101	19 J. C	orner	/ Jet	Fey D. Swanson DATE COMPLETED 12/10/92
	SAHPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	PRFFTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
							D-0.5': WOOD CHIPS, Yellow-brown.
	A10-0	5-1292			<u>, V</u>		0.5-1.0': SAND (SP), black, medium.
			· •	- <u>V</u>	. 🖂		1.0 - 2.75': SAND (SP), gray-green, medium. (DREDGE SAND).
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							Bottom of pit at 2.75 feet helow around suchas
							Bottom of pit at 2.75 feet below ground surface. Groundwater encountered at 1:25 feet below
	.		ſ				ground surface.
		 קטי	MARKS	1	0		
	(A A A	KB.	murall?				
		ý –					
L	EHCOH Nort	hHest, In	c.				
			-				0161-037 27 BLANK 122 (april 01 /10 /07

. •	ſ				EXPL	ORA	TORY TEST PIT LOG
)	LOC DUC MET	JECT NA ATION BY THOD GED BY	E Si B	verett, \ leister ackhoe	Washing	on	Site Assessment PAGE REFERENCE ELEV. TOTAL DEPTH ~ 3 ' DATE COMPLETED 12/10/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	CROUND MATER LEVELS	IN FTH SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC DESCRIPTION
•		(pe	rched)	- 			0-1': WOOD CHIPS, yellow-brown.
	А 3- 67-	1292	.rched)	- 7	24	-	1-3': SAND (SP), gray-green, medium; moist to 2', damp below 2'. (DREDGE SAND).
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				•			
				•			Bottom of pit at ~3' feet below ground surface Groundwater encountered at 2' feet below ground surface.
		·	·		10	L	
			BMARKS				
•	ENCON NOT	thwest, I	nc.				0141-037.27.BLANK.L??/se:1.01/19/93

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1]	EX	9L	ORA'	TORY TEST PIT LOG
),	LOC DUG MEI	JECT NA ATION BY HOD GED BY	Ev Sl Br	verett, V eister ockhoe	Vashi	ingt	on	Site Assessment PAGE PAGE TEST PIT NO. A 10-08 PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 2.5' DATE COMPLETED 12/10/92
	SAMPLING METHOD AND HUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	AFFTH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						•••		0.1: WOOD CHIPS, yellow brown.
				<u> </u>				
	A10-0;	3-1292	•		2	X		1-2.5': SAND (SP), gray-green, medium, With few fines. (DR5D6E SAND).
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				-				
				-				Bottom of pit at 2.5' feet below ground surface Groundwater encountered at 1.75' feet below
2				-				ground surface.
)		<u>ا ن</u>	I . REMARKS	I	- 10 -		1	
			CINCUTOR O	1				
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	EHCON N	arthungt	the					A47.4-017 07 DLAUK 100/00-4 04/10/01

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	1				LUU	(LU	RB	TORY TEST PIT LOG
) ¹	LOC DUC ME	DJECT NA CATION 3 BY FHOD GED BY	E Si B	Veyerha verett, leister ackhoe	euser Washi	Comp ington	any .	Site Assessment PAGE REFERENCE ELEV. TOTAL DEPTH 3.5' DATE COMPLETED 12/11/92
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCKES	GROUND LEVELS LEVELS	REFH		ITHO- Ogic DLUHN	LITHOLOGIC DESCRIPTION
								R-0.25': ASPHALT
				-				0.25-1.01: GRAVEL (GP), fine, gray. (FILL).
	A10-00	-1292	• •	<u></u>	2-	X		1.0-2.5': Stad With 10% growers black, medium, wet.
				-	3.			2.5-3.5: SAND (SP), gray-green, medium, wet. (DREOGE, SAND).
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			7		•••			
			-			_		Bottom of pit at 3.5 feet below ground surface. Groundwater encountered at 1.5 feet below
7					-			ground surface.
		·RE	MARKS		0			
		thwest, In						0141-037.27. RI ANK 122/00+1 01/10/03

	ſ				EXP	LORA	TORY TEST PIT LOG
i j	LOC DUC MET	DECT NA CATION 3 BY THOD GED BY	E Sl B	verett, V eister ackhoe	Washin	gton	Site Assessment PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH ~3' DATE COMPLETED 12/10/92
	SAMPLING HETHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	LN FTH.	LITHO- LOGIC COLUMN	LITHOLOGIC Description
	· · ·			-		-	0-0.75': GRAVELLY SAND (GP-SP), (FILL)
	A 10-10	- 1292.		-	<u>'</u>]	1	0.75-1.25: WOOD CHIPS, orange-brown.
				-	2	-	1.25-3': SANDY SILT (ML), With wood chips and few fines,
				<u> </u>		-	
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						-	Bottom of pit at 3 feet below ground surface. Groundwater encountered at 2.5 feet below ground surface.
. J		•		-	 10	-	ground suitace
		R	EMARKS				
Ļ	EHCON NO	rthwest, I	nc.				0141-037.27.BLANK .1 77/88+1.01/10/03

1					EXI	'LOR/	TORY TEST PIT LOG
;	LOC DUC ME	DIECT NA CATION 3 BY FHOD GED BY	E Si B	leister ackhoe	euser (Washi	Company 1gton	Site Assessment TEST PIT NO. A10-11 PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 2.25 DATE COMPLETED 12-11/92
	SAHPLING METHOD AND NUMBER	PID (in ppm)	Blows Per 6- Inches	CEVELS LEVELS	AFPH.		LITHOLOGIC DESCRIPTION
				·	·		0-0-3": ASPHALT.
				-		[
					<u> </u>	_	0.3"-0.75': GRAVEL (GP), gray, fine. (FILL).
	A10-11-	1292		<u> </u>	2 -		0.75-2.25': SAND (SP), gray-green, medium, With horizons of black sand. (DREDGE SAND).
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							Bottom of ait of 225 () A
			F		_		Bottom of pit at 225 feet below ground surface. Groundwater encountered at 1.5 feet below ground surface.
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1		REN	MARKS		<u> </u>		
E	HCON Nort	west, Inc					0141-037 27 BLANK 122/00-1 01 100 107

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	EXPLORATORY TEST PIT LOG										
2	LOC DUC MET	JECT NA ATION BY THOD GED BY	E SI B	verett, V leister ackhoe	Washi	ngt	on	Site Assessment PAGE 10F1 REFERENCE ELEV. TOTAL DEPTH 2.25 DATE COMPLETED 12/11/92			
	SAMPLING METHOO AND NUHBER	PID (in ppm)	BLOUS PER 6-INCHES	LEVELS LEVELS	RFFH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION			
					•••			0-0.3': ASPHALT.			
	A10-12	-1292		-	1	X		0.3-0.5': GRAVEL (GP), gray, fine, with few fines. (Fill).			
			•	Ţ	! L		-	0.5-2.25': SAND(SP), gray-green, medium, With horizons of black sand. (DREDGE SAND).			
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			-	.	-	_					
		-	ŀ	•	-	_		Bottom of pit at 2.25 feet below ground surface			
			ŀ	•	-			Bottom of pit at 2.25 feet below ground surface. Groundwater encountered at 1.75 feet below ground surface.			
		·		,	10 —						
	REMARKS ENCON Northwest, Inc.										

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``	(EXF	LORA	TORY TEST PIT LOG				
()	PROJECT NAME LOCATION DUG BY METHOD LOGGED BYWeyerhaeuser Company Site Assessment Everett, Washington Sleister Backhoe Holly J. Corner / Jefrey D. SwansonTEST PIT NO. A 10-13. PAGE TOF 1 REFERENCE BLEV. TOTAL DEPTH 5' DATE COMPLETED 12-19/92										
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	RFFH.	LITHO- LOGIC COLUMN	DESCRIPTION				
	A 10-13-		erched)	- - -	1		0-2': Soil, brown, silty and sandy with minor gravel. Noist. @1.5-2.0': dank gray to black organic mat.				
Ì				-	4 3 - - 4 -		2.0-5.0': StND(SP) gray-green, mectiunt. Moist. (DREDGE StND). @ 3-3.5': brown-gray clayey silt horizon. @ 3.5.5.5': includes coarse-grained sand lenses.				
						-	•				
			•		 10		Bottom of pit at 5 feet below ground surface Groundwater encounterel at 1.75 feet below ground surface (perched).				
ST.	EHCON NO	R Thwest, 1	EMARKS	<u> </u>			0141-037.27.BLANK.L77/80:1.01/19/93				

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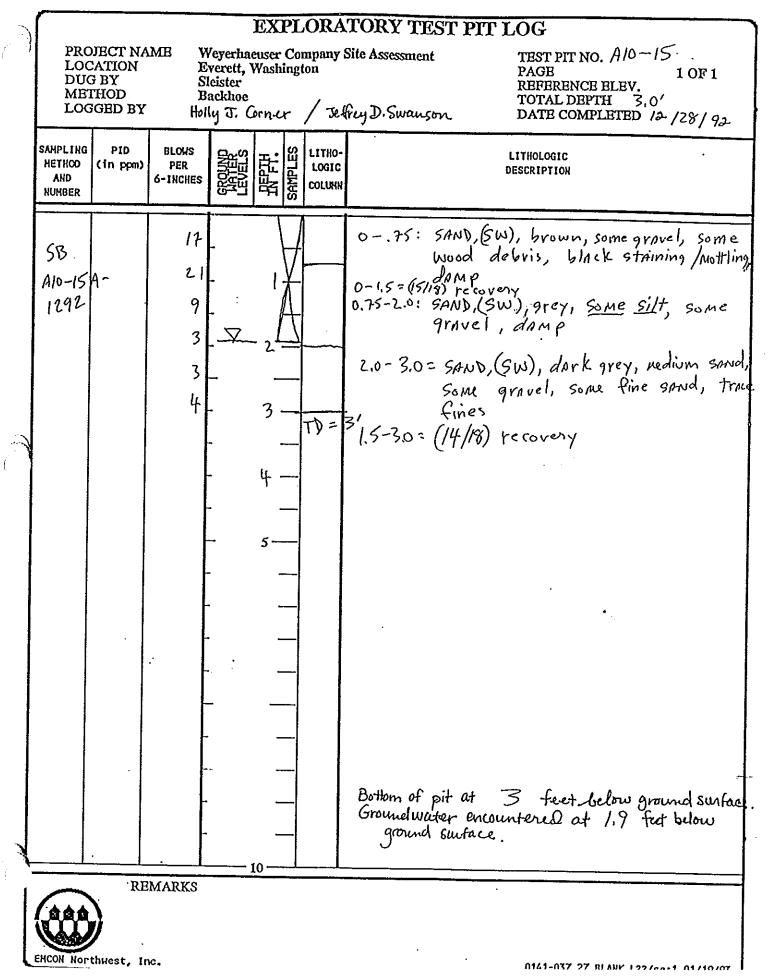
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					EXPL	ORA	TORY TEST PIT LOG
)	LOC DUC MET	JECT NA ATION BY THOD GED BY	E SI Bi	verett, v eister ackhoe	Washing	ton	Site Assessment PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH ~3 DATE COMPLETED 12/10/92
	SAHPLING HETHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	EROUND LEVELS	PREFIH. SAMPLES	LITHO- LOGIC COLUHN	LITHOLOGIC DESCRIPTION
							0-1': WOOD CHIPS. WLT.
	A10-14	-1292.			z —		1.0 - 3.0': SAND (SP), gray-green, medion LDREDGE STND). Wet. @ 1.5': reddish-brown staining.
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				-	5		
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				• •			Bottom of sit at 3 fact helper around suclear
		•					Bottom of pit at 3 feet below ground surface. Groundwater encountered at 1.25 feet below ground surface.
	EHCON Nor	RI	BMARKS	·			0141-037.27.81 ANK .1 77/88+1_01/10/03

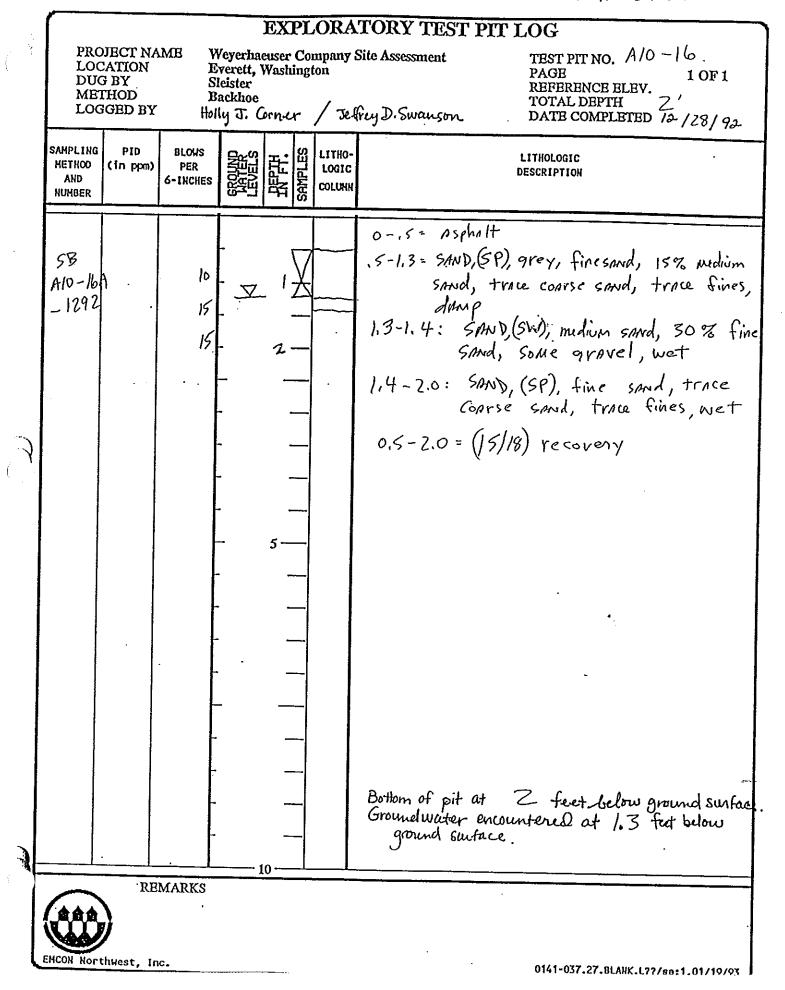
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	EXPLORATORY TEST PIT LOG							
	LOC DUC MET	JECT NA ATION 3 BY THOD GED BY	E SI B	verett, leister ackhoe	Washi	ingto)n	Site Assessment PAGE TEST PIT NO. A 10-17- PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH DATE COMPLETED / 20/93
	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS LEVELS	RFPH.	교	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								0-0.5': ASPHALT
	Aug. 12				۱ -			0.5-2.5': SAND(SP), gray-green, medium, (DREDLE SAND).
	A10-17	473		- <u>¥</u>	2	Å	,	@2.0': reddish-brown staining.
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	1		-		-			
			-		-	_		Bottom of pit at 25 feet below ground surface. Groundwater encountered at 25 feet below
								ground surface.
` -		·RE	MARKS		<u>10 —</u>			· · · · · · · · · · · · · · · · · · ·
	EHCON Nor	thwest, In						0141-037 27 RI ANK 122/00-1 01/10/07

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EXPLORATORY TEST PIT LOG							TORY TEST PIT LOG
)	LOC DUC ME	DJECT NA CATION 3 BY IHOD FGED BY	E SI B	Veyerhad verett, N leister ackhoe	euser Cor Washingt	mpany ton	Site Assessment Fig. D. Swanson TEST PIT NO. A10-18 PAGE TOF 1 REFERENCE BLEV. TOTAL DEPTH 3-25' DATE COMPLETED 1# /20/93
-	SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	IN FTH. SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC DESCRIPTION
				•	 		0-11: GRAVEL (GP). C 0.75-1.01: black Sand.
	A10- 18	-D193		-	2		1.0-3.25': SAND(SP), gray-green medium With lenses of gravely sand and lenses of Silty sand
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			-				
			- -				Bottom of pit at 3.25 feet below ground surface. Groundwater encountered at 3.25 feet below
		REI	MARKS	1(ground suitace.
E	HCON Nort	hwest, Inc	2.				
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1	LOC DUC MEI	DIECT NA CATION 3 BY THOD IGED BY	E SI B	/eyerhad verett, N leister ackhoe	euser Washi	Cor ingt	npany : on	Site Assessment FAGE FAGE TOTAL DEPTH TOTAL DEPTH TO
	SAMPLING HETHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND HATER LEVELS	RFH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
					<u> </u>			0.0.5' ASPHALT.
				•	<u>ا</u>			0.5-1.25': GRAVEL (GP). (FILL)
	- - - - - -	•		· · ·	2	V		1.25-1.5': SAND (SP), black.
	,. SEF-1	-0193	• •	-		A		1.5-3.0': SAND(SP), gray-graen, medium, (DREDGE SAND).
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			-		_			Bottom of pit at 3 feet below ground surface. Groundwater encountered at 3 feet below
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			MARKS					
×	- NOR NOP	thuest, Ir	К;.					0141-037.27.BLANK.L??/sa:1.01/19/93

					EXI	P L	ORA'	FORY TEST PIT LOG
	LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI Bi	verett, V eister ackhoe	Washi	ingto	on	Site Assessment PAGE TEST PIT NO. SEF-1 PAGE TOF 1 REFERENCE ELEV. TOTAL DEPTH 2.5 DATE COMPLETED 1/23/93.
	SAMPLING HETHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	EVELS LEVELS	RFFH.	2	LITHO- LOGIC COLUHN	LITHOLOGIC Description
								D-0.51: ASPHALT.
				•			÷	0.5-1.1': GRAVEL (GP). (FILL).
	SEF-	2-019	B	-	2	Ă		1.1'-2.5': SAND (SP), medium, (DREDGE SAND) @ 1.1-1.6': Yellow-brown. 1.6-2.5': grey-green.
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				-				Bottom of pit at 2.5 feet below ground surface Groundwater encountered at 2.5 feet below
in the second				-	,			Groundwater encountered at 2.5 feet below ground surface.
			1	L	- 10		J	
			EMARKS					
	EHCON NO	orthwest,	Inc.	<u>.</u>				0141-037.27.BLANK.L??/se:1.01/19/93

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	[EXP	LORA	ATORY TEST PIT LOG
(LOC DUC MET	DECT NA CATION 3 BY THOD GED BY	E Si B	verett, V leister ackhoe	Washir	igton	Site Assessment TEST PIT NO. SEF-3 PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3' DATE COMPLETED 1/23/93
	SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	REP.	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
							0-0.5': ASPHALT.
) -		0.5-1.5': GRAVEL (GP). (FILL).
	SEF-	3- 0193		-	2	Ŕ	1.5-3.0': SAND (SP), gray, medium, with coarse sand horigons.
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רי (ן)			-	4	_	
					5 —		
			•	-	6 -		
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				• •	-	-	Bottom of pit at 3 feet below ground surfac Groundwater encountered at 3 feet below ground surface.
4 A	l	l			10 —	<u> </u>	
	EHCON UN	thwest, I	BMARKS				· · · · · ·
~	Lincon not	cinest, II	ю.	**····			0141-037.27.BLANK.L??/88:1.01/19/93

PROJECT NAME LOCATION DUG BY METHOD AND NUMBERWeyerhaeuser Company Site Assessment Everett, WashingtonTEST PIT NO. $SEF - 4$ PAGE TOTAL DEPTH 3' DATE COMPLETED DATE COMPLETED $1/23/92$ SAMPLING METHOD AND NUMBERPID ELONIS PER 6-INCHESWeyerhaeuser Company Site Assessment Everett, Washington Backhoe Holly J. Corner LOGGED BY Holly J. Corner PER 6-INCHESTEST PIT NO. $SEF - 4$ PAGE DOF 1 TOTAL DEPTH 3' DATE COMPLETED DESCRIPTIONSAMPLING METHOD AND NUMBERPID ELONIS PER 6-INCHESELONIS PER EGU H: ELONIS EGU H: ELONIS PER GUNHLITHO- LOGIC COLUMNLITHOLOGIC DESCRIPTIONSAMPLING NUMBERPID FILL EGU H: ELONIS GUNHELONIS EGU H: ELONIS EGU H: ELONIS COLUMND-0.4': $hsphalt.T.$ O.4-1.5': GRAVEL (GP), growy, fine.IIO-0.4': SAND (SP), blackIII.5-0.0': SAND (SP), black						EXI	PLOR	ATORY TEST PIT LOG
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$.)	LOC DUC MET	ATION BY THOD	E SI B	/eyerha verett, ` leister ackhoe	euser (Washi	Compan ngton	y Site Assessment TEST PIT NO. SEF - 4 PAGE 1 OF 1 REFERENCE ELEV.
SEF-4-6193 - 1 - 0.4-1.5': GRAVEL (GP), gray, fine. 2 - 1.5-2.0': SAND (SP), gray green, medic with Cocuse lanses. Roots conne (DREDGE SAND). 		HETHOD AND		PER	CROUND LEVELS	RFH.		D- C DESCRIPTION
SEF-4-6193 - 1 - 0.4-1.5': GRAVEL (GP), gray, fine. 2 - 1.5-2.0': SAND (SP), gray green, medic with Cocuse lanses. Roots conne (DREDGE SAND). 								D-O.Y': ASPHALT
SEF-4-6193 - 4 - 20-3.0! SAND (SP), gray-green, mediu with Cocuse lanses. Roots comme (DREDGE SAND). - 5 				-		- J -	_	
SEF-4-6193 - 4 - 20-3.0! SAND (SP), gray-green, mediu with Cocuse lanses. Roots comme (DREDGE SAND). - 5 						2		1.5- 2.0': SAND (SP.), black.
		SEF-4	- 6193		- -	3	¥ 	20-3.01: StND (SP), gray-green, medium, with Course lanses. Roots common.
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Bottom of pit at 3 feet below ground sur				[·	•-		_	Bottom of pit at 3 feet below ground surface
Ground suitace				-			_	Bottom of pit at 3 feet below ground surface Groundwater encountered at 3 feet below ground surface.
	-	I 			<u>_</u>	<u>lo</u>		
REMARKS				MARKS				
EHCON Northwest, Inc.	L	HCON Nort	huest, In	с.		_		0141-037.27.BLANK.L77/80:1.01/19/93

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	SAHPLING HETHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	FROUND LEVELS	PREPTH IN FT.	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
							O-D.4': ASPHALT.
				-			O.4-1.1': GRAVEL (GP), gray-brown. (FILL)
				•	1		1.1-1.5': SAND(SP), black.
	SEF-F	5-0193		-	2	/ - +	1.5-3.0': SAND (58), gray-green, (DREDGE StND).
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				~			Bottom of pit at 3 feet he low around surface
					-		Bottom of pit at 3 feet below ground surface Groundwater encountered at 3 feet below ground surface.
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N.					10		
1		RI	BMARKS				-
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					EXPL	ORA	TORY TEST PIT LOG
))	LOC DUC ME	DIECT NA CATION 3 BY FHOD GGED BY	E Si B	Veyerha verett, leister ackhoe	euser Co Washing	mpany ton	Site Assessment TEST PIT NO. SEF-6 PAGE NEFBRENCE ELEV. TOTAL DEPTH 3.25' DATE COMPLETED 1/23/93
	SAMPLING HETHOD AND NUMBER	PID (în ppm)	BLOWS PER 6-INCHES	GROUND LEVELS LEVELS	AFPTH. SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC DESCRIPTION
and the second se	SEF-	RE	MARKS				D-1.0': ORGANIC DEORIS; brown, roots common 1.0-1.3': SAND (SP), black. 1.3-3.25': SAND (SP), (DREDGE SAND). Ce 1.3-20': yellow-brown. Ce 2.0-3.25': gray-green: Bottom of pit at 3.25 feet below ground surface. Groundwater encountered at 2.9 feet below ground stutace.
F)					
		hvest, In	C.				0141-037.27.BLANK.L??/so:1.01/19/93

					EXF	LORA	TORY TEST PIT LOG
)	LOC DUC MET	DIECT NA CATION 3 BY THOD GED BY	E SI B	/eyerha verett, V leister ackhoe	cuser (Washii	Company Igton	Site Assessment PAGE TEST PIT NO. SEF-7 PAGE I OF 1 REFERENCE ELEY. TOTAL DEPTH 3.75' DATE COMPLETED 1.23/93.
	SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	AFPH.	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
							0-0.3': ASPHALT:
				-	- 1		0.3-1.5': GRAVEL (GP). (FILL).
	SEF-	7-0193		- -	2	ł	1.5-2.75: SAND (SP), black.
					3	<u>+</u>	2.75-3.75': SAND (SP), gray-green. (DREDGE SAND).
				- -			
					 6	-	•
			-	-	7		
		•	-	•.		-	Bottom of oit of 225 from the second
				1	 	-	Bottom of pit at 3.75 feet below ground surfac. Groundwater encountered at 3.75 feet below ground surface.
		·RE	MARKS	^			
		thwest, In	c.				
1	not not			· · ·			0141-037.27.8LAHK.L77/88:1.01/19/93

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				EXP	LORA	TORY TEST PIT	LOG				
LOC DUG MET	JECT NA ATION BY HOD GED BY	E Si B	verett, N leister ackhoe	Washin	gton	Site Assessment Frey D. Swanson	TEST PIT NO. SEF-6 PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3.25 DATE COMPLETED 1/23/93				
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND MATER LEVELS	-REPERI		•	LITHOLOGIC . DESCRIPTION				
SEF- 6	-0193	•		2		0-1.0: SOIL (PT), 1.0-1.25: SAND (1.25-3.25: SAND (@ 1.25-2.0' @ 2.0-3.25'					
			- - - - - -	- 4 - 5 - 6 - 7 - -		Bottom of pit at 3 Groundwater enco ground surface	.25 feet below ground surface untered at 2.9 feet below				
	<u>· </u>	· · ·		10							
	RI	BMARKS									
EHCON HOP	EMCON Horthwest, Inc. 0141-037.27.8LANK.L22/88:1.01/19/93										

ĺ					EXI	<u>.</u> 2	ORA	TORY TEST PIT LOG			
1	LOC DUC MET	JECT NA ATION 3 BY THOD GED BY	E SI Bi	verett, Y eister Ickhoe	Yashi	ngto	on	Site Assessment PAGE REFERENCE BLEV. TOTAL DEPTH 2.5 DATE COMPLETED 1/23/93:			
	SAHPLING HETHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	RFFH.	굽	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION			
		, <u>,,,,,</u>						0-0.3': ASPHALT.			
					-			0.3-1.0': GRAVEL. (FILL).			
	SEF- 6	3-0193			2	¥		1.0 - 2.5': SAND (SP), gray, green. @1.0-1.5': reddish-brown stain.			
		•		<u></u>	3 -						
X				-	- 4 -						
			х.	-	- 5—						
				-	-			<i>.</i> .			
				- -	6 - -	_					
				•	- 7 						
					_						
				•	-			Bottom of pit at 2.5 feet below ground surface. Groundwater encountered at 2.5 feet below ground surface.			
ſ					-			ground suitace.			
A.		·RI	BMARKS	· · · · · · · ·	10 —						
1		thuest, I	1164		·			0141-037.27.BLANK.L??/Ba:1.01/19/93			

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	[EXP	LORA	TORY TEST PIT LOG
)	LOC DUC MET	DJECT NA CATION 3 BY THOD GED BY	E Si B	Veyerha verett, V leister ackhoe	euser (Washir	Company Igton	Site Assessment PAGE REFERENCE ELEV. TOTAL DEPTH 2.75'
	SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	LEVELS LEVELS		LITHO- LOGIC COLUNN	LITHOLOGIC DESCRIPTION
							0-0.3': ASPHALT.
				-			0.3-1.0': GRAVEL (GP) (EU)
					Á	4	1.0-2.75': SAND(SP), gray . (DREDGE SAND)
	SEF-	9-019	3		2		
		•		<u> </u>	3 -	-	
() }				-		-	
				-	4	-	
				-	5 —	-	
					- 6. –	-	
						-	
			-	-	2 —	-	
						-	
			 		<u> </u>	-	Bottom of pit at 2.75 feet below ground surface. Groundwater encountered at 2.75 feet below
~						-	ground butace
4		RH	MARKS			·····	
			**** 11/110				
Ļ	EHCON Nor	thwest, In	к.				0141-037.27.BLANK.L77/80:1.01/19/93

					EXI	21	ORA	TORY TEST PIT LOG
	LOC DUC ME	DECT NA CATION 3 BY THOD SGED BY	E Si B	/eyerha verett, \ leister ackhoe	euser Washi	Cor ingt	npany l on	Site Assessment File Assessment TEST PIT NO. SEF - 10 PAGE TOF 1 REFERENCE ELEV. TOTAL DEPTH 2.9' DATE COMPLETED 1/23/93:
	SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	-REFH.	SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC DESCRIPTION
								0-0.5': ASPHALT.
	-							0.5- 0.9': GRAVEL (GP). (FILL).
	SEF-1	०न्धवउ		• •	2	V A		0.9 - 2.9': SAND (SP), gray. (DREDGE SAND)
				<u> </u>	3 -			
				-	 5			• •
			- - -		- 6 - 7 -			
		-	-	_	 			Bottom of pit at 2.9 feet below ground surface. Groundwater encountered at 2.9 feet below ground surface.
1	•	בתי	MARKS		10			
	EHCON Hor	thwest, Ir						0141-037.27.8LANK.L77/88:1.01/19/93

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_				EXI	PL	ORA	TORY TEST PIT LOG
LOC DUC MET	JECT NA ATION BY THOD GED BY	E SI Bi	verett, \ eister ackhoe	Vashi	ngte	on	Site Assessment PAGE TEST PIT NO. SEF - 11 PAGE TOF 1 REFERENCE BLEV. TOTAL DEPTH 3' DATE COMPLETED 1/23/93
SAHPLING HETHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND WATER LEVELS	BFFH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
							D-0.3': ASPHALT.
SEF-	11- 019	3		2			0.3-3.0': GRAVEL AND SAND (GP-GM/SP), 20.3-1.2': Sight gray, with debis. 21.2-3.0': brown, with debis.
				4 . 5 - 6 . 7 .			Bottom of pit at 3 feet below ground surface. Groundwater encountered at 3 feet below ground surface.
<u> </u>	·	l		10 -			
EHCON No	R P	BMARKS					0141-037.27.BLANK.L?7/80:1.01/19/93

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			- <u></u>	EXI	PL/	ORA	TORY TEST PIT LOG
LOC DUC MET	JECT NA CATION 3 BY THOD GED BY	E Si B	verett, N leister ackhoe	Washi	ngto	on	Site Assessment TEST PIT NO. SEF-12- PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3.2' DATE COMPLETED 1/23/93
SAMPLING METHOO ANO NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS LEVELS	문관	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
			[0-0.3": ASPHALT.
			-				0.3-1.21: GRAVEL (GM), brown.
				, [E		1.2-2.3': SAND (SP), yellow-brown.
555-1	2-0193		- -	2	¥		•
			-		A		2.3-3.2': SAND (SP), gray. (DREDGE SIND).
			7	3			
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			-	4 -			
			: 	-			
				5-	_		
			-	-	_		
			-	6 -			• · ·
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			-	7 -			,
			-				
			-	-			
			-				Butter of the 2 of the 1
			• ⁻				Bottom of pit at 3.2 feet below ground surface. Groundwater encountered at 3.2 feet below ground surface.
				10			
T	·RJ	BMARKS					
ENCON Nor	thuest, I	nc	. <u>.</u>		-		0141-037.27.BLANK.L77/sa:1.01/19/93

		EXPLORATORY TEST PIT LOG											
) LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI B	verett, V eister ackhoe	Wash	ingto	on	Site Assessment PAGE TEST PIT NO. SEF-13 PAGE TOF 1 REFERENCE ELEV. TOTAL DEPTH 2' DATE COMPLETED 1/23/93					
	SAHPLING HETHOO AND HUHBER	PID (in ppm)	BLOWS PER 6-INCHES	CROUND HATER LEVELS	REPH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION					
								0-0.3': ASPHALT.					
						$\overline{\mathbb{N}}$		0.3-1.1': GRAVEL (GP), brown. (FILL).					
	SEF-	13-019	3	- -		A		1.1-2.0': SAND AND GRAVEL (SP-SM/GP-GM), black.					
				<u> </u>	-2			·					
			·		-								
				-	3								
			-	-									
1	7			-	Ч								
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				_	5-								
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				-	6								
			-	-				•					
			÷	-	7	_							
				-	-								
				-									
				-									
				.				Bottom of pit at 2 feet below ground surface - Groundwater encountered at 2 feet below					
				-		—		ground surface.					
ŀ	3	•	· · ·	<u>.</u>	- 10 -								
1		·R	EMARKS										
		IJ	•										
1	CRUN NO	rthwest,	100.					0141-037.27.BLANK.L?7/sa:1.01/19/93					

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				•	EXP	LORA	RATORY TEST PIT LOG				
	LOC DUC MET	DIECT NA CATION 3 BY THOD GED BY	E S B	verett, \ leister ackhoe	Vaslun	gton	Site Assessment PAGE TEST PIT NO. SEF-14 PAGE TOF 1 REFERENCE ELEV. TOTAL DEPTH 4' DATE COMPLETED 1/23/93				
	SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	DEPTH. SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC DESCRIPTION				
							0-0.4': WOOD DEBRIS; roots.				
	SEF-1	4-0193	•	-	1		0.4-4.0': ORGANIC SOIL, SAND, GRAVEL (PT/SP/GP), brown to black, With wood waste, roots.				
				-	3		· · · · · · · · · · · · · · · · · · ·				
{				<u> </u>	<u>ч</u> 5						
				• • •	6 — 						
		-									
			-	1			Bottom of pit at 4 feet below ground surfac Groundwater encountered at 4 feet below ground surface.				
				• • •	+ 		Bottom of pit at 4 feet below ground su Groundwater encountered at 4 feet below ground surface.				

