Appendix A
Supplemental Data

Appendix A-1
Boring Logs and Monitoring Well Construction Table for Existing Explorations

Blymyer Engineers, Inc.

Exploratory Bore Log

Client: Matson Terminals
Site: Terminal 25 POS

Date: 12-1-88
Job#: 88289

Rig: Hollow Stem Auger
Diameter: 4"

Driller: Soil Sampling Service
Logged by: Sue Black

Boring No.: B-10

Description and Classification					Depth	Sample	Notes
Description and Remarks	Color	Blow Counts	Consist.	Soil Type			
Asphalt					1		
Fill - Medium Sand with Trace Fines, Little Gravel, Moist	Dark Gray	3-5-7	Loose	SM	5		Very Slight Solvent Odor (5 ppm)
Silty Clayey Sand, Wood Fragments, Gravels, Wet	Dark Gray/ Black	3-2-5	Loose	SC	10		Slight Hydrocarbon & Organic Odor (10 ppm)
							Bottom of Bore 10'
					15		
					20		
					25		
					30		

Blymyer Engineers, Inc.

Exploratory Bore Log

Client: Matson Terminals
Site: Terminal 25 POS

Date: 12-1-88
Job#: 88289
Rig: Hollow Stem Auger
Diameter: 4"
Boring No.: B-11

Driller: Soil Sampling Service
Logged by: Sue Black

Description and Classification					Depth	Sample	Notes
Description and Remarks	Color	Blow Counts	Consist.	Soil Type			
Asphalt							
Fill- Medium to Coarse Sand, Trace Fines, Little Gravel, Moist	Light Gray	6-6-10	Medium Dense	SP	5		No Odor (0 ppm)
Silty Clay, Trace Sand, Organic, Wood Fragments, Wet	Black	1-1-1	Very Loose	OL	10		Organic Odor (0 ppm)
							Bottom of Bore 10'
					15		
					20		
					25		
					30		

Blymyer Engineers, Inc.

Exploratory Bore Log

Client: Matson Terminals
Site: Terminal 25 POS

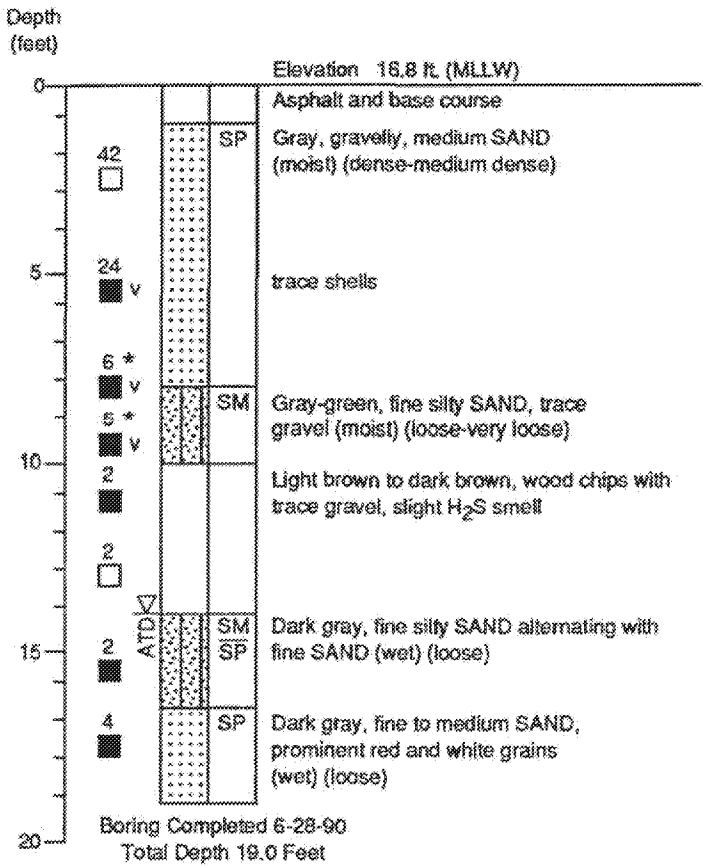
Date: 12-1-88
Job#: 88289
Rig: Hollow Stem Auger
Diameter: 4"
Boring No.: B- 12

