Weyerhaeuser

101 East Marine View Drive
Everett, Washington 98201
Tel (206) 339 2800
Fax (206) 339 2786

April 23, 1997

Paul Skyllingstad
Industrial Section
Department of Ecology
PO Box 47706
Olympia, WA 98504-7706

Re: Weyerhaeuser Everett West Site -- 1997; Ninth Round Compliance Ground Water Monitoring Data

Dear Mr. Skyllingstad:

Enclosed are two copies of the report titled "Ninth Round Compliance Monitoring Ground Water Sampling Results - Weyerhaeuser Everett West Site," and a computer floppy disk containing sample results.

This data is being submitted according to the terms and schedule outlined in the Consent Decree between Ecology and Weyerhaeuser. Compliance ground water monitoring at the Everett West Site began in January 1995. The sampling and analytical methods, data evaluation, and report format were performed according to methods specified in the Ecology-approved Ground Water Compliance Monitoring Plan for Weyerhaeuser Everett West Site (March 2, 1995).

Should you require further information, please contact me at (206) 339-2871.

Sincerely,

Stuart Triolo

Stuart Triolo

Environmental Engineer

ECO9THGW.DOC

Enclosure: Ninth Round Compliance Monitoring Ground Water Sampling Results Weyerhaeuser Everett West Site (2 copies); and Computer Floppy Disk with laboratory data.

pc: John Gross CH 1K29 - data w/out floppy disk

Glen Wyatt WTC2G2 - floppy disk w/out hard copy data

Mike Elmer - NWPE - data w/out floppy disk

file: CLEANW01

EMCON
18912 North Creek Parkway • Suite 100 • Bothell, Washington 98011-8016 • (206) 485-5000 • Fax (206) 486-9766

NINTH ROUND COMPLIANCE MONITORING GROUNDWATER SAMPLING RESULTS - WEYERHAEUSER EVERETT WEST SITE

This report summarizes the results of the ninth round sampling event for compliance monitoring groundwater sampling activities performed at the Weyerhaeuser Everett West Site (West Site) during February 1997. The West Site is located at 101 East Marine View Drive in Everett, Washington.

SAMPLING ACTIVITIES

EMCON collected groundwater samples from seven West Site monitoring wells (MW-1201, MW-1202, MW-1203, MW-1301, MW-1302, MW-1501, and MW-1701) on February 21, 1997. One field duplicate sample was collected from monitoring well MW-1203 and designated 70221WSGMW-1800. One field blank was prepared and designated 70221WSGMW-1901. The samples were submitted to Weyerhaeuser Analytical Testing Services (WATS) for analyses. A site map including the seven groundwater monitoring well locations is shown in Figure 1.

LABORATORY ANALYSES

Seven groundwater samples, one field duplicate, and one field blank, were analyzed for total petroleum hydrocarbons as diesel and motor oil (TPH-D and TPH-O) by Washington State Department of Ecology Method WTPH-D extended, and for dissolved arsenic by U.S. Environmental Protection Agency Method 200.9. The groundwater samples that were analyzed for dissolved arsenic were filtered before laboratory submittal.

Weyerhaeuser field sampling data sheets were completed at the time of sampling. Copies of the field sampling data sheets, chain-of-custody and request for analyses forms, and laboratory reports are appended to the back of this report. Also included are two diskettes with data files for submittal to Ecology.

LABORATORY RESULTS

Table 1 shows the depth to water measurements taken from each well before sampling. Table 2 summarizes the groundwater quality field parameters obtained at the time of sampling. Table 3 summarizes the laboratory results in the GIS/Key™ format.

TPH-D was detected in two samples at 0.28 and to 0.31 milligrams per liter (mg/L). TPH-O was detected in two samples at 0.23 and 0.28 mg/L. Dissolved arsenic was detected in three samples. Concentrations ranged from 3 to 17 micrograms per liter (µg/L).

EMCON performed data validation on the WATS laboratory data. A copy of the data validation report is attached at the back of this report.

No unusual detections or trends were noted in the laboratory results for the ninth round of compliance groundwater monitoring. In general, the concentrations of compounds detected from the February 1997 sampling event were consistent with detections from previous rounds of sampling.

This report was prepared by EMCON. For additional information, contact EMCON at (206) 485-5000.

Steve Nelson, R.G.
Project Manager

Linda Dawson
Director of Environmental Services

Attachments: Limitations
Figure 1 - Site Map and Monitoring Well Locations
Table 1 - Depth to Groundwater Measurements
Table 2 - Summary of Groundwater Field Parameters
Table 3 - February 1997 Sample Results
Table 4 - February 1997 Duplicate Sample; Dissolved Arsenic Results
Table 4a - February 1997 Duplicate Sample; TPH Results
Table 5 - February 1997 Field Blank Sample; Dissolved Arsenic Results
Table 5a - February 1997 Field Blank Sample; TPH Results
Attachment A - Field Sampling Data Sheets, Chain-of-Custody and Request for Analyses Forms, Laboratory Reports, and Data Validation Report
Diskettes - Data Files for Submittal to Ecology

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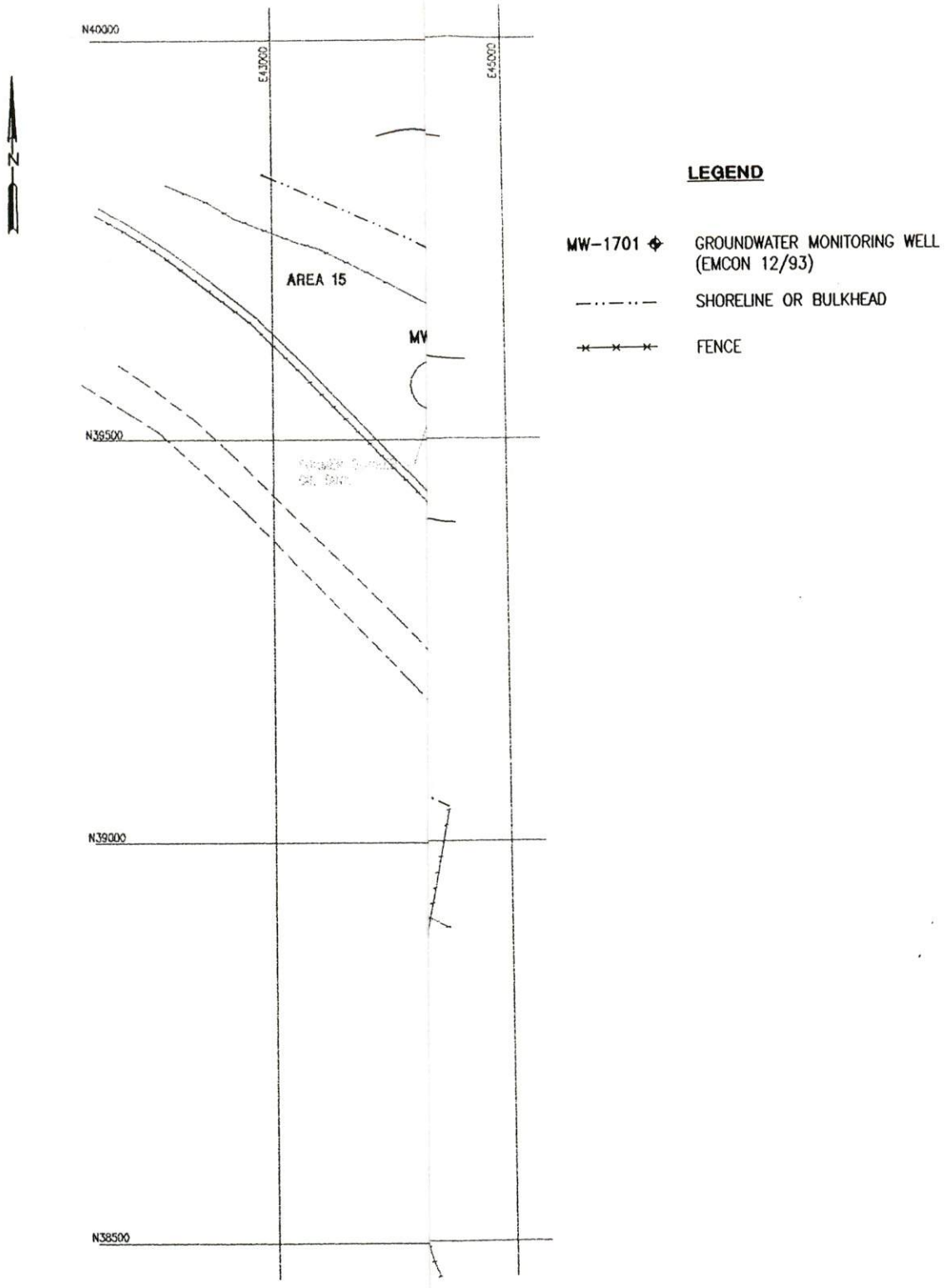

EMCON

Figure 1

WEYERHAEUSER EVERETT WEST SITE
EVERETT, WASHINGTON

SITE MAP AND MONITORING WELL LOCATIONS

1=200 8-02-96 G:\DWG\0141\037\085\B008

LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

Table 1
Depth to Groundwater Measurements
Weyerhaeuser Everett West Site
February 1997

Well Number	Date Collected	Time	Depth to Water (feet)
MW-1201	02/21/97	0940	12.30
MW-1202	02/21/97	1000	7.12
MW-1203	02/21/97	1035	4.14
MW-1301	02/21/97	1115	4.30
MW-1302	02/21/97	1145	4.84
MW-1501	02/21/97	1210	2.81
MW-1701	02/21/97	0908	2.94

Table 2

Summary of Groundwater Field Parameters
Weyerhaeuser Everett West Site
February 1997

Monitoring Well	Sample Designation	Date Collected	Time	pH	Conductivity (µmhos)	Temp (°C)
MW-1201	70221WSGMW-1201	02/21/97	1015	6.39	462	10.0
MW-1202	70221WSGMW-1202	02/21/97	1030	6.92	887	11.0
MW-1203	70221WSGMW-1203	02/21/97	1100	6.77	786	9.0
MW-1301	70221WSGMW-1301	02/21/97	1140	6.75	263	8.0
MW-1302	70221WSGMW-1302	02/21/97	1210	6.21	1,693	8.0
MW-1501	70221WSGMW-1501	02/21/97	1240	6.88	353	8.0
MW-1701	70221WSGMW-1701	02/21/97	0930	6.47	199	8.0
Field Dup.	70221WSGMW-1800	02/21/97	0900	6.77	786	9.0