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		EXPLORATORY TEST PIT LOG												
	LOC DUC MET	JECT NA ATION BY HOD GED BY	E SI B	verett, V eister ackhoe	Vashi	ingt	on	Site Assessment PAGE TEST PIT NO. SEF-IS PAGE I OF 1 REFERENCE ELEV. TOTAL DEPTH 2.5 DATE COMPLETED 1/23/93.						
	SAHPLING METHOO AND NUMBER	PID (In ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	AFFTH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description						
	· · · · · · · · · · · · · · · · · · ·							O-D.5': ASPHALT.						
	 				}	$\overline{\Lambda}$		0.5-1.4': GRAVEL (GP-GM), gray. (FILL). @ 1.0-1.4': Wet.						
	ÆF-le	5-0193		-	2	$\overset{\texttt{H}}{\vdash}$		1.4-2.5': SAND (SP), gray-green. (DREDGE SAND).						
		•		- <u>V</u>	3	L'								
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				 	5-									
					6			•						
				- -	7									
				_	-									
				-		 								
				-		_		Bottom of pit at 25 feet below ground surface Groundwater encountered at 2.5 feet below						
1. P.		•		-	· 10 –			ground surface.						
		·R	EMARKS		10		<u>. </u>							
		borthwest,	Inc.					0141-037.27.BLANK.L??/80:1.01/19/93						

	ſ				EX	PL	ORA	ATORY TEST PIT LOG			
···)	LOC DUC ME	DJECT NA CATION 3 BY FHOD GED BY	E S B	Veyerhad verett, V leister ackhoe	euser Wash	Con ing(mpany ton	Site Assessment TEST PIT NO. SEF - 14. PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 5.75			
	SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS		AFPH.		LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION			
ſ								0-0.4': ASPHALT.			
	SEF-16-01					¥		0.4-20': GRAVEL (GP). (FILL). @ 0.4-1.0': gray. @ 1.0-2.0': brown.			
						.\		2.0-2.5': GRAVEL and SAND (GP/SP).			
				•	3 -	_		2.5-3.5': WOOD WASTE.			
			-		4 –	_		3.5-5.75': SILT (ML), gray.			
			-								
						_					
				6		-		•			
		•	-	7	,	•					
			-								
			F		••••						
								Bottom of pit at 5.75 feet below ground surface. Groundwater encountered at feet below ground surface. (not encountered.)			
7		·REM	ARKS	10							
EHC	ON North	lest, Inc.		<u> </u>				0141-037.27.BLANK.L??/88:1.01/19/93			

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	[EXPI	ORA	TORY TEST PIT LOG	
1 	LOC DUC ME	DJECT NA CATION 3 BY THOD GGED BY	E Si B	verett, leister ackhoe	euser Co Washing	mpany ton	Site Assessment TEST PIT NO. SEF - 17 PAGE 1 REFERENCE ELEV. TOTAL DEPTH 57	0F1 0F1
	SAMPLING METHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	CROUND LEVELS	REPTH. SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC Description	
							0-0.5 : ASPHALT.	
				-			0.5-1.1' GRAVEL (GM), brown. (FILL.)	
	SEF-1	7-0193		- :	₩		1.1-2.7: GAND(SP), gray. (DREDGE	SAND).
				<u>-Ţ</u>	2		•	
			ŀ					
				•	3 —		2.7-50: SILT (ML), brown.	
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							Bottom of pit at 5 feat helper annual	
			_				Bottom of pit at 5 feet below ground Groundwater encountered at 2-1 feet be ground surface.	low
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· 3		RE	MARKS					
LE	HCON HOLD	hvest, In	c.					
							0141-037.27.BLANK.L??/sa:1.0	1/19/93

	ĺ				EXP	LORA	ATORY TEST PIT LOG
Y	LOC DUC ME	DIECT NA CATION G BY IHOD IGED BY	E Si B	Veyerhad verett, V leister ackhoe	user C Vashin	ompany gton	Site Assessment File Assessment FAGE FAGE TOTAL DEPTH Frey D. Swanson TOTAL COMPLETED TOTAL 2000 TOTAL 200
	SAMPLING HETHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS LEVELS	LN FTH	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	•						0-0.4': ASPHALT.
					 /		0-4-1.2': GRAVEL (GP), Coarse, brown (Fill)
			t			╆───	1.2 - 1.5 : SAND(SP), black.
			ſ				
ļ	SEF-1	8-0193		-	² ∦ -₩	•	1.5-4.0': SAND (SP); gray (DREDGE SAND).
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J			-	<u> </u>			
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			F				
		-	F.	-			
			ŀ		_		Bottom of pit at 4 feet below ground surface
			-				Bottom of pit at 4 feet below ground surface. Groundwater encountered at 3.5 feet below ground surface.
7			·l	10		L_	
		REM	(ARKS	_			
EH	CON North	Hest, Inc.					

					EXPI	ORA	TORY TEST PIT	201
()	LOC DU ME	DIECT NA CATION G BY THOD GGED BY	E S B	Veyerha verett, leister ackhoe	euser Co Waslung	mpany ton	Site Assessment Frey D. Swanson	TEST PIT NO. $SEF - 19$. PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3.25
	SAMPLING HETHOO AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND LEVELS	AFPH. SAMPLES	LITHO- LOGIC COLUKN		LITHOLOGIC DESCRIPTION
							D-0.3': ASPHALT	
				-			0.3-1.0': GRAVEL	(GM), brown. (FIII)
	SEF-	9-019	3	-	2		(10= 7.25 : 54ND). 54ND). @ 1.0-1.3': @ 1.3-1.7': @ 1.7-2.0';	(5P), fine to coanse. (DREDGE brown. gray. black.
				<u> </u>	3			
			-	•	Ч —			
			-	-	5			
			-		6 — —			
			-	:	≁ — —			
			-				Groundwater encour ground surface.	5 feet below ground surface. HereΩ at 3.25 feet below
V -		REN	ARKS	1()[l,		
		;						
EH	CON North	Hest, Inc	•				· · · · · · · · · · · · · · · · · · ·	0141-037.27.BLANK.L?7/8a:1.01/19/93

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					EXPI	LORA	TORY TEST PIT	LOC
. `\`	LO DU ME	DIECT NA CATION G BY THOD IGED BY	E S B	leister	euser Co Washing	mpany ton	Site Assessment	TEST PIT NO. SEF - 20. PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 3.5
					T	/	arcy 2. Swanson	DATE COMPLETED 1/23/93
	SAHPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND	DEPTH. SAMPLES	LITHO- LOGIC COLUMN	r r	LITHOLOGIC . DESCRIPTION
							A-AALL ASDILL	
				-			0-0.21: ASPHALT.	
					J			(GP), brown. (FILL).
	_			_ ·			1.0 - 3.2': SAND (S	SP), medium
	SEF-	20-09	3		ĮΫ		P. 1.0 - 1.3'	1 Block
			ŀ	-	2 [A]		@ 13-19'	: black. : yellow - brown. : gray.
				_	LV		@ 1.9-2.2'	gray.
				7			0 1 92	. 0
	·		ŀ	<u>Ā</u>	3 -		•	
			Ĺ				3.2-3.5 . 505	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						· T		(ML), gray, plastic.
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			F	7	·			
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		-	-					
				•-				
			Ē				Groundwater encount	feet below ground surface. ered at 3.0 feet below
Ĺ							Junn suitace.	
1			(	10	<u> </u> _			
. 1.		REM	AKKS				· · · · · · · · · · · · · · · · · · ·	
EHC	ON Northu	est, Inc.						
							•	0141-037.27.BLANK 127/00-1 01/10-02

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		EXPLOR	ATORY TEST PIT LOG
)) (	PROJECT NAME LOCATION DUG BY METHOD LOGGED BY	Weyerbacuser Company Everett, Washington Sleister Backhoe Holly J. Gener / Je	Site Assessment TEST PIT NO. $SEF - 2I$ PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 4.25'
	SAMPLING PID BLO HETHOD (In ppm) PE ANO NUMBER 6-INC		LITHOLOGIC DESCRIPTION
			0-0.4': ASPHALT.
	SEF-21-0193	- 2	0.4-1.1': GRAVEL (GP-6M), brown. 1.1-3.5': SAND (SP), gray, medium. (DREDGE SHA). @ 1.1-1.2': black.
		- 4	3.5-4.75': SILT (ML), gray, plastic.
			•
			Bottom of pit at 4:75' feet below ground surface. Groundwater encountered at 3.1' feet below ground surface.
	REMARKS	101	
Cheo	W Northwest, Inc.		0141-037.27.8LANK.L??/80:1.01/19/03

					EXPL	<b>ORA</b>	RATORY TEST PIT LOG				
4	LOC DUC ME	DECT NA CATION 3 BY FHOD GGED BY	E SI B	/eyerha verett, ` leister ackhoe	euser Co Washing	mpany . ton	Site Assessment PAGE 1 OF 1 REFERENCE ELEV. TOTAL DEPTH 5:5' DATE COMPLETED 1/23/93				
	SAHPLING HETHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	CROUND LEVELS	LREPTH. SAMPLES	LITHO- LOGIC COLUNN	LITHOLOGIC DESCRIPTION				
							D-D.3': ASPHALT.				
		•		•			0.3-1.0' -GRAVEL (GP). (FILL.)				
						1.0-1.75': SOIL WITH GRAVEL (PT/GP).					
	SEF-	29-01ª	13	- 	2 #		1.75-3.75': SAND (SP), medium. @1.75-2.1': brown. @2.1-2.2': black, with silf. @22-325': Stack, with silf.				
				<u>V</u>			@ 2.2-3.75': green-gray, coarsens doronward.				
				•	4 — —		3.75-5.5' SILT (ML), gray.				
				-	5	·····					
				- (	6		•				
			. [.]			-					
				-							
			+								
		-	F				Bottom of pit at 5.5 feet below ground surface. Groundwater encountered at 3.5 feet below ground surface.				
. J.		·RP	MARKS	j	101						
	EHCON Hor	thwest, In									

Appendix B – Data Validation and Laboratory Reports - Missing

APPENDIX C FIELD SAMPLING DATA SHEETS



18912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766

LOCATION/ADDRESS PROJECT NAMEW	gerhaeuser Everett	<u>1 0141-037,27</u>	Well or Surface Site Nu Sample Designation Date, Time Weather	MW1005-0193 1-21-98 12	
HYDROLOGY MEASUREM (Nearest .01 (I.) dW = 7.73 dW = 7.73 dW = 12.75 $\Lambda = 5.02$	ENTS: 2," Elevation ,	Date, Time <u>1-20-93 09:05,</u>	Method Used ( Solinst (#2	M-Scope Number or Olher) )	
WELL EVACUATION: { p Gallons Po	v. = .82 qallon re Volumes M 3 t, disp	ethod Used	Rinse Method N (A	Date, Time 1-21- 53	,
Surface Water Flow Speed	<u>• NIA</u> ,	Measurement Method	i(A,	Date, Time VA	, ,
SAMPLING:         Date,         Time         Time         I-21-93         Image: Sample         Image:	<u>o 32 " 8.0</u> °	Par. 18:30 Par. 18:30 Par. 11:38 Par. 1		(yes,no) Methor (yes,no) Methor detergent v H2O fina MeOH fin Distilled H rinse	halic Wash Se
	at pv#3', s	lightly to clear - s	<u></u>		
custoriy seal	; 2206 cntainer#1	. 2205 *:	2 , 2218 #3		- <b></b>
Tolal # of Boules>/		<u>، م</u>	SIgnature:	Sedi- SEA-400	



18912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766

## Field Sampling Data

(		Well or Surface Site Nu	this tent
	LOCATION/ADDRESS	Sample Designation	
	PROJECT NAME Weyerhauser Everett " 0141-037.27	Date, Time	1-21-93 11:00
	CLIENT/CONTACT	Weather	
	HYDROLOGY MEASUREMENTS: $2''$ (Nearest .01 II.) Elevation Date, Time $\frac{2!(w = 8.19)}{2!(0.2000)}$ , $\frac{1-20-92}{2!(0.2000)}$ , $\frac{1-20-92}{2!(0.20$	Method Used (M 	I-Scope Number or Other)
ж	WELL EVACUATION: 1 p.V. = 3.57 gallon	· · · · · · · · · · · · · · · · · · ·	
<b>γ</b> ι	Gallons Pore Volumes Method Used	Rinse Method kawalar, metronal, datilat water	Date, Time 1-21-93 10:39
	Surface Water Flow SpeedN/A, Measurement Method	N/A	Date, Time N/A
			Date, Time
	SAMPLING:		
(	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Fleid Filtered Preserva (yes,no) tive N, $HchN$ , $-N$	Iced Sampler (yes,no) Method (yes,no) Method detergent wash H2O rinse Distilled H2O rinse
•	FIELD WATER QUALITY TESTS:		
•	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
	NOTES:		· · · · · · · · · · · · · · · · · · ·
-	<u>purge</u> , water: clear to diality sity, musily odar (also ? cannot define)		
	r.	······································	
	•		
1	ð		
			· · · · · · · · · · · · · · · · · · ·
	Total # of Bottles:	SIgnature:	
		and pe	SEA-400-01
	the second s		SEX-400-01

<b>EMCON</b> Northwest, Inc. 18912 North Croek Parkw Office (206) 485-5	( /ay, Suite 210 • Bothell, WA 98011 5000 • FAX (206) 486-9766	Field Sampling Data
LOCATIONIADDRESS PROJECT NAME CLIENT/CONTACT	Everett # 0141-037,27	Well or Surface Site Number <u>MW401</u> Sample Designation <u>MW/01-093</u> Date, Time <u>1~21-93 12:30</u> Weather <u>clarky</u> 40:5
HYDROLOGY MEASUREMENTS: 2 ⁴ (Nearest .01 (1.) Ele dtw = 7.71, dtb = 9.16, $\Delta = 1.45$	vation Date, Time , <u>1-20-93_09;14_,</u>	Method Used (M-Scope Number or Other)
WELL EVACUATION: $  p_N, = 24 qalloGallons Pore Volumes\frac{175}{3t}, \frac{3t}{100},$	Method Used	Alnse Method Date, Time $V A$ , $1-2(-93)$ $\mathbb{Z}24$
Surface Water Flow Speed NA	, Measurement Method	NA Date, Time NA
SAMPLING: Date, Date, Time Method VTPH-P <u>1-21-93</u> , <u>d.b.</u> , <u>PAH</u> , <u>12:30</u> , <u>""</u> <u>dis Ar</u> , <u>""</u>	Volume Container Taken (mi) K qkiss NIA, 	Field Filtered Preserva- Iced Sampley (yes,no) tive (yes,no) Method Non-Phosphatic detergent wash Non-Phosphatic detergent wash H2Q rinse MeOH rinse MeOH rinse MeOH rinse
FIELD WATER QUALITY TESTS: Pore Vol. Number $pH$ Conductivity $1$ 6.35, $30 \mu S$ 2 2.34, $1313$ 6.35, $1373$ 6.35, $137$	$\begin{array}{c} +ime \\ +ime \\ \underline{f}_{i} $	
	b moderately sitty, dive brown in odor (?)	<u>cl</u>
· · · · · · · · · · · · · · · · · · ·		·
	······································	•
Total # of Bottles:		_Signaturo: Tom Both SEA-400-01

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Emcon ( Northwest, Inc. 18912 North Creek Parkway, Suite 210 • Bothell, WA 98011	Field Sampling Data
Office (206) 485-5000 • FAX (206) 486-9766 LOCATION/ADDRESS	Well or Surface Site Number <u>MW-102</u> Sample Designation <u>MW12-0193 / MW102-0193</u> Date, Time <u>1-22-93 16:00, 1-25-93 Weather</u>
HYDROLOGY MEASUREMENTS: $2^{\prime\prime}$ (Nearest .01 ft.) Elevation Date, Time 	Method Used (M-Scope Number or Olher)
<u>-D1</u> , <u>-D6+</u> , <u>11</u> ,	Rinse Method Date, Time detilleduater - > - see De by (d.w), method d.w., - +25-93 13:19 A Date, Time NA
SAMPLING: Sample b). MW102-0193 Date, Sample Time Method (mi) Type (feet) TRI-6/DTEX 1-22-93, d.b., $2x40^{\circ}$ , $v1q$ , $N A$ , (1000, 000, 000, 000, 000, 000, 000, 000	Field Filtered Preserva- (yes,no) tive (yes,no) Method N, H, Non-Phosphalic detergent wash H20 rinse N,
Pore Vol.       TIPE DELOW.       Time.         Number       pH       Conductivily       Temp       En $\frac{1}{2}$ $6.13$ $555.48$ $11.5^{\circ}$ $13.12$ $.5000$ $\frac{2}{3}$ $6.14$ $521$ $1.5$ $13.16$ $.251 \text{ m}$ $3$ $6.14$ $493$ $1.5$ $13.16$ $.251 \text{ m}$ $3$ $6.14$ $.493$ $1.5$ $13.19$ $.251 \text{ m}$ $3$ $6.14$ $.493$ $1.5$ $13.19$ $.251 \text{ m}$ $3$ $6.14$ $.493$ $1.5$ $.1319$ $.251 \text{ m}$ $1000000000000000000000000000000000000$	
Notes: <u>purge water</u> : dispossable bailer returning 2 1/4 Full <u>purge water</u> moderately to heavily silf <u>SI</u> Finding abundant amounts of (appaven <u>when spurgeing clogging bailer can</u> <u>due to small rtn. p.w., will skip som</u>	ed the) Colorado Silka Sand in bailer using quick leakage (writ sitt, sand)
TOTAL # OF BOILIES: 2.+ 5= 7 purge water moderity well the same burge water moderity w	collen but

Emcon ( Northwest, Inc. 18912 North Creek Parkway, Suite 210 • Bothe Office (206) 485-5000 • FAX (206) 485	Field Sampling Data
LOCATION/ADDRESS PROJECT NAME Wever focusor Everet # 041-0 CLIENT/CONTACT	Woll or Surface Site Number         MW - 1035           Sample Designation         MW 1035 - 0193           037:27         Date, Time         1-22-93         15:0           Weather         Cloudy hail         40 c
	te, Time Method Used (M-Scope Number or Other) 3 09:23, Solunst (#2)
WELL EVACUATION: 1 p.v. = ,10 qallon Gallons Pore Volumes Method Used <u>3</u> , <u>3</u> , <u>3</u> , <u>3</u> , <u>4</u> ,505000 Vaiky <u>10</u> , b.	
SAMPLING:	ent Method NA Date, Time NA
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} (\text{feet}) & (\text{yes,no}) & \text{tive} & (\text{yes,no}) & \text{Method} \\ (\text{feet}) & (\text{yes,no}) & \text{tive} & (\text{yes,no}) & \text{Method} \\ (\text{yes,no}) & \text{Method} & (\text{yes,no}) & \text{Method} \\ (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) & (\text{Method}) \\ (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) & (\text{Method}) \\ (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) & (\text{Method}) \\ (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) & (\text{Method}) \\ (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) & (\text{Method}) \\ (\text{detergent wathod}) & (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) \\ (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) \\ (\text{detergent wathod}) & (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) & (\text{yes,no}) \\ (\text{yes,no}) & (\text{yes,no)} & (yes,no$
NOTES: 	
Total # of Bottles;	

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Kence Northwe 18912 North Office		10 • Bothell, WA XX (206) 486-976	98011 6	( Fiel	d San	nplinç	g Data
LOCATION/ADDRESS	pechaniser Everett	<u># 0141 - 037</u>	, 27		ce Sile Numbe gnallon	MW10 1-21-4	30-0193
HYDROLOGY MEASUREME (Nearest .01 II.) 	Elevation	Date, Tim . <u>1-20-13 6</u>		Metho Solunst (	d Used (M-Sc #2)	ope Numbe	r or Olher)
WELL EVACUATION: 1 p.V. Gallons Por S S Surface Water Flow Speed		Meihod Used Istalitic pump, Measurement Me	<u>den</u>	onized water	methonol	Date, -21-93 Ne, Time <u>N</u>	
SAMPLING:         Date,           Sample         Time           VoC         1-21-93           TPH-D         H           PAH         N           Vis Arc.         U	Volume Method (ml) d,b, $3x40$ , $\frac{12}{4}$ , $12$ $\frac{12}{4}$ , $\frac{12}{2xpt}$ ,	Container Type VVa qless N Poly	Depth Taken (feet) , , , , ,	Field Filtered (yes,no)	Preserva- tive HCI 	Iced (yes,no) 	Sampler Cleaning Method Non-Phospitatic detergent wash H2O rinse MeOH rinse Distilled H2O rinse
FIELD WATER QUALITY TES Pore Vol. Number $pH$ <u>1</u> <u>6.40</u> , <u>2</u> <u>6.40</u> , <u>3</u> <u>6.40</u> , <u>4</u> <u>6.42</u> , <u>5</u> <u>6.42</u> ,	Conductivity       Tem $0   0   s S$ $    ^{\circ}C$ $30$ $  6, $ $57$ $  6, $ $  1   0  $ $  1   s S$ $  1   0  $ $  1   s S$ $  1   0  $ $  1   s S$	time EH <u>14:13</u> <u>14:23</u> <u>4:29</u> <u>14:35</u> <u>14:41</u>	2001 31 m 3 m 3 v 3 v				
NOTES: 	: clear mrsty (?) odo at p.v # 9 rotter	r <u>1 eq. sulturaus.</u>	(?) l _{ike}	odor		· · · · · · · · · · · · · · · · · · ·	
		· · · · · · · · · · · · · · · · · · ·					
Total # of Bottles:	· · · · · · · · · · · · · · · · · · ·			Signature;	Tan Po	dh	SEA-400-01

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	Northwest, Inc.			Field S	ampling Data
	18912 North Creek F Office (206) 4	arkway, Sulto 210 🔹 Botholl, WA 85-5000 单 FAX (208) 486-9766	98011 5		
$\overline{\mathbf{N}}$				Well or Surface Site N	lumber <u>MW-104</u>
	LOCATION ADDRESS	ser Burrett 1 0141-037.	<u></u>	- Sample Designation	
	CLIENT/CONTACT		<u> </u>	Date, Time Weather	
	HYDROLOGY MEASUREMENTS: 2"				
	(Nearest .01 (l.) 	Elevation Date, Time	1 <u>.51</u> , .	Method Used	(M-Scope Number or Olher)
	<u> </u>				
	WELL EVACUATION: 1 p.N = .26 q Gallons Pore Volume				
		,		Rinse Method	Date, Time
	Surface Water Flow Speed	, Measurement Met	 thod	N/A	Date, Time NIA-
•	SAMPLING:				
	Date,	Volume Container	Depth Taken	Field Fillered Prese	wa- lced Sampler
	Sample Time Method WTPH-D, 1/21/93, 5.6	1 (ml) Type	(feet) N/A	(yes,no) tive	Cieanino'
	<u>PAH</u> / 3:00 "	$-\frac{10}{12}, \frac{11}{1}, $		<u>N</u> , <u> </u>	, <u> </u>
•	pioxin,	IR II	<u>"</u>	<u>N</u>	
41 N	<b>V</b>		·	<u> </u>	22 rinse
	HELD WATER QUALITY TESTS:				
	Pore Vol. Number pH Conduct		50.0	ł	
•	<u>1 (0.58 (492,10)</u> <u>2 (0.56 1716</u>	<u>15.5%</u> <u>12:15</u>	.30	fellor.	·
	<u>3, 4,58, 1706</u>	,,,,	,25	<u>n</u> , <u></u> ,	······································
	· · · · · · · · · · · · · · · · · · ·	,,,		, ,,	·,,
	NOTES:		ALL	and .	
	purge water : <	light to moderately city (1	havy sit	ty ja hi	:
	· ·	in color			
	<	harcoal like odor			· · · · · · · · · · · · · · · · · · ·
		tell-Filtered for dis. As ,	<u>vsing</u> a	merotar and peri	statty DUND
		as car battery with out	i. iev	ry viaced tube	
			- <del>, _, _, ``</del>		·
	· ·				
	)				
4	Total Hall Davis le			1	~ 2 M
	Total # of Bottles:			Signature:70	Du Balle SEA-400-01

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Field Sampling Data	Field	Sampling	Data
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LOCATION/ADDRESS PROJECT NAME Frevet Weyer CLIENT/CONTACT	Naeuser 11 0141 037	Sample Designa Date, Time	tion	12:00
<u> </u>	ilevation Date, Tim 1-20-93 C	ne Method ( 1943, <u>Soluct (</u> #: 	Jsød (M-Scope Number ol 2)	Other)
CLIENT/CONTACT       Weather       Fartly closely (d)         HYDROLOGY MEASUREMENTS: 2///       Elevation       Date, Time       Method Used (M-Scope Number or Other)         HYDROLOGY MEASUREMENTS: 2///       Elevation       Date, Time       Method Used (M-Scope Number or Other)         HYDROLOGY MEASUREMENTS: 2///       Elevation       Date, Time       Method Used (M-Scope Number or Other)         HYDROLOGY MEASUREMENTS: 2///       Elevation       Date, Time       Solute f (#2)         HYDROLOGY MEASUREMENTS: 2///       Elevation       Date, Time         HYDROLOGY MEASUREMENTS: 2///       Elevation       Date, Time         HYDROLOGY MEASUREMENTS: 2///       Method Used       Method Used (M-Scope Number or Other)         HYDROLOGY MEASUREMENTS: 2///       Elevation       Date, Time         MELL EVACUATION: 190 = .31 qation       Method Used       MIA       Farme         Galions       Pore Volumes       Method Used       MIA       Farme         Surface Water Flow Speed*       NA       Method       MIA       Date, Time       Sample         Sample       Time       Method       Minit       Type       Getter       Sample       Sample         Sample       Time       Method       Minit       Type       Meethod       Mon. Phosphod	me 32			
Surface Water Flow Speed - NIA	, Measurement Me	ethod NA	Date, Time	·,
SAMPLING: Date, Date, Sample Time Method WATH-GSTEX 1-22-13, $d.b$ 1200, $d.b1200$ , $d.b1100$ , $d.b$	$\begin{array}{c} (m1) & Type \\ 2^{\times} 40 & \sqrt{141} \\ 12 & qless \\ 1k & \mu \\ 1k & \mu \\ 1k & \mu \\ 1k & \mu \\ 1k & \eta \\ 1k $	Taken       Filtered $(1eet)$ $(yes, no)$ $N A_{-}$ $N_{-}$ $N_$	tive (yes,no) #C,, N ,, d ,, d , m_, d , m_, d	۲ ;
purge mater : moderat	sly to strongly silty, bl odor, hydro carbon lill	ack dive brown in		· · · · · · · · · · · · · · · · · · ·
Total # of Bollies:	· · · · · · · · · · · · · · · · · · ·	Signature:	Tom Bally	SEA-400-01

Emcon Northwest, Inc. 18912 North Creek Parkin Office (206) 485-	( vay, Śuite 210 ● Bothell, WA 98011 5000 ● FAX (208) 486-9766	( Field Sa	mpling Data
LOCATION/ADDRESS PROJECT NAME <del>Voyar hardser</del> CLIENT/CONTACT	Event- # 0141-037,27	Well or Surface Site Num Sample Designation Date, Time Weather	<u>MW105D-0173</u> 1-22-93 10;30
HYDROLOGY MEASUREMENTS: 2" (Nearost .01 11.) Eli otw & 8.44 (no.surreymark 	Date, Time           )         1-20-93 09:41,           h t.o.c.	Method Used (M.S. Schinst (#2)	Scope Number or Other)
WELL EVACUATION: 1 p.V = 3,12 Gallons Pore Volumes	Method Used 	Rinse Method	Date, Time 1-22-92 09:59
Surface Water Flow Speed NA	, Measurement Method]	N[A	Date, Time NA
Date,         Date,         Sample       Time       Method         VOC       1-02-13       d.b.         W:30	VolumeContainerDepth(mi)Type(leet) $3\times40$ $\sqrt{10}$ $\sqrt{14}$ $12$ $\sqrt{10}$ $\sqrt{14}$ $12$ $\sqrt{10}$ $11$ $12$ $11$ $11$ $12$ $11$ $11$ $12$ $11$ $11$	Filtered Preserva-	Iced Sampler Iced Cleaning (yes,no) Method Non-Phosphalic detergent wash H20 rinse n H20 rinse n Dis(iiled H20 rinse 1
r1ELD WATER QUALITY TESTS: Pore Vol. Number pH Conductivity <u>1</u> ( <u>1280</u> , <u>1280</u> , <u>1260</u> <u>3</u> , <u>6.16</u> , <u>1260</u> <u>1260</u> <u>1260</u> <u>1260</u> <u>1260</u> <u>1260</u> <u>1260</u> <u>1260</u> <u>1260</u> <u>1260</u>	Temp         En           14.5°C         01:16           14.5°C         01:33           14.5°C         01:53           14.5°C         01:53           14.5°C         01:53	qallon_,,	
	(trace silt)		
musty a	· · · · · · · · · · · · · · · · · · ·		
god rec	alvy		······································
			· · · · · · · · · · · · · · · · · · ·
	·		
Total # of Bottles:		Signature: Jon But	SEA-400-01