Driller: Soil Sampling Service
Logged by: Sue Black

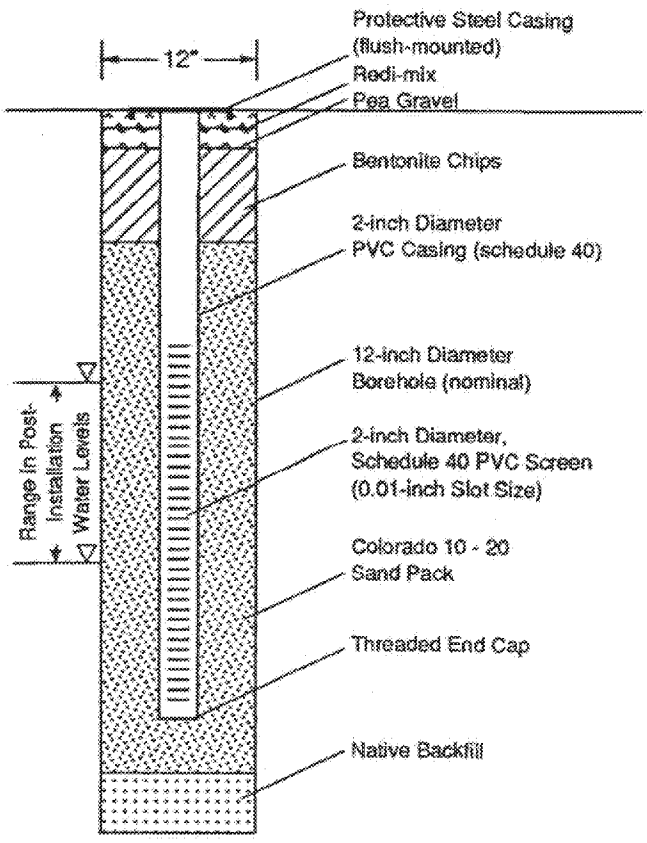
Description and Classification					Depth	Sample	Notes
Description and Remarks	Color	Blow Counts	Consist.	Soil Type			
Asphalt							
Fill- Medium to Coarse Sand, Trace Fines, Little Gravel, Moist	Light Gray	8-4-6	Medium Dense	SP	5		No Odor (0 ppm)
Silty Clay, Trace Sand, Organic, Wood Fragments, Wet	Black	1-2-1	Loose	OL	10		Organic Odor (0 ppm)
							Bottom of Bore 10'
					15		
					20		
					25		
					30		

Well LW-1

Soil Profile



Well Detail



KEY

* ← Indicates sample collected for chemical analysis

102 ← Blows required to drive 2.42-inch I.D. split barrel sampler 1 foot with a hammer weight of 140 pounds and a stroke of 30 inches

■ ← Indicates depth at which relatively undisturbed sample was extracted

Relative Field UV Fluorescence Observations:
- v — Very weak
- w — Weak
- M — Moderate
- (no symbol) — No fluorescence

☒ ← Indicates depth of disturbed sample

□ ← Indicates sample attempt with no recovery

ATD ← Water level encountered at time of drilling (Note: See text for subsequent ground water level measurements)

