Delta
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7150 SW Hampton • Suite 220
Tigard, Oregon 97223 USA

503.639.8098 800.477.7411
Fax 503.639.7619

July 19, 2005

Ms. Jennifer Bariska
Weyerhaeuser Company
33663 Weyerhaeuser Way South
Federal Way, WA 98003

Re: Supplemental ESA for Former Lumber Strapping Area and Former Dip Tank Area, Weyerhaeuser Cascade Lumber Mill, Snoqualmie, Washington Delta Project No. PT05-300-6

Dear Jennifer:

This letter presents the results of a supplemental environmental site assessment (ESA) completed by Delta Environmental Consultants (Delta) at the Weyerhaeuser Cascade Mill in Snoqualmie, Washington. The scope of the ESA was to collect supplemental soil and groundwater data in the following two areas of the mill site.

- Dip Tank Area 1 – Soil in the vicinity of Dip Tank Area 1 contained concentrations of Pentachlorophenol (PCP) above preliminary Federal regulatory standards for protection of groundwater (1.0 E-03 milligrams per kilogram (mg/kg), USEPA, 2004 Region 9 Preliminary Remediation Goals 2004 Update). Soil from boring S7.1-1 contained 6.5 mg/kg PCP (see Figure 1).
- Lumber Strapping Area - Soil in the vicinity of the lumber strapping area contained concentrations of diesel and oil above preliminary state cleanup standards described in this report (see Figures 2 and 3).

The goal was to collect sufficient data to define the extent of impacted groundwater in the dip tank area and provide a preliminary estimate of remedial excavation soil removal volumes in the Lumber Strapping area. The preliminary soil excavation volumes estimated in this document should be used for scoping remedial activities. Final soil excavation volumes will be determined during the remedial excavation activities.

The data summarized in this report should be used to supplement previous work summarized in Delta's *Level III Environmental Site Assessment* report dated December 15, 2004. All relevant data for the Snoqualmie site should be used to prepare and submit a No Further Action (NFA) request to the Washington Department of Ecology (Ecology).

DIP TANK AREA 1

Scope of Work

Work was completed on March 30 and March 31, 2005 consistent with the project scope of work described in the March 25, 2005 *Proposal for Additional ESA* and included the following:

- Advancing four borings using direct-push drilling methods. One boring was located near the former location of the former dip tank and the other three were located west, south and southwest of the former dip tank. The expected direction of groundwater flow was southwest.
- Installing and surveying four temporary piezometers. Top of each piezometer casing was surveyed relative to a temporary on-site datum.
- Collecting groundwater samples from temporary well screens installed in each soil boring.
- Calculating groundwater elevation relative to the temporary datum to determine the groundwater flow direction (hydraulic gradient).
- Analyzing groundwater samples for chlorinated phenolic compounds using EPA Method 8151M.
- Preparing this letter report summarizing the field data and analytical results.

Groundwater Flow Direction Results

Delta measured depth to groundwater in the four temporary piezometers (SB1-1 through SB-1-4) on March 31, 2005 (see Table 1). Correlation of depth to water measurements relative to the temporary on-site datum indicates the groundwater flow direction (hydraulic gradient) is southwest as predicted (see Figure 1). This result is consistent with previously measured groundwater flow direction at the site.

Groundwater Analytical Results

Groundwater samples were collected from the well screens in each temporary piezometer after purging using a dedicated bailer. Screened intervals in each piezometer straddled the first encountered groundwater (see Table 1 for depth to groundwater measurements).

Chlorophenolics were detected in groundwater from one (SB-1-4) of the four soil borings. Soil boring SB1-4 was located near the former dip tank. Groundwater

samples collected from the three other borings, which are located hydraulically downgradient of the former dip tank, did not contain detectable chlorophenolics.

Pentachlorophenol (PCP) and 2-3-4-6-tetrachlorophnol (TCP) were detected in the groundwater sample collected from SB1-4 at 1.1 micrograms per liter (µg/L) and 0.7 µg/L, respectively. The detected PCP concentration exceeds the preliminary Ecology Model Toxics Control Act (MTCA) Method B cleanup level of 0.729 µg/L. The TCP concentration of 0.7 µg/L is below the preliminary MTCA Method B cleanup level of 480 µg/L. MTCA Method B was chosen for the preliminary cleanup level because there is no MTCA Method A cleanup level for PCP. The groundwater results for Dip Tank Area 1 are summarized in Table 1 and shown on Figure 1. Copies of the laboratory reports are present in Attachment A. Boring logs are included as Attachment B.

The results indicate that PCP impacts to groundwater are localized near the location of the former dip tank and have not migrated downgradient to the other three borings.

LUMBER STRAPPING AREA

Scope of Work

Work was completed on March 30 and March 31, 2005, consistent with the project scope of work described in the March 25, 2005 *Proposal for Additional ESA* and included the following.

- Collecting soil (nine borings) and groundwater samples (three borings) from soil borings using direct push sampling methods. Depth discrete soil samples from each boring were collected for potential analytical testing. Sample collection depths were selected based on field evidence of petroleum impacts or soil immediately above the first encountered groundwater. Groundwater samples were collected from temporary well screens in three borings using a dedicated bailer. Sample nomenclature follows and builds on the work described in Delta's *Level III Environmental Site Assessment* report dated December 15, 2004 (e.g. SB5-9-4 represents area 5, boring 9, four feet below ground surface (bgs)).
- Analyzing select soil and groundwater samples for total petroleum hydrocarbons as diesel (TPH-D) and as oil (TPH-O) by test Method NWTPH-Dx with acid/silica gel cleanup.
- Preparing this letter report summarizing the data and estimating the remedial excavation volumes.

Soil Analytical Results

TPH-D was detected in one soil sample analyzed. The soil sample collected from boring SB5-12, at six feet bgs, contained 51 mg/kg TPH-D. TPH-D concentrations

were not detected at or above the laboratory method reporting limit in the remaining soil samples collected for analytical testing (see Table 2). TPH-O was detected in four of the 16 samples analyzed. Detected concentrations ranged from 160 mg/kg in boring SB5-12 (6 feet bgs) to 4,200 mg/kg in boring SB-10 (four feet bgs).

Analytical results suggest that TPH-impacted soils are localized to an approximate 65 foot by 40 foot area (see Figure 3).

Groundwater Analytical Results

Groundwater samples were collected from borings SB5-9, SB5-11 and SB5-17 located downgradient of the lumber strapping area. TPH-D was detected in the groundwater samples collected from SB5-11 and SB5-17 at concentrations of 770 µg/l and 250 µg/l, respectively. TPH-D was not detected in the groundwater sample collected from SB5-9. Groundwater from SB5-17 contained 490 µg/l TPH-O. TPH-O was not detected in the groundwater samples collected from SB5-9 and SB5-11 (see Table 3 and Figure 3). The data suggest that groundwater in this area is impacted with TPH-D and TPH-O.

Estimated Remedial Excavation Extent and Volumes

Delta estimates that approximately 770 cubic yards of soil will need to be excavated to remove the TPH-impacted soil which has impacted groundwater in the lumber strapping area. The estimate is based on the laboratory data, field screening observations and preliminary MTCA Method B cleanup levels for unrestricted land use (3,600 mg/kg diesel and 3,200 mg/kg heavy oil calculated by EMCON, Inc. for TPH impacts at the Snoqualmie Mill[1]). The EMCON calculated cleanup levels were used to estimate the general magnitude of remedial excavation activities for the lumber strapping area. Those values should be updated before initiating any remedial action. The estimated footprint for the proposed excavation is presented on Figure 3. The estimated depth of the excavation is anticipated to be eight feet bgs. Boring logs summarizing the field observations are included as Attachment B.

[1] EMCON, March 24, 1998, *Remedial Investigation Report, Former Underground Fuel Storage Tank and Aboveground Road Oil Storage Tank Areas, Weyerhaeuser Snoqualmie Mill*

Delta appreciates the opportunity to provide environmental services to Weyerhaeuser. If you have any questions or comments, please contact Tim Browning at (503) 639-8098.

Sincerely,
Delta Environmental Consultants, Inc.