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Emcon Northwest, Inc. 18912 North Creek Park Office (206) 485-	( way, Śulto 210 ● Bothell, W 5000 ● FAX (206) 486-97	M 08011	Sampling Data
LOCATION/ADDRESS PROJECT NAME Weyer	Everet 1 0 H1 - 037.	Well or Surface Sample Design 27 Date, Time Weather	ation
HYDROLOGY MEASUREMENTS: $2''$ (Nearest .01 ft.) EI dW = 3.25 dW = 5.90 $\Delta = 2.65$	evation Date, Th 	me Method 2;55 Solfast (#2	Used (M-Scope Number or Other)
WELL EVACUATION: 1. p.v. = , 43 Galions Pore Volumes 1.5	yallon Method Used 	Ainse Method	Date, Time
SAMPLING:	, measurement m	ethod <u>NA</u>	Date, Time <u>NIA</u> ,
Date, Sample Time Method <u>THH6/RTEX 1-21-93</u> , <u>dib,</u> <u>ici:15</u> , <u>ici:15</u> , <u>ici:15</u> , <u>ici:15</u> , <u>ici:15</u> , <u>ici:15</u> , <u>ici:15}, <u>ici:15</u>, <u>ici:15, ici:15, ici:1</u></u>	Volume Container (mi) Type $2\times 40$ , Vio 10, $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $10$ , $1$	DepthFieldTakenFiltered $\{leet\}$ $(yes, no)$ $N A$ $N$ $N A$ $N A A$ $N A A A A A A A A A A A A A A A A A A A$	Preserva- tive (yes,no) Method HV, Non-Phosphalic detergent wash H20 rinse MeOH rinse HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2 HV/2
FIELD WATER QUALITY TESTS:         Pore Vol.         Number       pH       Conductivity         1       6.73       573 4S         2       6.17       559         3       6.73       533	$\begin{array}{c} \text{Temp} \\ \underline{8,5^{\circ}C} \\ \underline{15:41} \\ \underline{7.0} \\ \underline{6.5} \\ \underline{16:00} \\ 16:0$	50 sallar. 	K
NOTES: <u>purge water: modra</u> odar: <u>q.m.)</u> reel		bravin in color (	toward black shade)
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V		- 	
Total # of Bottles:		Signaturo:	In Folle
••••			SEA-400-01

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< <b>+ B</b>	mcon orthwest, Inc.	(		( Field	Samplin	a Data
18:	912 North Creek Park Office (206) 485	way, Suite 210 • Bothell -5000 • FAX (206) 486-	, WA 98011 -9766			
LOCATION/ADDRE PROJECT NAME _ CLIENT/CONTACT	Wover haeuser	Evocet 1 0141.	087-27	Well or Surface Si Sample Designati Date, Time Weather	te Number <u>MW-</u> on <u>MW1</u> 1-20- raing	107 7- 0:93 -93 13:30
нуdrology меа (Nearest 	01 (I.) E 82,	levallon Date	, Time , ,	Method U: Solast #2	sed (M-Scope Numb	er or Olher)
	N: 1 pv = -81 Pore Volumes 31	Jallon Method Used 	;	Rinse Melhod NA	Date	ə, Time  3.  ?
Surface Water Flow	Speed <u>NA</u>	, Measuremei	nt Method	MA	Date, Time _	NA
فيبتعد الكلينية	•	VolumeContainer(mi)Type $2 \times 40 \text{ ml}$ $1 \text{ class}$ $1 \text{ class}$ $-1 \text{ class}$ $2 \times 500 \text{ ml}$ $-1 \text{ mly}$	Depth Taken (feet) WA, ,,	(yes,no)	eserva- Iced tive (yeş,no) C.L	Sampler Cleaning Method Non-Prosphat detergent was H2O rinse MeOH rinse Distilled H2C rinse
FIELD WATER QUA Pore Vol. Number . pi 	H Conductivity	tim <u> </u>	<u>s laall</u>	×		
		ately sitty, dark olive carbag like odor		colar		
·:	<del>X</del> copi	nus sheen	···· ,			
			, <u>, , , , , , , , , , , , , , , ,</u>		· <u> </u>	**************************************
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KEMCON Northwest, Inc. 18912 North Creek Perkway, Suite Office (206) 485-5000	210 ● Bothell, WA 98011 FAX (206) 486-9766	Field S	ampling Data
LOCATIONIADDRESS PROJECT NAMEWeyer. Everett CLIENT/CONTACT	<u># 0141-037.27</u>	Well or Surface Site f Sample Designation Date, Time Weather	MW1085-0193 1-20-93 16:30
HYDROLOGY MEASUREMENTS: $2^{\prime\prime\prime}$ m.w. (Nearest .01 (I.)) Elevation $d_1W = 4.43$ $H_0 = 9.40$	Date, Time 	Melhod Used	(M-Scope Number or Olher)
$\Delta = \frac{4.77}{1000}$ WELL EVACUATION: 1 p.V.=.78 qallon Gallons Pore Volumes <u>4</u> , <u>5</u>	Method Used Mo-hoppoole, hiter, Measurement Method	Rinse Method N/A, N/A,	Date, Time 
SAMPLING: Date, Volum Sample Time Method (ml) $\underline{VIHG3IEX}$ 1-20-93, 0.0, 24-40 $\underline{VIHG3IEX}$ 1-20-93, 0.0, 24-40 $\underline{VIEX}$ 1-20-94, 0.0, 24-40	Depth e Container Taken Type (feet) 	Filtered Prese (yes.no) tiv	e (yes,no) Method , , , Non-Phosphalic delergent wash , , , H2O rinse
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
NOTES: <u>purge water</u> moderately to s <u>hydro carbon</u> <u>sheen (moder</u>	trongly silty, dark olive like odor rate:) ob served atop	braun in color p. water	
	· · · · · · · · · · · · · · · · · · ·		
Total # of Bottlos: 5		SIgnature:	Forth SEA-400-01

	EMCO	n È							
~ ~ /	Northwest,		•			Field	l San	npling	Data
<u>,</u>	18912 North Cr Office (2	eek Parkway, 06) 485-500	Suite 210 0 ● FAX	) • Bothell, W (206) 486-97	A 98011 66				
LOCATION/ADD PROJECT NAME CLIENT/CONTA	= <u>Weyer</u>	Everet		<u>* 0]4[ - 08</u>	7.27	Well or Surfact Sample Design Date, Time Weather	nation	MW 10 1-20-7	8D-0193
	EASUREMENTS s1.01 (1.) <u>= 6.35</u> <u>= 30.50</u> = 24.15	5: <b>2."</b> Elevat	ion 	Date, TI <u>1~20-93 08</u>	me :3 <u>9</u> , .	Solinst #	l Used (M·Se 2	sope Number	or Other)
WELL EVACUAT Gallons 20 Surface Water F	rion: 1 p.v.= 3 Pore Vo 5 t	olumes ,		ihod Used الدي الله Measurement N	•	Rinse Method switer, method d. i.s. water A	· · · · · · · · · · · · · · · · · · ·	Date, - 20-93 ate, Time <u>N</u>	<u>14:54</u> .
SAMPLING:		• · · · · · · · · · · · · · · · · · · ·		, , , , , , , , , , , , , , , , , , ,		· · · · · · · · · · · · · · · · · · ·			
Sample	0-93, 0 15:15 " "	Method <u>Ispoalle</u> , <u>s</u> <u>bailer <del>;</del></u> <u>B</u>	/olume (m)) <u>3×YO</u> , . <u>1</u> 2, . <u>1</u> 2, .	Container Type Via	Depth Taken (fget) <u>V/4</u> , '' ''	Field Filtered (yes.no)	Preserva- tive HCI	lced (yeş,no) -,, -,, -,, -,, -,, -,,	Sampler Cleaning Method Non-Phosphalic detergent wash H2O rinse MeOH rinse Distilled H2O rinse
FIELD WATER ( Pore Vol. Number , ( , ( , ( , ( , ( , ( , ( , (	рн Сс 88 Д	: onductivity 16 * 10 * 10 * 13 "	Temp <u>  .5°C</u> <u> 2.0</u>   <u>1.5</u>   <u>1.5</u>   .5	-time Ex . 14:21 . 14:30 . 14:40 . 14:40 . 14:48 . 14:54	_, _4aa _,, _,, _,, _,,	······································		······································	
NOTES: ئ	rge water :	<u>clear to =</u> hydro carb	•	itty, odor	· · · · ·			· · · · · · · · · · · · · · · · · · ·	
		excellent ve	charge.				•		<u> </u>
·	<u> </u>		•	······					
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• · · · · · · · · · · · ·		<u></u>				· · · · - ·	Tom		<u> </u>

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Υ.	18912 North Cre Office (20	ek Parkway, Suite 2 6) 485-5000 ● F	210 ● Bothell, W AX (206) 486-970	a 98011 56			44.5.1	
LOCATIONIAE PROJECT NAI CLIENT/CONT	ME Weyer.	zvenett	H_0141-037.	27	Well or Surfac Sample Dosig Date, Time Weather	nation	MW 10° 1-20- 9	-0193
(Nea dtw	MEASUREMENTS: rost .01 (1.) = 4.97 = 10.70, = 5.73	こ" Elevation	Date, Tir <u>1-20-9308</u>	ne ;25	Melho Solinst (	يd Used (M-Sc 件 2 )	ope Number c	or Olher)
	, <u>4</u> +	umesd	Method Used	<u> </u>  \\	Rinse Method	, <u>1-</u>	20-9-3 11:	ime [4]
Surface Water	Flow Speed	A	Measurement M	lethod <u>N</u>	<u>A</u>	, Di	ate, Time N	<u>A</u>
Sample T <u>PH-G/BIFX</u> T <u>PH-D</u> , <u>PAH</u> , <u>PAH</u> , SAS,	$\begin{array}{c} 1 \\ 1 \\ 3 \\ 1 \\ 3 \\ 1 \\ 3 \\ 1 \\ 3 \\ 1 \\ 1$	Volume (m) b $2 \times 40$ $2 \times 40$ 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 2 2 2 2 2 2 2	Container Type Vial,	Depth Taken (feet) , , ,	Field Filtered (yes,no) N, - N, - N, - N, -	Preserva- tive +K1    HNQ3	Iced (yes,no)	Sampler Cleaning Method Non-Phosphalic Jetergent wash H2O rinse MeOH rinse Distilled H2O rinse
FIELD WATEF Pore Vol. Number 	pH       Cor         6.18       12         6.17       3         6.17       3         6.12       4         6.12       4         6.12       4	<u>8                                    </u>	time time time <u>c</u> , <u>10:56</u> <u>11:02</u> <u>11:08</u> <u>11:14</u>					······································
NOTES:	urge water:	moderatchy musty odo	<u> </u>	rown in	colar	1		
		small amount	of sheen o	o bunada	top p.w	ater		
	· · · · · · · · · · · · · · · · · · ·							

Northwest, Inc.

Chain of Custody / Laboratory Analysis Request

1001 (110000), 1110.	Weyerhaeuser Erect .			SAMPLERS NAME 7 OM BOUL	SAMPLERS SIGNATURE TOM PAUL	SAMPLE1.D. DATE TIME	1. MW 605 -083 1-21-93 12:00	2. MW 100 D-01 93 1-21-23 11:00	3. MW lot -0193 1-21-25 12:30	4. MW 103D-0193 1-2-915:00	5. MW 106 - 01 93 1-21-33 16:15	6. MW107 - OL93 1-20-50 13:30	7. M.W.1085 - 0193 1-20-53 16. 30	". MWICED- 0193 1-20-50 1515	Relinquished By EMCON Northwest, Inc. Relinquished By Torn And R	Signature 7 Signature Tom Balle	Printed Name	нш. 1-20-93 //:/ЛЛ		accived By - A CODO Received By	Signatury BANNE CHAPPEC Signature	Printed Name	las 1600 Film
	1. 0141 037,27			PHONE # 485-5000		LAB L.D. TYPE	water							<b>~</b>	By			and a second					
	ANALYSIS REQUESTED	۸ ۲ ۲ ۲ ۲ ۲ ۲	23 10 10 10 10 10 10 10 10 10 10 10 10 10	000 000 000 000 000 000 000 000 000 00	0864 15/96 0864 19/96 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 01105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 0105 00000000	86557 865676 865676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 86676 8667				  					Relinquished By	Signature	Frinted Name	Film	Date/Titate	Received By	Signature	Printed Name	Flat
DATE 1-22-93	GENERAL CHEMISTRY (Specify)		818 	( SOII TAL)	улгсце 0пе) , (10 ресізі ли0 ли0 ли0 ли0	804 803/W 9H. CO 9H. CO (See S (See S WETAL WETAL EP TO)									PROJECT INFORMATION			5	Project	SPECIAL INSTRUCTIONS/COMMENTS Hold is ANN 1085 - 0193 For analysis witht-6, BTEX	dissolved metals= Accenic only (Note Field Filtered		
PAGE 1 OF 2	OTHER (Specity)		-7' *874+	50ह का 903 903 903 903 903 903 903 903 903 903	-₩- ₩ ₩1	WTB BER ER BAR EL BAR E	7 7 7	8 1 1 1 1	V V 4	7 7 7	V V V V	V V S	V V 5	7 7 7	SAMPLE RECEIPT	Total No. of Containers	Chain of Custody Seals	Received in pood condition	LAB KQ.	ardusis with 6. BTEX	" (Note Field Filtered)	>	

DISTRIBUTION: WHITE-return to originator; YELLOW;- lab; PINK-retained by originator.

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Northwest, Inc.												, ,	DATE	1-22	2-93	ι Ω	PAGE .	2	0F	2
PROJECT WEYER HALLER FLARE	A A A A A A A	Ħ	· OIT - 031.2]	037.27	ANALY	ANALYSIS REQUESTED	ESTED						ENERAL Specify)	GENERAL CHEMISTRY (Specify)	RY		02	OTHER (Specify)		
CLIENT NFO.					400						· ·				Xa		<u> </u>		SKRENA -	слэнія
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elinquished By EMCOUNOrthwest, Inc.		Relinquished By	hed By	-	Rell	Relinquished Bý	Bý				PROJECT	PROJECT INFORMATION	VTION			SAI	SAMPLE RECEIPT	IPI		-
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Printed Name		Printed Nzma			문 	Printed Name										8	Chain of Custody Seals	Seals		
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DISTRIBUTION: WHITE - return to originator, YELLOW: - 143; PKK - retained by originator.

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_7.'L	Northwest, Inc.	Inc.											DATE 1	1-22-93	6			AN PAGE		7 1993	1
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	CLIENT INFU. CONTACT					~													sin		
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	SAMPLERS NAME 70M 2	Boole		PHONE # 185-5000	8	9220		ЯA	- NIC		(JAT (Jan)					Œ	80	01	-рс <u>те</u> р 200		
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-P	SAMPLEI.D.	DATE	TIME	LAB I.D.	TYPE	SW/DD	NOJAH Nojao	FOLYA 604/80 PHENC	1ATOT	E6 102	olorio) IATEM 2 992)		PH. CC			Lርጎ	829 759/ 759	-11A9 93 931	IE6		
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	2. MW 1035-0193	Q-77-1	15:00	4	water									>	>		>	~	>	$\sim$	.
	3. MW 104 - 0193	Q-72-1	13:00		water						 			7		>		5		0	
	4. MW1055-0193	[-22-3] [2:0	12:00		water										>	>	>	5	$\geq$	$\infty$	
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e.	Signature		Signature			Signature			•							Total	Total No. of Containers	talners			
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	1-35-93 14:45		Firm			E					VIA					Receiv	red in good	Received in good condition			1
	-		Date/Time			Date/Time	a			<u>اح</u>	Project					LAB NO.					1
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	Signature		Signature			割		ЦŪ		₹   {	No.	50 Nec	) meta	₽ <u>-</u> ];	rsen u	A	5	ample	dissolved metal= Arsenic -> al samples for thi	2 M	
L	Printed Name		Printed Name	<b>au</b>		11-11-11-11-11-11-11-11-11-11-11-11-11-				$\overline{h}$							avalysis	-	were field	Pir.	
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			DISTRIBUTION:	DISTRIBUTION: WHITE - return to originator: YELLOW: -	tor: YELLOW: -	-XNI4 :dai	. lab; PINK - retained by originator.	glaator.													I

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S	EMCON Northwest, Inc. 18912 North Creek Parkway, Suite 210 • Bothell, WA 98	Field Sampling Data
PRO IFCT N	Office (206) 485-5000 • FAX (206) 486-9768 ADDRESS <u>Fiverett</u> , WA AME <u>Weyco Mill B</u> <u>#0141-037.2</u> NTACT <u>Toho Guewther</u>	Well or Surface Site Number $MW = 100 S^{1}$ Sample Designation $MW = 100S = 0.593$
	BY MEASUREMENTS:         Date, Time           earest .01 ft.)         Elevation         Date, Time           7: 64	, Method Used (M-Scope Number or Other) , Soliws T,
WELL EVAC Gallo Surface Wat		Rinse Method Date, Time N/A, $S/16/43$ , $935$ , od $N/A$ , Date, Time $N/A$ .
SAMPLING: Sample WTPH-6 BTEX WTPH-0, PCP, BNA, A.S.	Date, Volume Container Time Method (mi) Type $\underline{, \rho_{isp} \rho_{u;len} 2\times 40}, \underline{, Guass}$ $\underline{, Guass}$	Depth Field Taken Filtered Preserva- (leet) (yes,no) tive (yes,no) Method $\downarrow$ , $\downarrow$ ,
Pore Vol. Number 	TER QUALITY TESTS: Measured using HACH AHA $ns/cm       \circ_L       GAL Remove         ns/cm       \circ_L       GAL Remove         OH       Conductivity         G.63 O.625 I4.8 1.0 G.63 O.625 I4.8 3.0 G.63 O.625 I4.8 3.0 G.63 O.625 I4.8 3.0 G.63 O.625 I4.8 3.0 G.63 O.6253 I3.5 3.0 G.63 O.6253 I3.5 I3.6 $	AL CONductivity Meters COmments <u>wuter</u> , is colorless to set that, clink, no o <u>cleAN</u> , colorless, No odur.
·	th oF Well: 12.75-7.64 = 5.11 ÷ 6	
2	· ·	
Tolal # of E	Bollles:	Signature: <u>Signature:</u>

	18912 North Creek Park Office (206) 485-	way, Súlte 210 ● Both 5000 ● FAX (208) 48	oolii, WA 98011 36-9766		
PROJECT NA	DDRESS <u>Everett</u> ME <u>Weyco Mill</u> ract <u>John Che</u>	<u>13</u>	-03テ.27 Dat		
(Nea	MEASUREMENTS: arest .01 (I.) E 名、	levation	ate, Time $\frac{0/93}{0830}$ , Sol	Method Used (M	-Scope Number or Olher)
WELL EVACU Gallon しんさ	s Pore Volumes 	p. Method User , <u>leRistaltic</u>	Pupp N/1	se Method 9,	Date, Time 5/16/93 0915
Surface Water	Flow Speed/A	, Measure	ment Method/A		Dale, Time . <u>w/A</u>
Sample <u>VOC</u> <u>IPH-0</u> , <u>BVA</u> , <u>PCP</u> , <u>AS</u> , FIELD WATEI	Date, Time Method Di <u>sp. Baile</u> <u>S[10]93</u> , <u>P. Phap</u> <u>S[10]93</u> , <u>V</u> <u>O 915</u> , <u>P. Phap</u> R QUALITY TESTS: Mea	L GUASS		illered Preserve yes,no) tive N, UNPRES V, UNPRES V, UNPRES V, UNPRES V, UNPRES V, UNPRES V, UNPRES	(yes,no) Method (yes,no) Method (yes,no) Method detergeht wast H2O rinse MeOH rinse Distilled H2O rinse
Pore Vol. Number	$\begin{array}{c} & & & & & \\ & & & & \\ & & & \\ & & & \\ \hline 6 & 91 & & \\ \hline 6 & 91 & & \\ \hline 6 & 92 & & \\ \hline \hline 7 & 10 & & \\ \hline \hline 7 & 10 & & \\ \hline \end{array}$	y Temp 0 15.3 0, 19.7	н. кельне БНГ 9.00, 2.0, 	Connedt	s cl <u>cAr, col</u> vrle <u>ss No od</u>  
NOTES: <u>Dept</u>	K o F Well: 30.1	0	1 = 6 =3.63gal	.p.v.	
_wat	en is cla	AA COLOR		htly tan	No odor
		, <i>69</i> , 1	×	·	•
	•	· · · · · · · · · · · · · · · · · · ·			

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Emcon Northwest, Inc. 18912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Field Sampling Data
LOATION/ADDRESS <u>FUERETT, WA</u> PROJECT NAME <u>Wey CO MILL B</u> <u>ND141-037.27</u> CLIENT/CONTACT <u>TOHOU GUENTACE</u>	Well or Surface Site Number $\underline{MW - 1015}^{\prime}$ Sample Designation $\underline{MW - 1015}^{\prime} \underline{0593}$ Date, Time $\underline{5116193}$ 1020 Weather $\underline{50NNy}$ , $WRAM$
HYDROLOGY MEASUREMENTS:         Date, Time           (Nearest .01 ft.)         Elevation         Date, Time           7.54	Melhod Used (M-Scope Number or Olher)
WELL EVACUATION: Gallons Pore Volumes Method Used D. 75 + 3 + <u>Pore Volumes</u> Surface Water Flow Speed <u>N/A</u> , Measurement Method <u>A</u>	Rinse Method $3/A$ , $3/10/93$ $1020$ , $3/A$ , $3/A$ , $3/A$ , Date, Time $3/A$ ,
SAMPLING:       Depth         Date,       Volume       Container       Taken         Sample       Time       Method       Line       Depth         Sample       Time       Method       Line       Depth         Sample       Time       Method       Line       Taken         Method       Line       Depth         Method       Line       Taken         Method       Line       Depth         BAR       Disclement       Disclement       Taken         Method       Line       Disclement       Disclement         Method       Disclement       Disclement         Method       Disclement       Disclement         Method       Disclement         Method       Disclement         Method       Disclement       Disclement	Field Fillered Preserva- (yes,no) tive (yes,no) Method M. <u>M. M. M.S.</u> , <u>V.</u> , Non-Phosphatic detergent wash <u>H. M.D.</u> , <u>M. MeOH</u> Distilled H2O rinse
NOTES: Depth of Well: 9.16- 7.54 = 1.62 ÷ 6 =0.7 Water is clear colorless, No odu	•
	·
Total # of Bottles:3	SIgnature: <u>J. Muhslan Banan</u> SEA-400-01

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Emcon Northwest, Inc.	Field Sampling Data
18912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (206) 485-5000 • FAX (208) 486-9766	
LUCATION/ADDRESS FURRETT WA PROJECT NAME Wey CO MILL B #D141-037.27 CLIENT/CONTACT John Guenther	Weil or Surface Sile Number $\underline{MW} - 102S'$ Sample Designation $\underline{MW} - 102S - 0593$ Date, Time $\underline{5/10/93}$ 1055 Weather Sunny, WARM
HYDROLOGY MEASUREMENTS:         Date, Time           (Nearest .01 fl.)         Elevation         Date, Time           7.61	Melhod Used (M-Scope Number or Olher)
WELL EVACUATION: Gallons Pore Volumes <u>Period Used</u> <u>D.757</u> , <u>37</u> , <u>Period Used</u> <u>Period Used</u> <u>Period Used</u> <u>Pore Volumes</u> <u>Period Used</u> <u>Period Period Period Used</u> <u>Period Period /u>	Rinse Method Date, Time N/A, $S/10/93$ $1055$ , N/A, Date, Time $N/A$ .
	, Odd, IIII <u>22///</u> ,
SAMPLING: Date, Volume Container Taken Sample Time Method (mi) Type (leet) $\Lambda PH-i/\delta I \xi \chi$ , $Disp. Bailighthat 3 \times 40, GLASS V.MGWTPH-0, JL, Disp. Bailighthat 3 \times 40, GLASS V.MG\Psi TPH-0, JL, IL, GLASS, J, HWTPH-0, JL, GLASS, J, HW, HW, HHHHHHHH$	Field Filtered Preserva- (yes,no) tive (yes,no) Method (yes,no) tive (yes,no) Method ,, Manness,, Non-Prosphatic detergent wash H2O rinse Distilled H2O rinse
FIELD WATER QUALITY TESTS: Measured using HACH AH and C Pore Vol. $ns/cm$ °C GAL Remarkd Number pH Conductivity Temp EH 1 <u>6.33</u> , <u>0.429</u> <u>16.2</u> , <u>0.25</u> , <u>12.4</u> 3, <u>6.448</u> ; <u>0.445</u> , <u>13.4</u> , <u>0.75</u> , <u>13.4</u>	Conductivity meters <u>i</u> on Ment's <u>Clear</u> , SL. TAN, No odor, Red Susp Particles <u>Clear</u> , Colorcless, No oder <u>II</u> <u>II</u> <u>II</u> <u>II</u> <u>II</u>
NOTES:	
Depth of Well: 8.90 - 7.61 = 1.29 = 6 = 1.	Mgalp.V.
Wyter is clear colorless NO O Disposable Builer clogged with Col Resultide in guick leakage. Third seven Used peristaltic pump to collect all sam	Lac hailens - could Not Fill
· · · · · · · · · · · · · · · · · · ·	•
1	
Total # of Boilies:	Signalure: J- Multila Planner SEA-400-01
·	. //

EMCON Northwest, Inc. 18912 North Creek Parkway, Suite 210 • Bothell, WA 9. Office (206) 485-5000 • FAX (206) 486-9768	
LOCATION/ADDRESS <u>FURRETT</u> WA PROJECT NAME <u>Wey CO MILL B</u> ND141-037.2 CLIENT/CONTACT John Guenther	Well or Surface Site Number $\underline{MW} - 103.5'$ Sample Dosignation $\underline{MW} - 1035' - 0593$ Date, Time $\underline{5/10/93}$ 1.250 Weather $\underline{50MNY}$ , $\underline{WKRM}$
HYDROLOGY MEASUREMENTS: (Nearest .01 II.) Elevation Date, Time 	Melhod Used (M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes Method Used <u>1).75.</u> <u>3 t</u> , <u>Percistaltic Pupp</u> Surface Water Flow Speed <u>NA</u> , Measurement Meth	1250
SAMPLING:	od// <del>1</del> , Date, Time/A,
Number $\rho H$ Conductivity       Temp $\sigma H$ 1 $G.S7$ $1.3/7$ $15.3$ $6.25$ $\overline{2}$ $G.60$ $1.376$ $14.4$ $0.50$ $\overline{3}$ $G.69$ $1.369$ $14.2$ $0.75$ $\overline{3}$ $\overline{6.69}$ $\overline{1.369}$ $14.2$ $0.75$	
NOTES:	······································
Depth of Well: 11.70 - 10.92 = 0.79 = 6	FO.13 gal p. V.
Water is cleAR, colorless, No	odor
Was not able to fill dis	possible bailer above N/8 saparity
•	1. by iten - rest it samples collected
w/ peristultic pump	· · · · · · · · · · · · · · · · · · ·
	and Anch 1. Drong
Total # of Bottles:	Signalure: Mulislan 92000-01 SEA-400-01



18912 North Creek Parkway, Suite 210 ● Bothell, WA 98011 Office (206) 485-5000 ● FAX (208) 486-9768 Field Sampling Data

LOCATION/ADDRESS <u>EVERCHT</u> PROJECT NAME <u>Weyco</u> <u>Mill</u> CLIENT/CONTACT <u>TODA</u> GUEN	<u>B</u>		lumber <u>MW-1030</u> <u>MW-1030-0593</u> 2 [230 WNAM
HYDROLOGY MEASUREMENTS: (Nearest .01 (I.) Elev 13.27,	ation Date, Time 	Melhod Used	(M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes ユ.ケナ, 3ナー,	P. Method Used Peristaltic Pupp _	Rinse Method	Date, Time 5/10/9.3 12.30
Surface Water Flow Speed/A	, Measurement Method	N/A.	Date; Time <u><i>N</i>/A</u>
SAMPLING: Date, Date, Method JOC, Time Method JOC, $Pisp. Builer V(PH-O, S/10/93, V, P.Purp, V, P.Purp, V, P.Purp, V,	Depth Volume Container Taken (ml) Type (leet) $3 \times 40$ , blass Vial. 12, $40$ , blass Vial. 12, $40$ , $45$ S, $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $14$ , $1$	Filtered Preser (yes,no) live , <u>V</u> , <u>Luxpac</u> , <u>V</u> , <u>Uxpac</u> , <u>V</u> , <u>V</u>	(yes,no) Gleaning (yes,no) Method (yes,no) Method (getrigent wash H2O rinse Distilled H2O rinse
		٨	
Total # of Bollies:	- 	Signature:	Nicholan Imm SEA-400-01