LANDAU ASSOCIATES, INC.	Soil Profile and Well Detail for Well LW-1

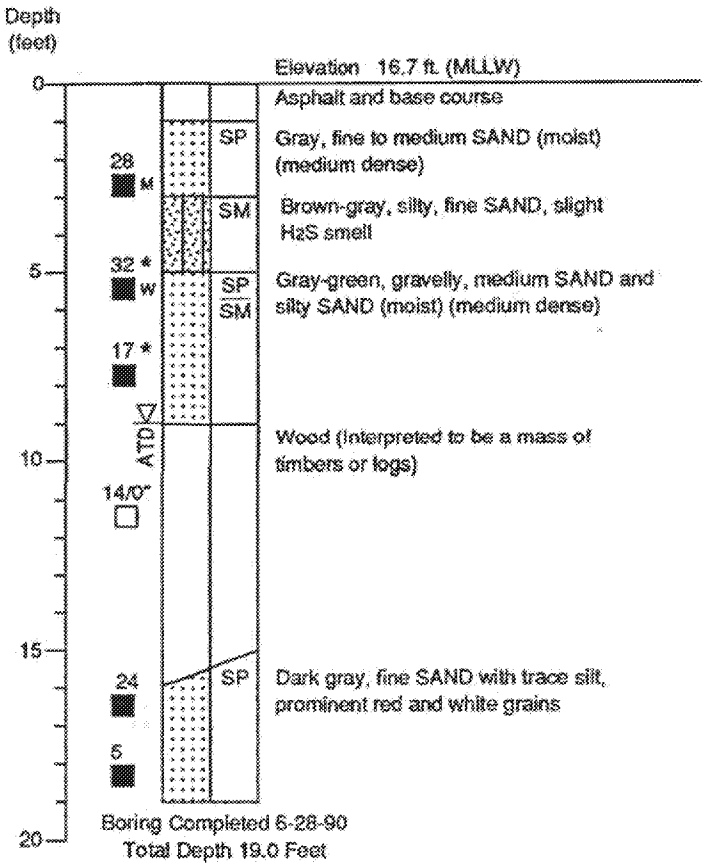
Figure A-2

90-03.10 Port of Seattle/Terminal 25/Soil and Ground Water Investigation/Final Report 10/5/90

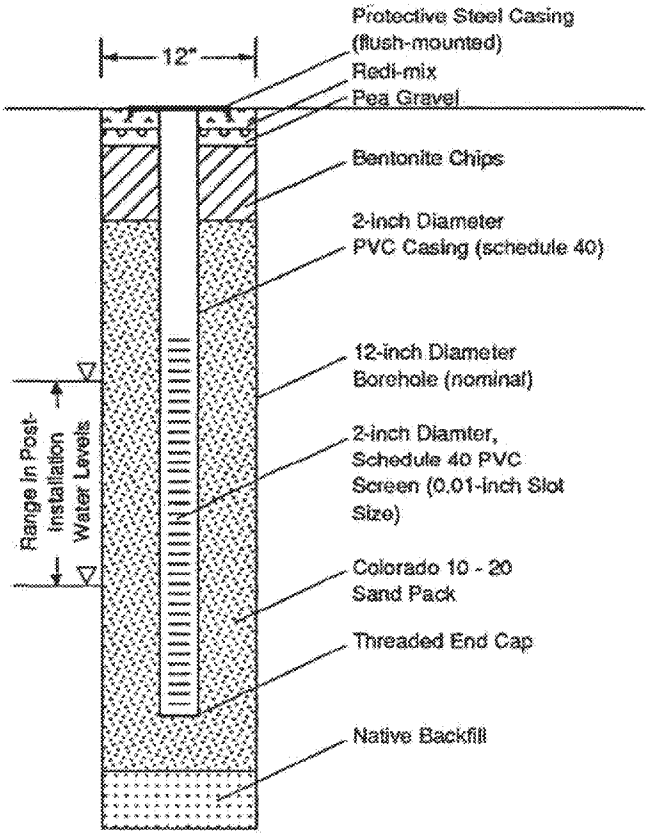
ED_006289C_00001435-00006

Well LW-2

Soil Profile



Well Detail



KEY

* ← Indicates sample collected for chemical analysis

102 ← Blows required to drive 2.42-inch I.D. split barrel sampler 1 foot with a hammer weight of 140 pounds and a stroke of 30 inches

■ ← Indicates depth at which relatively undisturbed sample was extracted

Relative Field UV Fluorescence Observations
- v — Very weak
- w — Weak
- M — Moderate
- (no symbol) — No fluorescence

⊠ ← Indicates depth of disturbed sample

□ ← Indicates sample attempt with no recovery

ATD ← Water level encountered at time of drilling (Note: See text for subsequent ground water level measurements)