Table 3

February 1997 Sample Results
Weyerhaeuser Everett West Site

SITE	DATE	TPH (as diesel) (mg/l)	TPH (as motor oil) (mg/l)	Dissolved Arsenic (mg/l)
MW-1201	02/21/97	<0.082	<0.20	<0.003
MW-1202	02/21/97	0.28	0.23	0.010
MW-1203	02/21/97	<0.082	<0.20	0.003
MW-1301	02/21/97	<0.082	<0.20	0.017
MW-1302	02/21/97	0.31	0.28	<0.003
MW-1501	02/21/97	<0.082	<0.20	<0.003
MW-1701	02/21/97	<0.082	<0.20	<0.003

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Table 4

February 1997 Duplicate Sample; Dissolved Arsenic
Weyerhaeuser Everett West Site

	SAMPLE INFORMATION	PRIMARY SAMPLE	FIRST DUPLICATE		PRECISION SUMMARY	
	SITE	MW-1203	MW-1203		RELATIVE PERCENT DIFFERENCE (RPD)	
	DATE	02/21/97	02/21/97			
	TIME	11:00	11:00			
	FIELD SAMPLE ID	70221WSGMW-1203	70221WSGMW-1800			
	LAB SAMPLE ID	78220	78225		RPD MEASURED	RPD GOAL
	BATCH NO					
COMPOUNDS		(mg/l)	(mg/l)		%	%
Arsenic		0.003	0.004		29	0

Table 4a

February 1997 Duplicate Sample; TPH Results

Weyerhaeuser Everett West Site

	SAMPLE INFORMATION	PRIMARY SAMPLE	FIRST DUPLICATE		PRECISION SUMMARY	
	SITE	MW-1203	MW-1203		RELATIVE PERCENT DIFFERENCE (RPD)	
	DATE	02/21/97	02/21/97			
	TIME	11:00	11:00			
	FIELD SAMPLE ID	70221WSGMW-1203	70221WSGMW-1800			
	LAB SAMPLE ID	78220	78225		RPD MEASURED	RPD GOAL
	BATCH NO					
COMPOUNDS		(mg/l)	(mg/l)		%	%
TPH (as diesel)		<0.082	<0.082		0	0
TPH (as motor oil)		<0.20	<0.20		0	0

< = Not detected at indicated reporting limit

Table 5

February 1997 Field Blank Sample; Dissolved Arsenic
Weyerhaeuser Everett West Site

	SAMPLE INFORMATION	FIELD BLANK 1			
	CASE ID	3248			
	BLANK ID	70221WSGMW-1900			
	FIELD SAMPLE ID	70221WSGMW-1900			
	LAB SAMPLE ID	78226			
COMPOUNDS		(mg/l)			
Arsenic		<0.003			

< = Not detected at indicated reporting limit

Table 5a

February 1997 Field Blank Sample; TPH Results
Weyerhaeuser Everett West Site

	SAMPLE INFORMATION	FIELD BLANK 1			
	CASE ID	3248			
	BLANK ID	70221WSGMW-1900			
	FIELD SAMPLE ID	70221WSGMW-1900			
	LAB SAMPLE ID	78226			
COMPOUNDS		(mg/l)			
TPH (as diesel)		<0.082			
TPH (as motor oil)		<0.20			

< = Not detected at indicated reporting limit

ATTACHMENT A

FIELD SAMPLING DATA SHEETS, CHAIN-OF-CUSTODY AND REQUEST FOR ANALYSES FORMS, LABORATORY REPORTS, AND DATA VALIDATION REPORT

WEYERHAEUSER GROUNDWATER SAMPLING RECORD

Company ☐ ES&T/WTC ☐ ES&T/NB	Project No. 4041-037.085	Site ID MW-1201
EMCON	Facility Everett-West	Date (m/d/y) 2/21/97

Site Description ☒ Monitoring Well ☐ Extraction Well ☐ Irrigation Well ☐ Spring ☐ Borehole ☐ Probe Other:

Air Temp: 40 ☐ °C ☒ °F	Weather: Part sun
Well Locked? ☒ yes ☐ no	Damaged/Repairs Needed:
☒ TOC ☐ MP Description:	Stickup
TOC/MP Stickup: ☒ ft ☐ m above/below ground	Well Inside Diameter (ID): ☒ 2-inch ☐ 4-inch Other:
Site Remarks (neaby wells pumping, tide, stream stage, etc.)	

Water Level Data Measurement Units: ☒ ft ☐ m Well or Borehole Total Depth (TD) from MP or TOC: 19.8

☐ E-Tape, #_____ ☐ Steel Tape ☐ Other	Initial	Confirmation	At Start of Purging	At End of Purging			Remarks
Time (hh:mm)	0940						
Depth to Water	12.30						
Tape Correction							
Water Level (WL)							
Product Thickness							
Product Recovery ☐ gallons ☐ liters							

Measure water level from fixed measuring point (MP) or top of well casing (TOC). Record water depth to nearest 0.01 ft or 0.002 m, with minus (-) sign if level is above MP or TOC. If no mark on MP or TOC, measure water level from north side of casing. Measure static or pre-purging water level twice; record initial and confirmation measurements and measurement times (in 24-hour clock format). MP/TOC Stickup measurement is from ground surface to nearest 0.1 ft or 0.01 m. Depth to Water codes: N - not measured; D - dry; O - obstructed; P - pumping; F - flowing (artesian well); R - recently pumped; C - cascading. Water Level (WL) = Depth to Water - Tape Correction factor. Record free product presence at time of water level measurement; use "S" for free product thickness if sheen observed. If free product removed from well, record volume removed in gallons or liters, list product type in "Remarks" column.

Field WQ Data Purge Depth: ☐ Grab ☐ Bailer ☒ Pump Description: Peristaltic

Casing Volume: [19.8 (TD) - 12.3 (WL)] • [2 (Well ID)]² • [.0408 (Conversion Factor)] = 1.22 ☒ gal ☐ liters

Conversion Factor = 0.0408 for feet and gallons; 0.1544 for feet and liters; 0.5066 for meters and liters; Well ID in inches

Well Goes Dry While Purging ☐

☒ Cum. Vol. Purged ☐ Pumping Rate						(Final)	Meter Type	Remarks
Time Measured (hh:mm)	0950	1000	1010					
pH ☐ Temp. Compensated	6.55	6.38	6.39				DSPH	
Temperature ☒ °C ☐ °F	10	10	10					
Dissolved Oxygen mg/l	—	—	—					
☒ SC or ☐ EC µS/cm	439	457	462				DSPH	
Turbidity ☐ NTU	—	—	clear					
Color/Tint	—	—	yellow tint					
Odor	—	—	no noticable					

Record time purging starts and ends in Water Level Data section. Cum. Vol Purged: cumulative volumed removed before sampling, in gallons or liters. Pumping Rate is gpm or Lpm, depending on box checked in casing volume calculation. Use "Final" column above for recording sample field measurements, total volume purged befored sampling or avearage pumping rate during purging. Record equipment calibration methods, decontamination procedures, equipment failures, purge water disposal method, etc. in daily field notes. SC: Specific Conductance corrected for temperature (µS/cm at 25°C); EC: Electrical Conductivity not corrected for temperature (µS/cm). µS/cm = µmho/cm. 1 gallon (US) = 3.785 L = 0.833 Imperial gallon

Sample Data Sample Depth: ☐ Grab ☒ Bailer ☒ Pump Description: field filtered w/ pump

Field Sample ID (unique ID on bottles)	Result Code	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Lab ID	Case ID	SDG ID	Remarks
7022WSGMW-1201	P0	2/21/97	1015	2	FS				

Sample ID may be up to 15 characters. **Sample Result Code, Date, and Time must be entered.** Result Codes: P0, Primary Sample; D#, Duplicate Sample; S#, Split Sample (sent to second lab); BF#, Field Blank; BR#, Equipment Rinsate; BT#, Trip Blank; SF#, Field Spike (# = 1 to 9). Lab ID (up to 5 characters) is name of laboratory that will analyze the sample. Case ID (up to 5 characters) and SDG ID (sample delivery group, up to 15 characters) are required for blanks. Case ID may be the lab service request number or yy-mm. SDG may be lab's SDG, a cooler ID number, or mmddyy. Enter sample preservation and handling data on chain-of-custody form. Also record detailed information about duplicate, split, rinsate, spike, and/or blank sample collection/handling in daily field notes.

Sampled By (print) Michelle Lange	Signature Michelle Lange

Date Entered into Database By Page of

WEYERHAEUSER GROUNDWATER SAMPLING RECORD

Company ☐ ES&T/WTC ☐ ES&T/NB EMCON	Project No. 4041-037.085	Site ID MW-1207
	Facility Everett-West	Date (m/d/y) 2/21/97

Site Description ☒ Monitoring Well ☐ Extraction Well ☐ Irrigation Well ☐ Spring ☐ Borehole ☐ Probe Other:

Air Temp: 45 ☐ °C ☒ °F Weather: Part sun

Well Locked? ☒ yes ☐ no Damaged/Repairs Needed:

☒ TOC ☐ MP Description: Stickup

TOC/MP Stickup: ☒ ft ☐ m above/below ground Well Inside Diameter (ID): ☒ 2-inch ☐ 4-inch Other:

Site Remarks (neaby wells pumping, tide, stream stage, etc.)

Water Level Data Measurement Units: ☒ ft ☐ m Well or Borehole Total Depth (TD) from MP or TOC 20'

☐ E-Tape, #_____ ☐ Steel Tape ☐ Other	Initial	Confirmation	At Start of Purging	At End of Purging			Remarks
Time (hh:mm)	1000						
Depth to Water	7.12						
Tape Correction							
Water Level (WL)							
Product Thickness							
Product Recovery ☐ gallons ☐ liters							

Measure water level from fixed measuring point (MP) or top of well casing (TOC). Record water depth to nearest 0.01 ft or 0.002 m, with minus (-) sign if level is above MP or TOC. If no mark on MP or TOC, measure water level from north side of casing. Measure static or pre-purging water level twice; record initial and confirmation measurements and measurement times (in 24-hour clock format). MP/TOC Stickup measurement is from ground surface to nearest 0.1 ft or 0.01 m. Depth to Water codes: N - not measured; D - dry; O - obstructed; P - pumping; F - flowing (artesian well); R - recently pumped; C - cascading. Water Level (WL) = Depth to Water - Tape Correction factor. Record free product presence at time of water level measurement; use "S" for free product thickness if sheen observed. If free product removed from well, record volume removed in gallons or liters, list product type in "Remarks" column.