Timothy Browning, RG
Project Manager

Attachments: Table 1 – Dip Tank Area Groundwater Analytical Results
Table 2 – Lumber Strap Area Soil Analytical Results
Table 3 – Lumber Strap Area Groundwater Analytical Results
Figure 1 – Dip Tank Area Boring Location and Groundwater Results Map
Figure 2 – Lumber Strap Area Site Map
Figure 3 – Lumber Strap Area Soil and Groundwater TPH Concentration Map
Attachment A – Laboratory Analytical Reports
Attachment B – Boring Logs

cc: John North, Delta Environmental Consultants

TABLE 1
DIP TANK AREA GROUNDWATER ANALYTICAL RESULTS
Weyerhaeuser Cascade Mill
Snoqualmie, Washington

Boring/ Sample I.D. (TOC Elevation, Feet)*	Sample Date	DTW** (feet)	Ground water Elevation (feet)	2,4-dichloro phenol (µg/l)	2,6-dichloro phenol (µg/l)	2,4,6-trichloro phenol (µg/l)	2,4,5-trichloro phenol (µg/l)	2,3,4,6-tetrachloro phenol (µg/l)	penta chloro phenol (µg/l)
SB1-1 (99.50)	30-Mar-05	2.90	96.60	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SB1-2 (99.72)	30-Mar-05	3.13	96.59	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SB1-3 (99.17)	30-Mar-05	2.52	96.65	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SB1-4 (99.98)	30-Mar-05	2.00	96.98	<0.5	<0.5	<0.5	<0.5	0.7	1.1
MTCA Method B Standard				480	na	7.95	1,600	480	0.729

Notes:
µg/l = micrograms per liter
TOC = Top of casing of temporary piezometers
DTW = Depth to water
*Spot Elevation TOC; based on datum of 100.00 feet
** DTW Measurement Date = 03/31/05
Phenolic Compounds - Analysis by EPA Method 8270 SIM

TABLE 2
LUMBER STRAP AREA SOIL ANALYTICAL RESULTS
Weyerhaeuser Cascade Mill
Snoqualmie, Washington

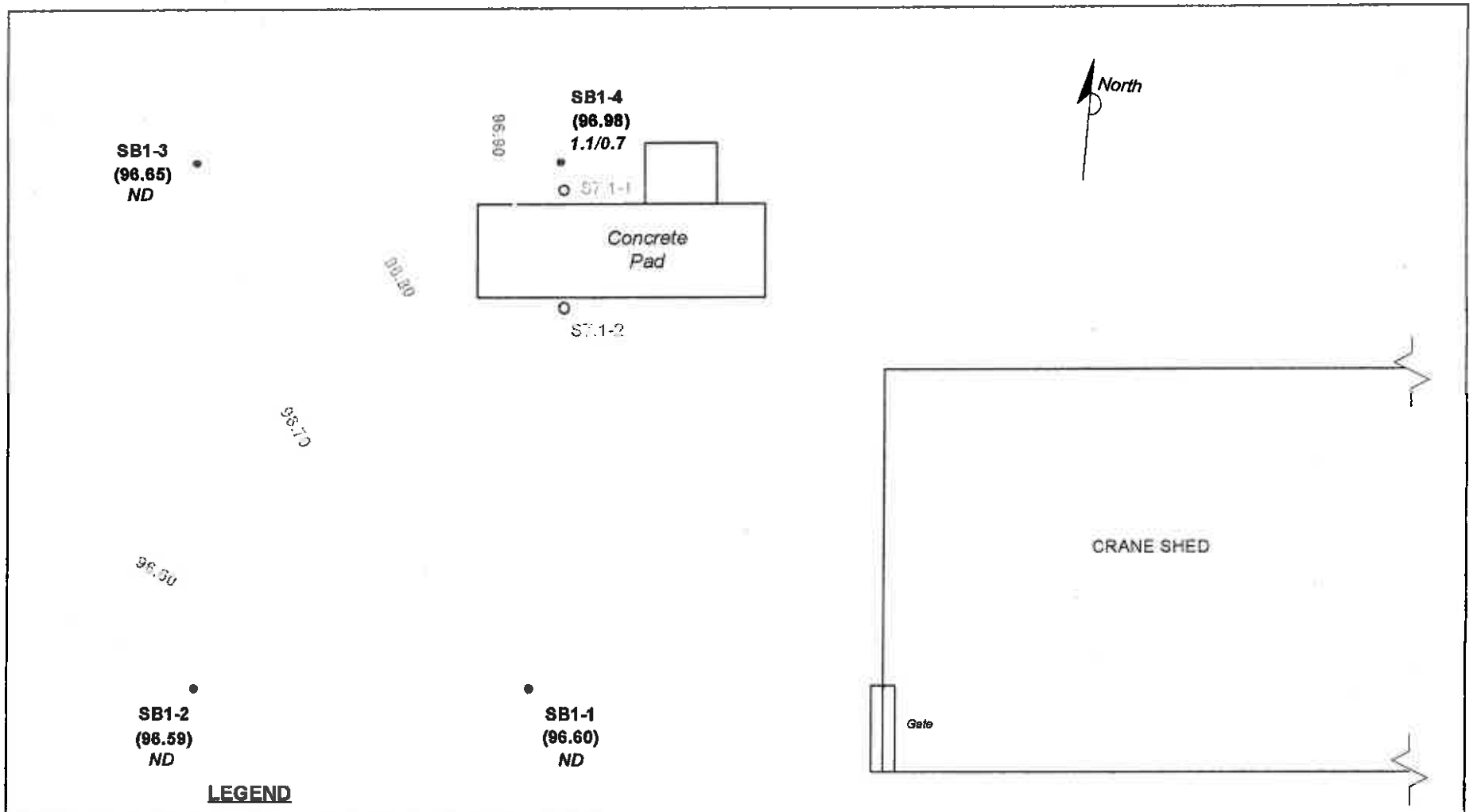
Sample I.D.	Sample Date	Sample Depth (feet)	TPH- Diesel (mg/kg)	TPH- Oil (mg/kg)
SB5-9-4	30-Mar-05	4	ND	ND
SB5-9-8	30-Mar-05	8	ND	ND
SB5-10-4	30-Mar-05	4	ND	4,200
SB5-10-10	30-Mar-05	10	ND	550
SB5-12-4	30-Mar-05	4	ND	790
SB5-12-6	30-Mar-05	6	51	160
SB5-13-4	30-Mar-05	4	ND	ND
SB5-13-8	30-Mar-05	8	ND	ND
SB5-14-4	30-Mar-05	4	ND	ND
SB5-14-8	31-Mar-05	8	ND	ND
SB5-15-4	30-Mar-05	4	ND	ND
SB5-15-6	30-Mar-05	6	ND	ND
SB5-16-4	30-Mar-05	4	ND	ND
SB5-16-8	30-Mar-05	8	ND	ND
SB5-17-4	30-Mar-05	4	ND	ND
SB5-17-8	30-Mar-05	8	ND	ND
Laboratory Reporting Limits			**25 - 67**	**50 - 130**
MTCA Method B Standards*			**3,600**	**3200**

Notes:
mg/kg = milligram per kilogram
ND - Not detected at or above the analytical laboratory Method Reporting Limit
TPH as Diesel - Analysis by Method NWTPH-Dx with acid /silica gel cleanup
TPH as Oil - Analysis by Method NWTPH-Dx with acid /silica gel cleanup
* Site specific cleanup MTCA B standard calculated by EMCON, 1998

TABLE 3
LUMBER STRAP AREA GROUNDWATER ANALYTICAL RESULTS
Weyerhaeuser Cascade Mill
Snoqualmie, Washington

Sample I.D.	Sample Date	TPH- Diesel (µg/l)	TPH- Oil (µg/l)
SB5-9	30-Mar-05	ND	ND
SB5-11	30-Mar-05	770	ND
SB5-17	31-Mar-05	250	490
Laboratory Reporting Limits		**130**	**250**
MTCA Method A Standards		**500**	**500**