LANDAU ASSOCIATES, INC.	Soil Profile and Well Detail for Well LW-2

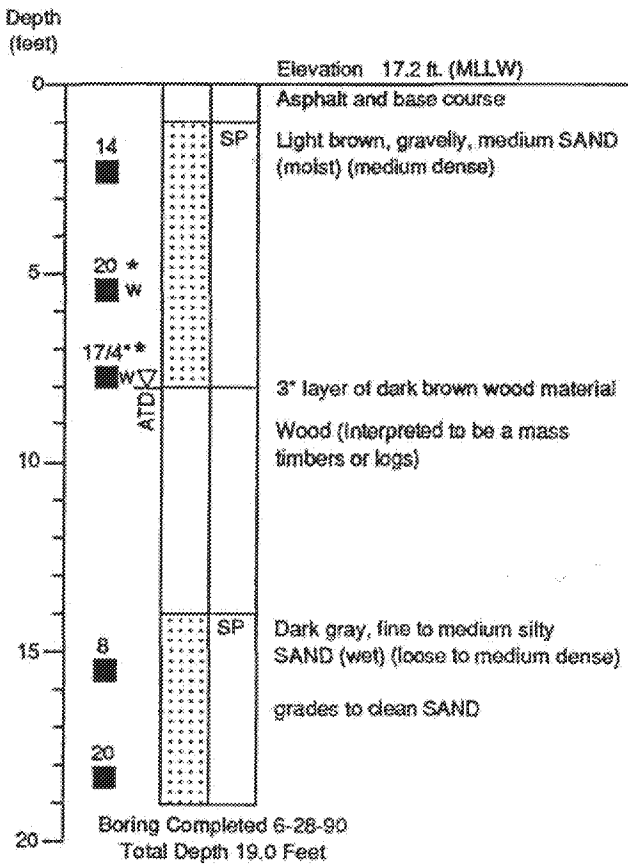
Figure A-3

50-03.10 Port of Seattle/Terminal 25/Soil and Ground Water Investigation/Final Report 10/5/90

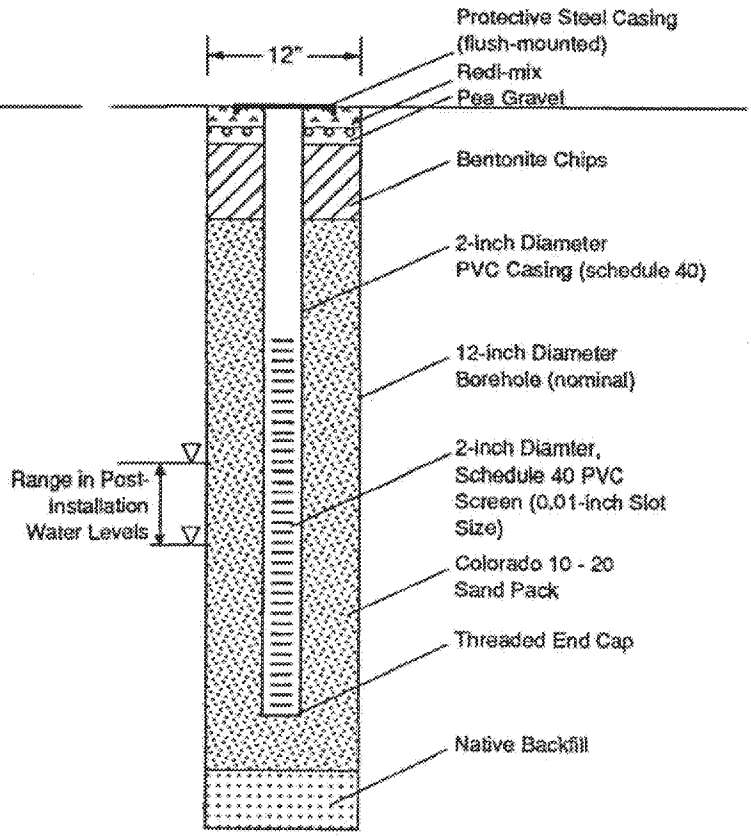
ED_006289C_00001435-00007

Well LW-3

Soil Profile



Well Detail



KEY

* ← Indicates sample collected for chemical analysis

102 ← Blows required to drive 2.42-inch I.D. split barrel sampler 1 foot with a hammer weight of 140 pounds and a stroke of 30 inches

■ ← Indicates depth at which relatively undisturbed sample was extracted

Relative Field UV Fluorescence Observations:
- v — Very weak
- w — Weak
- M — Moderate
- (no symbol) — No fluorescence

⊠ ← Indicates depth of disturbed sample

□ ← Indicates sample attempt with no recovery

ATD ← Water level encountered at time of drilling (Note: See text for subsequent ground water level measurements)

LANDAU ASSOCIATES, INC.	Soil Profile and Well Detail for Well LW-3

Figure A-4

90-03.10 Port of Seattle/Terminal 25/Soil and Ground Water Investigation/Final Report 10/5/90