Field WQ Data Purge Depth: ☐ Grab ☐ Bailer ☒ Pump Description: Peristaltic

Casing Volume: [20' (TD) - 7.12 (WL)] • [2 (Well ID)]^2 • [.0408 (Conversion Factor)] = 2.1 ☒ gal ☐ liters

Conversion Factor = 0.0408 for feet and gallons; 0.1544 for feet and liters; 0.5066 for meters and liters; Well ID in inches

Well Goes Dry While Purging ☐

☒ Cum. Vol. Purged ☐ Pumping Rate	2	4	6			(Final)	Meter Type	Remarks
Time Measured (hh:mm)	1010	1020	1030					
pH ☐ Temp. Compensated	6.87	6.87	6.92				DSPH	
Temperature ☒ °C ☐ °F	11	11	11					
Dissolved Oxygen mg/l	—	—	—					
☒ SC or ☐ EC µS/cm	860	875	887				DSPH	
Turbidity ☐ NTU	—	—	clear					
Color/Tint	—	—	none					
Odor	—	—	slightly sulfur-like					

Record time purging starts and ends in Water Level Data section. Cum. Vol Purged: cumulative volumed removed before sampling, in gallons or liters. Pumping Rate is gpm or Lpm, depending on box checked in casing volume calculation. Use "Final" column above for recording sample field measurements, total volume purged befored sampling or avearage pumping rate during purging. Record equipment calibration methods, decontamination procedures, equipment failures, purge water disposal method, etc. in daily field notes. SC: Specific Conductance corrected for temperature (µS/cm at 25°C); EC: Electrical Conductivity not corrected for temperature (µS/cm). µS/cm = µmho/cm. 1 gallon (US) = 3.785 L = 0.833 Imperial gallon

Sample Data Sample Depth: ☐ Grab ☒ Bailer ☒ Pump Description: field filtered w/ pump

Field Sample ID (unique ID on bottles)	Result Code	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Lab ID	Case ID	SDG ID	Remarks
7022WSGMW-1202	P0	2/21/97	1030	2	FS				

Sample ID may be up to 15 characters. **Sample Result Code, Date, and Time must be entered.** Result Codes: P0, Primary Sample; D#, Duplicate Sample; S#, Split Sample (sent to second lab); BF#, Field Blank; BR#, Equipment Rinsate; BT#, Trip Blank; SF#, Field Spike (# = 1 to 9). Lab ID (up to 5 characters) is name of laboratory that will analyze the sample. Case ID (up to 5 characters) and SDG ID (sample delivery group, up to 15 characters) are required for blanks. Case ID may be the lab service request number or yy-mm. SDG may be lab's SDG, a cooler ID number, or mmddyy. Enter sample preservation and handling data on chain-of-custody form. Also record detailed information about duplicate, split, rinsate, spike, and/or blank sample collection/handling in daily field notes.

Sampled By (print) Michelle Lange	Signature Michelle Lange

Date Entered into Database By

WEYERHAEUSER GROUNDWATER SAMPLING RECORD

Company ☐ ES&T/WTC ☐ ES&T/NB	Project No. 4041-037.085	Site ID MW-1203
EMCON	Facility Everett-West	Date (m/d/y) 2/21/97

Site Description ☒ Monitoring Well ☐ Extraction Well ☐ Irrigation Well ☐ Spring ☐ Borehole ☐ Probe Other:

Air Temp: 40 ☐ °C ☒ °F	Weather: Overcast
Well Locked? ☒ yes ☐ no	Damaged/Repairs Needed:
☒ TOC ☐ MP Description:	flush mount
TOC/MP Stickup: ☒ ft ☐ m above/below ground	Well Inside Diameter (ID): ☒ 2-inch ☐ 4-inch Other:
Site Remarks (neaby wells pumping, tide, stream stage, etc.)	

Water Level Data Measurement Units: ☒ ft ☐ m Well or Borehole Total Depth (TD) from MP or TOC: 9.40'

☐ E-Tape, #_____ ☐ Steel Tape ☐ Other	Initial	Confirmation	At Start of Purging	At End of Purging			Remarks
Time (hh:mm)	1035						
Depth to Water	4.14						
Tape Correction							
Water Level (WL)							
Product Thickness							
Product Recovery ☐ gallons ☐ liters							

Measure water level from fixed measuring point (MP) or top of well casing (TOC). Record water depth to nearest 0.01 ft or 0.002 m, with minus (-) sign if level is above MP or TOC. If no mark on MP or TOC, measure water level from north side of casing. Measure static or pre-purging water level twice; record initial and confirmation measurements and measurement times (in 24-hour clock format). MP/TOC Stickup measurement is from ground surface to nearest 0.1 ft or 0.01 m. Depth to Water codes: N - not measured; D - dry; O - obstructed; P - pumping; F - flowing (artesian well); R - recently pumped; C - cascading. Water Level (WL) = Depth to Water - Tape Correction factor. Record free product presence at time of water level measurement; use "S" for free product thickness if sheen observed. If free product removed from well, record volume removed in gallons or liters, list product type in "Remarks" column.

Field WQ Data Purge Depth: ☐ Grab ☐ Bailer ☒ Pump Description: Peristaltic

Casing Volume: [9.4 (TD) - 4.14 (WL)] • [2 (Well ID)]^2 • [.0408 (Conversion Factor)] = 0.86 ☒ gal ☐ liters

Conversion Factor = 0.0408 for feet and gallons; 0.1544 for feet and liters; 0.5066 for meters and liters; Well ID in inches

Well Goes Dry While Purging ☐

☒ Cum. Vol. Purged ☐ Pumping Rate						(Final)	Meter Type	Remarks
	0.9	1.8	2.7					
Time Measured (hh:mm)	1045	1050	1055					
pH ☐ Temp. Compensated	7.22	6.82	6.77				DSPH	
Temperature ☒ °C ☐ °F	9	9	9					
Dissolved Oxygen mg/l	—	—	—					
☒ SC or ☐ EC µS/cm	713	765	786				DSPH	
Turbidity ☐ NTU	—	—	clear					
Color/Tint	—	—	none					
Odor	—	—	no noticable					

Record time purging starts and ends in Water Level Data section. Cum. Vol Purged: cumulative volumed removed before sampling, in gallons or liters. Pumping Rate is gpm or Lpm, depending on box checked in casing volume calculation. Use "Final" column above for recording sample field measurements, total volume purged befored sampling or avearage pumping rate during purging. Record equipment calibration methods, decontamination procedures, equipment failures, purge water disposal method, etc. in daily field notes. SC: Specific Conductance corrected for temperature (µS/cm at 25°C); EC: Electrical Conductivity not corrected for temperature (µS/cm). µS/cm = µmho/cm. 1 gallon (US) = 3.785 L = 0.833 Imperial gallon

Sample Data Sample Depth: ☐ Grab ☒ Bailer ☒ Pump Description: field filtered w/pump

Field Sample ID (unique ID on bottles)	Result Code	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Lab ID	Case ID	SDG ID	Remarks
7022 WSGMW-1203	PO	2/21/97	1100	2	AS				
7022 WSGMW-1800		"	0900	"	"				Duplicate

Sample ID may be up to 15 characters. **Sample Result Code, Date, and Time must be entered.** Result Codes: PO, Primary Sample; D#, Duplicate Sample; S#, Split Sample (sent to second lab); BF#, Field Blank; BR#, Equipment Rinsate; BT#, Trip Blank; SF#, Field Spike (# = 1 to 9). Lab ID (up to 5 characters) is name of laboratory that will analyze the sample. Case ID (up to 5 characters) and SDG ID (sample delivery group, up to 15 characters) are required for blanks. Case ID may be the lab service request number or yy-mm. SDG may be lab's SDG, a cooler ID number, or mmddyy. Enter sample preservation and handling data on chain-of-custody form. Also record detailed information about duplicate, split, rinsate, spike, and/or blank sample collection/handling in daily field notes.

Sampled By (print) Michelle Lange	Signature Michelle Lange

Date Entered into Database By Page of

WEYERHAEUSER GROUNDWATER SAMPLING RECORD

Company ☐ ES&T/WTC ☐ ES&T/NB	Project No. 4041-037.085	Site ID MW-130
EMCON	Facility Everett-West	Date (m/d/y) 2/21/97

Site Description ☒ Monitoring Well ☐ Extraction Well ☐ Irrigation Well ☐ Spring ☐ Borehole ☐ Probe Other:

Air Temp: 40 ☐ °C ☒ °F Weather: Overcast

Well Locked? ☒ yes ☐ no Damaged/Repairs Needed:

☒ TOC ☐ MP Description: Flush mount

TOC/MP Stickup: ☒ ft ☐ m above/below ground Well Inside Diameter (ID): ☒ 2-inch ☐ 4-inch Other:

Site Remarks (neaby wells pumping, tide, stream stage, etc.)

Water Level Data Measurement Units: ☒ ft ☐ m Well or Borehole Total Depth (TD) from MP or TOC: 9.40

☐ E-Tape, #_____ ☐ Steel Tape ☐ Other	Initial	Confirmation	At Start of Purging	At End of Purging			Remarks
Time (hh:mm)	1115						
Depth to Water	4.30						
Tape Correction							
Water Level (WL)							
Product Thickness							
Product Recovery ☐ gallons ☐ liters							

Measure water level from fixed measuring point (MP) or top of well casing (TOC). Record water depth to nearest 0.01 ft or 0.002 m, with minus (-) sign if level is above MP or TOC. If no mark on MP or TOC, measure water level from north side of casing. Measure static or pre-purging water level twice; record initial and confirmation measurements and measurement times (in 24-hour clock format). MP/TOC Stickup measurement is from ground surface to nearest 0.1 ft or 0.01 m. Depth to Water codes: N - not measured; D - dry; O - obstructed; P - pumping; F - flowing (artesian well); R - recently pumped; C - cascading. Water Level (WL) = Depth to Water - Tape Correction factor. Record free product presence at time of water level measurement; use "S" for free product thickness if sheen observed. If free product removed from well, record volume removed in gallons or liters, list product type in "Remarks" column.