Korthwest, Inc.	Suite 210 • Bothell, WA 98011		ampling Data
Office (206) 485-500	0 • FAX (208) 486-9768	L	umber <u>MW-104</u> 5'
LOCATION/ADDRESS <u>EVERETT</u> W PROJECT NAME <u>L/CYCO</u> MILL B CLIENT/CONTACT <u>TODA</u> GUENT	<u>#0141-037.27</u>		MW- 1045-0593
HYDROLOGY MEASUREMENTS: (Nearest .01 ft.) Elevall 11.3	lon Date, Time , <u>/11/93</u> , ,0*3*7,	Solinst	M-Scope Number or Olher)
WELL EVACUATION: Gallons Pore Volumes $1 \cdot 5^{-x}$ , $3 \times$	Peristalic Pupp	Rinse Melhod	Date, Time 5/11/93 0900
Surface Water Flow Speed	, Measurement Method _	N/A	Date, Time <u>N/A</u>
Sample Time Method	Depti folume Container Taken (mi) Type (feet) +70, <u>GLASS</u> , <u>$+776$</u> , <u>$+10$</u> , <u>$+100$</u> , <u>$+1000$</u> , <u>$+1000$</u> , <u>$+1000$</u> , <u>$+1000$</u> , <u>$+1000$</u> , <u>$+10000$</u> , <u>$+10000$</u> , <u>$+100000$</u> , <u>$+1000000000000000000000000000000000000$</u>	n Fillered Presen	(yes,no) Melhod
HELD WATER QUALITY TESTS: Measure Pore Vol. Number 1 2, $C$ , $50$ , $1$ , $2553$ , $6$ , $54$ , $1$ , $299$ , 3, $6$ , $54$ , $1$ , $282$ , 1, $282$ ,	ed using HACH AH AND °C CAL Removed Temp. Ett 14.9.0.50 15.0.1.0 15.0.1.5	Comment	
Depth of Well: 13.0'-	-11.3 = 1.7 ÷ 6 7	1.289alp.V.	
Water is clear	2 (oloaless, NO	odan.	
1			
Total # of Bottles:		Signature: 9. 7	mplas exern
		1	SEA-400-01

<b>Emcon</b> Northwest, Inc. 18912 North Creek Par Office (206) 485	kway, Sulto 210 ● Bothell, WA 98011 5000 ● FAX (208) 486-9768	Field Sampling Data
) LOCATION/ADDRESS <u>Fuerett</u> PROJECT NAME <u>Weyco Mill</u> CLIENT/CONTACT <u>John Gue</u>	<u>B 10141-037.27</u>	Well or Surface Sile Number $MW - 105,5^{1}$ Sample Designation $MW - 105,5^{2} - 0.543$ Date, Time $5/10/93$ 1430 Weather SUNNY, WARM
HYDROLOGY MEASUREMENTS: (Nearest .01 ft.)	Elevation Date, Time ,5/10/4.2, ,33.2,	Method Used (M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes 1.5+, 3+ Surface Water Flow Speed		Rinse Method Date, Time N/A $S/10/93N/A$ Date, Time N/A $N/A$ Date, Time $N/A$
SAMPLING: Date, Date, Sample Time Method PH-C/OTFX, $Disp. Build WTPH-D, JID/93, VPCB, JID/93, VPCB, PCB, VPCB, PCB,	SUREd USING HACH AHANI C GAL REMOVED Y TEMP EN 1. 17.1 0-5	n Filtered Preserva- (yes,no) tive (yes,no) Method (yes,no) tive (yes,no) Method $A$ , $A \land pACS$ , $Y$ , Non-Phosphalic detergent wash H2O rinse $M \land pACS$ , $M \land pACS$ ,
······································	<u></u>	
because b	TR, COLORIESS, NO Odo. PFICALL TO bail ailer had to be lowers s sitty, dark brown	→ Water was agitated 2 to well bottom. Sample
Total # of Bottles:		Signature: M. Multila Bacson SEA-400-01

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EMCON Northwest, Inc.	Field Sa	mpling Data
18912 North Creek Parkway, Suite 210  Bothell, WA 98011		te - VOC - MW-110-05
Office (206) 485-5000 • FAX (206) 486-9766		@1500
OCATION/ADDRESS <u>Everett</u> WA ROJECT NAME <u>Weyco Mill B</u> #0141-037.27 ELIENT/CONTACT John Guenther	Well or Surface Site No. Sample Designation _ Date, Time <u>Site (72</u> Weather <u>Sindary</u>	mber <u>MW-1050</u> <u>MW-1050-0593</u> <u>1400</u> WARM
	······································	-
YDROLOGY MEASUREMENTS: (Nearest .01 ft.)ElevationDate, Time $5/10/9.3$ , $13.9.3$ ,13.9.3	Method Used (A Soliast	AScope Number or Other)
YELL EVACUATION: Gallons Pore Volumes P. 5+, 3+, Ceristaltic Pupp	Rinse Method	Date, Time 5/10/93 1400
Surface Water Flow Speed/I7, Measurement Method	v/A'	Date, Time <u>~/A</u> ,
SAMPLING: Date, Date, Volume Container Taken Sample Time Method (mi) Type (feel) $VOL$ , $0isp$ . Baile, $2\times 40$ , $6LASS V.AL$ , $PH-D$ , $0isp$ . Baile, $2\times 40$ , $6LASS V.AL$ , PH-D, $V$ , $V$	(Onnest. ()CNR (O	(yes,no) Method (yes,no) Method (yes,no) Method detergeht wash H2O ripse MeOH mse Distilled H2O rinse
NOTES: <u>Depth of Well: 28.0'-13.93 = 14.07 ÷ 6 = 2</u> <u>Hoslight +</u> <u>Water is clem, colorless, roodon</u>		
		· · · · · · · · · · · · · · · · · · ·
	· · · ·	
Total # of Bottlas: 5	Signature:	Mikly mm
Total # of Boilles:		SEA-400-0

Emcon Northwest, Inc. 18912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (208) 485-5000 • FAX (206) 486-9766	Field Sampling Data
LOCATION/ADDRESS <u>EVERET</u> WA PROJECT NAME <u>Wey CO MILL B</u> #D141-037.27 CLIENT/CONTACT <u>Tohow Guewther</u>	Well or Surface Site Number $\underline{MW - 106.5'}$ Sample Designation $\underline{MW - 106.5' - 0.51.3}$ Date, Time $\underline{5/11/5.3}$ (29.30 Weather $\underline{C/00.1y}$ , Caci
HYDROLOGY MEASUREMENTS: (Nearest .01 ft.) Elevation Date, Time <u>3.05</u> , <u>5/11/43</u> , 0920,	Method Used (M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes Method Used <u>1.5Y</u> , <u>3+</u> Surface Water Flow Speed <u>N/A</u> Measurement Method <u>C</u>	Rinse Method Date, Time $\frac{N/A}{\sqrt{A}}$ , $\frac{5/11/93}{\sqrt{A}}$ , $\frac{0930}{\sqrt{A}}$ , Date, Time $\frac{N/A}{\sqrt{A}}$ ,
SAMPLING:       Depth         Date,       Volume       Container       Taken         Sample       Time       Method       (mi)       Type       (leet) $\zeta PH^{-L}(IAG, FX)$ $Disp. Bailsn 2x40$ , $GLASS ViAl-       Uarticle 2x40, GLASS ViAl-       Uarticle 2x40, Uarticle 2x$	Field Fillered Preserva- Iced Cleaning (yes,no) tive (yes,no) Method Method Method Method Method detergent wash H20 rinse MeOH rinse Distilled H20 rinse
FIELD WATER QUALITY TESTS: Measured using HACH $\beta$ H and C Pore Vol. $ns/cm$ $c$ $GAL$ Removed Number $3H$ Conductivity Temp Eff $1 \qquad G.54', \qquad 0.437, \qquad 12.1, \qquad 0.50, \qquad 0.437, \qquad 12.1, \qquad 0.50, \qquad 0.437, \qquad 12.1, \qquad 0.50, \qquad 0.437, \qquad 0.406, \qquad 11.4', \qquad 1.0, \qquad 0.50, \qquad 0.474', \qquad 1.0, \qquad 0.50, \qquad 0.474', \qquad 0.474', \qquad 0.50, \qquad 0.474', \qquad 0.50', \qquad 0.50', \qquad 0.50', \qquad 0.474', \qquad 0.50', \qquad 0.50', \qquad 0.50', \qquad 0.474', \qquad 0.50', \qquad$	ONductivity metens COMMENTS <u>Clenk</u> (Olonless No oden <u>11</u> , <u>11</u> , <u>11}, <u>11</u>, <u>11}, <u>11}, <u>11</u>, <u>11}, <u>11}, <u>11</u>, <u>11}, <u>11}, <u>11}, <u>11</u>, <u>11}, </u>11}, <u>11}, <u>11}, 11}, <u>11}, <u>11}, 11}, <u>11}, <u>11}, <u>11}, <u>11}, <u>11}, 11}, </u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u>
NOTES: Depth of Well: 5.90 - 3.05 = 2.85 ÷ 6 70.	489al P.V.
× Monument Filled W/water to ~ 2" Water is (lear, colorless, No od	
Total # of Bottles:	Signature: 7. Much Law Sea-400-01

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Emcon Northwest, Inc. 18912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9768	Field Sampling Data
LUCATION/ADDRESS <u>FUERCHT</u> , WA PROJECT NAME <u>Wey CO MILL B</u> ND141-037.27 CLIENT/CONTACT <u>TODA GUENTACE</u>	Well or Surface Sile Number $\underline{MW - 107.5}$ Sample Designation $\underline{MW - 107.5 - 0593}$ Date, Time $\underline{5/11/93}$ 1015 Weather <u>Cloudy</u> Cool
HYDROLOGY MEASUREMENTS:         Date, Time           (Nearest .01 ft.)         Elevation         Date, Time           3.81	Method Used (M-Scope Number or Other)
WELL EVACUATION: 3.0 * Gallons ync Pore Volumes Surface Water Flow Speed, Measurement Method	Rinse Method Date, Time $5/11/93$ 10/5, 7/A Date, Time $N/A$ ,
SAMPLING: Date, Date, Time Method (mi) Type (leel) MTPH-0 Disp. Bailen 2×40, GLASS ViAL WTPH-0, AS, 5/11/03, P. Pump V, PHy, IL, GLASS, VIAL VIATER QUALITY TESTS: Measured using HACH A H and Co. Pore Vol. Number pH, Conductivity Temp EH	. COMMENTS
Number $pH$ Condúctivity       Temp $fH$ 1 $6.72$ $1.300$ $12.4$ $1.0$ 2 $6.8F$ $0.296$ $11.8$ $2.0$ 3 $6.86$ $0.309$ $11.5$ $3.0$	CleAR, COLOR less to Lt. two, HC -like odor?
NOTES: _Depth of Well: 8.80'-3.81 = 4.99 ÷ 6 =0.8	39al p. V.
Waten is clean colocless to light Old Possible sheen detected?	Ve brown ItC-like odon?
<u>}</u>	
Total # of Bottles:	Signalure:

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Emcon Northwest, Inc. 18912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Field Sampling Data	
LUCATION/ADDRESS <u>EVERET</u> WA PROJECT NAME <u>Weyco Mill B</u> <u>NO141-037.27</u> CLIENT/CONTACT <u>Tabor Guewther</u>	Well or Surface Sile Number $\underline{Mh} - 108 S'$ Sample Designation $\underline{Mh} - 108 S - 0593$ Date, Time $\underline{5/11/93}$ 1/15 Weather $\underline{C1040}_{Y}$ (noc	
HYDROLOGY MEASUREMENTS:(Nearest .01 fl.)ElevationDate, Time $4.67$ $1/63$ $1028$	Method Used (M-Scope Number or Other)	
WELL EVACUATION: Gallons Pore Volumes Method Used <u>3t</u> , <u>3t</u> , <u>cRistaltic Pupp</u> Surface Water Flow Speed <u>NA</u> , Measurement Method <u>N</u>	Rinse Method Date, Time $\sqrt{A}$ , $\sqrt{A}$ , $\sqrt{A}$ , $\sqrt{A}$ , $\sqrt{A}$ , Date, Time $\sqrt{A}$ ,	
SAMPLING:       Depth         Date,       Volume       Container       Taken         Sample       Time       Method       (mil)       Type       (feel)         Method       (mil)       Type       (feel)         Method       (mil)       Type       (feel)         A15 $5/11/93$ $0.30.1eA$ $1L$ $6LASS$ $4L$ $6LASS$ $4L$ $6LASS$ A15 $5/11/93$ $0.4mA$ $V$ $PDIV$ $4L$ $6LASS$ $4L$ $6LASS$ $1115$ $0.4mA$ $V$ $PDIV$ $4L$ $6LASS$ $4Ac14$ $PH$ $AAV4$ $Conductivity$ Impose for Vol.       ms/ca $Conductivity       Temp       EN         1 C.96 0.3373 12.44 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 $	Field Filtered Preserva. Iced Cleaning (yes,no) tive (yes,no) Method <u>N</u> , <u>MAPACS</u> , <u>Y</u> , Non-Prosphalic <u>A</u> , <u>MAPACS</u> , <u>Y</u> , Non-Prosphalic detergent wash H20 rinse <u>MeOH rinse</u> Distilled H20 rinse <u>Non-Prosphalic</u> detergent wash H20 rinse <u>MeOH rinse</u> <u>Distilled H20</u> rinse <u>Non-Prosphalic</u> <u>Distilled H20</u> rinse <u>Non-Prosphalic</u> <u>Distilled H20</u> rinse <u>Non-Prosphalic</u> <u>Distilled H20</u> <u>rinse</u> <u>Distilled H20</u> <u>rinse</u> <u>Non-Prosphalic</u> <u>Distilled H20</u> <u>rinse</u> <u>Non-Prosphalic</u> <u>Distilled H20</u> <u>rinse</u> <u>Non-Prosphalic</u> <u>Distilled H20</u> <u>rinse</u> <u>Non-Prosphalic</u> <u>Distilled H20</u> <u>rinse</u> <u>Non-Prosphalic</u> <u>Distilled H20</u> <u>rinse</u> <u>Distilled H20</u> <u>rinse</u> <u>Distilled H20</u> <u>rinse</u> <u>Non-Prosphalic</u> <u>Distilled H20</u> <u>rinse</u> <u>Distilled H20</u> <u>rinse</u> <u>rinse</u> <u>Di</u>	
NOTES: <u>Depth of Well: 9.40'-4.67 = 4.73 ÷ 6 71.78</u> <u>Waten is light tan clean</u> , No a	•	
2		
Total # of Bottles; 2		

EACON Northwest, Inc. 18912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (206) 485-5000 • FAX (208) 486-9768 LOCATIONIADDRESS FEVERENTIA MOINTAGE MOINTAGE MOINTAGE MOINTAGE	Field Sampling Data Well or Surface Sile Number <u>MW - 1080</u> Sample Designation <u>MW - 1080 - 0593</u> Date, Time <u>5/11/97 1045</u> Weather <u>C104.34</u> , <u>COC</u>
HYDROLOGY MEASUREMENTS: (Nearest .01 ft.) Elevation Date, Time 7.58,, $1026$ , $1026$ , $1026$	Method Used (M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes	Rinse Method Date, Time $\frac{\sqrt{A}}{\sqrt{A}}$ , $\frac{\frac{S/n/63}{1045}}{\frac{1045}{\sqrt{A}}}$ , $\frac{\sqrt{A}}{\sqrt{A}}$ , Date, Time $\frac{\sqrt{A}}{\sqrt{A}}$ ,
SAMPLING:       Depth         Date,       Volume       Container       Taken         Sample       Time       Method       (mi)       Type       (feet)         VOC $\mathcal{N}$ $\mathcal{L}$ $\mathcal{L}$ $\mathcal{L}$ $\mathcal{L}$ $\mathcal{L}$ $\mathcal{N}$ $\mathcal{L}$	Field Fillered Preserva- (yes,no) tive (yes,no) Method M. <u>UNPACS</u> , <u>V</u> , Non-Phosphalic detergent wash H20 rinse <u>Non-Phosphalic</u> detergent wash H20 rinse <u>MeOH</u> rinse Distilled H20 rinse
FIELD WATER QUALITY TESTS: Measured using HACH $\rho$ Hand Co Pore Vol. Number $\rho$ H Conductivity Temp $f$ Hand Co $\frac{1}{2}, \frac{7}{7.35}, \frac{0.411}{0.438}, \frac{13.3}{11.7}; \frac{4.0}{8.0}, \frac{12.0}{12.0}, \frac{12.0}{12.0}, \frac{11.7}{12.0}, 11.$	Nductivity Motins (0 mments 
Depth of Well: 30.50-758 = 22.92÷ 6 =385 Water is clear colorless, NO od	
Total # of Bottles:	Signature: 9. Mullar. Marson SEA-400-01

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<b>E</b> MCOI
Northwest, Inc

18912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766 Field Sampling Data

LOCATIONIADDRESS <u>FUerett</u> WA PROJECT NAME <u>Weyco Mill B</u> <u>NO141-037.27</u> CLIENT/CONTACT <u>John Guewther</u>	Well or Surface Site Number $\underline{M} \underline{h} - \underline{D9} \underline{5'}$ Sample Designation, $\underline{M} \underline{h} - \underline{109} \underline{5'} - \underline{0593}$ Date, Time $\underline{5/11} \underline{93} - \underline{1145}$ Weather Cloudy Coul
HYDROLOGY MEASUREMENTS:         Date, Time           (Nearest .01 (I.)         Elevation         Date, Time           5.11         5.11         5.11	Method Used (M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes Period Used 3+, 3+, Period Used Period Used	Rinse Method
Surface Water Flow Speed/ A, Measurement Method	N/A Date, Time N/A
SAMPLING: Date, Volume Container Taken Sample Time Method (mil) Type (feet) $VPH-6/01EX$ , $0is_{P} Baille 2x40$ , $6UASS VIAL$ $WTPH-0$ , $5/11/02$ , $1L$ , $6LASS$ , $1L$ , $GLASS$ , $1L$ , $GLASS$ , $1L$ , $GLASS$ , $1L$ , $GLASS$ , $1L$ , $PCP$ , $1L$ , $GLASS$ , $1L$ , $GLASS$ , $1L$ , $PCP$ , $1L$ , $GLASS$ , $1L$ , $1L$ , $GLASS$ , $1L$ , $POI_{Y}$ , $1L$ , $1L$ , $GLASS$ , $1L$ , $1L$ , $1L$ , $GLASS$ , $1L$ , $1L$ , $POI_{Y}$ , $1L$ ,	Field Filtered Preserva. Iced Sampler Cleaning (yes,no) tive (yes,no) Method A. <u>hav pacs</u> , Y. Non-Phosphalic detergent wash H20 rinse MeOH rinse MeOH rinse Distilled H20 rinse ONductivity meters Clear Yellow - brown, No odor (IPAR, fuintly yellow vs odor
Depth of Well: 10.70 -5.1) = 5.59 ÷ 6 =0.9 Water is (lerger, faintly yillo	
Total # of Bottles:	SIgnature:

Emcon Northwest, Inc. 18912 North Creek Parkway, Suite 210 • Bothell, WA 98011	Field Sampling Data
Office (206) 485-5000 • FAX (206) 486-9768 LOCATION/ADDRESS <u>Fuerett</u> , WA PROJECT NAME <u>Weren Miller</u> <u>#0141-037-27</u> CLIENT/CONTACT <u>Tobol Guew Mee</u>	Well or Surface Site Number $\underline{FicId \ BLANK}$ Sample Designation $\underline{FB-1-0593}$ Date, Time $\underline{5/11/93}$ 1200 Weather
HYDROLOGY MEASUREMENTS: (Nearest .01 (I.) Elèvation Date, Time	Method Used (M-Scope Number or Other)
, <u>reristaltic Pupp</u>	Rinse Method Date, Time
SAMPLING: Date, Volume Container Taken Sample Time Method (mi) Type (leet) 	Field Filitered Preserva- Iced Cleaning (yes,no) tive (yes,no) Method , Non-Phosphalic detergent wash H20 rinse MeOH rinse Distilled H20 rinse
$\frac{1}{3}$ $\frac{3}{3}$ $\frac{1}{3}$ $\frac{1}$	
Fiell BLANK: 2 VOC VIAIS: Jisposuble bailer f	Sampled through clean illed w/D.T. water
Total # of Boilles:	_Signature: M. Minhola Marin SEA-400-01

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Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Dothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Fleld Sampling Data
LOCATION/ADDRESS <u>EVENETT</u> WA PROJECT NAME <u>Nevico - EAST · NO141 - 037.4</u> CLIENT/CONTACT <u>TO AN GUENTAER</u>	Well or Surface Sile Number $MW = 100.5$ Sample Designation $MW = 100.5 - 10.9.3$ L Date, Time $10/27/63$ $0.900$ Weather
HYDROLOGY MEASUREMENTS: (Noarest .01 II.) Elevation Date, Time $0_{1}T_{*}W_{*}9.20$ , $10/27143$ $0_{5}v_{1}0$	Method Used (M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes Method Used <u>2.07</u> , <u>47</u> , <u>12</u> , <u>Pump</u>	Rinse Method $\frac{10/27/3}{\sqrt{14}}$
Surface Water Flow Speed, Measurement Method	
Date,VolumeContainerTaSampleTimeMethod(mi)Type(mi) $g240$ $Disp. Gailta. 40 \times 3.$ $GCASS$ $GCASS$ $GCASS$ $\forall D = 1$ $Disp. Gailta. 40 \times 3.$ $GCASS$ $GCASS$ $GCASS$ $\forall D = 1$ $Percention - 40 \times 3.$ $GCASS$ $GCASS$ $GCASS$ $\forall D = 1$ $Percention - 40 \times 3.$ $GCASS$ $GCASS$ $GCASS$ $\forall D = 1$ $Percention - 40 \times 3.$ $GCASS$ $GCASS$ $GCASS$ $\forall P = 1$ $Percention - 40 \times 3.$ $Percention - 40 \times 3.$ $GCASS$ $GCASS$ $ArcassisOGDOSPercention - 40 \times 3.Percention - 40 \times 3.Percention - 40 \times 3.Pore Vol.ns/cn = 0CCOnductivityPercention - 40 \times 3.Percention - 40 \times 3.Pore Vol.ns/cn = 0CCOnductivityPercention - 40 \times 3.Percention - 40 \times 3.2 + C.40C.40CS3/214/2.91.02 + C.40C.401.521.5.41.02 + C.40C.4171.521.5.41.02 - 2C.4171.521.5.42.01 - 3C.4171.521.5.42.01 - 3C.4171.521.52.01 - 3C.4171.521.52.02 - 401.521.521.521.522 - 401.521.521.521.521 - 521.521.52$	
PV=12.75'-9.20 = 3.55 ÷ 6 = 0.60	<i>oV</i> .
	obscrived
Water is clean light b	rown NO odon
Went went day after Jud SA Time For Acclianse but water bottom + was brown, silty	
Total # of Bollies;6	Signaturo: M: Mullin Mann SEA-400-01

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EACON Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Dothell, WA Office (206) 485-5000 • FAX (206) 486-9766 LOCATION/ADDRESS <u>EVENETT</u> NOTECT NAME <u>Nevect</u> Fast CLIENT/CONTACT JO hN CheNTLER	1A #0141-037.46	Well or Surface Site Num	MN-1001-1093
CLIENT/CONTACT $D I I I O U C I C I F I I I I I I I I I I I I I I I$	Date, Time 		Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes <u>4</u> <u>4</u> <u>3</u> <u>4</u> Surface Water Flow Speed	Melhod Used <u>CLi's tg/ti'C</u> <u>PUMP</u> Measuroment Method	NIA	Date, Time 10/27/53
Number pH Conductivity	Type (feel)	Field Filtered Preserva (yes,no) tive AD, $HcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHcccHccccHcccHcccHcccHcccHccccHcccHccccHccccHccccHccccHccccHccccHccccHccccHccccHccccHccccHccccHccccHccccHccccHccccHccccHccccHcccccHcccccHcccccHcccccccccccccccccccccccccccccccccccc$	(yes,no) Method ,, Non-Phosphatic detergent wash
NOTES: <u>PV = 30.10 - 11.68 = 15.41</u> <u>Note: Concrete Ba</u> Shi ftel N		+ Well NON	• •
huten is clear		observed	
Total # of Bottles:		Signaturo	Mihilin Panm SEA-400-01

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Emcon Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Field Sampling Data
LOCATION/ADDRESS <u>EVERETT</u> , WA PROJECT NAME <u>Never</u> <u>E957</u> <u>NO141-037.46</u> CLIENT/CONTACT <u>JOHN GUENTLER</u>	Well or Surface Site Number $MW -  U  S$ Sample Designation, $MW -  U  S - 1093$ Dato, Time $10/27/43$ 30 Weather
HYDROLOGY MEASUREMENTS: (Nearest .01 II.) Elevation Date, Time 0.T.W.S.S(),	Method Used (M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes Method Used (2.25+, 2+, <u>Pump</u> Surface Water Flow Speed, Measurement Method _	Rinse Method Date, Time $\frac{10/27}{53}$ $\frac{1336}{7}$ , Date, Time
SAMPLING: Date, Volume Container Take Sample Time Method (ml) Type (feel $\frac{10}{27}/63}$ , $\frac{10}{27}/63}$ , $\frac{10}/63}/63}$ , $\frac{10}{27}/63}$	en Filtered Preserva loed Sampler (yes,no) tive (yes,no) Method AL, $HCL$ , $Y$ , Non-Phosphalic detergent wash H2O rinse MOH rinse MUC, $HUC$ , $HUC$ , $HUCY$ , $HUC$ ,
NOTES: <u>PV = 9.16 - 8.50 = 0.66 ÷ 6 = 0.11 p</u> <u>PV So low - decided to jus</u> <u>Quality Tests on 15t P.V.</u>	<u>t 20 Ficld It20</u>
Total # of Bottles:3	SIgnaturo; Ruhla finn SEA-400-01

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Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Bothell, WA'98 Office (206) 485-5000 • FAX (206) 486-9766			npling Data
LOCATION/ADDRESS <u>EVENET</u> , WA PROJECT NAME <u>Neyco EAST</u> CLIENT/CONTACT <u>TO AN GUENTAER</u>	<del>}</del> <u>#0141-037-46</u>	Sample Designation Date, TimeO_/ Weather	12-1025-1093
HYDROLOGY MEASUREMENTS: (Nearest .01/t.) D.T.W.	Date, Time	Method Used (MS	Scope Number or Other)
	Method Used <u>Li'S TAITI'L</u> <u>Measurement M</u> ethod	Rinse Method	Dale, Time
Surface Water Flow Speed	Measurement method	<u> </u>	Date, Time,
Date, Volume Sample Time Method (ml) $8240$ , $0isp Gailt A 40 \times 2$ , $\sqrt{02}$ , $0isp Gailt A 40 \times 2$ , $\sqrt{101}-0$ , $1 = -$ , $\sqrt{101}-0$ , $\sqrt{10}-1$ , $\sqrt{10}-1$ , $\sqrt{10}-1$ , $\sqrt{10}-1$ , $1$	Depth Container Taken Type (feet) GCHSS Paly Paly Container Taken (feet) Container br>Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container Container	Field Filtered Preserva- (yes,no) tive HCL HCL MDNC HCL HVU Y HNU Y HNU	(yes,no) Method , <u>Y</u> , Non-Phosphalic detergent wash
NOTES:		······································	······································
_	-6 = pv		<u> </u>
	- Nj	570-	1/2E
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Total # of Bottles;	· · · · · · · · · · · · · · · · · · ·	Signature:	SEA-400-01

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Emcon Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Field Sampling Data
LOCATION/ADDRESS <u>EVENETT</u> WA PROJECT NAME <u>Neyco Egst</u> CLIENT/CONTACT <u>TO hN GUENTHER</u>	Well or Surface Sile Number $\frac{M\dot{w} - 103\dot{s}}{Sample Designation}$ Sample Designation $\frac{M\dot{w} - 103\dot{s} - 109\ddot{s}}{Date, Time 10/3 + 7/63}$ Weather
HYDROLOGY MEASUREMENTS:	Date, Time Mothod Used (M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes Method U. PCL is ta Pump Surface Water Flow Speed Measu	Used Alnse Method Date, Time 1412. UIA 10/22/93 urement Method NIA Date, Time
-Qaloi -	HCL Meltergent wash H2O rinse MeOH rinse Distilled H2O rinse
NOTES: <u>PV = 11:70 - = ÷6</u> <u>WELL iS DAY</u>	= pv. $- NO SITMPle$
Total # of Bottles:	Signaturo:SEA-400-01

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EMCON Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Bothell, WA 98011	Field Sampling Data > Duplicate MW-110		
Office (206) 485-5000 • FAX (206) 486-9766 LUCATION/ADDRESS <u>EVENET</u> WA PROJECT NAME <u>Nevco EAST</u> <u>NO141-037</u> CLIENT/CONTACT JO AN GUENTHEN	Nuplicate MW-110 Well or Surface Site Number <u>MW-103D</u> Sample Designation <u>MW-103D-1093</u> Dato, Time <u>11/27/93</u> 1015 Weather		
HYDROLOGY MEASUREMENTS: (Nearest .01 (I.) Elevation Date, Time 0, T. W. 14.12, /000	Mothod Used (M-Scope Number or Other)		
WELL EVACUATION: Gallons Pore Volumes Method Used. <u>7.5+</u> . <u><u>7.5+</u>.<u><u>7.5+</u>.<u><u>7.5+</u>.<u><u>7.5+</u></u>.<u><u>8400</u>. Surface Water Flow Speed</u>. Measurement Method</u></u></u>	Rinse Method     Date, Time $\mathcal{N}/\mathcal{A}$ $\mathcal{I} \mathcal{I}/\mathcal{D} \mathcal{T}/\mathcal{P}$ $\mathcal{N}/\mathcal{A}$ $\mathcal{I} \mathcal{D}/\mathcal{S}$ $\mathcal{N}/\mathcal{A}$ Date, Time		
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
NOTES: $PV = 27.60 - 14.12 = 13.45 \div 6 = 2.25 f$ Water is clint, colintess	observed		
Total # of Bottles: $5(5) = 10$	Signature: 2: "Purilesine Funne SEA-400-01		

EMCON Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Field Sampling Data
LOCATION/ADDRESS <u>EVERETT</u> , WA PROJECT NAME <u>Neyco - EAST</u> , <u>NO141-037</u> , CLIENT/CONTACT <u>JO HN GUENTHER</u>	Well or Surface Sile Number $\frac{MW - 104 S}{Sample Designation \frac{MW - 104 S - 1093}{Date, Time 104 S - 1093}}$ Weather
HYDROLOGY MEASUREMENTS:	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Mothod Used (M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes Method Used <u>Previous 1917</u>	Rinse Method , Date, Time $\frac{\sqrt{14}}{\sqrt{14}}$
Surface Water Flow Speed, Measurement Method	
SAMPLING:	
De Date, Volume Container Ta	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Decided to measure Field Qua	lity Data ANIN AN
1ST P.V. Vecause of Such 10	· · · · · · · ·
Well Went DRY before is	
able to obtain enough Its 0	
TAA SAL	UPLF=
	Y

EMCON Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766 LOCATION/ADDRESS <u>EVENET</u> WA PROJECT NAME <u>Nevice</u> FAST	<u>. (2141 - 037.46</u>	Well or Surface S	Sampling Ite Number <u>MW-1</u> Ion <u>MW-1055</u> 127/93 1115	
CLIENT/CONTACT <u>TO AN GUENTACE</u> HYDROLOGY MEASUREMENTS: (Nearest .01 II.) Elovation 0 <u>.T.W.9.25</u> ,	,Date, Time 10/27/93 1050	·	Ised (M-Scope Number or	Other)
<u>1), 25</u> <u>27</u> <u>(exis</u> <u>Pur</u>	od Used 5 <u>+                                   </u>	Rinse Method		ne 15
Sample Time Method (ml)	Depth Container Taken Type (leel) GLiASI		HUL	Sampler Cleaning Method on-Phosphatic etergent wash H2O rinse MeOH rinso Distilled H2O rinse
NOTES: PV = 10.0'-9.25 = 0.75 ÷	6 =0.13 pv		• • • • • • • • • • • • • • • • • • •	· · · ·
× Very little sample after Water is Dank I		· ·	observe.	L
Total # of Bottles:		Signature:	J. Michol	n Im SEA-400-01