ED_006289C_00001435-00008

LOG OF EXPLORATORY BORING

PROJECT NAME	Port of Seattle	BORING NO.	MW- 1
LOCATION	Terminal 25	PAGE	1 OF 1
DRILLED BY	GEO BORING	REFERENCE ELEV.	4.69' MSL
DRILL METHOD	4" ID HSA	TOTAL DEPTH	16.50'
LOGGED BY	John Guenther	DATE COMPLETED	10/12/89

SAMPLE TYPE AND NUMBER	TIP READING	BLOWS PER FOOT	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-LOGIC COLUMN	WELL DETAILS	LITHOLOGIC DESCRIPTION
								0 - 4 inches: ASPHALT Paving.
								4 inches - 5 feet: SAND, dark grey/brown. Trace fine gravel. Damp, wet wood odor.
SS 1	0	5 18 32		5				5 - 7.5 feet: SAND, grey brown; trace fines. Trace fine gravel. Damp, dense. Wet wood odor.
SS 2	< / = 21	20 27 39						7.5 - 9 feet: SANDY SILT, dark grey. 25-40 percent fine sand, saturated. Dense. No odor.
			▽	10				9 - 15 feet: SILTY SAND, dark grey, fine sand, 10-20 percent silt, saturated. Dense. Wet wood odor.
SS 3	0	0 1 3		15				15 - 16.5 feet: SAWDUST - WOOD CHIPS, saturated, loose. Sulfer Odor.
								Bottom of boring at 16.5 feet.
				20				

REMARKS

See attached legend for well construction details.

USZ-01.01.SEATL.12/mc:3.11/03/0

LOG OF EXPLORATORY BORING

PROJECT NAME	Port of Seattle	BORING NO.	MW-2
LOCATION	Terminal 25	PAGE	1 OF 1
DRILLED BY	GEO BORING	REFERENCE ELEV.	4.66' MSL
DRILL METHOD	4" ID HSA	TOTAL DEPTH	16.50'
LOGGED BY	John Guenther	DATE COMPLETED	10/12/89

SAMPLE TYPE AND NUMBER	TIP READING	BLOWS PER FOOT	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-LOGIC COLUMN	WELL DETAILS	LITHOLOGIC DESCRIPTION
								0 - 4 inches: ASPHALT Paving.
								4 inches - 5 feet: SAND, dark grey. Medium sand. Trace fines. Trace fine gravel. Damp, no odor.
SS 1	< / = 12	20 32 32		5				5 - 6.5 feet: SAND, dark grey, medium sand, trace fine gravel. Damp, dense. Slight wet wood odor.
SS 2	0	9 10 13	▽	10				6.5 - 15 feet: SAND, grey, medium-coarse sand. Trace fine gravel. Saturated. Medium dense. No odor.
SS 3	0	1 0 0		15				15 - 16.5 feet: SAND; dark grey; fine to medium sand; trace silt. Loose, saturated. Wood chips. No Odor.
				20				Bottom of boring at 16.5 feet.

REMARKS

See attached legend for well construction details.

LOG OF EXPLORATORY BORING

PROJECT NAME	Port of Seattle	BORING NO.	MW- 3
LOCATION	Terminal 25	PAGE	1 OF 1
DRILLED BY	GEO BORING	REFERENCE ELEV.	3.84' MSL
DRILL METHOD	4" ID HSA	TOTAL DEPTH	12.50'
LOGGED BY	John Guenther	DATE COMPLETED	10/12/89

SAMPLE TYPE AND NUMBER	TIP READING	BLOWS PER FOOT	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-LOGIC COLUMN	WELL DETAILS	LITHOLOGIC DESCRIPTION
								0 - 4 inches: ASPHALT Paving.
								4 inches - 5 feet: SAND, dark grey/brown; medium sand, trace fines. Damp. Wet wood odor.
SS 1	0	8 26 17		5				5 - 6.5 feet: SAND, dark grey; fine to medium. Dense, moist, clean. No odor.
SS 2	0	5 8 13	▽					6.5 - 10 feet: SAND, dark grey; fine to medium sand; trace to little silt. Saturated, medium dense. No odor.
SS 3	0	7 50		10				10.5 - 12.5 feet: WOOD CHUNKS AND SAWDUST; saturated, sulfer odor.
								Bottom of boring at 12.5 feet. Refusal on wood.
				15				
				20				

REMARKS

See attached legend for well construction details.