Notes:
µg/l = micrograms per liter
ND - Not detected at or above the analytical laboratory Method Reporting Limit
TPH as Diesel - Analysis by Method NWTPH-Dx with acid /silica gel cleanup
TPH as Oil - Analysis by Method NWTPH-Dx with acid /silica gel cleanup



LEGEND

SB1-2	•	Soil Boring and Piezometer Installed by Delta, March 2005
ST1-2	o	Soil Boring Installed by Delta, April 2004
(96.65)		Relative Groundwater Elevation, March 31, 2005
96.70		Inferred Groundwater Elevation Contour, March 31, 2005
1.1/0.7		Dissolved Pentachlorophenol/ 2,3,4,6 Tetrachlorophenol Concentrations in Groundwater, µg/L, sampled on March 30, 2005
ND		Phenolic Compounds Not Detected in Groundwater, sampled on March 30, 2005

0 30 FT

APPROX. SCALE

FIGURE 1

DIP TANK AREA

BORING LOCATION AND GROUNDWATER RESULTS MAP

Weyerhaeuser Cascade Lumber Mill
Snoqualmie, Washington

PROJECT NO. PT05-300-6	DRAWN BY OP 5/06/05
FILE NO.	PREPARED BY OP
	REVIEWED BY BP

Delta Environmental Consultants, Inc.