EVENENTICONTACT TO have been been been been been been been be	Field Sampling Data Well or Surface Sile Number <u>MW-105D</u> Sample Designation <u>MW-105D-1093</u> Date, Time <u>10/27/13</u> 1136 Weather <u>Soliwst</u>
WELL EVACUATION: Gallons Pore Volumes Method Used <u>7 5+</u> , <u>37</u> , <u>Pump</u> Surface Water Flow Speed, Measurement Method	$\frac{Alinse Method}{\sqrt{ A^- }} = \frac{10/27/23}{1130}$ $\frac{10/27/23}{1130}$ $\frac{1130}{1130}$
SAMPLING:DepthSampleTimeMethod(mi)TypeDepthSampleTimeMethod(mi)Type(leet) $\sqrt{DC}$ $\frac{10/27/33}{27/33}$ $\frac{Disp Ascritter 40\% 23}{10/27/33}$ $\frac{40\% 23}{10\% 23}$ $\frac{40\% 23}{10\% 23}$ $\sqrt{DP} - D$ $\frac{10/27/33}{10}$ $\frac{Disp Ascritter 40\% 23}{10\% 23}$ $\frac{40\% 23}{10\% 23}$ $\frac{40\% 23}{10\% 23}$ $\sqrt{DP} - D$ $\frac{10/27/33}{10\% 23}$ $\frac{Disp Ascritter 40\% 23}{10\% 23}$ $\frac{40\% 23}{10\% 23}$ $\frac{40\% 23}{10\% 23}$ $\sqrt{DP} - D$ $\frac{11/30}{10\% 23}$ $\frac{12}{10\% 2}$ $\frac{11}{20\% 2}$ $\frac{12}{10\% 2}$ $\frac{11}{20\% 2}$ $\frac{Date}{20\% 2}$ $\frac{11/30}{10\% 2}$ $\frac{12}{10\% 2}$ $\frac{12}{10\% 2}$ $\frac{12}{10\% 2}$ $\frac{Date}{20\% 2}$ $\frac{10}{10\% 2}$ $\frac{15}{10\% 2}$ $\frac{10}{10\% 2}$ $\frac{1}{2}$ $\frac{6}{12\% 2}$ $\frac{1000}{10\% 2}$ $\frac{15}{10\% 2}$ $\frac{15}{10\% 2}$ $\frac{1}{2}$ $\frac{1}{100\% 2}$ $\frac{15}{10\% 2}$ $\frac{1}{10\% 2}$ $\frac{15}{10\% 2}$ $\frac{1}{2}$ $\frac{1}{10\% 2}$ $\frac{15}{10\% 2}$ $\frac{1}{10\% 2}$ $\frac{1}{10\% 2}$	Field       Sampler         Filtered       Preserva-       Iced       Cleaning $(yes,no)$ tive $(yes,no)$ Method $AL$ $HCL$ $Y$ Non-Phosphatic $HCL$ $HCL$ $HCL$ H2O rinse $HCL$ $HCL$ $HCL$ $HCL$ $HCC$ $HCL$ $HCL$ $HCL$ $HCC$ $HCC$ $HCL$ $HCL$ $HCL$ $HCC$ $HCC$ $HCL$ $HCL$ $HCC$ $HCC$ $HCC$ $HCL$ $HCL$ $HCC$ <td< td=""></td<>
NOTES: $PV = 28^{1} - 12.96 = 15.04 \div 6 = 2.50 pl$ $\Rightarrow 51.p (AP WAS Not ON CASING - CH$	
(lean, coluntess, No odon i	
Total # of Bottles:	Signaturo: Nutrienz Montan SEA-400-0

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EMCON Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Bothe Office (206) 485-5000 • FAX (206) 486-9766 LOCATION/ADDRESS EVENETT PROJECT NAME Ne VCD - FAST CLIENT/CONTACT TO how GueNTH HYDROLOGY MEASUREMENTS: (Nearest, 01 ft.) Elovation Of T. Wr. 3. 45	WA + 0141-037.41	Well or Surface Sil Samplo Dosignation Date, Timo Weather	<u>2.8 /93 1030</u>	-106,5'
WELL EVACUATION: Gallons Pore Volumes	Method Used <u>PCZ i'S TA PT C</u> <u>PUMP</u> Measurement Method	Rinse Method VIA VIA	Date, 	Time
Sample Time Method 8240, <u>Disp Builton 4</u> VOC. <u>Disp Builton 4</u>	Dept Diume Container Take (mi) Type (feel $o \times 2$ , GLASS $D \to 2$ , GLAS	n Fillered Pro	eserva· lced live (yes,no) $F_{CL}$ , $Y$ , $\frac{1}{2}$ , $\frac{1}{2}$ , $\frac{1}{2}$	Sampler Cleaning Method Non-Phosphatic detergent wash H2O rinse Distilled H2O rinse
NOTES: PV = 5.40' - 3.75 = 1. X = 14, 0 i N Mon	65÷6.=0.28p	······	21 V C d	
2	lenn, colon.	1055, NO, U	dor	· · · · · · · · · · · · · · · · · · ·
Total # of Bottles:	· · · · · · · · · · · · · · · · · · ·	Signature:	makala	SEA-400-01

Emcon Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Field Sampling Data
LUJATION/ADDRESS <u>EVENETT</u> WA PROJECT NAME <u>Nevco - East · 10141-037.46</u> CLIENT/CONTACT <u>TO AN GUENTHEN</u>	Well or Surface Site Number $MW - 107.5$ Sample Designation $MW - 107.5 - 109.3$ Date, Time $10/38/9.3$ , 1000 Weather
HYDROLOGY MEASUREMENTS: (Nearest .01 (1.) Elevallon Date, Time 0, T, W, 4, 57, 09210	Method Used (M-Scope Number or Other)
WELL EVACUATION:       Gallons       Pore Volumes       Mathod Used         3+       3+       CCLi's + G1+1C	Rinse Method     Date, Time $\mathcal{N}/\mathcal{A}$ $\mathcal{N}/\mathcal{A}$ $\mathcal{N}/\mathcal{A}$ $\mathcal{D}$ ate, Time
SAMPLING: Date, Volume Container Taker Sample Time Method (m) Type (feet) $\frac{1020}{8240}$ . $\frac{1020}{8240}$ . $\frac{1020}{1020}$ . $\frac{1020}{1020}$ . $\frac{1020}{1020}$ . $\frac{1020}{1020}$ . $\frac{1020}{1020}$ . $\frac{1020}{1020}$ . $\frac{1000}{1020}$ . $\frac{1000}{1020$	n Filtered Preserva leed Cleaning (yes,no) tive (yes,no) Method AI = HCL, $Y$ ; Non-Phosphatic detergent wash H20 rinse MeOH rinse Distilled H20 rinse Y = HAB
)4	Signaturo: " Miltolin Barro
Total # of Bottlas:	SEA-400-0

Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766 LOCATION/ADDRESS <u>EVENETT</u> WA PROJECT NAME <u>Neyco - East</u> 0 CLIENT/CONTACT TO how Guenthen	141-037.46	Well or Surface S Sample Designat	Sampling $\frac{1}{100} \frac{MW}{MW} - \frac{MW}{108}$	1085'
HYDROLOGY MEASUREMENTS: (Nearest .01 II.) Elevation $/U$ $0_{1}T_{1}W_{1} 5_{1}U_{1}$ , $/U$	Date, Time . 0/スア /93 . 120	Method U Soliwst	sed (M-Scope Number or	Other)
WELL EVACUATION: Gallons Pore Volumes Method U: <u>37</u> , <u>37</u> , <u>77</u> , <u>CZ is 79</u> Surface Water Flow Speed, Measu	sed <u>17:2.</u> rement Method	Rinse Method $\mathcal{V}/\mathcal{A}$ $\mathcal{N}/\mathcal{A}$	Dale, Tin 	me 3
SAMPLING: Date, Volume Controls Sample Time Method (ml) Ty $\frac{82+9}{82+9}$ , $10/37/1^{3}$ , $0isp$ $6ift$ , $49-423$ , $64574$ $\frac{10}{82+9}$ , $10/37/1^{3}$ , $0isp$ $6aift$ , $49-423$ , $64574$ $\frac{10}{82+9}$ , $10/37/1^{3}$ , $0isp$ $6aift$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-423$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-433$ , $49-43$			HUL , d	Sampler Cleaning Method Ion-Phosphatic letergent wash H2O rinse McOH rinse Distilled H2O rinse
NOTES: <u>PV = 9:40'-5.14 = 4.26 ÷ 6</u> <u>WGten is clean</u> , c	·	obse		
Total # of Boilles:		Signature:	1. Nyhan	L MAND SEA-400-0

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EMCON Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Dothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Field Sampling Data
LUCATION/ADDRESS <u>EVENETT</u> WA PROJECT NAME <u>Neyco - Past</u> . <u>10141-037.46</u> CLIENT/CONTACT <u>TO AN GUENTACE</u>	Woll or Surface Sile Number $MW - 108$ , $D$ Sample Designation $MW - 108$ , $D - 1093$ Date, Time $16/27/93$ , $UU$
HYDROLOGY MEASUREMENTS: (Nearest .01 II.), Elovation Date, Time $0_1T_1W_1$ $0_2T_1G_2$ , $10/27/93$ , $10/25$	Method Used (M-Scope Number or Other)
WELL EVACUATION:       Gallons       Pore Volumes       Method Used         10.51,       31       Pexistality       Period         Surface Water Flow Speed       Method Used       Pexistality       Pexistality	Rinse Method Date, Time $\frac{\sqrt{14}}{\sqrt{14}}$ , $\frac{10/27/93}{\sqrt{14}}$ , $\frac{10}{\sqrt{27}}$ , $\frac{10}{\sqrt{27}}$ , $\frac{10}{\sqrt{14}}$ , $\frac{10}{\sqrt{27}}$ , $\frac{10}{27$
SAMPLING: Date, Sample Time Method (mi) Type (feet) $\frac{g_2+TO}{2}$ $10/27/172, 0isp earltr 4 \frac{49+22}{10+22}, \frac{6674517}{10+22}, \frac{1}{10+22}, \frac$	06541402
Total # of Bottles:	SIgnaturo:

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Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Dothell, WA 98011	Field Sampling Data
Diffice (206) 485-5000 • FAX (206) 486-9766 LOCATION/ADDRESS <u>EVERETT</u> WA PROJECT NAME <u>NEVCO WEST</u> <u>NO141-037.46</u> CLIENT/CONTACT <u>TO DN GUENTHER</u>	Woll or Surface Site Number $MW - 104.5$ Sample Designation $MW - 109.5 - 109.3$ Dato, Time $101.38.193.091.5$ Weather
HYDROLOGY MEASUREMENTS:(Nearest .01 ft.)ElevationDate, Time $0.17. W. 5.44$ $0.900$ $10/29/93$	Method Used (MScope Number or Other)
WELL EVACUATION:       Gallons       Pore Volumes       Method Used	Rinse Method     Date. Time $\mathcal{N} A$ $\mathcal{N} A$ $\mathcal{N} A$ $\mathcal{O}g/\$$ $\mathcal{N} A$ Date. Time
SAMPLING:       Depi         Date,       Volume       Container       Take         Sample       Time       Method       (mi)       Type       (fee $g240$ Disp       Gailta $40 \times 2$ GLiASS $40 \times 2$ GLiASS $40 \times 2$ $61 \times 2$ <	en Filtered Preserva- Iced Cleaning
NOTES: $PV = 10.70' - 5.44 = 5.26 \div 6 = 0.88 f$	observed
Water is elerr slighty yell	л ^с
Total # of Bottles:	Signaturo: 4 Michelm Pun SEA-400-

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1005 - 0294	
<u> </u>	
or Olher)	
Time	
2-15-94	
Sampler Cleaning Melhod	
Non-Phosphalic detergent wash H2O rinse MeOH rinse	
Distilled H2O rinse	
· · · · · · · · · · · · · · · · · · ·	

Emcon Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Hothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Field Sampling Data
LOCATION/ADDRESS <u>Everate</u> PROJECT NAME <u>Weyco Eqst</u> 10141-037,46 CLIENT/CONTACT John Gunther	Woll or Surface Sile Number $\underline{MW} - 000$ Sample Designation $\underline{MW} - 1000 - 0294$ Date, Time $2-55 - 94$ Weather
HYDROLOGY MEASUREMENTS:         (Nearest .01 II.)       Elevation       Date, Time $Dtw = 8,84$ $2 - 19 - 94$ $2 - 19 - 94$ $-7,62$ $2 - 15 - 94$ $2 - 15 - 94$	Method Used (M.Scope Number or Other) Slope Prolicator
WELL EVACUATION:       Gallons       Pore Volumes       Method Used         3.75       X3       Percestal lic.         Surface Water Flow Speed	Rinse Method Date, Time
AMPLING:	, Date, Time,
Date, $Volume$ Container Taken Sample Time Method (mi) Type (feet) 3240-2-15-94,, $2x400$ , $9kss1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,, $1000$ ,	Field Filtered Preserva- (yes,no) tive (yes,no) Method HCL, Y, Non-Phosphatic detergent wash H2O rinse MeOH rinse Distilled H2O rinse
IELD WATER QUALITY TESTS:         Pore Vol.         Number $pH$ Conductivity       Temp       Eh         1 $(.F14)$ $1.26$ $12.9$	
OTES:	
bpth = 30.10	
V= 3175	2. 
Clean yellow tint	· · · · ·
un characteristic odor	
}	
plai # of Bollies:	· YI ITAT

Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Office (206) 485-5000 • FAX (206) 486-	9766	Field Sampling Data
LOCATION/ADDRESS <u>Everatt</u> PROJECT NAME <u>Weyco</u> <u>Eqst</u> 		Well or Surface Sile Number $\underline{MW - [O] S}$ Sample Designation $\underline{MW - [O] S}$ Date, Time $\underline{2 - [5 - 94]}$ 1/15 Weather
HYDROLOGY MEASUREMENTS: (Nearest .01 (I.) El ,,,,	evation Date, Time . 2-14-94	Method Used (M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes	Method Used Perastallic Permp	Rinse Method Date. Time
Surface Water Flow Speed		Date, Time
SAMPLING: Date, Sample Time Method WTPN-D 2-15-94, BAAA Diss As,	Volume     Container     Depth       (mi)     Type     (feol)       1000     Skyrs	Filtered Preserva Iced Sampler
FIELD WATER QUALITY TESTS: Pore Vol. Number $\begin{array}{c} pH \\ \hline 1 \\ \hline 2 \\ \hline 3 \\ \hline 4 \\ \hline 5 \\ \hline \end{array}$ , $\begin{array}{c} pH \\ \hline 6150 \\ \hline 4017 \\ \hline -9575 \\ \hline 4 \\ \hline 537 \\ \hline \hline 1 \\ \hline 537 \\ \hline \hline 1 \\ \hline 537 \\ \hline \hline 1 \\ \hline 1 \\ \hline 537 \\ \hline \hline 1 \\ \hline 537 \\ \hline \hline 1 \\ \hline \hline 1 \\ 1$	Temp     Eh	
Depth = 9.16		·
eleur - yullow fint		
consciencesteristic odor		· · · ·
)		
		//

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	Emcon Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Field Sampling Data
	LOCATION/ADDRESS <u>Everett</u> project NAME <u>Weyco Eqst</u> #0141-037.46 client/contact John Gunther	Well or Surface Site Number $\underline{MW - 102S}$ Sample Designation $\underline{MW - 102S}$ Date, Time $\underline{2 - 15 - 94}$ Weather
1	HYDROLOGY MEASUREMENTS: (Nearest .01 It.) Elevation Date, Time $\underline{Dtw = 8,07}$ , $\underline{2-14-94}$ $\underline{8,05}$ , $\underline{2-15-94}$ , $2-1$	Method Used (M-Scope Number or Other)
. *	WELL EVACUATION: Gallons Pore Volumes Method Used Perostal trc. Surface Water Flow Speed, Measurement Method	Rinse Method         Date, Time           2-1.5-94
	SAMPLING: Depth Date, Volume Container Taken	Field Sampler Filtered Preserva- Iced Cleaning (yes,no) tive (yes,no) Method
	Sample       Time       Method       (mi)       Type       (real) $2w/2fEx$ $2-15-94$ $2x40$ $3(a33)$ $3(a33)$ $3(a33)$ $PeP$ $2x40$ $3(a33)$ $3(a33)$ $3(a33)$ $3(a33)$ $PeP$ $3(a33)$ $3(a33)$ $3(a33)$ $3(a33)$	Hc.L     V     Non-Phosphalic detergent wash       H2O rinse     H2O rinse       V     H2O rinse       V     H2O rinse       V     H2O rinse       V     H2O rinse
•	FIELD WATER QUALITY TESTS:         Pore Vol.       Number       pH       Conductivity       Temp       Eh         1	
	NOTES: Depth = 8.90 <u>PV=</u> Not enough worker in well.	
. <b>}</b>		
	Total # of Bottlos:	SIGNALURO: SEA-400-0

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Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Office (206) 485-5000 • FAX (206) 486-	9766		Field Sa	mpling Dat	a
LOCATION/ADDRESS <u>Everate</u> PROJECT NAME <u>Weyco Eqst</u> CLIENT/CONTACT John Gunt			Well or Surface Site Nu Sample Designation _ Date, Time2-15- Weather	<u>nw-103s</u>	
HYDROLOGY MEASUREMENTS: (Nearest .01 (I.) El <u>Dtw = 11,33</u> , <u>11,76</u> WELL EVACUATION:	evalion Date, Tim ユー14-9 こっち-9 スコ5-9	<u>94</u>			
Gallons Pore Volumes	Method Used Perastalic, Ramp, Measurement Me	 	Rinse Method	Date, Time 2-15-94	
SAMPLING:         Date,         Sample       Time         States       A         States       A         Building       B         B       B         B       B         B       B         B       B	Volume Container (mi) Type <u>2x40</u> , <u>5kss</u> , <u>1000</u> , <u>100</u> , <u>100</u> , <u>1000</u> , <u>100</u> , <u>1</u>	Depth Taken (feel)	Field Filtered Preserva- (yes,no) tive HCL Y., HLbz	Date, Time iced Sampler Cleaning (yes,no) Method , Non-Phospha detergent wa H2O rinse , MeOH rinse , Oistilled H2C rinse	llic
$\frac{3}{4}$ Notes: $\frac{1}{5}$	allecte a sample				
	- CONTE E Sanfly	· ·			
Total # of Bottles;	D		_SIgnature:	AL-	-

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HYDROLOGY MEASUREMENTS:	1-037, 46 Date, Time .14 -94 594	Samplo Dosig Dato, Timo Woathor	o Sile Number <u>1</u> nation <u>MW -</u> 2 - 15 - 94	NW-103 D 103 D 12000
(Nearest .01 II.) Elevation D $D \pm \omega = 10, 47$ , $2-$	<u>14 -94</u>	Melhor		
	<u> </u>	Slope It	Used (M.Scope	Number or Other)
WELL EVACUATION: Gallons Pore Volumes Method User <u>2.75</u> <u>X3</u> <u>Perostal trc</u> Surface Water Flow Speed Measurer		Rinse Method		Date, Time
Surface Water Flow Speed, Measurer	ment Method	•	Date, Ti	ime;
Date, Volume Contain Sample Time Method (ml) Type $\frac{9149}{2}$ , $\frac{2-15-94}{2}$ , $\frac{1000}{2}$ , $\frac{91485}{2}$ $\frac{1000}{2}$ , $\frac{1000}{2}$ ,		(yes,no)		ced Sampler Cleaning s,no) Method Y, Non-Phosphalic detergent wash H2O rinse MeOH rinse Distilled H2O rinse
FIELD WATER QUALITY TESTS: Pore Vol. Number $0.57$ Conductivity Temp. 1.67 $1.3172$ $6.55$ $1.10$ $1.3173$ $6.55$ $1.10$ $1.414$ $1.10$ $1.104$ $1.10$ $1.104$ $1.10$ $1.10$ $1.101.10$ $1.10$ $1.10$ $1.101.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.10$ $1.1$	Eh ,			· · · · · · · · · · · · · · · · · · ·
Depth = 27.60		• ,		
PV = 2.75				
Clair - Yellow tint				
uniburacteristic color,	•			
<u>}</u>				
Total # of Bottles:		Signaturo;	Cond 1 1 1	1

LOCATIONIADDRESS Everett CLIENTICONTACT John Grunt HYDROLOGY MEASUREMENTS: (Noarost .01 11.) DEW= 11,53		Woli or Surfaco Silo N Sample Dostination Date, Tiplo_2-15 Weathor	(MiScone Number of All
WELL EVACUATION: Gallons Pore Volumes	Method Used Perastal ic.	Rinse Method	Date, Time 2-15-94
Surface Water Flow Speed	, Measurement Method		Dale, Time
Sample         Date,           Sample         Time           WTPH-D         2-15-94           Butt	Depth Volume Container Taken (ml) Type (feet) 1000, Cless		(Yes.Ro) Method
FIELD WATER QUALITY TESTS: Pore Vol. Number $1^{\text{pH}}$ Conductivity 1 $0157$ , $14252$ $6262$ , $1.253$ $670$ , $14324$ $5$ $1254$ $1251432NOTES:$	Tomp     Eh       1411		
Depth = 13.0			
PV=.25 <u>Clean- Kullow tr</u> <u>uniharianterizte</u>			
Total # of Boilles:		SIgnature:	SEA-400-01

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Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Office (206) 485-5000 • FAX (206) 486-	Nothell, WA 98011 9766		ampling Data
LOCATIONIADDRESS <u>Everatt</u> PROJECT NAME <u>Weyco</u> <u>East</u> CLIENTICONTACT John Gunt	10141-037.	Sample Designation	umber <u>MW-1055</u> <u>MW-1055</u> <u>-94</u> <u>1310</u>
HYDROLOGY MEASUREMENTS: (Nearest .01 fl.) EI Dtw = 8, 25 	evation Date, Time 2-14-94 2-15-91	Method Used (	M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes	Method Used Perastalic	Rinse Method	Date, Time 2-15-94
Surface Water Flow Speed		boli b	Date, Time
SAMPLING: Date, Sample Time Method 301/8754, $2-15-94$ ,	Volume Container 7	Depth Field aken Filtered Preserv (eet) (yes,no), tive 	a Iced Sample: (yes,no) Method (yes,no) Method Non-Phosphalic detergent wash H2O rinse MeOH rinse Distilled H2O rinse
FIELD WATER QUALITY TESTS: Pore Vol. Number 1 2 3 4 4 4 5 4 4 4 4 4 4 4 4	Temp Eh		· · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · ·  ·
NOTES: Depth = 10.0			
PV=.3 Bkickish Brown,		·	. ·
Uncharacteristic oclor			
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Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Ito Office (206) 485-5000 • FAX (206) 486-976	othell, WA 98011 66	Field Sam	pling Data
LOCATION/ADDRESS Everet		Well or Surlace Sile Number	MW-105 D X
PROJECT NAME Weyco East CLIENT/CONTACT John Gunth	#0141-037,46	Sample Designation <u>MW</u> Date, Time <u>2-157-94</u> Weather	105 D
HYDROLOGY MEASUREMENTS: (Noarest .01 II.) Eleve Dtw = 51.39	ation Date, Time <u>2-11-94</u>  Z-15-94	Method Used (M.Scope Slope Englicator	e Number or Olher)
WELL EVACUATION:			
Gallons Pore Volumes	Method Used Perastalic	Alnse Method	Date, 1'ine 5 -94
Surface Water Flow Speed	Measurement Method	Date,	; Time;
Sample Time Method	Depth Volume Container Taken (mi) Type (feet) 2 x40 9(455	Field Filtered Preserva (yes,no) tive (	iced Sampler Cleaning y(s.no) Method
<u>wtPH-0</u> <del>BMA</del> ,,,,,,, _		<u>Y</u> . <u><u>H</u>.<u>U</u><u>0</u>3</u>	V., Non-Phosphalic detergent wash H2O rinse MeOH rinse Distilled H2O rinso
FIELD WATER QUALITY TESTS: Pore Vol. Number $pH$ Conductivity 1 7.00, 1883 2 7.00, 983 3 7.03, 908 4 901	Temp     Eh       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1		
NOTES:			
Depth = 28	·	······································	
PV= 2.75			
Durwiete: MW-115	- 021594		· · · ·
- Time 1 curchementoristic oclor			
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)		-	
Total H of Bottles:	+ 2 Warpe	SIgnaturo:	1-111
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Emcon Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Field Sampling Data
LOCATION/ADDRESS <u>Everate</u> PROJECT NAME <u>Weyco East</u> #0141-037.46 CLIENT/CONTACT John Gunther	Woll or Surface Site Number $\underline{MW} - 106S$ Sample Designation $\underline{MW} - 106S - 02294$ Date; Time $\underline{2-15} - \underline{74} - \underline{7470}$ Weather
HYDROLOGY MEASUREMENTS:(Nearest 01 IL)ElevationDate, Time $Dtw = 3, 7.3$ $2 - 14 - 94$ $3, 7.3$ $2 - 1.5 - 94$	Method Used (M-Scope Number or Other)
VELL EVACUATION: Gallons Poro Volumes Method Used , <u>Perostal Irc</u>	Rinse Method Date, Time
urface Water Flow Speed, Measurement Method	Date, Time
Date, Volume Container Taken Sample Time Method (mi) Type (feet) $\frac{2}{87524}$ , $2-15-94$ , $2\times40$ , $3\times40$ ,	Field Filtered Preserva- (yes,no) live (yes,ice) Method 
IELD WATER QUALITY TESTS:         Pore Vol.         Number $pH$ Conductivity       Temp       Eh $1$ $7.25$ $5.4$	
ores: Pepth = 5.4 - 1.2 = 2.2 = 6 = 0.3 c	
$P_{r=1}$	······································
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Northwest, Inc.	•	Field S	ampling [	
18912 North Creek Parkway, Suite 100 • Dothell, WA	98011		amping L	Data
Office (206) 485-5000 • FAX (206) 486-9766				
LOCATION/ADDRESS Everett		Woll or Surface Site N	lumbor MW-107	S
PROJECT NAME Weylo Eqst	#0141-037.46	Sample Dosignation		
-client/contact John Gunther		Weather	<u>-94 /72</u>	2
HYDROLOGY MEASUREMENTS:				
(Nearest .01 (I.) Elevation $Dtw = 400$	Date, Time	Method Used	(M-Scope Number et Oth	
3,99	7-14-94	Slope Indica	tor	ier)
,,,	- <u>- <u>-</u> <u>-</u> <u>7</u> <u>-</u> <u>-</u> <u>7</u> <u>-</u> <u>7</u> <u>-</u> <u>7</u> <u>-</u> <u>-</u> <u>7</u> <u>-</u> <u>-</u> <u>-</u> <u>7</u> <u>-</u> <u>7</u> <u>-</u> <u>-</u> <u>-</u> <u>7</u> <u>-</u> <u>-</u> <u>-</u> <u>7</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u></u>	·	·	· · · · · · · · · · · · · · · · · · ·
WELL EVACUATION: Gallogs Pore Volumes N		· · · · · · · · · · · · · · · · · · ·		,
	lethod Used	Rinse Method	Uate, fime	•
	Remp	· · · · · · · · · · · · · · · · · · ·		
Surface Water Flow Speed,	Measurement Method		Date, Time	
SAMPLING:	• • • •		مىيىنىيە بەر يەت ئەرسىغ مىسىمىيە م	·
Date, Voluma	Depth	Field .		
Sample Time Method (ml)	Container Taken Type (feel)	Filtered Presen (yes,no) tive	Cle Cle	៣ឆ្នាំ១។ ឯពសែត្ត
<u>4/2154. 2-15-94</u> , <u>2×40</u> , <u>2×40</u> , <u>14/20</u> , <u>1620</u>	<u> </u>	<u>, 1461</u>		ethod Nosphalic
$\frac{14723}{1000}, \frac{1000}{1000}, 1$	Pohy	······································	deterg	ent wash D rinse
		-yHNO	MeO	H rinsa
/,,, ·, ·,	······································			led H2O nse
		•••		
TELD WATER QUALITY TESTS:		······································		· · · · · · · · · · · · · · · · · · ·
Pore Vol. Number OH Conductivity Jem	P Eh	•		•
Number $pH$ Conductivity Tem $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	·			
$\frac{1}{3}$ , $\frac{6.97}{7.0}$ , $\frac{.9497}{.00}$ , $\frac{7.0}{1.9}$				
			· · · · · · · · · · · · · · · · · · ·	
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OTES:	· · · · · · · · · · · · · · · · · · ·			
both - 880				
kpth = 8.80		<u></u>	······································	
V=.8	J			
Hydrocarbon - like oclor	Sheen		· · ·	
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olal # of Bottles: '2		_Signaturo:	11/11/	
		_Signaturo:	SEA-4	100-0:

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Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Office (206) 485-5000 • FAX (206) 486-	Bolkell, WA 98011 9766		Flel	d Sar	nplin	Ig Data
LOCATION/ADDRESS <u>Everatt</u> PROJECT NAME <u>Weyco Eqst</u> -CLIENT/CONTACT John Gunt		7.46	📄 Sample Desi	co Sile Numb gnalion $ML$ 2 - 15 - 9	<u>v - 1085</u>	1085 5
HYDROLOGY MEASUREMENTS: (Noarest .01 /t.) Ele Dtw = 4,79, 		me 94, 73,	Slope 7	od Usod (M.Sc Znalicator	cope Numbe	er or Olher)
WELL EVACUATION: Gallons Pore Volumes	Method Used . <u>Perastal Ic</u> . <u>Rump</u>	, . <u> </u>	Rinse Method		-15 -94	, Time
Surface Water Flow Speed	Measurement M	lethod	• •	D;	ate, Time	······································
SAMPLING: Date, Sample Timo- $\underline{wTPH-D}$ , $\underline{2-15-94}$ , Method Difs As,	Volume         Container           (ml)         Type           .1000,         Stars	Depth Taken (feet)	.Field Filtered (yes,no)	Preserva- tive <u>HJO3</u>	lced (yes,no;	Sample: Cleaning Methori Non-Phosphuike detergent wash H2O rinse MeOH rinse Distilled H2() rinse
FIELD WATER QUALITY TESTS: Pore Vol. Number $PH$ Conductivity 1 $7/3$ , $8440440-7/64$ , $-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2-9/2$	<u>Jeme</u> Eh <u>712</u> 468 <u>112</u>	· · · · · · · · · · · · · · · · · · ·				
Depth = 9.40						······································
PV= .75			<u> </u>			
Actes SULTY groytein no notice ble colors	ro lon	•				
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Emcon Northwest, Inc. 18912 North Creek Parkway, Suite 100 • Bothell, Office (206) 485-5000 • FAX (206) 486-9766	WA 98011	Field Sa	ampling Data
LOCATION/ADDRESS <u>Everate</u> PROJECT NAME <u>Weyco Eqst</u>		Well or Surface Site N Sample Designation Date, Time $2-15$	1080 MW - 1080
-CLIENT/CONTACT John Gunthen		Weather	
HYDROLOGY MEASUREMENTS: (Nearest .01 (I.) Elevation <u>Dといっ 7, /O</u>	Date, Time 2-15 -94 2-14-94	Method Used (A Slope Incliced	AScope Number or Other
· · · · · · · · · · · · · · · · · · ·	Method Used Perastaltic. Permp	Rinse Method	Date, rime 294
Surface Water Flow Speed	Measurement Method		Date, Time
Date,       Volum         Sample       Time       Method       (ml)         Sample       294       Az44       Az44         UrrPH-D,       1000       1000         Batta       1000       1000       1000         Batta       1000       1000       1000       1000	Туре . (leat) D. <u>9455</u> ,	Field Filtered Preserva (yes,no) tive (JCL  Y, Hwoz	lced Cleaning (yes,no) Method (yes,no) Method detergent wash H2O rinse MeOH rinsc Distilled H2c) rinse
Pore Vol. Number $PH$ Conductivity T 1 $2.71$ $457.63$ $7.20$ $-6004$ $7-4$ $-900$ $-6004$ $7-4$ $-900$ $-6004$ $7-4$ $-900$ $-6000$ $-7$	$\begin{array}{c} emp & Eh \\ \underline{l}_{1} \\ \underline{l}_{1} \\ \underline{l}_{1} \\ \underline{l}_{1} \\ \underline{l}_{1} \\ \underline{l}_{1} \\ \underline{l}_{2} \\ \underline{l}$		······································
NOTES:			
$\frac{\text{Depth} = 30.50}{\text{Pr} = 50.50}$		· · · · · · · · · · · · · · · · · · ·	
PV=3.5			
<u>clean - tan tint</u> <u>no no ticeble color</u>	· .		
)			
1			
Total # of Bottles:		_Signaturo:	
	·	June P	SEA-400-01

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Northwe 18912 North Creek 1 Office (206) 485-500	Field Sampling Data Woll or Surface Sile Number <u>Mw - 109 S</u> Sample Designation <u>Mw - 109 S -</u> Date, Time <u>2 - 15 - 94</u> Weather <u>1550</u>						
LOCATION/ADDRESS PROJECT NAME We CLIENT/CONTACT							
HYDROLOGY MEASUF (Noarost .01) <u>Dtw = 5.6</u> 	(l.) Elo	vallon	Date, Th 2-14- 2-15-		Method Used	(M-Scope Numbe	r or Olher)
WELL EVACUATION: Gallons	Pore Volumes	Method Perasta			Rinse Method	2-15-94	Time
Surlace Water Flow Spe 	ed			ethod	······································	Date, Time	
Date, Sample Time, 2-15-9 wTPH-D, BAAA DissAs, 1557 Rep. FIELD WATER QUALITY Pore Vol. Number 682 2, 680 3, 668	Z,, Z,, ,,	(ml) 1000,	Eh	Depth Taken (feot)	Field Fillered Preser (yes,no) live 		Sampler Cleaning Method Non-Phosphatic detergent wash H2O rinse MeOH rinse Distilled H2O rinse
<u>4</u> <u>5</u>	-+			·		• <u> </u>	•
lores: Depth = 10.70	· · ·	·		0			•••••••••••••••••••••••••••••••••••••••
Pv=,9							
Brown Bleck	·					<u> </u>	······
no no trèn ble	<u>vclor</u>					•	
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Project Namo Weyerheieuser East
Project Number 01411-037,55
Dato 2-14-94
Field Person Russell Thrates
errory roomport

# WATER ELEVATION DATA (in feet)

Well ID	Depth to Water	Depth to Product	Apparent Product Thickness		ureing oint	Groundwater Elevation	Comments
MW-1005	7.90			TOP of	<u>CAS 44</u>		
MW-1000	8,84	٠					
mw-1015	7,77			7			
inw-1025	8,07 .						· · · · · · · · · · · · · · · · · · ·
mw-joss	14,33	- •					
MW-103 D	10,47		•				
mw-1045	11.53						
mw-1053	8,25					· · · · · · · · · · · · · · · · · · ·	
MU-105D	9,39						
	3,23						
mu-ions	4,00					•	
mw-1085	4,79						
mu-108D	7.10						
MW-1095	5.61						
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_/FORMS/WED-FRM.318-93/lha:1

	Sweet-Edwards/EMCON, Inc. 10912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Field Sampling Data
تيور م	LOCATION/ADDRESS Everett, WA PROJECT NAME Weyerhaenser - East O141-037.68 CLIENT/CONTACT John Guenther	Well or Surface Site Number $\underline{MW} - 1005$ Sample Designation $\underline{MW} - 1005 - 0944$ Date, Time $\underline{972} / \overline{94}$ (0.3.5 Weather $\underline{-984}$ 60'
	HYDROLOGY MEASUREMENTS:         Date, Time           (Nearest .01 (I.)         Elevation         Date, Time           9/22/64         9/22/64         10/07	Method Used (M-Scope Number or Other)
	WELL EVACUATION: Gallons Pore Volumes Method Used Ora 5, X 3+ <u>for Prop</u>	Rinse Method Date, Time
	Surface Water Flow Speed, Measurement Method	Dale, Time
	SAMPLING: Depth	Field
	Date,     Volume     Container     Taken       Sample     Time     Method     (mi)     Type     (leet) <u>WT(H-D</u>	Filtered Preserva- Iced Sample,
•	FIELD WATER QUALITY TESTS: Pore Vol. Number pH Conductivity Temp Eh 1  5.71, $1220$ $20$ , $0.752$ , $5.24$ , $1.172$ , $19$ , $0.50$ , $$	
	······································	
t. y	NOTES:	
¢	well Depth: 10 -9,12 = 0.88 + 6 = 0.15 gal	Jons/Pere Volume
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		Q 2.5722

. )	Sweet-Edwards/EMCON, Inc. 18912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Field Sampling Data
	LOCATIONIADDRESS <u>Everett</u> , WA PROJECT NAME <u>Weyerhaenen - East</u> 10141-037.68 CLIENTICONTACT John Guenther	Well or Surface Sile Number $\underline{MW} = [00 \text{ D}]$ Sample Designation $\underline{MW} = 100 \text{ D} = 0.944$ Date, Time $\underline{9/2}, \underline{94}, \underline{1}, \underline{94}, \underline{7}$ Weather $\underline{7994}, \underline{60}$
	HYDROLOGY MEASUREMENTS: (Nearest .01 (I.) Elevation Date, Time 	Method Used (M-Scope Number or Other)
	WELL EVACUATION: Gallons Pore Volumes Method Used 2.5, X_3+ <u>Peri Prop</u>	Rinse Method Dale, Time
	Surface Water Flow Speed, Measurement Method	, Date, Time
)	Date, $Volume$ Container Taken Sample Time Method (ml) Type (leet) UT(H-0) Baile (orr) glass (leet) UT(H-0) Baile (orr) glass (leet) Diss. As $g/70/64$ , Per Pung (orr) $polu$ , $1$ , $1$ , $1$ , $1$ , $1$ , $1$ , $1$ , $1$	Fleid Filtered Preserva- Iced Sample: (yes,no) tive (yes,no) Method <u>No</u> , <u>Koore</u> , <u>Yor</u> , Non-Phosphaii. <u>detergent waw</u> <u>No</u> , <u>V</u> <u>H2O rinse</u> <u>MeOH siris</u> <u>Oistilled tage</u> <u>rinse</u>
•	FIELD WATER QUALITY TESTS: Pore Vol. Number $pH$ Conductivity Temp Eh 1 - 5.60 $950$ $16$ $2.53 - 5.74$ $880$ $16$ $5.03 - 5.85$ $970$ $16$ $7.5$	
•	NOTES:	
•	unell Depth: 25 - 11.69 = 13.31 ÷ 6 = 2.22 gal	lons/Pore Volume
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Sweet-Edwards/EMCON, Inc.	Field Sampling Dat
18912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Field Sampling Data
LOCATION/ADDRESS <u>Everett</u> WA PROJECT NAME <u>Weyerhammer - East</u> 0141-037.68 CLIENT/CONTACT John Guenther	Well or Surface Site Number $\underline{MW - 1315}$ Sample Designation, $\underline{MW - 1015 - 0944}$ Date, Time $\underline{9/25/94}$ $\underline{1125}$ Weather $\underline{5x223}$ $\underline{75}^{\circ}$
HYDROLOGY MEASUREMENTS: (Nearest .01 ft.) Elevation Date, Time 9/10/67	Method Used (M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes Method Used C. 5 X 3+ Peri Punp	Rinse Method Date, Time
Surface Water Flow Speed	Date, Time
SAMPLING: Date, Volume Container Taken Sample Time Method (ml) Type (leel) UTIH-D Project Corrow Jlass Diss As, 9/10/94, Peri Picag (JDD) Jlass Poly (JDD) Jlass Field Als 11.25, Brilor, JDD Jlass Arber PCP, June Container Taken FIELD WATER QUALITY TESTS: Pore Vol. Molecon & Jallow	Field Filtered Preserva- (yes.no) tive (yes.no) Methor/ <u>No</u> <u>HAD3</u> , <u>491</u> . Non-Phosphatic <u>detergent was:</u> <u>No</u> , <u>v</u> <u>H20</u> rinse <u>Mo</u> , <u>v</u> <u>t</u> <u>H20</u> rinse <u>t</u> <u>t</u> <u>t</u> <u>t</u> <u>t</u> <u>t</u> <u>t</u> <u>t</u>
Number $pH$ Conductivity       Temp       Eh         1       5.77 $420$ $72$ $0.05$	************************************
well Depth: 7.5 - 8.65 =0.25= 6=0.012 gal	lons/Pore Volume
	porte all but
Clear yellowith ligord	
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1 5	Xronna.

18912 North Creek Parky	vards/EMCON, Inc. way, Suite 210 • Bothell, WA 98 5000 • FAX (206) 486-9766	-   Field S:	ampling Dat
LOCATION/ADDRESS Everett, WA PROJECT NAME Weyerhamen - E CLIENT/CONTACT John Guenth	ast 1 0141-037.	Sample Designation	
HYDROLOGY MEASUREMENTS: (Nearest .01 /l.) Eleval	lion Date, Time 9/26/37	HS Method Used (	M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes $\chi_3 + \chi_4$	Method Used	Rinse Method	Dale, Time 9/ / 94
Surface Water Flow Speed	, Measurement Method		Date, Time
Sample Time Method UTIH-0 Diss As 9/ 94, Per Purp Total As, Bailor,		pth Field Ken Filtered Presen et) (yes,no) tive 1. <u>No</u> , <u>Fron</u> <u>1. No</u> , <u>V</u> <u>No</u> , <u>V</u>	(yes,no) Method <u>yes,no)</u> Method <u>yes,no)</u> Method <u>yes,no)</u> <u>detergent w</u> <u>H20 rins</u>
Poile vol.         Poile vol.           Number         pH         Conductivity			· · · · · · · · · · · · · · · · · · ·
unell Depth: t.S -	6	Jahons/Pore Volum	<u>ه_ ·</u>
	vig well		
			······································
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	Sweet-Edwards/EMCON, Inc.	Field Sampling Data
	18912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	
• • •	LOCATION/ADDRESS <u>Everett</u> , WA PROJECT NAME <u>Weyerhaencer - East</u> NO141-037.68 CLIENT/CONTACT John Guenther	Well or Surface Site Number $\underline{MW - 103_5}$ Sample Designation $\underline{MW - 103_5 - 0944}$ Date, Time $\underline{9/7d94}$ Weather SUMM $\overline{70^{\circ}}$
	HYDROLOGY MEASUREMENTS: (Nearest .01 ft.) Elevation Date, Time 9/0/64 100,	Melhod Used (M-Scope Number or Other)
	WELL EVACUATION: Gallons Pore Volumes Method Used X 3 + peri Prop	Rinse Method Date, Time
	Surface Water Flow Speed, Measurement Method	Dale, Time
	SAMPLING: Date, Depth Date, Volume Container Taken Sample Time Method (ml) Type (leel) $UT(H-D)$ $-\frac{1}{9/64}$ , $Beiler, (SV2)$ $-\frac{1}{964}$ . $-\frac{1}{964}$ $Diss As$ $-\frac{9/64}{10}$ , $Beiler, (SV2)$ $-\frac{1}{964}$ . $-\frac{1}{10}$ Depth Depth $Beiler, (SV2)$ $-\frac{1}{964}$ . $-\frac{1}{10}$ Depth $Beiler, (SV2)$ $-\frac{1}{964}$ . $-\frac{1}{10}$ $-\frac{1}{10}$ $-\frac{1}{10}$	Filtered Preserva- Iced Cleaning
	FIELD WATER QUALITY TESTS: Pore Vol. Number pH Conductivity Temp Eh	······································
	<u>2</u>	······································
	NOTES: Usell Depth: 9.5 - = :6=	allons/Pore Volume
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Sweet-Edwards/EMCON, Inc.	- Field Sa	mpling Da
18912 North Creek Parkway, Suite 210 • Bothell, WA 980 Office (206) 485-5000 • FAX (206) 486-9766		
LOCATION/ADDRESS Everett, WA PROJECT NAME Weyerhaencer - East #_ 0141-037.6 CLIENT/CONTACT John Guenther	Sample Designation.	
HYDROLOGY MEASUREMENTS: (Nearest .01 ft.) Elevation Date, Time <u>120</u>	Method Used (N	- I-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes Method Used 1.5D, X 3+ peri Pump,	Rinse Melhod	Date, Time 9/20/94
Surface Water Flow Speed, Measurement Method		Date, Time
Date, Volume Container Tak Sample. Time Method (ml) Type (le UT(H-D Difs. As: 9/20/94, Per Pure (SD) Poly Total As 12.30, Bailer, (SD) Poly Total As 12.30, Bailer, (SD) FIELD WATER QUALITY TESTS: Pore Vol. Number pH Conductlyity Temp Eh		(yes,no) Meth <u>(yes,no)</u> Meth <u>(yes,no)</u> Meth <u>(yes,no)</u> Meth <u>(yes,no)</u> Meth <u>(yes,no)</u> Meth <u>(yes,no)</u> Meth <u>(yes,no)</u> Meth
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
uvell Depth: 25 - 15:48=4.2 = 6= 1.53 denne Slighthy yellow	shins/Perevolum shinliquist	·····
<u>As 5.17 - 9</u>	oplarance	
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	18912 North Creek	dwards/l Parkway, Suite 2 ) 485-5000 • FA	210 • Botheil	WA 98011	Field	l San	pling	g Da
LOCATION/ADDR PROJECT NAME CLIENT/CONTACT	Ess <u>Everett</u> , weyerhaenen · John Gue	- East	<u> </u>	37.68	Well or Surfac Sample Desig Date, Time Weather	nation	W-104	- 1045. 5 - 099 Martin
HYDROLOGY ME/ (Nearest /2		Elevation	Date, Ti 9/79	me <u>గ గ</u> 1 <u>గై రుస్</u> ,	Method	J Used (M-Sc	ope Number	or Olher)
· · · · · · · · · · · · · · · · · · ·	Pore Volumes		ihod Used	, <u>,</u>	Rinse Method	•	Dale, 9/ <b>2.0</b>	Time   94
Surface Water Flow	w Speed	······································	Measurement N	lethod		Da	ile, Time :	
	ate, me Method <u>79/54</u> , <u>Per</u> , <u>Por</u> , <b>Briler</b>		Container Type Jlars Polu Juss Ander	Taken (feet)	Filtered (yes.ne) No. No.	Preserva. tive <u>Enone</u> HWD 3 Wone	iced (yes:no) yoy	Samp Clean Meth Non-Phos detergent H2O ri McOH a Distilled rins
FIELD WATER QU Pore Vol. Number p	ALITY TESTS: <i>Able</i> DH Conductivi			×		د بر میرود در میرود در میرود در میرود	tra sayara sa La sayara sa manana sa sa Antanana sa sa	
NOTES:	12.72 H; KS-12.	51 ⁼ 0.21	÷6=0,0			lolume_	, , , , , , , , , , , , , , , , , , ,	
	Fulled ~100		Δ	vell		ange	<u>ب</u> مر <del>میر</del> سر و و مرد مور و	
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Sweet-Edwards/EMCON, Inc. 18912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 406-9766	Field Sampling Data
LOCATION/ADDRESS <u>Everett</u> , WA <u>PROJECT NAME Weyerhammer - East</u> 0141-037.68 CLIENT/CONTACT John Guenther	Well or Surface Sile Number $\underline{MW - 1055}$ . Sample Designation, $\underline{MW - 1055 - 0944}$ Date, Time $\underline{9/U/194}$ 1-45 Weather $\underline{94009}$ $\underline{340}$
HYDROLOGY MEASUREMENTS: $(Nearest, 01 (I.))$ ElevationDate, Time $9:47$ $9/1/2$ $9/2/2$ $0.1/2$ $0.1/2$	Method Used (M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes Method Used 0.06, X 3+ peri Prop	Rinse Method Date, Time 9/2//94
Surface Water Flow Speed	, Date, Time'
Date, Date, Volume Container Taken Sample .Time Method (ml) Type (leet). Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vill-0 Vil	Field Fillered Preserva iced Sampler (yes.no) tive (yes.no) Method Mo Enore yes.no Method Non-Phosphatic detergent wash H2O rinse MeOH rin:: Distilled. Ins :
FIELD WATER QUALITY TESTS: Pore Vol. Number $pH GIK$ Conductivity Temp $Eh$ 1 - 6.19 $1260$ $70$ $0.062 - 6.19$ $1260$ $70$ $0.12$	
NOTES: 9.73 <u>unell Depth: 75 - 9:37 = 0.36 ÷ 6 = 0.06</u> Jak	
in Botton of Sarpl	e cup.
flad t- kvmp from bottom of well. ? Slow vechange	
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Sweet-Edwards/EMCON, Inc. 18912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Field Sampling Data
LOCATION/ADDRESS <u>Everett</u> , WA PROJECT NAME <u>Weyerhaencer - East NO141-037.(.8</u> CLIENT/CONTACT John Guenther	Well or Surface Site Number $MW - 105D$ Sample Designation, $MW - 105D - 0944$ Date, Time $9/21/94$ [9] Weather $51004$ $70^{\circ}$
HYDROLOGY MEASUREMENTS: (Nparest .01 (I.) Elevation Date, Time 9/4/54 095	Method Used (M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes Method Used 2.5, X_3+, <u>peri Punp</u>	Rinse Method Date, Time 9/21/94
Surface Water Flow Speed, Measurement Method	Date, Time
SAMPLING: Date, Date, Date, Date, Date, Date, Time Method (mi) Type (foet) Diss As, <u>9/1/94</u> , <u>Bailar</u> , <u>1070</u> , <u>9/1/52</u> , <u>1070</u> ,	Field Filtered Preserva- (yes.no) tive (yes.no) Methes: <u>A'b</u> <u>Enore</u> <u>Yot</u> , Non-Phosphinic <u>Wit</u> , <u>Hwb3</u> , <u>J</u> detergent wash <u>No</u> <u>Vo</u> <u>None</u> <u>Yot</u> , Non-Phosphinic <u>detergent wash</u> <u>H2O rinse</u> <u>MeOH rins:</u> <u>Distilled 14</u> : <u>Insc</u>
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
D.plicate: MW-110-0994 (	Jellowish Liquid
False time: 1000	
8. 4+4 = 8	SR Shh

Sweet-Edwards/EMCON, Inc.	
18912 North Creek Parkway, Suite 210 • Bothell, WA 98011 Office (206) 485-5000 • FAX (206) 486-9766	Field Sampling Data
LOCATION/ADDRESS Elverett, WA PROJECT NAME Weyerhaenen - East # 0141-037.68 CLIENT/CONTACT John Guenther	Well or Surface Sile Number $\underline{mw} - 106 \text{ s}$ Sample Designation, $\underline{mw} - 106 \text{ s} - 094 \text{ s}$ Date, Time $\underline{9/21/94}$ 1135 Weather $\underline{5unn}$ 72
HYDROLOGY MEASUREMENTS:       (Nearest .01 (I.))       Elevation       Date, Time	Method Used (M-Scope Number or Other)
WELL EVACUATION: Gallons Pore Volumes Method Used <u>0.5</u> , X <u>3+</u> <u>peri Prop</u>	Rinse Method Dale, Time 9/21/94
Surface Water Flow Speed, Measurement Method	Date, Time
SAMPLING: Depth	Field
Date, Volume Container Taken Sample Time Method (ml), Type (feel) $ \underline{vT(H-D)} $ $ \underline{V(H-D)} $ $ \underline{Par, Puor (sv)} $ $ \underline{Polu} $ $ Po$	Filtered Preserva Iced Samples (yes,no) tive (yes,no) Method <u>A'O</u> <u>Edone</u> , <u>YOI</u> , Non-Phosphasi <u>Jes</u> <u>HAD 3</u> <u>No.</u> <u>V</u> <u>No.</u> <u>No.</u> <u>V</u> <u>No.</u> <u>No.</u>
Pore Vol. Number $pH$ Conductivity Temp $Eh$ $-\frac{1}{2}$ $\frac{6\cdot20}{5\cdot20}$ $\frac{700}{5\cdot20}$ $\frac{71}{2}$ $\frac{0.5}{1\cdot0}$ $-\frac{2}{3}$ $\frac{6\cdot30}{6\cdot30}$ $\frac{610}{2}$ $\frac{7}{2}$ $\frac{1\cdot0}{1\cdot5}$ $\frac{1\cdot5}{5\cdot20}$	
NOTES: 5.90 Well Deoth: 5.3 - 3.89 = 2.01 + 6 = 0.34 and	
(leur color 145	5- Ligvid
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\$ 4	~ RR Stole

18912 North Creek Pa	Wards/EMCON, Inc. rkway, Suite 210 • Bothell, WA 98 85-5000 • FAX (206) 486-9766		mpling Data
LOCATIONIADDRESS <u>Everett</u> , <u>w</u> PROJECT NAME <u>Weyerhaencer</u> - CLIENTICONTACT <u>John Guen</u>	East 1 0141-037.1	Sample Designation :	1/94 1200
HYDROLOGY MEASUREMENTS: (Nearest .01 ft.). Ele	valion Date, Time <u>9/21/37</u> 11:45	Method Used (M	Scope Number or Olher)
WELL EVACUATION: Gallons Pore Volumes	Method Used peri frmp	Rinse Method	Date, Time 9/7/94
Surface Water Flow Speed			Date, Time
SAMPLING: Date, Sample Time Method $ \Box T(H-D) = \frac{Bailar}{Bailar}$ Diss As, $\frac{9/2d/94}{92}$ , $\frac{Bailar}{Bailar}$ Total As $\frac{1202}{52}$ , $\frac{Bailar}{202}$	Dep Volume. Container Tak (ml) Type (tee (070) J(455 (507) Poly (507) J 507 J 1077 glass Arber	en Filtered Preserva	(yes,no) Metho:
FIELD WATER QUALITY TESTS: Pore Vol. Number PH Conductivity POR PH Conductivity POR PH Conductivity POR PH Conductivity POR PH Conductivity POR PH Conductivity POR PH Conductivity POR PH POR PH PH POR PH PH POR PH PH POR PH PH PH PH PH PH PH PH PH PH	°C gallons Temp Eh [9] 0.05 [9] 0.10 [9] 0.15		
NOTES: . Unell Depth: 6 - 5.88 	=0.12 ÷ 6=0.02 g en surfac wurish turbid	allons/Pore Volume e of Danpl Lignid	
}		<u> </u>	
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· ·	Sweet-Edwards/EMCON, Inc. 18912 North Creek Parkway, Suite 210 + Bothell, WA 98011 Office (206) 485-5000 + FAX (206) 406-9766	Field Sampling Data
· •	LOCATIONIADDRESS <u>Everett</u> , WA PROJECT NAME <u>Weyerhaencer - East</u> <u>NO141-037.68</u> CLIENT/CONTACT John Guenther HYDROLOGY MEASUREMENTS:	Well or Surface Sile Number $\underline{mw} - 108s$ Sample Designation $\underline{mw} - 108s - 0944$ Date, Time $\underline{9/21/34}$ $\underline{7.445}$ . Weather Sunny 75
	(Nearest .01 /l.) Elevation Date, Time $9/24/5\gamma$	Method Used (M-Scope Number or Other)
	WELL EVACUATION: Gallons Pore Volumes Method Used O.S. X.3+ <u>Peri Prinp</u>	Rinse Method Date. Time 9/21/94
•	Surface Water Flow Speed, Measurement Method	Date, Time
	Date, Volume Container Taken Sample Time Method (ml) Type (feel) $\underline{v}_{1111-0}$ $\underline{v}_{111-0}$ $\underline{v}_{11-0}$ $v$	Field Fillered Preserva Iced Sample Cleaning (yes,no) tive (yes,no) Method <u>A b K Aone</u> <u>Yor</u> , Non-Phosphatte <u>Yer</u> , <u>HAD3</u> , <u>Jer</u> , detergent wast <u>No</u> , <u>V</u> , <u>HAD3</u> , <u>H2O rinse</u> <u>No</u> , <u>V</u> , <u>None</u> <u>MeOH rinse</u> <u>No</u> , <u>V</u> , <u>MeOH rinse</u> <u>V</u> , <u>More</u> <u>V</u> , <u>MeOH rinse</u>
	FIELD WATER QUALITY TESTS: Pore Vol. Number $C_{pH}$ Conductivity Temp Eh $-1$ $C_{2}C_{2}$ $S_{32}$ $22$ $0.5$ $-2$ $C_{2}C_{2}$ $S_{32}$ $22$ $0.5$ $-2$ $C_{2}C_{2}$ $S_{32}$ $22$ $0.5$ $-2$ $C_{2}C_{2}$ $S_{32}$ $22$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$ $-2$ $0.5$	
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	18912 Nor	et-Edwards/ h Creek Parkway, Suite lice (206) 485-5000 • P	210 • Bothell		Field	d San	nplin	g Data
PROJEC CLIENT/	TNAME <u>Weyerha</u> CONTACT <u>John</u>	Guenther	<u> </u>	37.68	. Sample Desig	$\frac{1}{9}$	<u>64-10</u>	8,0-0994. Bos
 	OGY MEASUREMENTS (Nearest .01 (t.) 1.13,	: Elevation	Date, Tin 9/24/4	ne 14 2-17	Metho	d Used (M·Sc	ope Numbe	er or Other)
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Surfacev	Vater Flow Speed		Measurement Me	othod		, , Da	le, Time	
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		Neet-Edwards North Creek Parkway, Suit Office (206) 485-5000	e 210 + Bothell WA open	Fleld Sa	mpling Data
+	LOCATION/ADDRESS	Everett, WA haenen - East. Sha Guenther	<u> </u>	Well or Surface Site Num Sample Designation Date, Time $9/2/_$ Weather $20004$	mber <u>MW - 1095</u> <u>NW - 1095 - 0944</u> 194 1355 75
ł	HYDROLOGY MEASUREMEN (Nearest .01 ft.)	NTS: Elevation	Date, Time 9/31/44 1331	Method Used (M	Scope Number or Other)
	WELL EVACUATION:	<u>+</u> , <u></u>	lethod Used	Rinse Melhod	Date, Time 9/2//94
•-		······································	Measurement Method		Date, Time
<u>l</u>	SAMPLING: Date, Sample Time $\sqrt{7}H-0$ $\sqrt{3}SAs$ 9/21/94 10/21/94 10/21/94 10/21/94 10/21/94 10/21/94 10/21/94	Volume Method (ml) Bailar (022) Per Purg (522) Bailor (522) Solor (522)	Depth Container Taken Type (feet) Jars,	Field Filtered Preserva- (yes.no) tive <u>No</u> <u>Frome</u> <u>No</u> <u>Vore</u>	(Yes.no) Method
	$ \begin{array}{c} 1 & (a 32 \\ -2 & 6.26 \\ \hline 3 & 6.26 \\ \hline \hline \hline \hline \hline \hline } & \hline \end{array} $	$\begin{array}{c} 4 \Im c_{cm} & e_{c} \\ \hline Conductivity & Temp \\ \hline 390 & 17 \\ \hline 390 & 17 \\ \hline 410 & 17 \\ \hline \end{array}$			
-	usell Depth; 10.	5-7.21 = 3.2a	+6=0.55 gall. Leni colordors	1. quil	
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# ATTACHMENT B

# WEYERHAEUSER EVERETT EAST SITE SOUTH END FOLLOWUP SUMMARY REPORT

# SOUTH END FOLLOW UP

#### SUMMARY REPORT

# WEYERHAEUSER EVERETT EAST SITE

Prepared for

1

Weyerhaeuser Company 101 East Main Marine View Drive Everett, Washington

March 17, 1995

#### Prepared by

EMCON 18912 North Creek Parkway, Suite 100 Bothell, Washington 98011-8016

Project 0141-037.64

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# **1 INTRODUCTION**

EMCON has prepared this report summarizing findings pertaining to excavation oversight, soil sampling, and laboratory analyses associated with the Weyerhaeuser Everett East Site South End. Field activities pertaining to this scope of work were performed during June and July 1993.

Tasks completed as part of this scope of work consisted of the following:

- Overseeing soil removal from two locations, designated EX-1 and EX-2, field screening for the presence of total petroleum hydrocarbons (TPH), and collect soil samples from the limits of excavations EX-1 and EX-2 for laboratory analyses.
- Collecting six soil samples from approximately 460 cubic yards of stockpiled soil for laboratory analyses.
- Collecting groundwater samples from excavation EX-1 for laboratory analyses.
- Pumping, treating, and discharging approximately 7,000 gallons of groundwater from excavation EX-1.

## 1.1 Background

The South End is located in the southern portion of Area 3 on the Weyerhaeuser Everett East Site. Soil TPH concentrations exceeding 200 mg/kg were identified at two locations during prior assessment activities EMCON performed at the East Site. These two locations were designated EX-1 and EX-2 and are shown on Drawing 1 attached to the *Phase I Assessment* for Areas 3 through 10, Weyerhaeuser Everett East Site (EMCON, 1994).

The purpose of this scope of work was to identify, delineate, and excavate TPH impacted soil from locations EX-1 and EX-2. EMCON's approach was developed based on state of Washington Department of Ecology (Ecology) Model Toxics Control Act (MTCA) regulations and guidance pertaining to TPH contaminated soil. Stockpiled soil sample laboratory parameters were selected for the purpose of soil disposal.