LOG OF EXPLORATORY BORING

PROJECT NAME	Port of Seattle	BORING NO.	MW-4
LOCATION	Terminal 25	PAGE	1 OF 1
DRILLED BY	GEO BORING	REFERENCE ELEV.	4.09' MSL
DRILL METHOD	4" ID HSA	TOTAL DEPTH	14.00'
LOGGED BY	John Guenther	DATE COMPLETED	10/12/89

SAMPLE TYPE AND NUMBER	TIP READING	BLOWS PER FOOT	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-LOGIC COLUMN	WELL DETAILS	LITHOLOGIC DESCRIPTION
								0 - 4 inches: ASPHALT Paving.
								4 inches - 5 feet: SAND, dark grey, medium sand. Trace fine gravel. Damp, dense, wet wood odor.
SS 1	0	15 21 15		5				5 - 6.5 feet: SAND, grey; medium coarse sand, trace silt. Damp, dense. No odor.
SS 2	0	7 13 21	▽					6.5 - 12 feet: SAND, grey, medium coarse sand. Saturated, dense. No odor.
				10				
SS 3	0	17 21 21						12 - 14 feet: SILTY SAND, dark brown/grey, fine sand, 10-20 percent silt. Saturated. Wood debris. 14 foot: Auger refusal in wood debris at 14 foot.
				15				Bottom of boring at 14 feet.
				20				

REMARKS

See attached legend for well construction details.

Total Depth:	81.5 ft.	Northing:		Drilling Method:	Mud Rotary	Hole Diam.:	
Top Elevation:	~	Easting:		Drilling Company:	Boart Longyear	Rod Diam.:	
Vert. Datum:		Station:		Drill Rig Equipment:	Mobile B-59	Hammer Type:	Automatic
Horiz. Datum:		Offset:		Other Comments:			

SOIL DESCRIPTION

Refer to the report text for a proper understanding of the subsurface materials and drilling methods. The stratification lines indicated below represent the approximate boundaries between material types, and the transition may be gradual.

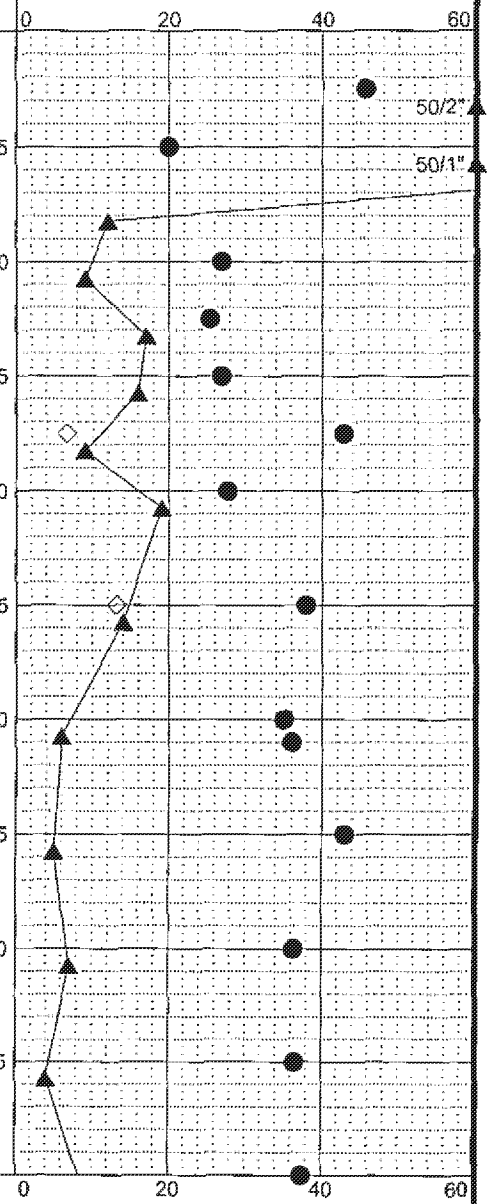
Description	Depth, ft.
Dark brown, slightly gravelly to gravelly SAND, trace of silt; moist; SP.	2.0
Very dense, gray, slightly sandy GRAVEL; moist; GP.	7.0
Medium dense, slightly sandy WOOD; moist; PT.	10.5
Loose, dark gray, slightly sandy to sandy SILT, trace of clay; moist; abundant wood; ML.	12.0
Medium dense to loose, black with red flecks, slightly silty, fine to medium SAND, trace of silt; wet; scattered to abundant wood layers, scattered to abundant silt layers/seams; SP-SM.	31.0
Medium stiff, gray-brown, slightly clayey SILT; moist; abundant organics; ML.	