Field WQ Data Purge Depth: ☐ Grab ☐ Bailer ☒ Pump Description: Peristaltic

Casing Volume: [9.4 (TD) - 4.3 (WL)] • [2 (Well ID)]^2 • [.0408 (Conversion Factor)] = 0.83 ☒ gal ☐ liters

Conversion Factor = 0.0408 for feet and gallons; 0.1544 for feet and liters; 0.5066 for meters and liters; Well ID in inches

Well Goes Dry While Purging ☐

☒ Cum. Vol. Purged ☐ Pumping Rate						(Final)	Meter Type	Remarks
	0.85	1.70	2.55					
Time Measured (hh:mm)	1124	1130	1135					
pH ☐ Temp. Compensated	7.14	7.00	6.75				DSPH	
Temperature ☒ °C ☐ °F	8	8	8					
Dissolved Oxygen mg/l	—	—	—					
☒ SC or ☐ EC µS/cm	281	250	263				DSPH	
Turbidity ☐ NTU	—	—	clear					
Color/Tint	—	—	orange - threadlike, white organisms					
Odor	—	—	no					
			no noticable	in purgewater				

Record time purging starts and ends in Water Level Data section. Cum. Vol Purged: cumulative volumed removed before sampling, in gallons or liters. Pumping Rate is gpm or Lpm, depending on box checked in casing volume calculation. Use "Final" column above for recording sample field measurements, total volume purged befored sampling or avearage pumping rate during purging. Record equipment calibration methods, decontamination procedures, equipment failures, purge water disposal method, etc. in daily field notes. SC: Specific Conductance corrected for temperature (µS/cm at 25°C); EC: Electrical Conductivity not corrected for temperature (µS/cm). µS/cm = µmho/cm. 1 gallon (US) = 3.785 L = 0.833 Imperial gallon

Sample Data Sample Depth: ☐ Grab ☒ Bailer ☒ Pump Description: field filtered w/ pump

Field Sample ID (unique ID on bottles)	Result Code	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Lab ID	Case ID	SDG ID	Remarks
7022 WSGMW-130	PO	2/21/97	1140	2	HS				

Sample ID may be up to 15 characters. **Sample Result Code, Date, and Time must be entered.** Result Codes: PO, Primary Sample; D#, Duplicate Sample; S#, Split Sample (sent to second lab); BF#, Field Blank; BR#, Equipment Rinsate; BT#, Trip Blank; SF#, Field Spike (# = 1 to 9). Lab ID (up to 5 characters) is name of laboratory that will analyze the sample. Case ID (up to 5 characters) and SDG ID (sample delivery group, up to 15 characters) are required for blanks. Case ID may be the lab service request number or yy-mm. SDG may be lab's SDG, a cooler ID number, or mmddyy. Enter sample preservation and handling data on chain-of-custody form. Also record detailed information about duplicate, split, rinsate, spike, and/or blank sample collection/handling in daily field notes.

Sampled By (print) Michelle Lange	Signature Michelle Lange

Date Entered into Database _____ By _____ Page ___ of ___

WEYERHAEUSER GROUNDWATER SAMPLING RECORD

Company ☐ ES&T/WTC ☐ ES&T/NB	Project No. 4041-037.085	Site ID MW-1302
EMCON	Facility Everett-West	Date (m/d/y) 2/21/97

Site Description ☒ Monitoring Well ☐ Extraction Well ☐ Irrigation Well ☐ Spring ☐ Borehole ☐ Probe Other:

Air Temp: 40 ☐ °C ☒ °F	Weather: Overcast
Well Locked? ☒ yes ☐ no	Damaged/Repairs Needed:
☒ TOC ☐ MP Description:	Flush mount
TOC/MP Stickup: ☒ ft ☐ m above/below ground	Well Inside Diameter (ID): ☒ 2-inch ☐ 4-inch Other:
Site Remarks (neaby wells pumping, tide, stream stage, etc.)	

Water Level Data Measurement Units: ☒ ft ☐ m Well or Borehole Total Depth (TD) from MP or TOC: 9.4'

☐ E-Tape, #_____ ☐ Steel Tape ☐ Other	Initial	Confirmation	At Start of Purging	At End of Purging			Remarks
Time (hh:mm)	1145						
Depth to Water	4.84						
Tape Correction							
Water Level (WL)							
Product Thickness							
Product Recovery ☐ gallons ☐ liters							

Measure water level from fixed measuring point (MP) or top of well casing (TOC). Record water depth to nearest 0.01 ft or 0.002 m, with minus (-) sign if level is above MP or TOC. If no mark on MP or TOC, measure water level from north side of casing. Measure static or pre-purging water level twice; record initial and confirmation measurements and measurement times (in 24-hour clock format). MP/TOC Stickup measurement is from ground surface to nearest 0.1 ft or 0.01 m. Depth to Water codes: N - not measured; D - dry; O - obstructed; P - pumping; F - flowing (artesian well); R - recently pumped; C - cascading. Water Level (WL) = Depth to Water - Tape Correction factor. Record free product presence at time of water level measurement; use "S" for free product thickness if sheen observed. If free product removed from well, record volume removed in gallons or liters, list product type in "Remarks" column.

Field WQ Data Purge Depth: ☐ Grab ☐ Bailer ☒ Pump Description: Peristaltic

Casing Volume: [9.4 (TD) - 4.84 (WL)] • [2 (Well ID)]^2 • [.0408 (Conversion Factor)] = 0.74 ☒ gal ☐ liters

Conversion Factor = 0.0408 for feet and gallons; 0.1544 for feet and liters; 0.5066 for meters and liters; Well ID in inches

Well Goes Dry While Purging ☐

☒ Cum. Vol. Purged ☐ Pumping Rate						(Final)	Meter Type	Remarks
Time Measured (hh:mm)	1152	1200	1205					
pH ☐ Temp. Compensated	6.41	6.23	6.21				DSPH	
Temperature ☒ °C ☐ °F	8	8	8					
Dissolved Oxygen mg/l	—	—	—					
☒ SC or ☐ EC µS/cm	1,016	1,074	1,093				DSPH	
Turbidity ☐ NTU	—	—	clear					
Color/Tint	—	—	none					
Odor	—	—	no noticable					

Record time purging starts and ends in Water Level Data section. Cum. Vol Purged: cumulative volumed removed before sampling, in gallons or liters. Pumping Rate is gpm or Lpm, depending on box checked in casing volume calculation. Use "Final" column above for recording sample field measurements, total volume purged befored sampling or avearage pumping rate during purging. Record equipment calibration methods, decontamination procedures, equipment failures, purge water disposal method, etc. in daily field notes. SC: Specific Conductance corrected for temperature (µS/cm at 25°C); EC: Electrical Conductivity not corrected for temperature (µS/cm). µS/cm = µmho/cm. 1 gallon (US) = 3.785 L = 0.833 Imperial gallon

Sample Data Sample Depth: ☐ Grab ☒ Bailer ☒ Pump Description: field filtered w/ pump

Field Sample ID (unique ID on bottles)	Result Code	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Lab ID	Case ID	SDG ID	Remarks
7022 WSGMW-1302	P0	2/21/97	1210	2	HS				

Sample ID may be up to 15 characters. **Sample Result Code, Date, and Time must be entered.** Result Codes: P0, Primary Sample; D#, Duplicate Sample; S#, Split Sample (sent to second lab); BF#, Field Blank; BR#, Equipment Rinsate; BT#, Trip Blank; SF#, Field Spike (# = 1 to 9). Lab ID (up to 5 characters) is name of laboratory that will analyze the sample. Case ID (up to 5 characters) and SDG ID (sample delivery group, up to 15 characters) are required for blanks. Case ID may be the lab service request number or yy-mm. SDG may be lab's SDG, a cooler ID number, or mmddyy. Enter sample preservation and handling data on chain-of-custody form. Also record detailed information about duplicate, split, rinsate, spike, and/or blank sample collection/handling in daily field notes.

Sampled By (print) Michelle Lange	Signature Michelle Lange

FORM 18900 (8/94) Printing Services, TP-1 Tacoma

Date Entered into Database_____ By_____ Page ___ of ___

WEYERHAEUSER GROUNDWATER SAMPLING RECORD

Company ☐ ES&T/WTC ☐ ES&T/NB	Project No. 4041-037.085	Site ID MW-150I
EMCON	Facility Everett-West	Date (m/d/y) 2/21/97

Site Description ☒ Monitoring Well ☐ Extraction Well ☐ Irrigation Well ☐ Spring ☐ Borehole ☐ Probe Other:

Air Temp: 40 ☐ °C ☒ °F Weather: Overcast

Well Locked? ☒ yes ☐ no Damaged/Repairs Needed:

☒ TOC ☐ MP Description: Flush mount

TOC/MP Stickup: ☒ ft ☐ m above/below ground Well Inside Diameter (ID): ☒ 2-inch ☐ 4-inch Other:

Site Remarks (neaby wells pumping, tide, stream stage, etc.)

Water Level Data Measurement Units: ☒ ft ☐ m Well or Borehole Total Depth (TD) from MP or TOC: 9.50'

☐ E-Tape, #_____ ☐ Steel Tape ☐ Other	Initial	Confirmation	At Start of Purging	At End of Purging			Remarks
Time (hh:mm)	1210						
Depth to Water	2.81						
Tape Correction							
Water Level (WL)							
Product Thickness							
Product Recovery ☐ gallons ☐ liters							

Measure water level from fixed measuring point (MP) or top of well casing (TOC). Record water depth to nearest 0.01 ft or 0.002 m, with minus (-) sign if level is above MP or TOC. If no mark on MP or TOC, measure water level from north side of casing. Measure static or pre-purging water level twice; record initial and confirmation measurements and measurement times (in 24-hour clock format). MP/TOC Stickup measurement is from ground surface to nearest 0.1 ft or 0.01 m. Depth to Water codes: N - not measured; D - dry; O - obstructed; P - pumping; F - flowing (artesian well); R - recently pumped; C - cascading. Water Level (WL) = Depth to Water - Tape Correction factor. Record free product presence at time of water level measurement; use "S" for free product thickness if sheen observed. If free product removed from well, record volume removed in gallons or liters, list product type in "Remarks" column.