# 2 SOIL SAMPLING AND ANALYSIS

## 2.1 Excavation EX-1

Excavation EX-1 was located approximately 50 feet west of the Weyerhaeuser railroad spur immediately north of the former above ground diesel fuel storage tank foundation (Figure 1). The excavation dimensions were approximately 75 feet long, 40 feet wide, and 4 feet deep. Groundwater was encountered within the excavation at approximately 4 feet below the ground surface.

One vertical composite soil sample from each of the four excavation sidewalls was collected from approximately 12 inches below the ground surface to immediately above where groundwater was encountered.

Soil samples were submitted to Columbia Analytical Services, Inc. (CAS), located in Bothell, Washington. Samples were screened for TPH by Ecology Method WTPH-HCID. WTPH-HCID results exceeding the parameter specific detection limits were rerun by using the appropriate WTPH analyses (i.e., gasoline by WTPH-G, diesel by WTPH-D, or oil by WTPH-O). Summaries of laboratory soil data for soil samples collected from excavation EX-1 are presented on Table 1. Laboratory reports are included in Appendix B of the *Phase I Assessment for Areas 3 through 10, Weyerhaeuser Everett East Site*.

# 2.2 Excavation EX-2

Excavation EX-2 was located approximately 25 feet east of the Weyerhaeuser spur, directly east of excavation EX-1. The excavation dimensions were approximately 15 feet long, 10 feet wide, and 4 feet deep. No groundwater was encountered within excavation EX-2 at 4 feet below the ground surface, the maximum depth explored.

One vertical composite soil sample from each of the four excavation sidewalls was collected from approximately 12 inches below the ground surface to the bottom of the excavation. In addition, one soil sample was collected from the bottom of the excavation.

Soil samples were submitted to CAS and screened for TPH by Ecology Method WTPH-HCID. WTPH-HCID results exceeding the parameter specific detection limits were rerun by using the appropriate WTPH analyses (i.e., gasoline by WTPH-G, diesel and oil by WTPH-D extended). Summaries of laboratory soil data for soil samples collected from excavation EX-2 are presented on Table 2. Laboratory reports are included in Appendix B of the *Phase I Assessment for Areas 3 through 10, Weyerhaeuser Everett East Site.* 

# 2.3 Stockpiled Soil

Approximately 460 cubic yards of soil removed from excavations EX-1 and EX-2 were stockpiled beneath the nearby utility shed. Six composite soil samples, designated SS-1 through SS-6, were collected from the stockpiled soil.

Stockpile soil samples were submitted to CAS and analyzed for TPH-D, extended. Summaries of laboratory soil data for the stockpiled soil samples are presented on Table 3. Laboratory reports are attached in Appendix B of the *Phase I Assessment for Areas 3* through 10, Weyerhaeuser Everett East Site.

Based on the TPH-D analyses, Weyerhaeuser evaluated alternatives and decided to postpone disposal of the stockpile until other remediation events were complete.

To evaluate soil disposal options, Weyerhaeuser staff collected a composite sample (SDS-RL-1) on August 31, 1994. The sample was analyzed for polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and total RCRA metals (i.e., arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver). Weyerhaeuser compared the laboratory results to WAC 173-303-100, Dangerous Waste Criteria, and designated the soil stockpile as solid waste.

A waste acceptance application was prepared, and Weyerhaeuser Regional Landfill accepted the stockpiled soils for disposal. On November 16 and 17, 1994, during remediation of the Everett West site, the contractor loaded the 598 tons of stockpiled soil into trucks owned by City Transfer, Inc. (CTI). CTI transported these soils to Weyerhaeuser's Materials Recovery Facility, which in turn transported the soils to the landfill by rail.

The laboratory reports for the purpose of waste designation analysis, including the waste acceptance application, landfill acceptance memo, and Cowlitz County Health District notification letter, are included in Appendix A.

## 3.1 Groundwater in Excavation EX-1

Groundwater within excavation EX-1 was encountered at approximately 4 feet below the ground surface. On July 1, 1993, one groundwater sample, designated EX-1, was collected from excavation EX-1. Groundwater sample EX-1 was submitted to CAS and analyzed for TPH-D, extended. TPH-D was detected at 26.3 mg/L. Based on groundwater sample EX-1 laboratory results, EMCON proposed groundwater treatment at this location.

On July 23, 1993, approximately 7,000 gallons of groundwater were removed from excavation EX-1. The groundwater was treated and discharged to Weyerhaeuser's Smith Island treatment facility. Subsequent to the groundwater treatment, another groundwater sample, designated EX-1(2), was collected from excavation EX-1. Groundwater sample EX-1(2) was submitted to CAS and analyzed for TPH-D, extended. TPH-D was not detected in sample EX-1(2). A summary of excavation EX-1 groundwater data is presented on Table 4. Laboratory reports are included in Appendix B of Attachment A.

Based on field observations and a review of soil and groundwater sample laboratory results, the following conclusions were reached:

- No TPH compounds were detected above the laboratory reporting limits in soil samples EX-1S and EX-1W, collected from the south and west sidewalls of excavation EX-1, respectively. TPH-D was detected at 115 mg/kg in sample EX-1N and at 53 mg/kg in sample EX-1E2, collected from the north and east sidewalls of excavation EX-1, respectively. TPH-O was detected at 220 mg/kg in sample EX-1E2, collected from the east sidewall of excavation EX-1. Soil removal from the east sidewall of excavation EX-1. Soil removal from the railroad spur.
- No TPH compounds were detected above the laboratory reporting limits in soil samples EX-2S, EX-2E, and EX-2W, collected from the south, east, and west sidewalls of excavation EX-2, respectively. TPH-D was detected at 43 mg/kg in sample EX-2N and at 198 mg/kg in sample EX-2B, collected from the north sidewall and bottom of excavation EX-2, respectively. TPH-O was detected at 180 mg/kg in sample EX-2N and at 360 mg/kg in sample EX-2B, collected from the north sidewall and bottom of excavation EX-2, respectively.
- Six composite soil samples were collected from the approximately 460 cubic yards of stockpiled soil removed from excavations EX-1 and EX-2. TPH-D results ranged from 143 to 5,020 mg/kg, and TPH-O results ranged from 160 to 2,660 mg/kg.
- On July 1, 1993, one groundwater sample, designated EX-1, was collected from excavation EX-1. TPH-D was detected at 26.3 mg/L and TPH-O was detected at 5.7 mg/L in groundwater sample EX-1. On July 23, 1993, approximately 7,000 gallons of groundwater were removed from excavation EX-1, treated, and discharged on site. Subsequent to treatment, another groundwater sample, designated EX-1(2), was collected from the excavation. TPH-D and TPH-O were not detected in groundwater sample EX-1(2).

TABLES

# Summary of Soil Data for Excavation EX-1

Sample Identification	Date Collected	TPH-HCID (gas range) (mg/kg)	TPH-HCID (diesel range) (mg/kg)	TPH-HCID (oil range) (mg/kg)
EX-1N	06/29/93	20U	>50	100U
EX-1S	06/29/93	20U	50U	100U
EX-1E	06/29/93	20U	>50	>100
EX-1W	06/29/93	20U	50U	100U
Sample Identification	Date Collected	WTPH-G (mg/kg)	WTPH-D (mg/kg)	WTPH-O (mg/kg)
EX-1N	06/29/93	NA	115	100U
EX-1E	06/29/93	NA	603	400
EX-1E2	07/06/93	NA	53	220
NOTES: TPH-G TPH-D TPH-O U >		carbons as diesel.		

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## Summary of Soil Data for Excavation EX-2

Sample Identification	Date Collected	TPH-HCID (gas range) (mg/kg)	TPH-HCID (diesel range) (mg/kg)	TPH-HCID (oil range) (mg/kg)
EX-2N	06/29/93	20U	50U	>100
EX-2S	06/29/93	20U	50U	100U
EX-2E	06/29/93	20U	50U	100U
EX-2W	06/29/93	20U	50U	100U
EX-2B	06/29/93	20U	>50	>100
Sample Identification	Date Collected	WTPH-G (mg/kg)	WTPH-D (mg/kg)	WTPH-O (mg/kg)
EX-2N	06/29/93	NA	43	180
EX-2B	06/29/93	NA	198	360
NOTES:     TPH-G     =     total petroleum hydro       TPH-D     =     total petroleum hydro       TPH-O     =     total petroleum hydro       U     =     not detected at method repor       >     =     greater than method report		ocarbons as diesel. ocarbons as oil. porting limit shown.		

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## Summary of Stockpile Soil Data for Excavation EX-1 and EX-2

Sample Identification	Date Collected	WTPH-D (mg/kg)	WTPH-O (mg/kg)
SS-1	07/23/93	5,020	1,310
SS-2	07/23/93	1,290	580
SS-3	07/23/93	730	2,660
SS-4	07/23/93	143	670
SS-5	07/23/93	176	160
SS-6	07/23/93	1,910	230
NOTES: TPH-G TPH-D TPH-O U	<ul> <li>total petroleum hydr</li> <li>total petroleum hydr</li> </ul>		

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## Summary of Groundwater Data for Excavation EX-1

Sample Identification	Date Collected	WTPH-D (mg/l)	WTPH-O (mg/l)	
EX-1	07/01/93	26.3	5.7	
EX-1(2)	07/23/93	0.25U	0.75U	
NOTES: TPH-G TPH-D TPH-O U	<ul> <li>total petroleum hydr</li> <li>total petroleum hydr</li> </ul>	total petroleum hydrocarbons as gasoline. total petroleum hydrocarbons as diesel. total petroleum hydrocarbons as oil. not detected at method reporting limit shown.		

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# APPENDIX A

# LABORATORY DATA AND SOIL STOCKPILE DISPOSAL INFORMATION

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	and back pays. Tall 9-8-
WASTE	EUM CONTAMINATED SOILS ACCEPTANCE APPLICATION te an application for each waste)
Weyerhaeuser Landfill 1434 South Silverlake Road Castle Rock, Washington 98611	Agreement # $9407$ Acceptance # $9407-5$
General information for waste dispo	sal
Contact: <u>Struct</u> Phone: <u>-2016</u> - <u>373</u> - 2	Weyerhauser (burgang 101 East Marine U.E. Dr Everent Wa 9820) Triolo 871 Fax#: 204 335-2786
. Nominal quantity (ton or cubic ya	rds/day): <u>3000 cy</u>
. Activity which generated waste: _	Excavation of digiel contemported sinds
. Wastes current location:	v south end Mill & shed
: Wastes original location: Neur	- South enorance to Mill E, in ground
a diesel storage	activities which occurred on or near soils original location which <u>umber Stance shew with com</u> <u>locionet steitic concernent to the</u> <u>convertion under uncoversed Greas</u> <u>11 Material</u> <u>The fill material</u> <u>heriter fish and patentially</u>
	· · ·

Waste samples were collected in accordance with WAC 173-303-110(2).

FPI. Lab analytical procedures complied with WAC 173-303-110(3).

62.6 puf

c. Waste has been analyzed and is non-corrosive per WAC 173-303-090(6)(a)(iii)[pH].

GPT d. Waste has been analyzed and is non-toxic per WAC 173-303-090(8) [TCLP analysis for

 $\times$  e. Waste has been analyzed and is non-toxic per WAC 173-303-090(8) [TCLP analysis for F-list organics].

f. Waste has been analyzed and is non-toxic per WAC 173-303-090(8) [TCLP analysis for acids/base neutrals].

g. Waste has been analyzed and is non-toxic per WAC 173-303-090(8) [TCLP analysis for pesticides and herbicides].

 $\frac{1}{2}$  h. Waste has been analyzed and is non-toxic per WAC 173-303-101(5) [Fish bioassay only].

3P1 i. Waste has been analyzed and is non-persistent per WAC 173-303-102 [PAH only].

#### WEYERHAEUSER REGIONAL LANDFILL

SPT j. Waste has been analyzed and contains less than 2 ppm PCB's per EPA Method 8080.	
X k Waste has been analyzed for WTPH-HCID.	
FAR waste has been analyzed for heavy fuel per WTPH-418.1 modified.	
The Waste has been analyzed for diesel per WTPH-D.	
and the sector of the sector o	
$\frac{1}{100}$ Waste has been analyzed for BTEX per EPA Methods 8020 or 8240.	
$\underline{\times}$ n. Waste has been analyzed for gasonic per W 1111-0. $\underline{\times}$ o. Waste has been analyzed for BTEX per EPA Methods 8020 or 8240. $\underline{\times}$ 5. Chain of custody and lab analytical data for required waste analyses is attached.	
1. Other	<u>.</u>
	•

- 8. Customer certified that:
- a. The waste sampled and intended for disposal under this certification is neither dangerous nor extremely hazardous waste as determined by Ch. 173-303-WAC.
- b. The waste has no free liquids per WAC 173-303-110(3)(c)(i).

c. Customer further certifies that to the best of its knowledge, there have been no alterations to the waste that would affect the accuracy of the analyses performed above; that there have been no material changes in the character of the waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed as representative of the waste to be tendered to Weyerhaeuser Regional Landfill.

Signature of Authorized Agent

STUART Triold Enviro Engi

Printed Name and Title of Authorized Agent

Weyerhaerser Evenett

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- Collect a representative composite from the piles. Submit the composite(s) for SAH (EPA methods 3540/8310), PCB (EPA Merted 8080) and total metals analysis for the 8 D.W. Chamicteristic metals.

Date

9/20/94

9/20/94 Larry Fulcher Attachedis the last of the sample pater requested for soil sample SDS-RL-1 collected in Rabanco lease area at the Everett Mill. (EastEnd Soils) 1. - Data shows low level PAHy but none that would de signate under state worste rules. 2. Data show No PCB's. For I gave you the total RCRA metal data Lost week. Please evaluate New data, and indicate tour acceptance of this soil in writing . Thanks - Stuart Therelan

WAC 173-303-100 Dangerous Waste Criteria Analysis for Sample SDS-RL-1

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-4A--26

	_	Concentations	ons	
PAH Compounds	Carcinogens	РРВ	MGG	%
Phenanthrene	AN	2,600	2.60	0.0003
Flouranthene	NA	3,600	3.60	0.0004
Pvrene	NA	2,100	2.10	0.0002
Benzo (a) Anthracene	υ	1,100	1.10	0.0001
Chrysene	0	1,300	1.30	0.0001
Benzo (b) Flouranthene	o	1,700	1.70	0.0002
Benzo (k) Flouranthrene	0	006	06.0	0.0001
Benzo (a) Pyrene	0	950	0.95	0.0001
Total PAH Concentration		14,250	14.25	0.0014
Total Carcinogen PAH's		5,950	5.95	0.0006
Test Example			10,000	0 1.0000

1. Toxicity = WT01 or WT02

a. No biological testing performed; b. Not sufficient knowledge of how (PAH-type) waste was generated, therefore can't designate using criteria.

2. Persistence = WP01, WP02, WP03

a. Persistence state dangerous wastes have sum of PAH compounds greater than 1.0%

b. Based on the sum of Total PAH compounds, the SDS-RL-1 soils are not state dangerous wastes by this criteria method.

3. Carcinogenic = WC01 or WC02

a. Concentration of any one carcinogenic substance exceeds 0.01% (which is 100PPM) of the waste quantity

b. The total concentration summed for all carcinogenic substances exceeds 1.0% (which is 10,000PPM) of all waste quantity. c. Based on the concentration of invidivual and sum of carcinogen PAH's, no PAH's exceed either rule a. or b. for Sample SDS-RL-1.

EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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SDS-RL-1

b Name: WEYERHAEUSI	סכ	Contract:	8270		
6 Name: WEIERHAEOSI	SK				
Lab Code: WEYER	Case No.: 15832	SAS No.:	- SDG	No.: 5	DS11
Matrix: (soil/water)	SOIL		Lab Sample ID:	34159	)
Sample wt/vol:	41.4 (g/mL) G		Lab File ID:	2SV40	915C
-	LOW		Date Received:	09/01	L/94
% Moisture: 2	decanted: (Y/N) 1	N	Date Extracted	: 09/10	0/94
Concentrated Extract	Volume: 500.0	(uL)	Date Analyzed:	09/15	5/94
Injection Volume:	2.0 (uL)		Dilution Facto	r:	3.0
GPC Cleanup: (Y/N)	Y pH:	CON	CENTRATION UNIT	s:	
CAS NO.	COMPOUND		/L or ug/Kg) UG		Q

		1
91-20-3Naphthalene	730	υ
91-57-62-Methylnaphthalene	84	J
91-58-72-Chloronaphthalene	730	U
91-58-7	170	J
208-96-8Acenaphthylene	730	υ
83-32-9Acenaphthene	110	J
132-64-9Dibenzofuran	180	J
86-73-7Fluorene	2600	-
85-01-8Phenanthrene	240	JJ
120-12-7Anthracene	3600	Ŭ
206-44-0Fluoranthene	2100	
129-00-0Pyrene		
56-55-3Benzo (a) Anthracene	1100	
218-01-9Chrysene	1300	
205-99-2Benzo (b) Fluoranthene	1700	
207-08-9Benzo(k) Fluoranthene	900	
50-32-8Benzo (a) Pyrene	950	
193-39-5Indeno (1, 2, 3-cd) Pyrene	560	J
53-70-3Dibenz (a, h) Anthracene	730	ប្រ :
53-70-3 Dibeliz (a, 11) Andinadenie	480	J
191-24-2Benzo(g,h,i)Perylene	•	· ·
		- 1

EPA SAMPLE NO. 1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS SDS-RL-1 Contract: 8270 b Name: WEYERHAEUSER Lab Code: WEYER Case No.: 15832 SAS No.: SDG No.: SDS11 Lab Sample ID: 34159 Matrix: (soil/water) SOIL Lab File ID: 2SV40915C Sample wt/vol: 41.4 (g/mL) G Date Received: 09/01/94 Level: (low/med) LOW

* Moisture: 2 decanted: (Y/N) N Concentrated Extract Volume: 500.0 (uL)

21

Injection Volume: 2.0(uL)

Number TICs found:

GPC Cleanup: (Y/N) Y pH:

#### CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

Date Extracted: 09/10/94

Date Analyzed: 09/15/94

3.0

Dilution Factor:

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
8	CAS NORIBLIC		=======	===================	=====
		2-PENTANONE, 4-HYDROXY-4-MET	2.47	3200	BJNA
	1. 123-42-2	UNKNOWN	14.47	1700	J
1.	2.	DODECANE, 2,7,10-TRIMETHYL-	17.32	3400	NU
7	3. 74645-98-0	HEPTADECANE, 2,6-DIMETHYL-	18.14	7200	NC
-	4. 54105-67-8	UNKNOWN	18.75	590	J
	5.	UNKNOWN	19.45	2500	J
8	6.	UNKNOWN	19.54	4900	J
	.7.	METHYLDIBENZOTHIOPHENE	19.95	810	NC
1	8. 30995-64-3	ANTHRACENE, 1-METHYL-	20.52	1600	JN
	9. 610-48-0	9H-FLUORENE, 9-ETHYLIDENE-	20.59	2400	NU
	10. 7151-64-6		20.75	1000	J
3	11.	UNKNOWN PHENANTHRENE, 4-METHYL-	20.82	880	אנ
	12. 832-64-4	ANTHRACENE, 2-METHYL-	20.87	680	NC
9	13. 613-12-7	9,10-ANTHRACENEDIONE	21.49	1800	JN
-	14. 84-65-1	PHENANTHRENE, 3,6-DIMETHYL-	22.00	860	JN
	15. 1576-67-6		22.99	790	JJ
	16.	UNKNOWN BENZO [B] NAPHTHO [2, 3-D] FURAN	23.24	270	JN
	17. 243-42-5	PHENANTHRENE, 3,4,5,6-TETRAM		1300	JN
	18. 7343-06-8		26.16	680	J
	19.	UNKNOWN 2-CYCLOPROPEN-1-ONE, 2,3-DIP	1	1000	N
-	20. 886-38-4	2-CYCLOPROPEN-I-ONE, 2,5 DII	30.59	720	JN
	21. 205-82-3	BENZO [J] FLUORANTHENE	0.00		
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EPA SAMPLE NO.

18			SAMPLE NO.
SEMIVOLATILE ORGANICS ANALY	SIS DATA SHEET	1	
		SB	LKT1
Name: WEYERHAEUSER	Contract: 827		
Lab Code: WEYER Case No.: 15832	SAS No.:	- SDG No.:	SDS11
	тар	Sample ID: SBL	KT1
Matrix: (soil/water) SOIL			740915D
Sample wt/vol:	Lab	File ID: 2SV	10920-
	Dat	e Received:	
Level: (low/med) LOW	NT Dat	e Extracted: 09,	/10/94
& Moisture: decanted: (Y/N)	-		
Concentrated Extract Volume: 500.0	(uL) Dat	e Analyzed: 09	/ 13/ 24
	Dil	ution Factor:	1.0
Injection Volume: 2.0 (uL)			
GPC Cleanup: (Y/N) Y pH:	CONCENT	TRATION UNITS:	-
	(ug/L (	or ug/Kg) UG/KG	Q
CAS NO. COMPOUND			
Naphthalene		330 330	U U
91-20-3Naphthalene 91-57-62-Methylnaph	thalene	330	ט ד
		330	σ
		330	U
		330	U
		330	U U
132-64-9Dibenzoluze 86-73-7Fluorene 85-01-8Phenanthrene		330	σ
		330 330	υ
120-12-7Antifracenc 206-44-0Fluoranthene			
		330	
	iracene	330	
		330	
	pranthene	330	1 I
		330	
207-08-9Benzo (a) Pyre 50-32-8Benzo (a) Pyre	ene	330	1
		330	
193-39-5Dibenz (a, h). 53-70-3Dibenz (a, h).	Anthracene	330	) U
53-70-3Dibenz(a,h,i 191-24-2Benzo(g,h,i	) reryrene		

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EPA SAMPLE NO. 1FSEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS SBLKT1 Contract: 8270 b Name: WEYERHAEUSER Lab Code: WEYER Case No.: 15832 SAS No.: - SDG No.: SDS11 Lab Sample ID: SBLKT1 Matrix: (soil/water) SOIL Lab File ID: 2SV40915D Sample wt/vol: 30.0 (g/mL) G Date Received: Level: (low/med) LOW Date Extracted: 09/10/94 decanted: (Y/N) N % Moisture: Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 09/15/94 1.0 Dilution Factor: JInjection Volume: 2.0(uL) GPC Cleanup: (Y/N) Y pH:

Number TICs found: 2

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CONCENTRATION UNITS: (uq/L or ug/Kg) UG/KG

	COMPOUND NAME	RT	EST. CONC.	Q
	2-PENTANONE, 4-HYDROXY-4-MET	2.60	7700	JNA
	UNKNOWN	35.14	210	J
-i	· · · · · · · · · · · · · · · · · · ·	l	·····	

EPA SAMPLE NO.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

207-08-9-----Benzo(k)Fluoranthene

193-39-5-----Indeno (1,2,3-cd) Pyrene

53-70-3-----Dibenz (a, h) Anthracene

191-24-2-----Benzo(g,h,i)Perylene_

50-32-8----Benzo (a) Pyrene

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	10.00	Contract	• 8270		511
b Name: WEYERHAE	JSER	CONCLUCE		• <u> </u>	
Lab Code: WEYER	Case No.: 15832	SAS No.	: - SDG	No.:	SDS11
Matrix: (soil/wate:	r) SOIL		Lab Sample ID:	SLCS	Tl
Sample wt/vol:	30.0 (g/mL) G		Lab File ID:	2SV4	0915B
Level: (low/med	) LOW		Date Received:		
<pre>% Moisture:</pre>	decanted: (Y/N)	N	Date Extracted	l: 09/1	.0/94
Concentrated Extra	ct Volume: 500.0	(սե)	Date Analyzed:	09/1	5/94
Injection Volume:	2.0 (uL)		Dilution Facto	or:	1.0
GPC Cleanup: (Y/	N)Y pH:	CON	CENTRATION UNIT	cs:	
CAS NO.	COMPOUND		/L or ug/Kg) U(		Q
$ \begin{array}{c} 91-57-6\\ 91-58-7\\ 208-96-8\\ 83-32-9\\ 132-64-9\\ 85-01-8\\ 120-12-7\\ 206-44-0\\ 129-00-0\\ 56-55-3\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0\\ 01-9-0-0$	Naphthalene 2-Methylnapht 2-Chloronapht Acenaphthylen Dibenzofuran Dibenzofuran Fluorene Phenanthrene Fluoranthene Fluoranthene Pyrene Benzo(a)Anth Chrysene Benzo(b)Fluo	racene		330 330 330 330 330 330 330 330 330 330	ddddddddddd
_   205-99-2	Benzo(D) - Tuo	Lanchene		220	

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#### 2D SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: WEYERHAEUSER	Contract: 8270
Code: WEYER Case No.: 15832	SAS No.: SDG No.: SDS11
Level: (low/med) LOW	

SAMPLE NO. ( ====================================	(NBZ) # 69 63 66	(FBP) # 70 63 63	(TPH) # ====== 57 63 59	(TBP)# 80 62 59	OUT === 0 0 0
------------------------------------------------------	---------------------------	---------------------------	-------------------------------------	--------------------------	---------------------------

		QC LIMITS
S2	(NBZ) = Nitrobenzene-d5 (FBP) = 2-Fluorobiphenyl (TPH) = Terphenyl-d14	(23-120) (30-115) (18-137) (19-122)
92	(TPH) = Terphenyl-d14 (TBP) = 2,4,6-Tribromophenol	

*	Values outside of	to flag recovery values contract required QC limits
D	Surrogate diluted	out

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EPA SAMPLE NO.

1D AROCLOR ORGANICS ANALYSIS DATA SHEET

SDS-RL-1 Contract: b Name: WEYERHAEUSER SDG No.: SDS-11 Lab Code: WEYER Case No.: 15832 SAS No.: --Lab Sample ID: 34159 Matrix: (soil/water) SOIL Lab File ID: 42.6 (g/mL) G Sample wt/vol: Date Received: 09/01/94 decanted: (Y/N) 2 % Moisture: Date Extracted: 09/09/94 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/13/94 Concentrated Extract Volume: 10000 (uL) Dilution FACTOR: 1.0 Injection Volume: 1.00 (uL) Sulfur Cleanup: (Y/N) N pH: NA GPC Cleanup: (Y/N) N. CONCENTRATION UNITS: Q (ug/L or ug/Kg) UG/KG COMPOUND CAS NO. 4.6 U 12674-11-2--Aroclor-1016 45.5 U 11104-28-2--Aroclor-1221 22.8 U 11141-16-5--Aroclor-1232 22.8 U 53469-21-9--Aroclor-1242 22.8 U 12672-29-6--Aroclor-1248 22.8 U 11097-69-1--Aroclor-1254 4.6 0 11096-82-5--Aroclor-1260

FORM I PCB

3/90

EPA SAMPLE NO.

AROCLOR ORGANICS ANALYSIS DATA SHEET PBLK1 Contract: 1 Name: WEYERHAEUSER - SDG No.: SDS-11 ab Code: WEYER Case No.: 15832 SAS No.: Lab Sample ID: PBLK1_S0909 Matrix: (soil/water) SOIL Lab File ID: (g/mL) G sample wt/vol: 30 Date Received: NA decanted: (Y/N)Moisture: 0 Date Extracted: 09/09/94 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/13/94 oncentrated Extract Volume: 10000 (uL) Dilution FACTOR: 1.0 injection Volume: 1.00 (uL) Sulfur Cleanup: (Y/N) N pH: NA dpc Cleanup: (Y/N) N CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q COMPOUND CAS NO. 6.6 U 12674-11-2--Aroclor-1016_ 66.6 U 11104-28-2--Aroclor-1221 33.3 0 11141-16-5--Aroclor-1232 33.3 U 53469-21-9--Aroclor-1242 33.3 0 12672-29-6--Aroclor-1248 33.3 U 11097-69-1--Aroclor-1254 6.6 0 11096-82-5--Aroclor-1260

1D

FORM I PCB

3/90

# SOIL AROCLOR SURROGATE RECOVERY

_o Name:	WEYERHAE	JSER		•	Contract:			
/ V Cođe:	WEYER	Case	No.:	15832	SAS No.:	SDG N	o.: SD	S-11
C Column	(1): DB170	01	LD:	0.53 (mm)	GC Column(2):	DB608	ID:	0.53 (mm)

EPA	TCX 1	TCX 2		DCB 2	OTHER	OTHER	TOT
SAMPLE NO.	%REC #	%REC #		%REC #	(1)	(2)	OUT
PBLK1 LCS1 SDS-RL-1	*51 *50 *48	*50 *49 *47	65 *57 *5 <u>4</u>	===== 66 *58 *55	143 132 131	====== 142 133 130	=== 0 0 0

			ADVISORY
			QC LIMITS
TCX	=	Tetrachloro-m-xylene	( 60-160)
DCB	8	Decachlorobiphenyl	( 60-160)
		Isodrin	

# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

page 1 of 1

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FORM II PCB-2

3/90

SOIL AROCLOR LAB CONTROL SAMPLE RECOVERY Contract: Lab Name: WEYERHAEUSER SDG No.: SDS-11 Case No.: 15832 SAS No.: b Code: WEYER Lab Sample ID: LCS1_S0909 Date Extracted: 09/09/94 LCS Aliguot: 1000 (ul) Date Analyzed: 09/13/94 Concentrated Extract Volume:10000 (ul) Dilution Factor: 1.00 1.00 (ul) Injection Volume: Sulfur Cleanup: (Y/N) N GPC Cleanup: (Y/N) N ID: 0.53(mm) GC Column(1): DB1701 Instrument ID (1): HARPO QC MS MS SPIKE LIMITS CONCENTRATION % ADDED REC # REC. (ug/Kg) (ug/Kg) _____ COMPOUND COREXE ______ ========== 60-120 62.5 20.8 33.3 Aroclor-1016 65.8 60-120 65.8 100.0 Aroclor-1260 ID: 0.53(mm) GC Column(2): DB608 Instrument ID (2): HARPO-OC MS MS SPIKE LIMITS % CONCENTRATION ADDED REC # REC. (ug/Kg) (ug/Kg)COMPOUND ====== ____ _____ ____ *59.8 60-120 19.9 33.3 Aroclor-1016 60-120 *57.2 57.2 100.0 Aroclor-1260 # Column to be used to flag recovery values with an asterisk. * Values outside of QC limits. LCS Recovery: 0 outside limits out of 2 total. COMMENTS: May have been double spiked

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INTEROFFICE COMMUNICATION

Δ	Weyerhaeuser	Post-It brand fax transmittal memo 7671 #of pages > 12
Date	9/20/94	Ca Weyerhaeuser Phone # 24-6521
From	Rick Bogar	Dept. 737-2786 Fax#
Location	WTC-2F25	337-2 (00

Subject SR15832 Everett Soil Disposal (Organic Analysis Notes)

10 Stuart Triolo Everett 34

The results for the PAH analysis and an updated PCB report for sample SDS-RL-1 are attached. The PCB report originally contained an incorrect %Moisture value. The effect of the change in %Moisture is a slightly lower reporting limit for PCBs.