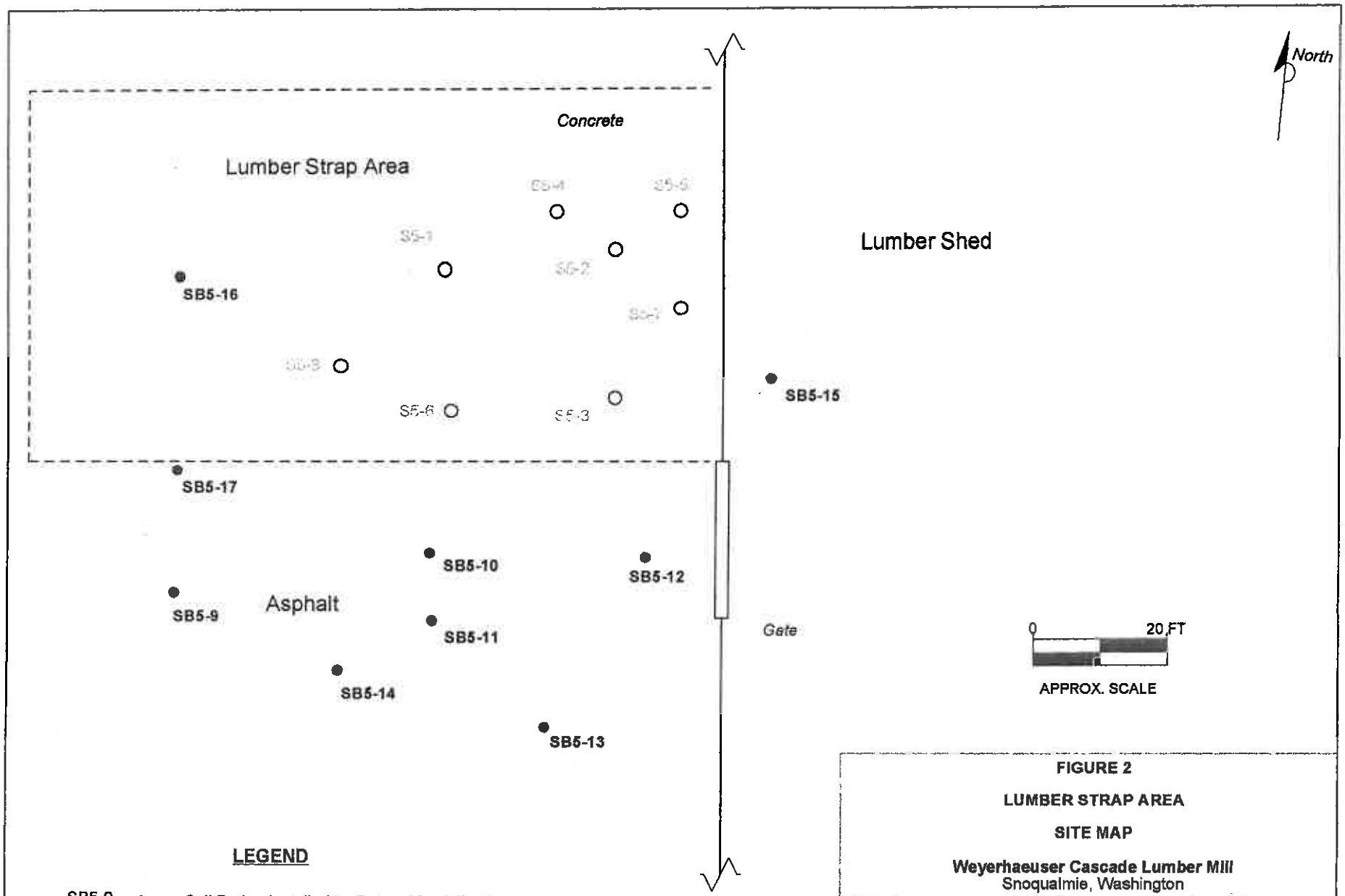


FIGURE 2

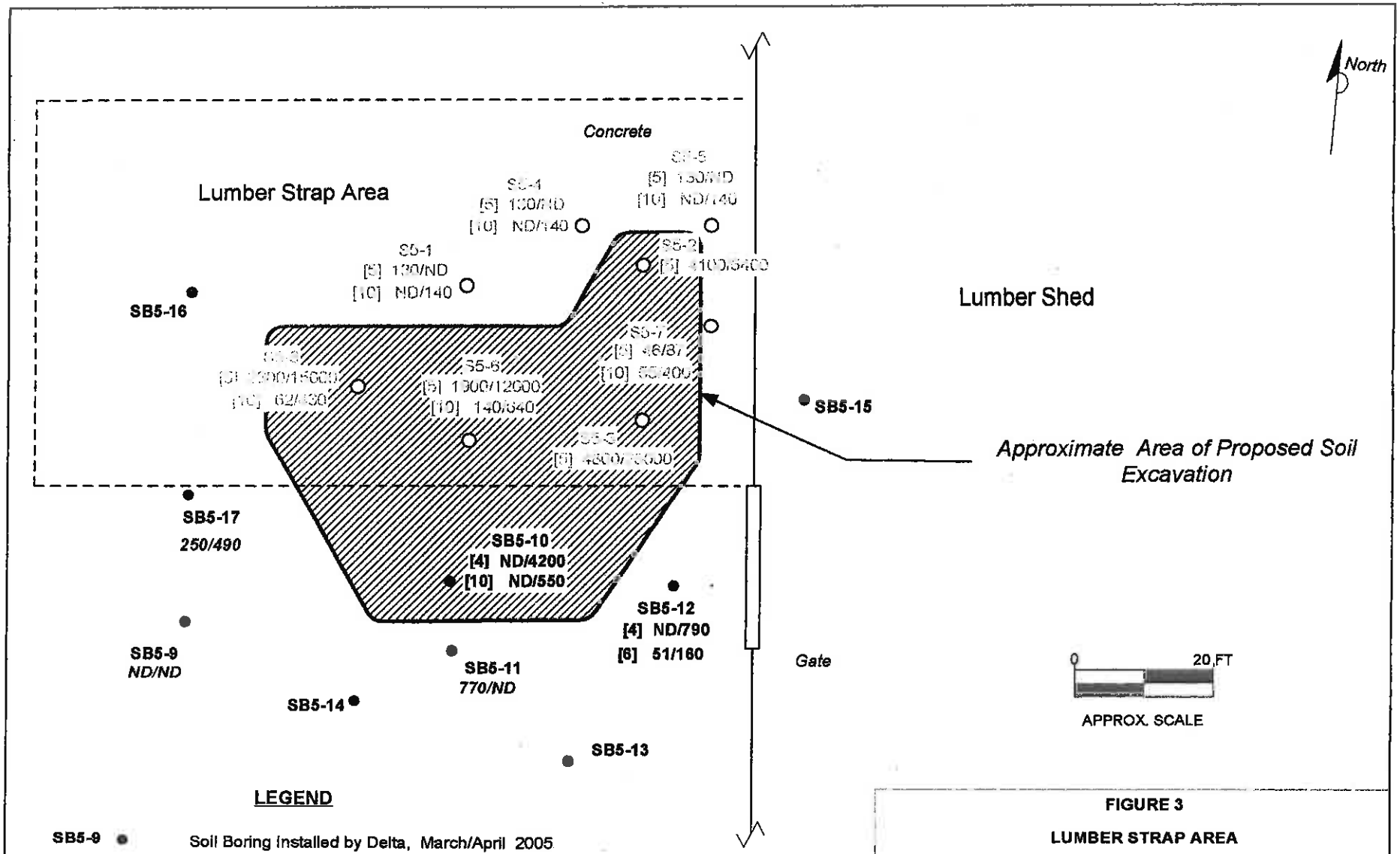
LUMBER STRAP AREA

SITE MAP

Weyerhaeuser Cascade Lumber Mill
Snoqualmie, Washington

PROJECT NO. PT05-300-6	DRAWN BY OP 4/08/05
FILE NO.	PREPARED BY OP
REVISION NO.	REVIEWED BY BP

Delta
Environmental Consultants, Inc.



LEGEND

SB5-9 ●	Soil Boring Installed by Delta, March/April 2005
○	Soil Boring Installed by Delta, April 2004 and TPH Concentration in soil
[4] ND/4200	[Sample Depth] TPH-Diesel/ Heavy Oil Concentrations in Soil, mg/kg
770/ND	TPH-Diesel/ Heavy Oil Concentrations in Groundwater, ug/L, sampled on March 30 and March 31, 2005

FIGURE 3

LUMBER STRAP AREA

SOIL AND GROUNDWATER TPH CONCENTRATION MAP

Weyerhaeuser Cascade Lumber Mill
Snoqualmie, Washington

PROJECT NO. PT05-300-6	DRAWN BY OP 4/08/05
FILE NO.	PREPARED BY OP
REVISION NO.	REVIEWED BY BP

Delta Environmental Consultants, Inc.

ATTACHMENT A

LABORATORY ANALYTICAL REPORTS

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/11/05
CCIL JOB #: 503183
CCIL SAMPLE #: 1
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB1-1 3/30/05 8:10

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
2,4-DICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,6-DICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,4,6-TRICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,4,5-TRICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,3,4,6-TETRACHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
PENTACHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive • Everett, WA 98208 • 425 356-2600 • FAX 425 356-2626 • Seattle 206 292-9059

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LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/11/05
CCIL JOB #: 503183
CCIL SAMPLE #: 2
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB1-2 3/30/05 8:30

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
2,4-DICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,6-DICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,4,6-TRICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,4,5-TRICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,3,4,6-TETRACHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
PENTACHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

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17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/11/05
CCIL JOB #: 503183
CCIL SAMPLE #: 3
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB1-3 3/30/05 9:00

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
2,4-DICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,6-DICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,4,6-TRICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,4,5-TRICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,3,4,6-TETRACHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
PENTACHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/11/05
CCIL JOB #: 503183
CCIL SAMPLE #: 4
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB1-4 3/30/05 9:30

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
2,4-DICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,6-DICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,4,6-TRICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,4,5-TRICHLOROPHENOL	EPA-8270 SIM	ND(<0.5)	UG/L	4/7/05	CCN
2,3,4,6-TETRACHLOROPHENOL	EPA-8270 SIM	0.7	UG/L	4/7/05	CCN
PENTACHLOROPHENOL	EPA-8270 SIM	1.1	UG/L	4/7/05	CCN

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/7/05
CCIL JOB #: 503183
CCIL SAMPLE #: 5
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-9 3/30/05 11:20

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX W/CLEANUP	ND	UG/L	4/1/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX W/CLEANUP	ND	UG/L	4/1/05	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 130 UG/L
LUBE OIL RANGE REPORTING LIMIT IS 250 UG/L

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/7/05
CCIL JOB #: 503183
CCIL SAMPLE #: 6
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-9-4 3/30/05 11:00

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX	ND	MG/KG	3/31/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX	ND	MG/KG	3/31/05	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/7/05
CCIL JOB #: 503183
CCIL SAMPLE #: 7
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-9-8 3/30/05 11:10

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	4/1/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	4/1/05	DLC

NOTE: NWTPH-DX REPORTING LIMITS RAISED DUE TO LOW SAMPLE DRY WEIGHT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 33 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 65 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

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LABORATORIES, INC.

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CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/7/05
CCIL JOB #: 503183
CCIL SAMPLE #: 8
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-10-4 3/30/05 11:30

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX	ND	MG/KG	4/6/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX	4200	MG/KG	4/6/05	DLC

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY LUBE OIL AND LIGHT OIL

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 130 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 250 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive • Everett, WA 98208 • 425 356-2600 • FAX 425 356-2626 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/7/05
CCIL JOB #: 503183
CCIL SAMPLE #: 9
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-10-10 3/30/05 11:40

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX	ND	MG/KG	4/5/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX	550	MG/KG	4/5/05	DLC

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY LUBE OIL AND LIGHT OIL

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/7/05
CCIL JOB #: 503183
CCIL SAMPLE #: 11
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-11 3/30/05 13:10

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX W/CLEANUP	770	UG/L	4/1/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX W/CLEANUP	ND	UG/L	4/1/05	DLC

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS UNIDENTIFIED DIESLRANGE PRODUCT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 130 UG/L
LUBE OIL RANGE REPORTING LIMIT IS 250 UG/L

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/7/05
CCIL JOB #: 503183
CCIL SAMPLE #: 12
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-12-4 3/30/05 13:20

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX	ND	MG/KG	4/5/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX	790	MG/KG	4/5/05	DLC

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY LIGHT OIL AND LUBE OIL

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/7/05
CCIL JOB #: 503183
CCIL SAMPLE #: 13
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-12-6 3/30/05 13:30

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX	51	MG/KG	3/31/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX	160	MG/KG	3/31/05	DLC

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS UNIDENTIFIED LATE DIESEL/LUBE OIL RANGE PRODUCT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/7/05
CCIL JOB #: 503183
CCIL SAMPLE #: 14
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-13-4 3/30/05 13:40

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX	ND	MG/KG	4/5/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX	ND	MG/KG	4/5/05	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/7/05
CCIL JOB #: 503183
CCIL SAMPLE #: 15
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-13-8 3/30/05 13:50

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	4/5/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	4/5/05	DLC

NOTE: NWTPH-DX REPORTING LIMITS RAISED DUE TO LOW SAMPLE DRY WEIGHT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 45 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 90 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/7/05
CCIL JOB #: 503183
CCIL SAMPLE #: 16
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-14-4 3/30/05 14:00

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	3/31/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	3/31/05	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/7/05
CCIL JOB #: 503183
CCIL SAMPLE #: 17
DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-14-8 3/30/05 14:10

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	3/31/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	3/31/05	DLC

NOTE: NWTPH-DX REPORTING LIMITS RAISED DUE TO LOW SAMPLE DRY WEIGHT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 40 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 80 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/11/05
CCIL JOB #: 503183

DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	ANALYTE	SUR ID	% RECV
503183-01	EPA-8270 SIM	2,4,6-TRIBROMOPHENOL	68
503183-02	EPA-8270 SIM	2,4,6-TRIBROMOPHENOL	63
503183-03	EPA-8270 SIM	2,4,6-TRIBROMOPHENOL	59
503183-04	EPA-8270 SIM	2,4,6-TRIBROMOPHENOL	46
503183-05	NWTPH-DX	C25	93
503183-06	NWTPH-DX	C25	81
503183-07	NWTPH-DX W/CLEANUP	C25	84
503183-08	NWTPH-DX	C25	110
503183-09	NWTPH-DX	C25	111
503183-11	NWTPH-DX W/CLEANUP	C25	104
503183-12	NWTPH-DX	C25	98
503183-13	NWTPH-DX	C25	107
503183-14	NWTPH-DX	C25	76
503183-15	NWTPH-DX W/CLEANUP	C25	105
503183-16	NWTPH-DX W/CLEANUP	C25	92
503183-17	NWTPH-DX W/CLEANUP	C25	107