Field WQ Data Purge Depth: ☐ Grab ☐ Bailer ☒ Pump Description: Peristaltic

Casing Volume: [9.5 (TD) - 2.81 (WL)] • [2 (Well ID)]^2 • [.0408 (Conversion Factor)] = 1.09 ☒ gal ☐ liters

Conversion Factor = 0.0408 for feet and gallons; 0.1544 for feet and liters; 0.5066 for meters and liters; Well ID in inches

Well Goes Dry While Purging ☐

☒ Cum. Vol. Purged ☐ Pumping Rate						(Final)	Meter Type	Remarks
Time Measured (hh:mm)	1218	1225	1230					
pH ☐ Temp. Compensated	6.88	6.90	6.88				DSPH	
Temperature ☒ °C ☐ °F	8	8	8					
Dissolved Oxygen mg/l	—	—	—					
☒ SC or ☐ EC µS/cm	344	352	353				DSPH	
Turbidity ☐ NTU	—	—	clear					
Color/Tint	—	—	none					
Odor	—	—	no noticable/ slightly sulfur-like					

Record time purging starts and ends in Water Level Data section. Cum. Vol Purged: cumulative volumed removed before sampling, in gallons or liters. Pumping Rate is gpm or Lpm, depending on box checked in casing volume calculation. Use "Final" column above for recording sample field measurements, total volume purged befored sampling or avearage pumping rate during purging. Record equipment calibration methods, decontamination procedures, equipment failures, purge water disposal method, etc. in daily field notes. SC: Specific Conductance corrected for temperature (µS/cm at 25°C); EC: Electrical Conductivity not corrected for temperature (µS/cm). µS/cm = µmho/cm. 1 gallon (US) = 3.785 L = 0.833 Imperial gallon

Sample Data Sample Depth: ☐ Grab ☒ Bailer ☒ Pump Description: field filtered w/ pump

Field Sample ID (unique ID on bottles)	Result Code	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Lab ID	Case ID	SDG ID	Remarks
7022IWSGMW-150I	PO	2/21/97	1240	2	HS				

Sample ID may be up to 15 characters. **Sample Result Code, Date, and Time must be entered.** Result Codes: PO, Primary Sample; D#, Duplicate Sample; S#, Split Sample (sent to second lab); BF#, Field Blank; BR#, Equipment Rinsate; BT#, Trip Blank; SF#, Field Spike (# = 1 to 9). Lab ID (up to 5 characters) is name of laboratory that will analyze the sample. Case ID (up to 5 characters) and SDG ID (sample delivery group, up to 15 characters) are required for blanks. Case ID may be the lab service request number or yy-mm. SDG may be lab's SDG, a cooler ID number, or mmddyy. Enter sample preservation and handling data on chain-of-custody form. Also record detailed information about duplicate, split, rinsate, spike, and/or blank sample collection/handling in daily field notes.

Sampled By (print) Michelle Lange	Signature Michelle Lange

Date Entered into Database By Page of

WEYERHAEUSER GROUNDWATER SAMPLING RECORD

Company ☐ ES&T/WTC ☐ ES&T/NB	Project No. 4041-037.085	Site ID MW-1701
EMCON	Facility Everett-West	Date (m/d/y) 2/21/97

Site Description ☒ Monitoring Well ☐ Extraction Well ☐ Irrigation Well ☐ Spring ☐ Borehole ☐ Probe Other:

Air Temp: 40 ☐ °C ☒ °F Weather: Part sun; 40°F

Well Locked? ☒ yes ☐ no Damaged/Repairs Needed:

☒ TOC ☐ MP Description: Flush mount

TOC/MP Stickup: ☒ ft ☐ m above/below ground Well Inside Diameter (ID): ☒ 2-inch ☐ 4-inch Other:

Site Remarks (neaby wells pumping, tide, stream stage, etc.)

Water Level Data Measurement Units: ☒ ft ☐ m Well or Borehole Total Depth (TD) from MP or (TOC) 7.70'

☐ E-Tape, #_____ ☐ Steel Tape ☐ Other	Initial	Confirmation	At Start of Purging	At End of Purging			Remarks
Time (hh:mm)	~~0908~~	0908					
Depth to Water	2.94						
Tape Correction							
Water Level (WL)							
Product Thickness							
Product Recovery ☐ gallons ☐ liters							

Measure water level from fixed measuring point (MP) or top of well casing (TOC). Record water depth to nearest 0.01 ft or 0.002 m, with minus (-) sign if level is above MP or TOC. If no mark on MP or TOC, measure water level from north side of casing. Measure static or pre-purging water level twice; record initial and confirmation measurements and measurement times (in 24-hour clock format). MP/TOC Stickup measurement is from ground surface to nearest 0.1 ft or 0.01 m. Depth to Water codes: N - not measured; D - dry; O - obstructed; P - pumping; F - flowing (artesian well); R - recently pumped; C - cascading. Water Level (WL) = Depth to Water - Tape Correction factor. Record free product presence at time of water level measurement; use "S" for free product thickness if sheen observed. If free product removed from well, record volume removed in gallons or liters, list product type in "Remarks" column.

Field WQ Data Purge Depth: ☐ Grab ☐ Bailer ☒ Pump Description: Peristaltic

Casing Volume: [7.7 (TD) - 2.94 (WL)] • [2 (Well ID)]^2 • [.0408 (Conversion Factor)] = 0.77 ☒ gal ☐ liters

Conversion Factor = 0.0408 for feet and gallons; 0.1544 for feet and liters; 0.5066 for meters and liters; Well ID in inches

Well Goes Dry While Purging ☐

☒ Cum. Vol. Purged ☐ Pumping Rate						(Final)	Meter Type	Remarks
Time Measured (hh:mm)	0920	0925	0930					
pH ☐ Temp. Compensated	6.35	6.42	6.47				DSPH	
Temperature ☒ °C ☐ °F	8	8	8					
Dissolved Oxygen mg/l	—	—	—					
☒ SC or ☐ EC µS/cm	235	201	199				DSPH	
Turbidity ☐ NTU	—	—	clear					
Color/Tint	—	—	none					
Odor	—	—	no noticeable					

Record time purging starts and ends in Water Level Data section. Cum. Vol Purged: cumulative volumed removed before sampling, in gallons or liters. Pumping Rate is gpm or Lpm, depending on box checked in casing volume calculation. Use "Final" column above for recording sample field measurements, total volume purged befored sampling or avearage pumping rate during purging. Record equipment calibration methods, decontamination procedures, equipment failures, purge water disposal method, etc. in daily field notes. SC: Specific Conductance corrected for temperature (µS/cm at 25°C); EC: Electrical Conductivity not corrected for temperature (µS/cm). µS/cm = µmho/cm. 1 gallon (US) = 3.785 L = 0.833 Imperial gallon

Sample Data Sample Depth: ☐ Grab ☒ Bailer ☒ Pump Description: field filtered w/ pump

Field Sample ID (unique ID on bottles)	Result Code	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Lab ID	Case ID	SDG ID	Remarks
7022 WSGMW-1701	P0	2/21/97	0930	2	AS				
" -1901	"	"	0920	2	AS				Field Blank

Sample ID may be up to 15 characters. **Sample Result Code, Date, and Time must be entered.** Result Codes: P0, Primary Sample; D#, Duplicate Sample; S#, Split Sample (sent to second lab); BF#, Field Blank; BR#, Equipment Rinsate; BT#, Trip Blank; SF#, Field Spike (# = 1 to 9). Lab ID (up to 5 characters) is name of laboratory that will analyze the sample. Case ID (up to 5 characters) and SDG ID (sample delivery group, up to 15 characters) are required for blanks. Case ID may be the lab service request number or yy-mm. SDG may be lab's SDG, a cooler ID number, or mmddyy. Enter sample preservation and handling data on chain-of-custody form. Also record detailed information about duplicate, split, rinsate, spike, and/or blank sample collection/handling in daily field notes.

Sampled By (print) Michelle Lange	Signature Michelle Lange

Date Entered into Database_____ By_____

Date 2-21-97
Page 1 of 1

Weyerhaeuser

Analytical & Testing Services

Sample Analysis Request/Chain of Custody Form

Facility: Everett - West Site
Sampler's Project No.: 12029756-70
Weyerhaeuser Account No.:
Sampled by: ☐ Facility ☐ E&AS/WTC ☐ E&AS/NB
Consultant: EMCON
Address: 18912 N Creek Pkwy, Bothell
Phone No.: (206) 485-5000 FAX: 486-9766
Project Manager (print): Steve Nelson
Sampler Name (print): Michelle Lange
Recorded By (signed): Michelle Lange

Method	Field Sample ID (15 characters max.)	Date (m/d/y)	Time (hh:mm)	Depth (ft / m)	Matrix: Water	Soil/Sed	Oil	Preservative: HCl	H_2SO_4	HNO_3	$Na_2S_2O_3$	Filtered	Number of Containers
	7022IWSGMW-1201	2/21/97	1015		X			X		X		X	2
	" -1202		1030		X			X		X		X	2
	" -1203		1100		X			X		X		X	2
	" -1301		1140		X			X		X		X	2
	" -1302		1210		X			X		X		X	2
	" -1501		1240		X			X		X		X	2
	" -1701		0930		X			X		X		X	2
	" -1800		0900		X			X		X		X	2
	" -1901		0920		X			X		X		X	2

Method: G, grab; D, depth composite; T, time composite. Depth required for soil or sediment samples.

Analyses Requested (circle or write in parameters): pH, Cond, TDS, TSS, Color, Tannins; Volatile Organics / BTEX; Semi-volatile Organics; TPH: 418.1, TPH-G, (TPH-D) ext.; Ca, Mg, Na, K, Fe, Mn; Metals (list below); NH_3, HCO_3, CO_3, Cl, F, NO_3, SO_4; AOX; TCLP: Metals, VOA, SVOA, Pest, Herb, PCBs; Dioxin: Total / 2,3,7,8-TCDD / 2,3,7,8-TCDF; CN; BOD, P-ortho; TKN, P-total, TOC, COD

Notes
(1) Dissolved As

Remarks/Detection Limit Requirements
(1) Diss. As was field filtered
* Report method blank results for diss. As analysis.

☐ Samples on Ice or Blue Ice

Lab Turn-Around Time
☐ 24 Hr ☐ 48 Hr ☒ 7 Day
☐ 2-3 wk Date Due: Standard

Reporting and QA/QC Requirements
RESULTS TO: Steve Nelson
CC:
☐ CLP Package
☐ NPDES Permit
☐ Other:
☐ Electronic Report

Laboratory
☐ WATS/WTC ☐ WATS/NB
☐ Other:
Lab SR#:
Case ID:
SDG ID:

Sample Chain of Custody and Shipping Method Record

	Date	Time	
Relinquished By Sampler (signature): Michelle Lange	2/21/97	1250	Received By (signature):
Relinquished By (signature):	Date	Time	Received By (signature):
Relinquished By (signature):	Date	Time	Received For Laboratory By (signature):

Shipping Method
Airbill No.
Samples Received Intact:
Cooler Temp: °C

Weyerhaeuser Way South, Federal Way, WA 98003 (206-924-6293)
WATS/NB: New Bern R&D Field Station, Highway 43 North, New Bern, NC 28563 (919-633-7238

40141-037.088

Weyerhaeuser

32901 Weyerhaeuser Way South
Federal Way, Washington 98003
Analytical Chemistry Laboratories
Tacoma, Washington 98477
Tel (206) 924 6872
Fax (206) 924 6654

March 14, 1997

Mr. Steve Nelson
EMCON
18912 North Creek Parkway, Suite 100
Bothell, WA 98011

Dear Steve:

Attached is a copy of our final report for the samples you requested we analyze for Everett West Site. These are from our service request number 03248. Invoicing for this work will be directly to Weyerhaeuser. If you have any questions concerning this report, please feel free to contact me at (206) 924-6242.