Thank you for the opportunity to be of service. If you have questions about the data or require additional information please call me at 924-6521.

Weyerhad			L LABORAT				Request Number: 15832	
Title:	EVERET	T SOIL DI	SPOSAL #1	20-297567	0			
Kumber (	of Samples	: 3		Project Numb	er: 046-5632	Groups:	1,3	
Oate Re	ceived:	09/01/94		Date Desired	: 09/14/94	Sample	Disposition:	
Submitte	ed 8y: T	RIOLO, ST	UART		Location: EVERETT 34		Ph: 8-339-2871	
Reviewe	d 8y: L	ANZA Mary	Beth		Location: WTC 2F25	Ph: 924-6013/6188		
Project	Title: W	PC-EVERET	T PULP		Project Leader: MIHOK			
Сору То	:			<b>_</b>				
Sample	Descriptio	n and History	:					
бгогр	Series	Test Descri	ption					
	I		Report Range	Report Bas	is Lower Limit of Sensit	ivity.		
		•		<u></u>		.14159		
1	C	BNA-8270	) * for PAH	* DUE 09	9/14/94 *			
-1	С	PCB's on soil or solid * DUE 09/14/94 *						

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TCLP Metals (100% solids) * DUE 09/09/94 * RUSHTotal RCRA Metals - As, Ag, Ba, Cd, Cr, Pb, Se, Hg * DUE 09/09/94 В

	Sample Number	Series to Be Evaluated	Submitters Designation	Date Recd
]	34157 34158 34159	A A BC	SDS-11 08/30/94 SDS-1411-2 08/31/94 SDS-RL-1 08/31/94	09/01/94 09/01/94 09/01/94
		:	Post-lit" brand fax transmittal memo 7671 #ot pages > "f" Totrat Driolo From Bathlanga Co. Wieger Ca Wiceyer Dept. Erriett Phone 224-6013 Fax# 8-339-2786 Fax# 924654	•
	Reference:		Record Bo	ck:
1 1 1	Results Approved	Atter Lama	Date: Signature Applies Page Number $OG - OG - Q \neq I$ To Attached Pages:	ers: To:
	Printed or: 09,	/08/94 at 15:28:04		Page: 1

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Δ	ANA	LYTICAL	じ LABORAT elopment – Ana	U U	Request Number: 15832					
Weyerhaeu			• •	20-297567						
	itle: CVCKLIT SOIL Die officient					)46-5632	Groups:	1,3		
Date Rece		9/01/94		Date Desired	s: 09	9/14/94	Sample	Disposition:		
		IOLO, STU	JART		Locat	ion: EVERETT 34		Ph: 8-339-2871		
Submitte		NZA Mary			Locat	ion: WTC 2F25		Ph: 924-6013/6188		
Reviewed		PC-EVERET			Project Leader: MIHOK					
Copy To:										
Sample [		n and History						• •		
Group	Series	Test Descri	······			Lower Limit of Sensitiv				
ļ			Report Range	Report Ba	\$15	Lower Lante of Sensitien				
1	С		) * for PA					_		
1	С	PCB's on soil or solid * DUE 09/14/94 * TCLP Metals (100% solids) * DUE 09/09/94 * RUSH								
3	А	TCLP Me	tals (100%	sorias)	" U		о Ца *			
3	В	Total RCRA Metals - As, Ag, Ba, Cd, Cr, Pb, Se, Hg * DUE 09/09/94 * U								

	. le Ne-hon	Series to Be Evaluated		Submitters Designat	:ion		Date Recd
Si	ample Number 34157	A	SDS-11	08/30/94			09/01/94 09/01/94
	34158 34159	A BC	SDS-1411-2 SDS-RL-1	08/31/94 08/31/94	÷	-	09/01/94

			Record Book:
Reference: Results Approved:	Date:	Signature Applies To Attached Pages:	Page Numbers: To:
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Weyerhae	user Res	earch and De	velopment - A	TORY SERVI nalysis and Testing	)			Request Number: ]	5832
litle:	EVERET	T SOIL DI	SPOSAL #	120-2975670	,				
Number (	of Samples	: 3		Project Number:	046-5632		Groups:	3	
Date Rec	ce ived:	09/01/94		Date Desired:	09/09/94		Sample D	isposition:	<b>.</b>
Submitte	ed By: T	RIOLO, ST	UART	Loca	ation: SORT	34		Ph: EVERETT 34	
Reviewe	d By: L	ANZA Mary	Beth	Loca	ation: WTC 2	F25		Ph: 924-6013/61	188
Project	Title: W	PC-EVERET	T PULP	Pro	ject Leader: M	ІІНОК			
Сору То	:								
Samp le	Descriptio	on and History	:						
Group	Series	Test Descri	ption						
	L		Report Range	Report Basis	Lower Limit o	of Sensitivity			
34	e Number 157	Series to Be		SDS-11	08/30/94	itters Designa	£100		09/01
34		AA		SDS-11 SDS-1411-2	08/30/94 08/31/94				09/01, 09/01, 09/01,
34	159	В		SDS-RL-1	08/31/94				09/01,
	•								
Refere	nce:		. <u></u>	,				Record I	look:
·····	nce: s Approvec			Da	te:	Signature Ap To Attacl	oplies hed Pages:	Page Nu	

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				SR# 15832	
	Submitted By:	Stuart Triolo	Everett	-	
	Service Request Title:	Everett Soil Disposal			
		Total RCRA Metals			
EPA #	Constituent Metals	34159 SDS-RL-1	Quantitation Limit	Calculated TCLP Maximum in the Solid	SW846 Method Number
		(mg/kg, As-Received Basis)	)		
	· ·			:	
D004	Arsenic	10	10	100	1311/3010/6010
D005	Barium	90	10	2000	1311/3010/6010
D006	Cadmium	ND	1	20	1311/3010/6010
D007	Chromium (total)	31	1	100	1311/3010/6010
D008	Lead	22	5	100	1311/3010/6010
D009	Mercury	ND	0.1	4	1311/7471M
D010	Selenium	ND	0.3	20	1311/3020/200.9
D011	Silver	ND	1	100	1311/3010/6010

ND= Not Detected above the Quantitation Limit Listed

Notes: (1) Spike recoveries for all elements were 75-125% except Se was 64%, Ba was 215%, and Pb was 164%.

Approved Man Beth Lama

Report Date 9/9/94

#### Flag Qualifiers For Organic Analysis Reports

- U Indicates that the compound was analyzed for but not detected. The sample quantitation limit corrected for dilution and percent moisture is reported.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds or when the data indicates the presence of a compound but the result is less than the sample quantitation limit but greater than zero.
- N Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.
- P This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for the detected concentrations between the two GC columns. The lower of the two results is reported.
- C This flag is used for pesticide results that have been confirmed by GC/MS
- B This flag is used when the analyte is detected in the associated blank as well as the sample.
- E This flag is used for compounds whose concentrations exceed the calibration range of the instrument.
- D This flag identifies all compounds identified in an analysis at a secondary dilution. This flag alerts the data user that any discrepancies between the concentrations reported in the two runs may be due to dilution errors.
- A This flag is used for tentatively identified compounds that suspected to be aldol-condensation products.
- X This flag is assigned by the computer when the program has been manually adjusted by the operator. It has no significance to the number itself.

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# ATTACHMENT C

# TRESTLE ALIGNMENT PRELOAD AREA SUMMARY REPORT

October 20, 1992 Project 0141-037.25

Mr. Harold Ruppert Weyerhaeuser Paper Company 101 East Marine View Drive Everett, Washington 98201

Re: Trestle Alignment Pre-Load Area, Test Pit and Soil Sampling

Dear Mr. Ruppert:

EMCON is pleased to present this letter summarizing field activities and laboratory data associated with soil sampling activities at the proposed trestle alignment area at the Weyerhaeuser Everett East Site.

Between August 11 and August 13, 1992, EMCON personnel directed excavation of 18 exploratory test pits in the proposed trestle alignment area. Excavation was performed by A.L. Sleister and Sons Construction, Inc. of Mukilteo, Washington.

EMCON personnel collected soil samples from each test pit and submitted them to Weyerhaeuser's Federal Way, Washington laboratory for quantitative chemical analysis.

Test pits TP-1 through TP-10 were advanced adjacent to the former dry kilns in the proposed pre-load area. Test pits TP-91 through TP-99 were advanced adjacent to the former hog fuel vault and beneath the former machine shop. Soil samples collected from the test pits were submitted for analysis of semivolatile fuel hydrocarbons by Washington State Department of Ecology (Ecology) Method WTPH-D, pentachlorophenol by USEPA Method 8270, and PCBs by USEPA Method 8080.

Laboratory results for soil samples collected from these test pits are summarized in Table 1. Test pit locations are shown on Figure 1. Copies of exploratory test pit logs are also attached.

In summary, all reported concentrations of PCBs and pentachlorophenol did not exceed 1 part per million (ppm) for any of the analyzed samples. Based on these results, no further action appears warranted. Petroleum hydrocarbon concentrations, reported as Heavy Oil when present at detectable levels, did not exceed Ecology Model Toxics Control Act (MTCA) Method A Cleanup Levels for soil in the proposed pre-load area. However, Mr. Harold Ruppert October 20, 1992 Page 2

the proposed pre-load area, did exceed Ecology MTCA Method A Industrial Cleanup Levels for soil.

If you have any questions regarding the data presented in this letter please contact me.

Sincerely,

EMCON

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John North Project Manager

Attachments: Table 1 Figure 1 Test Pit Logs

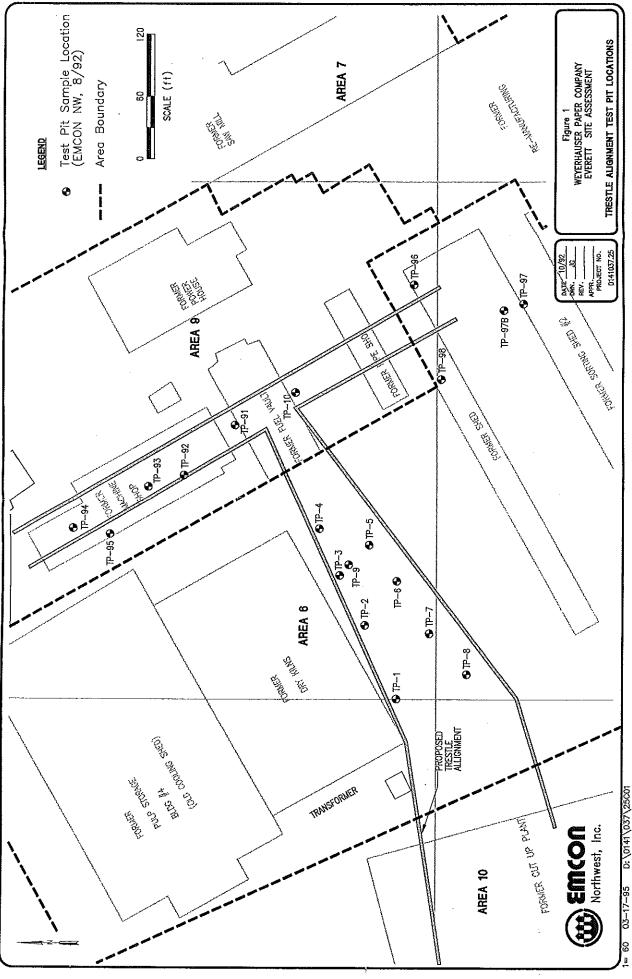
cc: Larry Fulcher, Weyerhaeuser Linda Dawson, EMCON John Guenther, EMCON

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# Summary of Soil Sample Laboratory Data Trestle Alignment Area Weyerhaeuser Everett East Site

Sample Name	Collection Date	WTP (mg		PCBs (µg/kg)	Pentachlorophenol (µg/kg)			
TP-1, S-1	08/11/92	24	0	6	21.0			
TP-2, S-1	08/11/92	140	0	ND	28.3			
TP-3, S-01	08/11/92	3	0	ND	ND			
TP-4, S-1	08/11/92	ND		ND	2.6			
TP-5, S-1	08/11/92	<3	0	ND	ND			
TP-6, S-1	08/11/92	<3	0	ND	ND			
TP-7, S-1	. 08/11/92	110	0	ND	206			
TP-8, S-1	08/11/92	52	0	ND	1.1			
TP-9, S-1	08/11/92	3	0	ND	4.3			
TP-10, S-1	08/11/92	4	0	26	22.9			
TP-91, S-1	08/12/92	ND		ND	ND			
TP-91, S-2*	08/12/92	53	0	NA	NA			
TP-91,. S-3*	08/12/92	6	0	NA	NA			
TP-92, S-1	08/12/92	320	0	9	ND			
TP-93, S-1	08/12/92	5,400	0	203	10.6			
TP-93, S-2*	08/12/92	38	0	ND	NA			
TP-94, S-1	08/12/92	89	0	ND	ND			
TP-95, S-1	08/12/92	ND		ND	ND			
TP-96, S-1	08/12/92	120	0	6	0.8			
TP-96, S-2*	08/12/92	78	0	NA	NA			
TP-97, S-1	08/14/92	140	0	570	3.1			
TP-97B, S-1	08/17/92	230	0	380	ND			
TP-97B, S-2*	08/17/92	9	0	NA	NA			
TP-98, S-1	08/17/92	48	0	ND	ND			
TP-98, S-2*	08/17/92	94	0	NA	NA			
TP-99, S-1	08/18/92	110	0	37	ND			
TP-99, S-2*	08/18/92	47	0	ND	NA			
IP-99, S-2       06/10/92       47       0       RD       RA         NOTE:       0       =       Indicates analyte reported as heavy oil by Weyerhaeuser Lab.       *       =       Indicates extraction procedure performed on this sample for PCB and pentachlorophenol analyses but extract not analyzed pending receipt of analytical data for sample S-1 from same test pit.         NA       =       Not analyzed.       ND       =       Not detected above method reporting limit.          =       Less than method reporting limit shown.       =       Less than method reporting limit shown.								

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LOC DUC MET	JECT NA ATION BY THOD GED BY	Ti Sl Bi	'eyerhae restle Al eister ackhoe rian S. (	ignmer	hase II nt	TEST PIT NO.TP- 1PAGE1 OF 1REFERENCE ELEV.TOTAL DEPTHTOTAL DEPTH5.00'DATE COMPLETED08/11/92
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND WATER LEVELS	BEFTH.	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
S-1						<ul> <li>0 to 4-inches: SAND AND GRAVEL (GP), dark brown organic-rich. (FILL)</li> <li>4-inches to 19-inches: SILTY SAND WITH GRAVEL (SP), some root fragments.</li> </ul>
S-2				-  -		<ul> <li>19-inches to 5.0 feet: SAND (SM), fine to medium, moist. (DREDGE SAND)</li> <li>@ 4.0 feet: concrete slab.</li> </ul>
			- ¥			@ 5.0 feet: sand wet. Bottom of pit at 5.0 feet.
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EMCON	) Northwest,	REMARKS	8			0141-037.25.14111.L44/cr:2.10/15

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SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND MATER LEVELS	BFFTH.	2	LITHO- LOGIC COLUMN	LITHOLOGIC Description
S-1							<ul> <li>0 to 1-inch: SAND (SM), brown fine sand with abundant root fragments. (FILL)</li> <li>1-inch to 20-inches: SAND WITH GRAVEL (SP), fine to medium, small lenses of fine gray sand.</li> <li>20-inches to 5.5 feet: SAND (SM), brown, medium, moist; contains wood debris, bricks, broken pipes.</li> </ul>
S-2			- - ⊻ -	5 -			<ul> <li>@ 4.0 feet: sand, dark gray to black.</li> <li>@ 4.5 feet: sand, wet.</li> <li>@ 5.5 feet: SILT (ML), black with fine sand.</li> <li>Bottom of pit at 5.5 feet.</li> </ul>
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LOC DUC MET	JECT NA ATION BY HOD GED BY	Tı Sl Ba	'eyerhae restle Al eister ackhoe rian S. (	ignm	Phase II ent	TEST PIT NO. PAGE REFERENCE ELEV. TOTAL DEPTH DATE COMPLETED	TP- 3 1 OF 1 4.50' 08/11/92
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND MATER LEVELS	ERFER.	SAMPLES roling cornw	LITHOLOGIC Description	
S-1				5		<ul> <li>0 to 6-inches: WOOD CHIPS (WOOD).</li> <li>6-inches to 12-inches: SAND WITH GRAVEL (SP), medium, brown. (FILL)</li> <li>12-inches to 4.5 feet: SAND (SM), light brown, medium. (DREDGE SAND)</li> <li>@ 3.5 feet: color changes to light gray, brick debris. Hydrocarbon-like odor.</li> <li>@ 4.0 feet: sand, wet.</li> <li>Bottom of pit at 4.5 feet.</li> </ul>	
		REMARKS	}	- 10 -		· · · · · · · · · · · · · · · · · · ·	
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LOC DUC MET	JECT NA ATION BY THOD GED BY	T) SI B:	Veyerhae restle Al eister ackhoe rian S. (	euser lignm	Pha		<b>FORY TEST PIT LOG</b> TEST PIT NO. PAGE REFERENCE ELEV. TOTAL DEPTH DATE COMPLETED	TP- 4 1 OF 1 4.00' 08/11/92
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND MATER LEVELS	REP.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION	1
	•		<b> </b>			XXX	0 to 3-inches: WOOD CHIPS (WOOD).	
			-				3-inches to 18-inches: SAND WITH GRAVEL (SP), brown, root fragments. (FILL)	
S-1			-	_			18-inches to 4.0 feet: SAND (SM), medium to fine, well graded. (DREDGE SAND)	
S-2			-				@ 3.0 feet: sand, dark gray.	
			-, ¥ -				@ 3.5 feet: sand, wet.	
			-				Bottom of pit at 4.0 feet.	
				5 -				
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SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND MATER LEVELS	BFFTH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
·····	1					त्रहरू	0 to 1-inch: WOOD CHIPS (WOOD).
			-			· · · · · · · · · · · · · · · · · · ·	1-inch to 12-inches: SAND WITH GRAVEL AND COBBLES (SP), brown. (GRADE FILL)
S-1			-				12-inches to 2.5 feet: SAND WITH TRACE GRAVEL (SP), fine medium. (FILL)
S-2				· -			2.5 to 4.5 feet: SAND (SM), medium to coarse, gray. (DREDGE SAND)
3~2			- 포			· · · · ·	@ 4.0 feet: slight sheen on water in pit.
				5 -			4.5 to 5.0 feet: SANDY SILT (ML), brown to black with abundant wood debris.
							Bottom of pit at 5.0 feet.
	-		-	-			
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SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND MATER LEVELS	EFFT.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC Description	
S-1			-				<ul> <li>0 to 6-inches: WOOD CHIPS (WOOD).</li> <li>6-inches to 12-inches: SAND (SM), fine, brown with abundant organic material and root fragments. (SOIL)</li> <li>12-inches to 4.5 feet: SAND (SM), medium to fine, gray. (DREDGE SAND)</li> </ul>	
S-2			- ⊻ -				<ul> <li>@ 3.0 feet: sand, dark gray to black.</li> <li>@ 3.5 feet: sand, wet.</li> <li>@ 4.0 feet: 6-inch diameter pipe encountered.</li> <li>Bottom of pit at 4.5 feet.</li> </ul>	
			-	5 -				
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SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND WATER LEVELS	DEPTH. SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION	
	1	· · · · · · · · · · · · · · · · · · ·	<b>I</b>		5555	0 to 2-inches: WOOD CHIPS (WOOD).	
S-1			-			2-inches to 18-inches: SAND WITH GRAVEL (SP), brown sand with gravel, moist. (GRADE FILL)	
				· _		18-inches to 4.5 feet: SAND (SM), fine to medium, gray to black. (DREDGE SAND)	
S-2			- ¥			<ul> <li>@ 4.0 feet: wet sand.</li> <li>4.5 to 4.8 feet: SILTY SAND WITH GRAVEL (SP), gray to black, moist, very poorly sorted.</li> </ul>	
		-		5		Bottom of pit at 4.8 feet.	
		REMARKS					
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	PID n ppm)	BLOWS PER 6-INCHES	GROUND MATER LEVELS	LRFTH.		LITHOLOGIC DESCRIPTION
S-1				- - - - - - - - - - - - - - -		<ul> <li>0 to 1-inch: WOOD CHIPS (WOOD).</li> <li>@ 16-inches to 2.0 feet: color change to light brown sand with gravel. (FILL)</li> <li>1-inch to 2.0 feet: SAND WITH GRAVEL (SP), gray, moist. (FILL)</li> <li>2.0 to 2.5 feet: SAND (SM), gray, medium to fine, moist. (DREDGE SAND)</li> <li>2.5 to 5.5 feet: SAND WITH GRAVEL (SP), dense, fine, dark gray, similar to hardpan. (COMPACTED FILL?)</li> </ul>
S-2				5		@ 5.0 feet: sand, wet, slight sheen on water surface. Bottom of pit at 5.5 feet.
	)	REMARKS				0141-037.25.14111.L44/cr:2.10/15
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SAMPLINC METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND WATER LEVELS	LREPTH.		ai c	LITHOLOGIC DESCRIPTION
					叕	双	0 to 4-inches: WOOD CHIPS (WOOD).
			1				<ul> <li>4-inches to 10-inches: SAND WITH GRAVEL (SP), gray. (FILL)</li> <li>10-inches to 20-inches: SAND WITH GRAVEL (SP), brown.</li> </ul>
S-1			-			•••	20-inches to 4.5 feet: SAND (SM), medium to fine, light gray. (DREDGE SAND)
S-1			- - -				<ul><li>@ 3.0 feet: color changes to dark gray to black.</li><li>@ 4.2 feet: sand, wet.</li></ul>
				5			Bottom of pit at 4.5 feet.
			-				
		<b>-</b>					•
		EMARKS					

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LO DU ME	DJECT NA CATION G BY THOD GGED BY	Ti Sl Ba	eyerhae restle Al eister ackhoe rian S. (	lignm	Phas ient	se II	TEST PIT NO.TP-10PAGE1 OF 1REFERENCE ELEV.TOTAL DEPTHTOTAL DEPTH6.00'DATE COMPLETED08/11/92
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6- INCHES	GROUND WATER LEVELS	-RFPH	2	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
S-1		EMARKS					<ul> <li>0 to 4.5 feet: SAND WITH GRAVEL (SP), concrete debris, brick chips. (DEMOLITION DEBRIS AND FILL)</li> <li>@ 1.5 feet: gray to black color.</li> <li>@ 2.0 feet: light gray with streaks of red, brown. @ 2.0 to 6.0 feet: concrete footing on south side of test pit.</li> <li>@ 3.5 to 4.0 feet: 6-inch water line on north side of pit.</li> <li>4.5 to 6.0 feet: SANDY SILT (ML), dark gray to black, fine, moist.</li> <li>Bottom of pit at 6.0 feet.</li> <li>Due to confined space, backhoe could not dig deeper.</li> </ul>

LOC DUC MET	JECT NA ATION BY HOD GED BY	T: SI B:	/eyerhae restle A leister ackhoe rian S. (	euser lignm	Pha	se II	TORY TEST PIT LOG       TEST PIT NO.       TP-9         PAGE       1 OF         REFERENCE ELEV.       TOTAL DEPTH       6.00'         DATE COMPLETED       08/12	'1
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND MATER LEVELS	AFPH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION	
S-1			-				0 to 2-inches: ASPHALT. 2-inches to 18-inches: SAND WITH GRAVEL (SP), medium, tan, loose with some root fragments. (FILL)	
S-2			-	-			18-inches to 4.0 feet: SAND WITH GRAVEL (SP), dark brown, moist. (FILL?)	
S-3				5 -			4.0 to 6.0 feet: SILT (ML), dark gray, plastic. @ 4.5 feet: silt, wet.	
.,			-				Bottom of pit at 6.0 feet.	
			-	_				
		-	-					
	R	EMARKS		- 10				
EMCON No	) rthwest,	Inc.					0141-037.25.14111.L44/cr:	2.10/

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LOC DUG MET	JECT NA ATION BY HOD GED BY	Ti Sl Bi	/eyerhae restle Al leister ackhoe rian S. (	lignm	Phase I ent	I	TEST PIT NO. PAGE REFERENCE ELEV. TOTAL DEPTH DATE COMPLETED	TP-92 1 OF 1 3.50' 08/12/92
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND WATER LEVELS	RFFH.		HO- GIC UMN	LITHOLOGIC Description	
S-1				5			0 to 3.5 feet: SAND (SM), medium, gray, well sorted. (DREDGE SAND) @ 2.5 feet: sand, wet. Bottom of pit at 3.5 feet.	
				10 —				
EMCON No	(1	oticeably lowe	outh end v er than pre	within f vious t	former for est pit (#9	undat 91) to	ion. (2) 12-inch pipe on north side of test pit. (3) Elevation o the South. 0141-037.25.14111.1	.44/cr:2.10/15

f.				EXI	PL	ORA	FORY TEST PIT LOG
LOCA DUG MET		Tı Sl Ba	/eyerhae restle A eister ackhoe rian S. (	lignm	Phas ent	se II	TEST PIT NO.TP-93PAGE1 OF 1REFERENCE ELEV.TOTAL DEPTHTOTAL DEPTH2.00'DATE COMPLETED08/12/92
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-INCHES	GROUND MATER LEVELS	-RFFTH.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
S-1 S-2				5			<ul> <li>O to 8-inches: SILT (ML), brown/mottled black, abundant wood debris, pieces of scrap metal, mudcracks on surface, moist.</li> <li>8-inches to 2.0 feet: SAND (SM), light brown, medium.</li> <li>@ 16-inches: sand, gray, wet.</li> <li>Bottom of boring at 2.0 feet.</li> </ul>
				10 —			
		EMARKS					
EMCON Nor	thwest, I	nc.					0141-037.25.14111.L44/cr:2.10/15

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LOC DUG MET	JECT NA ATION BY 'HOD GED BY	Ti Sl Ba	Veyerhae restle Al eister ackhoe rian S. (	lignm	Phase II ent	TEST PIT NO.TP-94PAGE1 OF 1REFERENCE ELEV.107AL DEPTHTOTAL DEPTH3.00'DATE COMPLETED08/12/92
SAMPLING METHOD AND NUMBER	PID (in ppm)	BLOWS PER 6-1NCHES	GROUND MATER LEVELS	INFERH.	COLUM COLUM	DESCRIPTION
S-1	R	EMARKS		5		<ul> <li>0 to 1-inch: SILTY ORGANIC DEBRIS (ML), mud cracks.</li> <li>1-inch to 2.5 feet: SAND (SM), medium, brown, moist. (DREDGE SAND)</li> <li>@ 8-inches to 2.5 feet: sand, gray.</li> <li>@ 12-inches: sand, wet.</li> <li>@ 1.5 feet: several large blocks of wood.</li> <li>@ 2.0 feet: organic debris.</li> <li>2.5 to 3.0 feet: SILT (ML), abundant wood debris.</li> <li>Bottom of pit at 3.0 feet.</li> </ul>
EMCON NO	) rthwest,	Inc.				0141-037.25.14111.L44/cr:2.10/15
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	EXPL	ORA	TORY TEST PIT LOG	
LOCATION T DUG BY S METHOD B	Veyerhaeuser Phas Frestle Alignment leister ackhoe Frian S. Carl	se II	TEST PIT NO. PAGE REFERENCE ELEV. TOTAL DEPTH DATE COMPLETED	TP-95 1 OF 1 2.50' 08/12/92
SAMPLING PID BLOWS METHOD (in ppm) PER AND 6-INCHES NUMBER		LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION	
S-1			<ul> <li>0 to 1-inch: SILT AND SAND (ML), dry, mixed with organic debris, grass, mudcracks on surface.</li> <li>(a) 1.0 feet: sand, gray.</li> <li>(a) 1.2 feet: sand, wet.</li> <li>1-inch to 1.8 feet: SAND (SM), brown, medium. (DREDGE SAND)</li> <li>1.8 to 2.5 feet: SILT (ML), gray with wood debris, plastic debris.</li> <li>Bottom of pit at 2.5 feet.</li> </ul>	
EMCON Northwest, Inc.			0141-037.25.14111.L4	4/cr:2.10/15/9

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PROJECT NAME LOCATION DUG BY       Weyerhaeuser Phase II Trestle Alignment Sleister       TEST PIT NO. PAGE REFERENCE ELEV. TOTAL DEPTH DATE COMPLETED         SAMPLING HETHOO NUMBER       PID (in ppn)       BLOWS PER 6-INCHES       Data Data Data Data Data Course       LITHO- DESCRIPTION       LITHO- DATE COMPLETED         SAMPLING HETHOO NUMBER       PID (in ppn)       BLOWS PER 6-INCHES       Data Data Data Data Data Course       0 to 6-inches: NEW CHIPS (WOOD)         S-1       Ot to 6-inches: NEW CHIPS (WOOD)       0 to 6-inches: NEW CHIPS (WOOD), blackened, wood debris, "burnet" smell, ash mixe with sand. (BURNED DEBRIS)         S-1       Ot to 6-inches: NEW CHIPS (WOOD), blackened, wood debris, "burnet" smell, ash mixe with sand. (BURNED DEBRIS)         S-1       Ot to 6-inches: NEW CHIPS (WOOD), blackened, wood debris, "burnet" smell, ash mixe with sand. (BURNED DEBRIS)         S-1       Ot to 6-inches: NEW CHIPS (WOOD), blackened, wood debris, sand moist. (DREDGE SAND)         S-2       Ot to 6-inches: and wet.	TP-96 1 OF 1 7.50' 08/12/92
S-1       0 to 6-inches: NEW CHIPS (WOOD)         6-inches to 18-inches: WOOD CHIPS (WOOD), blackened, wood debris, "burned" smell, ash mixed with sand. (BURNED DEBRIS)         18-inches to 7.5 feet: SAND (SM), gray with black streaks near top, some wood debris, sand moist. (DREDGE SAND)         8-2         5-2	
S-1       6-inches to 18-inches: WOOD CHIPS (WOOD), blackened, wood debris, "burned" smell, ash mixe with sand. (BURNED DEBRIS)         S-1       18-inches to 7.5 feet: SAND (SM), gray with black streaks near top, some wood debris, sand moist. (DREDGE SAND)         S-2       6-inches to 18-inches: WOOD CHIPS (WOOD), blackened, wood debris, "burned" smell, ash mixe with sand. (BURNED DEBRIS)         S-1       9         S-2       9         S-2       9         S-2       9	10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
□       □       □       □       ∅ 6.0 feet: water in open test pit.         □       □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □       □       □         □       □ <t< td=""><td>d</td></t<>	d

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