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/11/05
CCIL JOB #: 503183

DATE RECEIVED: 3/30/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6

QUALITY CONTROL RESULTS

BLANK AND DUPLICATE RESULTS

METHOD	BLK RESULT	ASSOC SMPLS
NWTPH-DX (DSL)	ND(<130)	503183-05, 11
NWTPH-DX (OIL)	ND(<250)	503183-05, 11
NWTPH-DX (DSL)	ND(<25)	503183-06, 07, 13, 16, 17
NWTPH-DX (OIL)	ND(<50)	503183-06, 07, 13, 16, 17
NWTPH-DX (DSL)	ND(<25)	503183-08, 09, 12, 14, 15
NWTPH-DX (OIL)	ND(<50)	503183-08, 09, 12, 14, 15
EPA-8270 SIM (2,4-DICHLOROPHENOL)	ND(<0.5)	503183-01 TO 04
EPA-8270 SIM (2,6-DICHLOROPHENOL)	ND(<0.5)	503183-01 TO 04
EPA-8270 SIM (2,4,6-TRICHLOROPHENOL)	ND(<0.5)	503183-01 TO 04
EPA-8270 SIM (2,4,5-TRICHLOROPHENOL)	ND(<0.5)	503183-01 TO 04
EPA-8270 SIM (2,3,4,6-TETRACHLOROPHENOL)	ND(<0.5)	503183-01 TO 04
EPA-8270 SIM (PENTACHLOROPHENOL)	ND(<0.5)	503183-01 TO 04

SPIKE/ SPIKE DUPLICATE RESULTS

METHOD	SPIKE ID	ASSOCIATED SAMPLES	% SPIKE RECOVERY	% SPIKE DUP RECOVERY	REL % DIFF
NWTPH-DX	DIESEL	503183-05, 11	82	87	6
NWTPH-DX	DIESEL	503183-06, 07, 13, 16, 17	97	100	3
NWTPH-DX	DIESEL	503183-08, 09, 12, 14, 15	94	99	5
EPA-8270 SIM	PENTACHLOROPHENOL	503183-01 TO 04	89	79	12

APPROVED BY:

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Everett, WA 98208
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(206) 292-9059 Seattle
(425) 356-2626 Fax
http://www.ccilabs.com

Chain of Custody/ Laboratory Analysis Request

503183

Date 03/30/05 Page 1 Of 2

PROJECT ID: PT-05-300-6 Dip Tank Strap
REPORT TO COMPANY: Delta
PROJECT MANAGER: Tim Browning
ADDRESS: 17420 NE 65th St., #201
PHONE: 558-0134 FAX: 869-7494
P.O. NUMBER: E-MAIL:
INVOICE TO COMPANY: Delta /c. Weyerhaeuser
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX ext.	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	Ethylene dibromide (EDB) by EPA-8260 ☐ EPA-504.1 ☐	1,2 Dichloroethene (EDC) by EPA-8260	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify) Phenols	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. SB1-1	03-30-05	8:10	Water	1																X		
2. SB1-2	↓	8:30	↓	2																↓		
3. SB1-3		9:00		3																		
4. SB1-4		9:30	↓	4																↓		
5. SB5-9		11:20	water	5		X																
6. SB5-9-4		11:00	soil	6		↓																
7. SB5-9-8		11:10	soil	7																		
8. SB5-10-4		11:30	soil	8														place on hold Add pr 01				
9. SB5-10-10		11:40	soil	9														place on hold Add pr 01				
10. SB5-11-8	↓	12:20	soil	10		↓												place on hold				

RNO

LABORATORY COPY

SPECIAL INSTRUCTIONS O = Add pr Olgs 4/4/05

CCI Analytical Laboratories, Inc accepts and processes this request on the terms and conditions set forth on the reverse side. By its signature hereon, Customer accepts these terms and conditions.

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: _____
   Received By: _____ CCIAL 3/30/05 1440
2. Relinquished By: _____
   Received By: _____

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: ☒ 10 Standard ☐ 5 ☐ 3 ☐ 2 ☐ 1 ☐ SAME DAY

Fuels & Hydrocarbon Analysis: ☒ 5 Standard ☐ 3 ☐ 1 ☐ SAME DAY

OTHER:
Specify: _____

Turnaround Request (Standard or Rush)

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Everett, WA 98208
Phone (425) 356-2600
(206) 292-9059 Seattle
(425) 356-2626 Fax
http://www.ccilabs.com

Chain of Custody/ Laboratory Analysis Request

(Laboratory Use Only)

503163

Date 03/30/05 Page 1 Of 2

PROJECT ID: PT-05-300-6 Strap
REPORT TO COMPANY: Delta
PROJECT MANAGER: Tim Browning
ADDRESS: 17720 NE 65th St., #201
PHONE: 558-0134 FAX: 869-7494
P.O. NUMBER: E-MAIL:
INVOICE TO COMPANY: Delta / c. Weyerhaeuser
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

OTHER (Specify)

SAMPLE I.D.	DATE	TIME	TYPE	LAB#
1. SB5-11	03/30/05	13:10	water	11
2. SB5-12-4		13:20	soil	12
3. SB5-12-6		13:30		13
4. SB5-13-4		13:40		14
5. SB5-13-8		13:50		15
6. SB5-14-4		14:00		16
7. SB5-14-8		14:10		17
8.				
9.				
10.				

	NWTPH-HCID	NWTPH-DX	NWTPH-~~Gx~~ DX ext.	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	Ethylene dibromide (EDB) by EPA-8260 ☐ EPA-504.1 ☐	1,2 Dichloroethene (EDC) by EPA-8260	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1.			X															
2.			~~X~~									place on hold. Add pr Olga						
3.																		
4.			~~X~~									place on hold. Add pr Olga						
5.			~~X~~									place on hold. Add pr Olga						
6.																		
7.																		
8.																		
9.																		
10.																		

SPECIAL INSTRUCTIONS Change Gx to Dx pr Olga 3/30/05 8:30 RB / O add pr Olga 4/4/05

CCI Analytical Laboratories, Inc accepts and processes this request on the terms and conditions set forth on the reverse side. By its signature hereon, Customer accepts these terms and conditions.

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: _____
Received By: _____ CCIAL 3/30/05 14:40
2. Relinquished By: _____
Received By: _____

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis
10 (Standard) | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis
5 (Standard)* | 3 | 1 | SAME DAY

OTHER:
Specify: _____

narour. st less Idard n Rush

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/4/05
CCIL JOB #: 503193
CCIL SAMPLE #: 1
DATE RECEIVED: 3/31/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-17 3/31/05 9:20

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX	250	UG/L	4/1/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX	490	UG/L	4/1/05	DLC

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS LATE DIESEL/LUBE OIL RANGE PRODUCT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 130 UG/L
LUBE OIL RANGE REPORTING LIMIT IS 250 UG/L

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/4/05
CCIL JOB #: 503193
CCIL SAMPLE #: 2
DATE RECEIVED: 3/31/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-15-4 3/31/05 8:05

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX	ND	MG/KG	4/1/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX	ND	MG/KG	4/1/05	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/4/05
CCIL JOB #: 503193
CCIL SAMPLE #: 3
DATE RECEIVED: 3/31/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-15-6 3/31/05 8:10

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	4/1/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	4/1/05	DLC

NOTE: NWTPH-DX REPORTING LIMITS RAISED DUE TO LOW SAMPLE DRY WEIGHT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 29 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 57 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive • Everett, WA 98208 • 425 356-2600 • FAX 425 356-2626 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/4/05
CCIL JOB #: 503193
CCIL SAMPLE #: 4
DATE RECEIVED: 3/31/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-16-4 3/31/05 8:40

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	4/1/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	4/1/05	DLC

NOTE: NWTPH-DX REPORTING LIMITS RAISED DUE TO LOW SAMPLE DRY WEIGHT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 67 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 130 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