Thank you for using our laboratory for this analysis and we look forward to working with you on future projects.

Sincerely,

Dennis Catalano, Project Manager
Weyerhaeuser Analytical and Testing Services

Attachments

Weyerhaeuser

32901 Weyerhaeuser Way South
Federal Way, Washington 98003
Analytical Chemistry Laboratories
Tacoma, Washington 98477
Tel (206) 924 6872
Fax (206) 924 6654

SDG NARRATIVE

Organic Analysis

WEYERHAEUSER (WEYER)

ANALYTICAL AND TESTING SERVICES

Case Number 3248

SDG Number 78218

PROJECT: EVERETT WEST SITE WATER SAMPLES 1202975670 OOE #70439

The samples from this SDG were received on 2/22/97. The SDG was composed of water samples for analysis of Arsenic by AM1-3020/200.9 and petroleum hydrocarbons by WTPH-D. The following analyses were performed:

SAMPLE ID	LAB ID	MATRIX	ANALYSIS
70221WSGMW-1201	78218	WATER	WTPH-D;As
70221WSGMW-1201DUP	78218DUP	WATER	WTPH-D
70221WSGMW-1202	78219	WATER	WTPH-D;As
70221WSGMW-1202DUP	78219D	WATER	As
70221WSGMW-1203	78220	WATER	WTPH-D;As
70221WSGMW-1301	78221	WATER	WTPH-D;As
70221WSGMW-1302	78222	WATER	WTPH-D;As
70221WSGMW-1501	78223	WATER	WTPH-D;As
70221WSGMW-1701	78224	WATER	WTPH-D;As
70221WSGMW-1800	78225	WATER	WTPH-D;As
70221WSGMW-1901	78226	WATER	WTPH-D;As
LCS 2/25/97	LCS 2/25/97	Fortified Blank	WTPH-D

Laboratory comments for this sample delivery group are listed below. The comments are broken up into categories for ease of explanation.

1. WTPH-D

   a) No comments.

2. Arsenic

   a) No comments.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Dennis Catalano
Project Manager

3/14/97
Date

Please feel free to contact me with any questions concerning this data report. I can be reached at (206) 924-6242.

Sincerely,

Dennis Catalano
Weyerhaeuser Analytical & Testing Services

Weyerhaeuser Company
Analytical Laboratories
Tacoma, Washington

Service Request 03248

Report

Everett West Site Water Samples

Sample Designation	Analytical Lab Code	Dissolved As (µg/L)
70221WSGMW-1201 02/21/97 1015	78218	< 3
70221WSGMW-1202 02/21/97 1030	78219	10
Duplicate	78219D	10
70221WSGMW-1203 02/21/97 1100	78220	3
70221WSGMW-1301 02/21/97 1140	78221	17
70221WSGMW-1302 02/21/97 1210	78222	< 3
70221WSGMW-1501 02/21/97 1240	78223	< 3
70221WSGMW-1701 02/21/97 0930	78224	< 3
70221WSGMW-1800 02/21/97 0900	78225	4
70221WSGMW-1901 02/21/97 0920	78226	< 3
Method Blank		< 3
Quantitation Limit:		3
Method Number:		AM1-3020/200.9

Approved Mary Beth James

Report Date 02/28/97

WTPH-D Extended

Service Request: 03248
Analyst: C. Thomson

Sample ID Client ID	Blank 02/25/97	LCS 02/25/97	78218 70221WSG MW-1201	78219 70221WSG MW-1202	78220 70221WSG MW-1203
Analytes	mg/L	% Rec.	mg/L	mg/L	mg/L
Diesel Fuel Range	U	102%	U	0.28	U
Motor Oil Range	U		U	0.23	U
Surrogate Recovery	98%	99%	97%	96%	94%
Date Sampled			02/21/97	02/21/97	02/21/97
Date Extracted	02/25/97	02/25/97	02/25/97	02/25/97	02/25/97
Date Analyzed	03/12/97	03/12/97	03/13/97	03/13/97	03/13/97
Holding Time Days			4	4	4
Reporting Limit					
Diesel Range	0.082		0.082	0.082	0.082
Motor Oil Range	0.20		0.20	0.20	0.20

Approved by Clay Thomson Date 3/14/97

WTPH-D Extended

Service Request: 03248
Analyst: C. Thomson

Sample ID	78221	78222	78223	78224
Client ID	70221WSG MW-1301	70221WSG MW-1302	70221WSG MW-1501	70221WSG MW-1701
Analytes	mg/L	mg/L	mg/L	mg/L
Diesel Fuel Range	U	0.31	U	U
Motor Oil Range	U	0.28	U	U
Surrogate Recovery	101%	100%	93%	101%
Date Sampled	02/21/97	02/21/97	02/21/97	02/21/97
Date Extracted	02/25/97	02/25/97	02/25/97	02/25/97
Date Analyzed	03/13/97	03/13/97	03/13/97	03/13/97
Holding Time Days	4	4	4	4
Reporting Limit				
Diesel Range	0.082	0.082	0.082	0.082
Motor Oil Range	0.20	0.20	0.20	0.20

WTPH-D Extended

Service Request: 03248
Analyst: C. Thomson

Sample ID	78225	78226	78218DUP
Client ID	70221WSG MW-1800	70221WSG MW-1901	70221WSG MW-1201DUP
Analytes	mg/L	mg/L	mg/L
Diesel Fuel Range	U	U	U
Motor Oil Range	U	U	U
Surrogate Recovery	100%	97%	95%
Date Sampled	02/21/97	02/21/97	02/21/97
Date Extracted	02/25/97	02/25/97	02/25/97
Date Analyzed	03/13/97	03/13/97	03/13/97
Holding Time Days	4	4	4
Reporting Limit			
Diesel Range	0.082	0.082	0.10
Motor Oil Range	0.20	0.20	0.26

DATA VALIDATION REPORT
NINTH ROUND GROUNDWATER COMPLIANCE MONITORING
FEBRUARY 1997
WEYERHAEUSER EVERETT WEST SITE

DATA QUALIFICATIONS

The following report presents a summary of the Weyerhaeuser Everett West Site data validation review for seven groundwater samples, one field duplicate, and one field blank, collected on February 21, 1997. Samples were analyzed by Weyerhaeuser Analytical and Testing Services in Tacoma, Washington and reported under service request number 03248. All of the groundwater samples were analyzed for dissolved arsenic and total petroleum hydrocarbons as diesel (TPH-D) and motor oil (TPH-O). Data validation was conducted following procedures specified in the Compliance Monitoring Plan. Samples were labeled as directed by Weyerhaeuser (e.g., the sample from monitoring well MW-1201 was labeled "70221WSGMW-1201"). The field duplicate sample, collected from well MW-1203, was labeled 70221WSGMW-1800. The field blank sample was labeled 70221WSGMW-1901.

HOLDING TIMES

All arsenic and TPH analyses were conducted within holding time limits.

METHOD BLANKS AND FIELD BLANKS

The TPH and dissolved arsenic method blank results were non-detect. Analytes were not detected in the field blank. Data qualifiers were not assigned to sample results based on blank contamination.

SURROGATE RECOVERY

All of the surrogate recoveries reported for the TPH analyses were within QC criteria.

DUPLICATE RESULTS

Samples 70221WSGMW-1203 and 70221WSGMW-1800 were field duplicates. Dissolved arsenic was detected at concentrations of 3 µg/L and 4 µg/L, respectively. Petroleum hydrocarbons were not detected in either the sample or the field duplicate.

OVERALL ASSESSMENT OF DATA

All requested analyses were conducted and the data are 100 percent complete. Data qualifiers were not assigned to sample results based on the data validation review, and the data are judged to be acceptable for their intended use.

WEYERHAEUSER EVERETT WEST SITE
GROUNDWATER COMPLIANCE MONITORING
FEBRUARY 1997
FIELD SAMPLE FILE

PRI_STA	STA_ID	X_LOCATION	Y_LOCATION	STPLNZONE	LO_DAT_U	LOC_DATUM	DEPT_WATER
	MW-1201	373554	1308299	N	1929	USC&G.S. BENCH MARK M-296, NGVD-1929	12.30
	MW-1201	373554	1308299	N	1929	USC&G.S. BENCH MARK M-296, NGVD-1929	12.30
	MW-1202	373747	1308193	N	1929	USC&G.S. BENCH MARK M-296, NGVD-1929	7.12
	MW-1202	373747	1308193	N	1929	USC&G.S. BENCH MARK M-296, NGVD-1929	7.12
	MW-1203	373901	1307959	N	1929	USC&G.S. BENCH MARK M-296, NGVD-1929	4.14
	MW-1203	373901	1307959	N	1929	USC&G.S. BENCH MARK M-296, NGVD-1929	4.14
	MW-1301	373987	1307726	N	1929	USC&G.S. BENCH MARK M-296, NGVD-1929	4.30
	MW-1301	373987	1307726	N	1929	USC&G.S. BENCH MARK M-296, NGVD-1929	4.30
	MW-1302	374038	1307514	N	1929	USC&G.S. BENCH MARK M-296, NGVD-1929	4.84
	MW-1302	374038	1307514	N	1929	USC&G.S. BENCH MARK M-296, NGVD-1929	4.84
	MW-1501	373939	1306923	N	1929	USC&G.S. BENCH MARK M-296, NGVD-1929	2.81
	MW-1501	373939	1306923	N	1929	USC&G.S. BENCH MARK M-296, NGVD-1929	2.81
	MW-1701	372854	1308027	N	1929	USC&G.S. BENCH MARK M-296, NGVD-1929	2.94
	MW-1701	372854	1308027	N	1929	USC&G.S. BENCH MARK M-296, NGVD-1929	2.94