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CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/4/05
CCIL JOB #: 503193
CCIL SAMPLE #: 5
DATE RECEIVED: 3/31/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-16-8 3/31/05 8:45

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	4/1/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	4/1/05	DLC

NOTE: NWTPH-DX REPORTING LIMITS RAISED DUE TO LOW SAMPLE DRY WEIGHT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 58 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 120 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/4/05
CCIL JOB #: 503193
CCIL SAMPLE #: 6
DATE RECEIVED: 3/31/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-17-4 3/31/05 9:00

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX	ND	MG/KG	4/1/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX	ND	MG/KG	4/1/05	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

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CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/4/05
CCIL JOB #: 503193
CCIL SAMPLE #: 7
DATE RECEIVED: 3/31/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6
CLIENT SAMPLE ID: SB5-17-8 3/31/05 9:10

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-DIESEL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	4/1/05	DLC
TPH-LUBE OIL RANGE	NWTPH-DX W/CLEANUP	ND	MG/KG	4/1/05	DLC

NOTE: NWTPH-DX REPORTING LIMITS RAISED DUE TO LOW SAMPLE DRY WEIGHT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 38 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 77 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

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CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: DELTA ENVIRONMENTAL CONSULTANTS, INC.
17720 NE 65TH #201
REDMOND, WA 98052

DATE: 4/4/05
CCIL JOB #: 503193
DATE RECEIVED: 3/31/05
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TIM BROWNING

CLIENT PROJECT ID: PT-05-300-6

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	ANALYTE	SUR ID	% RECV
503193-01	NWTPH-DX	C25	95
503193-02	NWTPH-DX	C25	57
503193-03	NWTPH-DX W/CLEANUP	C25	68
503193-04	NWTPH-DX W/CLEANUP	C25	81
503193-05	NWTPH-DX W/CLEANUP	C25	81
503193-06	NWTPH-DX	C25	83
503193-07	NWTPH-DX W/CLEANUP	C25	80

BLANK AND DUPLICATE RESULTS

METHOD	BLK RESULT	ASSOC SMPLS
NWTPH-DX (DSL)	ND(<130)	503193-01
NWTPH-DX (OIL)	ND(<250)	503193-01
NWTPH-DX (DSL)	ND(<25)	503193-02 TO 07
NWTPH-DX (OIL)	ND(<50)	503193-02 TO 07

SPIKE/ SPIKE DUPLICATE RESULTS

METHOD	SPIKE ID	ASSOCIATED SAMPLES	% SPIKE RECOVERY	% SPIKE DUP RECOVERY	REL % DIFF
NWTPH-DX	DIESEL	503193-01	82	87	6
NWTPH-DX	DIESEL	503193-02 TO 07	97	100	3

APPROVED BY:

8620 Holly Drive • Everett, WA 98208 • 425 356-2600 • FAX 425 356-2626 • Seattle 206 292-9059

Everett, WA 98208
Phone (425) 356-2600
(206) 292-9059 Seattle
(425) 356-2626 Fax
http://www.ccilabs.com

Laboratory Analysis Request

S03193

Date 03/31/05 Page 1 Of 1

PROJECT ID: PT-05-300-6 Strap
REPORT TO COMPANY: Delta
PROJECT MANAGER: Tim Browning
ADDRESS: 17720 NE 65th St, #201
PHONE: 558-0134 FAX:
P.O. NUMBER: E-MAIL:
INVOICE TO COMPANY: Delta / c/o Weyerhaeuser
ATTENTION:
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX ext.	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	Ethylene dibromide (EDB) by EPA-8260 ☐ EPA-504.1 ☐	1,2 Dichloroethene (EDC) by EPA-8260	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. SB5-17	03/31/05	9:20	W	1		X																
2. SB5-15-4	03/31/05	8:05	Soil	2																		
3. SB5-15-6		8:10		3																		
4. SB5-16-4		8:40		4		O									place on hold				Add per Olga 4/4/05			
5. SB5-16-8		8:45		5		O									place on hold							
6. SB5-17-4		9:00		6																		
7. SBB-17-8		9:10		7																		
8.																						
9.																						
10.																						

LABORATORY COPY

SPECIAL INSTRUCTIONS O = Add'l per Olga 4/4/05

CCI Analytical Laboratories, Inc accepts and processes this request on the terms and conditions set forth on the reverse side. By its signature hereon, Customer accepts these terms and conditions.

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: _____
Received By: _____ CCIAL 3/3/05 2:35
2. Relinquished By: _____
Received By: _____

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 Standard | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | 1 | SAME DAY

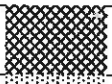
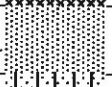
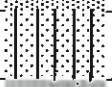
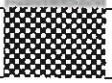
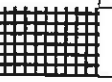
OTHER:
Specify: _____

* Turnaround request less than standard may incur Rush Charges

ATTACHMENT B

BORING LOGS

SOIL CLASSIFICATION GRAPHIC SYMBOLS

MAJOR DIVISIONS	SYMBOLS		TYPICAL SOIL DESCRIPTIONS
GRAVELS	GW		Well graded gravels or gravel-sand mixtures, little or no fines
	GP		Poorly graded gravels or gravel-sand mixtures, little or no fines
	GM		Silty gravels, gravel-sand-silt mixtures
	GC		Clayey gravels, gravel-sand-clay mixtures
SANDS	SW		Well graded sands or gravelly sands, little or no fines
	SP		Poorly graded sands or gravelly sands, little or no fines
	SM		Silty sands, sand-silt mixtures
	SC/SM		Clayey sands with a touch of gravel
	SC		Clayey sands, sand-clay mixtures
SILTS & CLAYS LL<50	ML		Inorganic silts and very fine sands, rock flour, silty or clayey sands or clayey silts with slight plasticity
	CL		Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
	OL		Organic silts and organic silty clays of low plasticity
SILTS & CLAYS LL>50	MH		Inorganic silts, micaceous or diatomaceous fine sandy or silty soils elastic silts
	CH		Inorganic clays of high plasticity, fat clays
	OH		Organic clays of medium to high plasticity, organic silty clays, organic silts
HIGHLY ORGANIC SOILS	PT		Peat and other highly organic soils
FILL MATERIAL	FILL		
	ASPHALT		

Delta

Environmental Consultants, Inc.

PROJECT NO:	PT05-300-5	CLIENT:	Weyerhaeuser	BORING/WELL NO:	SB1-1
LOGGED BY:	Olga Popova	LOCATION:	7001, 396 th Dr, SE, Snoqualmie, WA	PAGE	1 OF 1
DRILLER:	Cascade	DATE DRILLED:	3/30/2005	Location Map	
DRILLING METHOD:	Geoprobe	HOLE DIAMETER:	2"		
SAMPLING METHOD:	Macrocore	HOLE DEPTH:	8'		
CASING TYPE:	N/A	WELL DIAMETER:	N/A		
SLOT SIZE:	N/A	WELL DEPTH:	N/A		
GRAVEL PACK:	N/A	CASING STICKUP:	N/A		
ELEVATION		NORTHING		EASTING	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
BENTONITE CHIPS									Hand auger 0-3'
					1				
					2			GM	Silty GRAVEL with sand, gray, loose, moist [fill]
					3				
		Mst	0.0		4			SW	Gravelly SAND, gray, trace fines, 30% gravel, loose, wet
	▽ 4.5'bgs				5			CL	Silty CLAY, grayish brown, trace sand, 20-30% silt, silt content increasing with depth, wood debris in the top, stiff, plastic, wet
					6				
					7				
		Wet	0.0		8				**Bottom of Boring at 8 feet bgs**
					9				
					10				Note: Temporary piezometer was installed on 3/30/2005, screen interval 1 to 8 feet bgs
					11				
					12				
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				

Delta

Environmental Consultants, Inc.

PROJECT NO:	PT05-300-5	CLIENT:	Weyerhaeuser	BORING/WELL NO:	SB1-2
LOGGED BY:	Olga Popova	LOCATION:	7001, 396 th Dr, SE, Snoqualmie, WA	PAGE	1 OF 1
DRILLER:	Cascade	DATE DRILLED:	3/30/2005	Location Map	
DRILLING METHOD:	Geoprobe	HOLE DIAMETER:	2"		
SAMPLING METHOD:	Macrocore	HOLE DEPTH:	8'		
CASING TYPE:	N/A	WELL DIAMETER:	N/A		
SLOT SIZE:	N/A	WELL DEPTH:	N/A		
GRAVEL PACK:	N/A	CASING STICKUP:	N/A		
ELEVATION		NORTHING		EASTING	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery / Interval	Soil Type	LITHOLOGY / DESCRIPTION
BENTONITE CHIPS								Hand auger 0-3'
					1			
					2		GM	Silty GRAVEL with sand, yellowish gray, loose, moist [fill]
					3		SP	Clayey SAND, greenish gray, fine grained sand, 30-40% fines, medium dense, wet
		Mst	0.0		4		ML	Clayey SILT, light yellowish brown, scattered orange staining, 10-20% very fine grained sand, 30% clay, trace wood debris in the top, medium stiff, plastic, wet
	▽ 4.5'bgs				5			
					6			
					7			
		Wet	0.0		8			**Bottom of Boring at 8 feet bgs**
					9			
					10			Note: Temporary piezometer was installed on 3/30/2005, screen interval 1 to 8 feet bgs
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			
					20			
					21			
					22			

Delta

Environmental Consultants, Inc.

PROJECT NO:	PT05-300-5	CLIENT:	Weyerhaeuser	BORING/WELL NO:	SB1-3
LOGGED BY:	Olga Popova	LOCATION:	7001, 396 th Dr, SE, Snoqualmie, WA	PAGE	1 OF 1
DRILLER:	Cascade	DATE DRILLED:	3/30/2005	Location Map	
DRILLING METHOD:	Geoprobe	HOLE DIAMETER:	2"		
SAMPLING METHOD:	Macrocore	HOLE DEPTH:	8'		
CASING TYPE:	N/A	WELL DIAMETER:	N/A		
SLOT SIZE:	N/A	WELL DEPTH:	N/A		
GRAVEL PACK:	N/A	CASING STICKUP:	N/A		
ELEVATION		NORTHING		EASTING	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
BENTONITE CHIPS									Hand auger 0-3'
					1				
					2			GM	Silty GRAVEL with sand, gray, loose, moist [fill]
		Mst/			3				
	▽ 4.0'bgs	Wet	0.0		4				
					5			ML	Clayey SILT with sand, light yellowish brown, scattered orange staining, 10-20% very fine grained sand, 25% clay, medium stiff, plastic, wet
					6				
					7				
		Wet	0.0		8				**Bottom of Boring at 8 feet bgs**
					9				
					10				Note: Temporary piezometer was installed on 3/30/2005, screen interval 1 to 8 feet bgs
					11				
					12				
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				

Delta

Environmental Consultants, Inc.

PROJECT NO:	PT05-300-5	CLIENT:	Weyerhaeuser	BORING/WELL NO:	SB1-4
LOGGED BY:	Olga Popova	LOCATION:	7001, 396 th Dr, SE, Snoqualmie, WA	PAGE	1 OF 1
DRILLER:	Cascade	DATE DRILLED:	3/30/2005	Location Map	
DRILLING METHOD:	Geoprobe	HOLE DIAMETER:	2"		
SAMPLING METHOD:	Macrocore	HOLE DEPTH:	8'		
CASING TYPE:	N/A	WELL DIAMETER:	N/A		
SLOT SIZE:	N/A	WELL DEPTH:	N/A		
GRAVEL PACK:	N/A	CASING STICKUP:	N/A		
ELEVATION		NORTHING		EASTING	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
BENTONITE CHIPS									Hand auger 0-3'
					1				
					2			GM	Silty GRAVEL with sand, gray, loose, moist [fill]
					3				
	▽ 4.0'bgs	Mst/ Wet	0.0		4			ML	Clayey SILT, light brown, scattered orange staining, disseminated bands of gray color and same lithology, 7mm thick, 30% clay, trace very fine grained sand, medium stiff, plastic, moist to wet
					5				
					6				
					7				
		Wet	0.0		8				**Bottom of Boring at 8 feet bgs**
					9				
					10				Note: Temporary piezometer was installed on 3/30/2005, screen interval 1 to 8 feet bgs
					11				
					12				
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				

Delta
Environmental Consultants, Inc.

PROJECT NO:	PT05-300-6	CLIENT:	Weyerhaeuser	BORING/WELL NO:	SB5-9
LOGGED BY:	Olga Popova	LOCATION:	7001, 396 th Dr, SE, Snoqualmie, WA	PAGE	1 OF 1
DRILLER:	Cascade	DATE DRILLED:	3/30/2005	Location Map	
DRILLING METHOD:	Geoprobe	HOLE DIAMETER:	2"		
SAMPLING METHOD:	Macrocore	HOLE DEPTH:	8'		
CASING TYPE:	N/A	WELL DIAMETER:	N/A		
SLOT SIZE:	N/A	WELL DEPTH:	N/A		
GRAVEL PACK:	N/A	CASING STICKUP:	N/A		
ELEVATION		NORTHING		EASTING	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
BENTONITE CHIPS									Hand auger 0-3'
					1				
					2			GP	Sandy GRAVEL, gray, trace silt, loose, moist to wet [fill]
	▽ 3.0'bgs	Mst/ Wet	2.8		3				
					4				
					5				
					6			CL	Silty CLAY, grayish brown, trace silt, scattered wood debris in the top, stiff, plastic, wet
		Wet	2.2		7				
					8				**Bottom of Boring at 8 feet bgs**
					9				
					10				
					11				
					12				
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				

Delta
Environmental Consultants, Inc.

PROJECT NO:	PT05-300-6	CLIENT:	Weyerhaeuser	BORING/WELL NO:	SB5-10
LOGGED BY:	Olga Popova	LOCATION:	7001, 396 th Dr, SE, Snoqualmie, WA	PAGE	1 OF 1
DRILLER:	Cascade	DATE DRILLED:	3/30/2005	Location Map	
DRILLING METHOD:	Geoprobe	HOLE DIAMETER:	2"		
SAMPLING METHOD:	Macrocore	HOLE DEPTH:	12'		
CASING TYPE:	N/A	WELL DIAMETER:	N/A		
SLOT SIZE:	N/A	WELL DEPTH:	N/A		
GRAVEL PACK:	N/A	CASING STICKUP:	N/A		
ELEVATION		NORTHING		EASTING	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
BENTONITE CHIPS									Hand auger 0-3'
					1				
					2			GP	Sandy GRAVEL, gray, trace silt, loose, moist to wet [fill]
	▽ 3.0'bgs	Mst/ Wet	0.7		3				(sheen on core)
					4				
					5				
					6				
					7				
		Wet	0.0		8				
					9				
					10			CL	Silty CLAY, grayish brown, trace silt, scattered wood debris in the top, stiff, plastic, wet
					11				
		Wet	0.0		12				**Bottom of Boring at 12 feet bgs**
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				

Delta
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PROJECT NO:	PT05-300-6	CLIENT:	Weyerhaeuser	BORING/WELL NO:	SB5-11
LOGGED BY:	Olga Popova	LOCATION:	7001, 396 th Dr, SE, Snoqualmie, WA	PAGE	1 OF 1
DRILLER:	Cascade	DATE DRILLED:	3/30/2005	Location Map	
DRILLING METHOD:	Geoprobe	HOLE DIAMETER:	2"		
SAMPLING METHOD:	Macrocore	HOLE DEPTH:	12'		
CASING TYPE:	N/A	WELL DIAMETER:	N/A		
SLOT SIZE:	N/A	WELL DEPTH:	N/A		
GRAVEL PACK:	N/A	CASING STICKUP:	N/A		
ELEVATION		NORTHING		EASTING	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
BENTONITE CHIPS									Hand auger 0-3'
					1				
					2			GP	Sandy GRAVEL, gray, trace silt, loose, moist to wet [fill]
	▽ 3.0'bgs	Mst/ Wet	0.0		3				(sheen on core)
					4				
					5				Silty CLAY, grayish brown, trace silt, scattered wood debris in the top, stiff, plastic, wet
					6				
					7			CL	
		Wet	1.7		8				
					9				
					10				
					11				
					12				**Bottom of Boring at 12 feet bgs**
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				