WEYERHAEUSER EVERETT WEST SITE
GROUNDWATER COMPLIANCE MONITORING
FEBRUARY 1997
FIELD SAMPLE FILE

UP_DEPTH	DEPT_UNITS	LOW_DEPTH	WTR_ELEV	AGENCY	SAMPLE_DAT	SAMP_TIME	SAMPLE_ID	FILTERED	ANAL_MTHOD
8.00	FEET	18.00	3.13	ECOLOGY	2/21/97	1015		FALSE	WTPH-D
8.00	FEET	18.00	3.13	ECOLOGY	2/21/97	1015		TRUE	EPA 200.9
6.00	FEET	18.00	6.14	ECOLOGY	2/21/97	1030		FALSE	WTPH-D
6.00	FEET	18.00	6.14	ECOLOGY	2/21/97	1030		TRUE	EPA 200.9
3.00	FEET	10.00	6.61	ECOLOGY	2/21/97	1100		FALSE	WTPH-D
3.00	FEET	10.00	6.61	ECOLOGY	2/21/97	1100		TRUE	EPA 200.9
3.00	FEET	10.00	7.25	ECOLOGY	2/21/97	1140		FALSE	WTPH-D
3.00	FEET	10.00	7.25	ECOLOGY	2/21/97	1140		TRUE	EPA 200.9
3.00	FEET	10.00	7.45	ECOLOGY	2/21/97	1210		FALSE	WTPH-D
3.00	FEET	10.00	7.45	ECOLOGY	2/21/97	1210		TRUE	EPA 200.9
3.00	FEET	10.00	7.38	ECOLOGY	2/21/97	1240		FALSE	WTPH-D
3.00	FEET	10.00	7.38	ECOLOGY	2/21/97	1240		TRUE	EPA 200.9
2.00	FEET	8.00	8.77	ECOLOGY	2/21/97	0930		FALSE	WTPH-D
2.00	FEET	8.00	8.77	ECOLOGY	2/21/97	0930		TRUE	EPA 200.9

WEYERHAEUSER EVERETT WEST SITE
GROUNDWATER COMPLIANCE MONITORING
FEBRUARY 1997
FIELD SAMPLE FILE

MEAS_ELEV	ELEV_UNITS	MEAS_DESC	DATUM	MATRIX	SOURCE_COD	COLLECTMET	FIELD_PH	FIELD_COND	FIELD_TEMP
15.43	FEET	TOP OF WELL CASING	NGVD-1929	10	23	29	6.39	462	10
15.43	FEET	TOP OF WELL CASING	NGVD-1929	11	23	29	6.39	462	10
13.26	FEET	TOP OF WELL CASING	NGVD-1929	10	23	29	6.92	887	11
13.26	FEET	TOP OF WELL CASING	NGVD-1929	11	23	29	6.92	887	11
10.75	FEET	TOP OF WELL CASING	NGVD-1929	10	23	29	6.77	786	9
10.75	FEET	TOP OF WELL CASING	NGVD-1929	11	23	29	6.77	786	9
11.55	FEET	TOP OF WELL CASING	NGVD-1929	10	23	29	6.75	263	8
11.55	FEET	TOP OF WELL CASING	NGVD-1929	11	23	29	6.75	263	8
12.29	FEET	TOP OF WELL CASING	NGVD-1929	10	23	29	6.21	1693	8
12.29	FEET	TOP OF WELL CASING	NGVD-1929	11	23	29	6.21	1693	8
10.19	FEET	TOP OF WELL CASING	NGVD-1929	10	23	29	6.88	353	8
10.19	FEET	TOP OF WELL CASING	NGVD-1929	11	23	29	6.88	353	8
11.71	FEET	TOP OF WELL CASING	NGVD-1929	10	23	29	6.47	199	8
11.71	FEET	TOP OF WELL CASING	NGVD-1929	11	23	29	6.47	199	8

WEYERHAEUSER EVERETT WEST SITE
GROUNDWATER COMPLIANCE MONITORING
FEBRUARY 1997
FIELD SAMPLE FILE

PURGE_METH	PURGE_VOL	PRJ_NAME	COMMENTS
P	3	Groundwater Compliance Monitoring, West Site	Sample_id = 70221WSGMW-1201
P	3	Groundwater Compliance Monitoring, West Site	Sample_id = 70221WSGMW-1201
P	3	Groundwater Compliance Monitoring, West Site	Sample_id = 70221WSGMW-1202
P	3	Groundwater Compliance Monitoring, West Site	Sample_id = 70221WSGMW-1202
P	3	Groundwater Compliance Monitoring, West Site	Sample_id = 70221WSGMW-1203
P	3	Groundwater Compliance Monitoring, West Site	Sample_id = 70221WSGMW-1203
P	3	Groundwater Compliance Monitoring, West Site	Sample_id = 70221WSGMW-1301
P	3	Groundwater Compliance Monitoring, West Site	Sample_id = 70221WSGMW-1301
P	3	Groundwater Compliance Monitoring, West Site	Sample_id = 70221WSGMW-1302
P	3	Groundwater Compliance Monitoring, West Site	Sample_id = 70221WSGMW-1302
P	3	Groundwater Compliance Monitoring, West Site	Sample_id = 70221WSGMW-1501
P	3	Groundwater Compliance Monitoring, West Site	Sample_id = 70221WSGMW-1501
P	3	Groundwater Compliance Monitoring, West Site	Sample_id = 70221WSGMW-1701
P	3	Groundwater Compliance Monitoring, West Site	Sample_id = 70221WSGMW-1701

WEYERHAEUSER EVERETT WEST SITE
GROUNDWATER COMPLIANCE MONITORING
FEBRUARY 1997
LAB SAMPLE FILE

PRI_STA	STA_ID	SAMPLE_DAT	ANALYZ_DAT	SAMPLE_ID	LAB_NAME	LABSAMP_ID	CONSTITUEN	CAS_ID
	MW-1201	2/21/97	3/12/97	70221WSGMW-1201	WEYERHAEUSER	78218	TPH AS DIESEL	68334-30-5
	MW-1201	2/21/97	3/12/97	70221WSGMW-1201	WEYERHAEUSER	78218	TPH AS MOTOR OIL	GIS-130-114
	MW-1201	2/21/97	2/28/97	70221WSGMW-1201	WEYERHAEUSER	78218	ARSENIC	7440-38-2
	MW-1202	2/21/97	3/12/97	70221WSGMW-1202	WEYERHAEUSER	78219	TPH AS DIESEL	68334-30-5
	MW-1202	2/21/97	3/12/97	70221WSGMW-1202	WEYERHAEUSER	78219	TPH AS MOTOR OIL	GIS-130-114
	MW-1202	2/21/97	2/28/97	70221WSGMW-1202	WEYERHAEUSER	78219	ARSENIC	7440-38-2
	MW-1203	2/21/97	3/12/97	70221WSGMW-1203	WEYERHAEUSER	78220	TPH AS DIESEL	68334-30-5
	MW-1203	2/21/97	3/12/97	70221WSGMW-1203	WEYERHAEUSER	78220	TPH AS MOTOR OIL	GIS-130-114
	MW-1203	2/21/97	2/28/97	70221WSGMW-1203	WEYERHAEUSER	78220	ARSENIC	7440-38-2
	MW-1301	2/21/97	3/12/97	70221WSGMW-1301	WEYERHAEUSER	78221	TPH AS DIESEL	68334-30-5
	MW-1301	2/21/97	3/12/97	70221WSGMW-1301	WEYERHAEUSER	78221	TPH AS MOTOR OIL	GIS-130-114
	MW-1301	2/21/97	2/28/97	70221WSGMW-1301	WEYERHAEUSER	78221	ARSENIC	7440-38-2
	MW-1302	2/21/97	3/12/97	70221WSWMW-1302	WEYERHAEUSER	78222	TPH AS DIESEL	68334-30-5
	MW-1302	2/21/97	3/12/97	70221WSWMW-1302	WEYERHAEUSER	78222	TPH AS MOTOR OIL	GIS-130-114
	MW-1302	2/21/97	2/28/97	70221WSWMW-1302	WEYERHAEUSER	78222	ARSENIC	7440-38-2
	MW-1501	2/21/97	3/12/97	70221WSGMW-1501	WEYERHAEUSER	78223	TPH AS DIESEL	68334-30-5
	MW-1501	2/21/97	3/12/97	70221WSGMW-1501	WEYERHAEUSER	78223	TPH AS MOTOR OIL	GIS-130-114
	MW-1501	2/21/97	2/28/97	70221WSGMW-1501	WEYERHAEUSER	78223	ARSENIC	7440-38-2
	MW-1701	2/21/97	3/12/97	70221WSGMW-1701	WEYERHAEUSER	78224	TPH AS DIESEL	68334-30-5
	MW-1701	2/21/97	3/12/97	70221WSGMW-1701	WEYERHAEUSER	78224	TPH AS MOTOR OIL	GIS-130-114
	MW-1701	2/21/97	2/28/97	70221WSGMW-1701	WEYERHAEUSER	78224	ARSENIC	7440-38-2

LABSAMP.xls (print only)
Diskette files in .dbf and .xls format

WEYERHAEUSER EVERETT WEST SITE
GROUNDWATER COMPLIANCE MONITORING
FEBRUARY 1997
LAB SAMPLE FILE

RESULT	UNITS	QUAL	QA_QUAL	LIMIT	DILUTION	FILTERED	ANAL_MTHOD	MATRIX	PRJ_NAME
0.000000	MG/L	U		0.082		FALSE	WTPH-D	10	Groundwater Compliance Monitoring, West Site
0.000000	MG/L	U		0.20		FALSE	WTPH-D	10	Groundwater Compliance Monitoring, West Site
0.000000	MG/L	U		0.003		FALSE	EPA 200.9	11	Groundwater Compliance Monitoring, West Site
0.280000	MG/L			0.082		FALSE	WTPH-D	10	Groundwater Compliance Monitoring, West Site
0.230000	MG/L			0.20		FALSE	WTPH-D	10	Groundwater Compliance Monitoring, West Site
0.010000	MG/L			0.003		FALSE	EPA 200.9	11	Groundwater Compliance Monitoring, West Site
0.000000	MG/L	U		0.082		FALSE	WTPH-D	10	Groundwater Compliance Monitoring, West Site
0.000000	MG/L	U		0.20		FALSE	WTPH-D	10	Groundwater Compliance Monitoring, West Site
0.003000	MG/L			0.003		FALSE	EPA 200.9	11	Groundwater Compliance Monitoring, West Site
0.000000	MG/L	U		0.082		FALSE	WTPH-D	10	Groundwater Compliance Monitoring, West Site
0.000000	MG/L	U		0.20		FALSE	WTPH-D	10	Groundwater Compliance Monitoring, West Site
0.017000	MG/L			0.003		FALSE	EPA 200.9	11	Groundwater Compliance Monitoring, West Site
0.310000	MG/L			0.082		FALSE	WTPH-D	10	Groundwater Compliance Monitoring, West Site
0.280000	MG/L			0.20		FALSE	WTPH-D	10	Groundwater Compliance Monitoring, West Site
0.000000	MG/L	U		0.003		FALSE	EPA 200.9	11	Groundwater Compliance Monitoring, West Site
0.000000	MG/L	U		0.082		FALSE	WTPH-D	10	Groundwater Compliance Monitoring, West Site
0.000000	MG/L	U		0.20		FALSE	WTPH-D	10	Groundwater Compliance Monitoring, West Site
0.000000	MG/L	U		0.003		FALSE	EPA 200.9	11	Groundwater Compliance Monitoring, West Site
0.000000	MG/L	U		0.082		FALSE	WTPH-D	10	Groundwater Compliance Monitoring, West Site
0.000000	MG/L	U		0.20		FALSE	WTPH-D	10	Groundwater Compliance Monitoring, West Site
0.000000	MG/L	U		0.003		FALSE	EPA 200.9	11	Groundwater Compliance Monitoring, West Site

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WEYERHAEUSER EVERETT WEST SITE
GROUNDWATER COMPLIANCE MONITORING
FEBRUARY 1997
SITE DESCRIPTION FILE

REP_DATE	REP_NAME	PRJ_NAME	STA_TYPE	STA_USE	WTR_USE	DATA_REL	STA_ID
4/11/97	Weyerhaeuser Company	Groundwater Compliance Monitoring, West Site	Ground water	O	W	C	MW-1201
4/11/97	Weyerhaeuser Company	Groundwater Compliance Monitoring, West Site	Ground water	O	W	C	MW-1202
4/11/97	Weyerhaeuser Company	Groundwater Compliance Monitoring, West Site	Ground water	O	W	C	MW-1203
4/11/97	Weyerhaeuser Company	Groundwater Compliance Monitoring, West Site	Ground water	O	W	C	MW-1301
4/11/97	Weyerhaeuser Company	Groundwater Compliance Monitoring, West Site	Ground water	O	W	C	MW-1302
4/11/97	Weyerhaeuser Company	Groundwater Compliance Monitoring, West Site	Ground water	O	W	C	MW-1501
4/11/97	Weyerhaeuser Company	Groundwater Compliance Monitoring, West Site	Ground water	O	W	C	MW-1701

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WEYERHAEUSER EVERETT WEST SITE
GROUNDWATER COMPLIANCE MONITORING
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SITE DESCRIPTION FILE

PRI_STA	SEC_STA1	SEC_STA2	SEC_STA3	STATE_FIPS	COUNTYFIPS	STATE_CHAR	COUNTYCHAR	OWN_NAME	OWN_DT
				53	061	WA	Snohomish	Weyerhaeuser Company	
				53	061	WA	Snohomish	Weyerhaeuser Company	
				53	061	WA	Snohomish	Weyerhaeuser Company	
				53	061	WA	Snohomish	Weyerhaeuser Company	
				53	061	WA	Snohomish	Weyerhaeuser Company	
				53	061	WA	Snohomish	Weyerhaeuser Company	
				53	061	WA	Snohomish	Weyerhaeuser Company	

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WEYERHAEUSER EVERETT WEST SITE
GROUNDWATER COMPLIANCE MONITORING
FEBRUARY 1997
SITE DESCRIPTION FILE

OWN_ADD	DRILLER	STA_DESC	LOC_METHD	LAT	LONG	STPCO_NOR
101 E Marine View Drive Everett Washington 98201			Clark M. Leeman Land Surveying, Various			373554
101 E Marine View Drive Everett Washington 98201			Clark M. Leeman Land Surveying, Various			373747
101 E Marine View Drive Everett Washington 98201			Clark M. Leeman Land Surveying, Various			373901
101 E Marine View Drive Everett Washington 98201			Clark M. Leeman Land Surveying, Various			373987
101 E Marine View Drive Everett Washington 98201			Clark M. Leeman Land Surveying, Various			374038
101 E Marine View Drive Everett Washington 98201			Clark M. Leeman Land Surveying, Various			373939
101 E Marine View Drive Everett Washington 98201			Clark M. Leeman Land Surveying, Various			372854

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WEYERHAEUSER EVERETT WEST SITE
GROUNDWATER COMPLIANCE MONITORING
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SITE DESCRIPTION FILE

STPCO_EAST	STPCO_ZONE	LAND_NET	UTM_NORT	UTM_EAST	UTM_ZON	MAP_NAME	BORE_DEP	WELL_DEP	WTR_ELEV1
1308299	N	SW1/4NW1/4T29NR5E				Marysville	15.00	15.00	3.93
1308193	N	SW1/4NW1/4T29NR5E				Marysville	15.00	15.00	6.26
1307959	N	SW1/4NW1/4T29NR5E				Marysville	10.00	10.00	5.25
1307726	N	SW1/4NW1/4T29NR5E				Marysville	10.00	10.00	6.55
1307514	N	SW1/4NW1/4T29NR5E				Marysville	10.00	10.00	7.29
1306923	N	SW1/4NW1/4T29NR5E				Marysville	11.50	10.00	6.19
1308027	N	SW1/4NW1/4T29NR5E				Marysville	9.00	8.00	8.21

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WEYERHAEUSER EVERETT WEST SITE
GROUNDWATER COMPLIANCE MONITORING
FEBRUARY 1997
SITE DESCRIPTION FILE

WLEV_DAT1	ELEV_UNITS	MEAS_ELEV	MEAS_DESC	DATUM	LEV_COMM	ALTITUDE
6/14/93	FEET	15.43	TOP OF WELL CASING	USC&G.S. BENCH MARK M-296, NGVD-1929		12.43
6/10/93	FEET	13.26	TOP OF WELL CASING	USC&G.S. BENCH MARK M-296, NGVD-1929		10.26
6/9/93	FEET	10.75	TOP OF WELL CASING	USC&G.S. BENCH MARK M-296, NGVD-1929		10.75
6/9/93	FEET	11.55	TOP OF WELL CASING	USC&G.S. BENCH MARK M-296, NGVD-1929		11.55
6/9/93	FEET	12.29	TOP OF WELL CASING	USC&G.S. BENCH MARK M-296, NGVD-1929		12.29
6/10/93	FEET	10.19	TOP OF WELL CASING	USC&G.S. BENCH MARK M-296, NGVD-1929		10.19
6/9/93	FEET	11.71	TOP OF WELL CASING	USC&G.S. BENCH MARK M-296, NGVD-1929		12.00

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WEYERHAEUSER EVERETT WEST SITE
GROUNDWATER COMPLIANCE MONITORING
FEBRUARY 1997
SITE DESCRIPTION FILE

DEPTOWTR1	CONST_DT	MOREINT	UP_DEPTH	LOW_DEPTH	DEPT_UNITS	CONST_COMM	MTD_CON	FILT_LEN	FILT_MAT
8.50		N	8	18			B	11.00	10-20 Colorado Silica Sand
4.00		N	6	18			B	13.00	10-20 Colorado Silica Sand
5.50		N	3	10			B	8.00	10-20 Colorado Silica Sand
5.00		N	3	10			B	8.00	10-20 Colorado Silica Sand
5.00		N	3	10			B	8.00	10-20 Colorado Silica Sand
4.00		N	3	10			B	8.00	10-20 Colorado Silica Sand
3.50		N	2	8			B	7.50	10-20 Colorado Silica Sand

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Diskette files in .dbf and .wk format

WEYERHAEUSER EVERETT WEST SITE
GROUNDWATER COMPLIANCE MONITORING
FEBRUARY 1997
SITE DESCRIPTION FILE

DIA_BOR	DIA_CAS	CAS_MAT	DIA_OPN	LEN_OPN	TYP_OPN	TYP_OMT	INT_COMM	LOG_AVAIL	TYP_LOG
8	2	P	2	10.00	P	P			
8	2	P	2	12.00	P	P			
8	2	P	2	7.00	P	P			
8	2	P	2	7.00	P	P			
8	2	P	2	7.00	P	P			
8	2	P	2	7.00	P	P			
8	2	P	2	6.00	P	P			

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Diskette files in .dbf and .wk format

WEYERHAEUSER EVERETT WEST SITE
GROUNDWATER COMPLIANCE MONITORING
FEBRUARY 1997
SITE DESCRIPTION FILE

LOG_DOC	OTHER_DOC
Compilation of Assessment Documents for Weyerhaeuser Everett West Site. Prepared for Weyerhaeuser Company by EMCON	
Compilation of Assessment Documents for Weyerhaeuser Everett West Site. Prepared for Weyerhaeuser Company by EMCON	
Compilation of Assessment Documents for Weyerhaeuser Everett West Site. Prepared for Weyerhaeuser Company by EMCON	
Compilation of Assessment Documents for Weyerhaeuser Everett West Site. Prepared for Weyerhaeuser Company by EMCON	
Compilation of Assessment Documents for Weyerhaeuser Everett West Site. Prepared for Weyerhaeuser Company by EMCON	
Compilation of Assessment Documents for Weyerhaeuser Everett West Site. Prepared for Weyerhaeuser Company by EMCON	
Compilation of Assessment Documents for Weyerhaeuser Everett West Site. Prepared for Weyerhaeuser Company by EMCON	

SITEDESC.XLS (print only)
Diskette files in .dbf and .wk format

WEYERHAEUSER EVERETT WEST SITE
GROUNDWATER COMPLIANCE MONITORING
FEBRUARY 1997
SITE DESCRIPTION FILE

LOG_LOC	AQUI_TEST	PUMP_DATA	ANDAT_AVAL	PROGRAM	GEN_COMM	HUCODE	AGN_USE
Ecology Northwest Regional Office			Y				
Ecology Northwest Regional Office			Y				
Ecology Northwest Regional Office			Y				
Ecology Northwest Regional Office			Y				
Ecology Northwest Regional Office			Y				
Ecology Northwest Regional Office			Y				
Ecology Northwest Regional Office			Y				

SITEDESC.XLS (print only)
Diskette files in .dbf and .wk format