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PROJECT NO:	PT05-300-6	CLIENT:	Weyerhaeuser	BORING/WELL NO:	SB5-12
LOGGED BY:.	Olga Popova	LOCATION:	7001, 396 th Dr, SE, Snoqualmie, WA	PAGE	1 OF 1
DRILLER:	Cascade	DATE DRILLED:	3/30/2005	Location Map	
DRILLING METHOD:	Geoprobe	HOLE DIAMETER:	2"		
SAMPLING METHOD:	Macrocore	HOLE DEPTH:	8'		
CASING TYPE:	N/A	WELL DIAMETER:	N/A		
SLOT SIZE:	N/A	WELL DEPTH:	N/A		
GRAVEL PACK:	N/A	CASING STICKUP:	N/A		
ELEVATION		NORTHING		EASTING	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
BENTONITE CHIPS									Hand auger 0-3'
					1				
					2			GP	Sandy GRAVEL, gray, trace silt, loose, moist to wet [fill]
	▽ 3.0'bgs	Mst/ Wet	1.7		3				
					4				
					5				
			1.1		6			CL	Silty CLAY, grayish brown, trace silt, scattered wood debris in the top, stiff, plastic, wet
		Wet	1.0		7				
					8				**Bottom of Boring at 8 feet bgs**
					9				
					10				
					11				
					12				
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				

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PROJECT NO:	PT05-300-6	CLIENT:	Weyerhaeuser	BORING/WELL NO:	SB5-13
LOGGED BY:	Olga Popova	LOCATION:	7001, 396 th Dr, SE, Snoqualmie, WA	PAGE	1 OF 1
DRILLER:	Cascade	DATE DRILLED:	3/30/2005	Location Map	
DRILLING METHOD:	Geoprobe	HOLE DIAMETER:	2"		
SAMPLING METHOD:	Macrocore	HOLE DEPTH:	8'		
CASING TYPE:	N/A	WELL DIAMETER:	N/A		
SLOT SIZE:	N/A	WELL DEPTH:	N/A		
GRAVEL PACK:	N/A	CASING STICKUP:	N/A		
ELEVATION		NORTHING		EASTING	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
					0				Hand auger 0-3'
					1				
					2			GP	Sandy GRAVEL, gray, trace silt, loose, moist to wet [fill]
	▽ 3.0'bgs	Mst/ Wet	1.8		3				
					4				
					5				
			1.1		6			CL	Silty CLAY, grayish brown, trace silt, scattered wood debris in the top, stiff, plastic, wet
BENTONITE CHIPS					7				
		Wet	1.5		8				**Bottom of Boring at 8 feet bgs**
					9				
					10				
					11				
					12				
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				

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PROJECT NO:	PT05-300-6	CLIENT:	Weyerhaeuser	BORING/WELL NO:	SB5-14
LOGGED BY:	Olga Popova	LOCATION:	7001, 396 th Dr, SE, Snoqualmie, WA	PAGE	1 OF 1
DRILLER:	Cascade	DATE DRILLED:	3/30/2005	Location Map	
DRILLING METHOD:	Geoprobe	HOLE DIAMETER:	2"		
SAMPLING METHOD:	Macrocore	HOLE DEPTH:	8'		
CASING TYPE:	N/A	WELL DIAMETER:	N/A		
SLOT SIZE:	N/A	WELL DEPTH:	N/A		
GRAVEL PACK:	N/A	CASING STICKUP:	N/A		
ELEVATION		NORTHING		EASTING	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
BENTONITE CHIPS									Hand auger 0-3'
	3.0'bgs	Mst/ Wet	2.8		1–4			GP	Sandy GRAVEL, gray, trace silt, loose, moist to wet [fill]
					5–6			CL	Silty CLAY, grayish brown, trace silt, scattered wood debris in the top, stiff, plastic, wet
		Wet	2.2		7–8				
					8				**Bottom of Boring at 8 feet bgs**
					9–22				

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PROJECT NO:	PT05-300-6	CLIENT:	Weyerhaeuser	BORING/WELL NO:	SB5-15
LOGGED BY:	Olga Popova	LOCATION:	7001, 396 th Dr, SE, Snoqualmie, WA	PAGE	1 OF 1
DRILLER:	Cascade	DATE DRILLED:	3/31/2005	Location Map	
DRILLING METHOD:	Geoprobe	HOLE DIAMETER:	2"		
SAMPLING METHOD:	Macrocore	HOLE DEPTH:	8'		
CASING TYPE:	N/A	WELL DIAMETER:	N/A		
SLOT SIZE:	N/A	WELL DEPTH:	N/A		
GRAVEL PACK:	N/A	CASING STICKUP:	N/A		
ELEVATION		NORTHING		EASTING	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
BENTONITE CHIPS									Hand auger 0-3'
	▽ 2.0'bgs				1				
					2			GP	Sandy GRAVEL, gray, trace silt, loose, moist to wet [fill]
		Wet	0.8		3				
					4				
					5				
			1.3		6			CL	Silty CLAY, grayish brown, trace silt, scattered wood debris in the top, stiff, plastic, wet
					7				
		Wet	0.8		8				**Bottom of Boring at 8 feet bgs**
					9				
					10				
					11				
					12				
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				

Delta

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PROJECT NO:	PT05-300-6	CLIENT:	Weyerhaeuser	BORING/WELL NO:	SB5-16
LOGGED BY:	Olga Popova	LOCATION:	7001, 396 th Dr, SE, Snoqualmie, WA	PAGE	1 OF 1
DRILLER:	Cascade	DATE DRILLED:	3/31/2005	Location Map	
DRILLING METHOD:	Geoprobe	HOLE DIAMETER:	2"		
SAMPLING METHOD:	Macrocore	HOLE DEPTH:	8'		
CASING TYPE:	N/A	WELL DIAMETER:	N/A		
SLOT SIZE:	N/A	WELL DEPTH:	N/A		
GRAVEL PACK:	N/A	CASING STICKUP:	N/A		
ELEVATION		NORTHING		EASTING	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
BENTONITE CHIPS	▽ 2.0'bgs								Hand auger 0-3'
					1				
					2			GP	Sandy GRAVEL, gray, trace silt, loose, moist to wet [fill]
		Wet	0.7		3				
					4				
					5				Silty CLAY, grayish brown, trace silt, scattered wood debris in the top, stiff, plastic, wet
					6			CL	
					7				
		Wet	0.8		8				**Bottom of Boring at 8 feet bgs**
					9				
					10				
					11				
					12				
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				

Delta

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PROJECT NO:	PT05-300-6	CLIENT:	Weyerhaeuser	BORING/WELL NO:	SB5-17
LOGGED BY:	Olga Popova	LOCATION:	7001, 396 th Dr, SE, Snoqualmie, WA	PAGE	1 OF 1
DRILLER:	Cascade	DATE DRILLED:	3/31/2005	Location Map	
DRILLING METHOD:	Geoprobe	HOLE DIAMETER:	2"		
SAMPLING METHOD:	Macrocore	HOLE DEPTH:	8'		
CASING TYPE:	N/A	WELL DIAMETER:	N/A		
SLOT SIZE:	N/A	WELL DEPTH:	N/A		
GRAVEL PACK:	N/A	CASING STICKUP:	N/A		
ELEVATION		NORTHING		EASTING	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
BENTONITE CHIPS	▽ 2.0'bgs				1				Hand auger 0-3'
					2			GP	Sandy GRAVEL, gray, trace silt, loose, moist to wet [fill]
		Wet	1.1		3				
					4				
					5				
			0.9		6			CL	Silty CLAY, grayish brown, trace silt, scattered wood debris in the top, stiff, plastic, wet
		Wet	0.7		7				
					8				**Bottom of Boring at 8 feet bgs**
					9				
					10				
					11				
					12				
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				