Samples: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

Ground Water: During Drilling

PENETRATION RESISTANCE (blows/foot)

▲ Hammer Wt. & Drop: 140 lbs / 30 inches



CONTINUED NEXT SHEET

LEGEND

- • Sample Not Recovered
- I Standard Penetration Test
- ▽ Ground Water Level ATD
- ◇ % Fines (<0.075mm)
- ● % Water Content

NOTES

1. Refer to KEY for explanation of symbols, codes, abbreviations and definitions.
2. The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
3. The discussion in the text of this report is necessary for a proper understanding of the nature of the subsurface materials.
4. Groundwater level, if indicated above, is for the date specified and may vary.
5. USCS designation is based on visual-manual classification and selected lab testing.

Port of Seattle
Terminal 25 South Expansion - Phase 2
Seattle, Washington

LOG OF BORING B-1

October 2008 | 21-21044-001

SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants

FIG. A-2
Sheet 1 of 2

REV 1

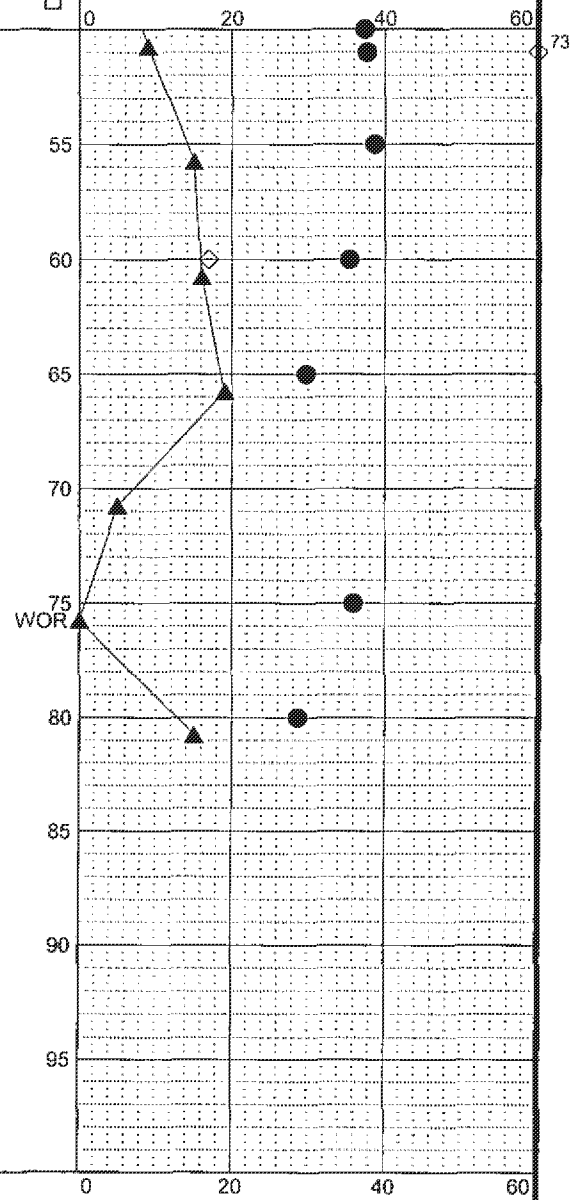
MASTER LOG E 21-21044.GPJ SHAN WIL.GDT 10/22/08 Log: ELM Rev: MDH Typ: CLP

Total Depth:	81.5 ft.	Northing:		Drilling Method:	Mud Rotary	Hole Diam.:	
Top Elevation:	–	Easting:		Drilling Company:	Boart Longyear	Rod Diam.:	
Vert. Datum:		Station:		Drill Rig Equipment:	Mobile B-59	Hammer Type:	Automatic
Horiz. Datum:		Offset:		Other Comments:			

SOIL DESCRIPTION *Refer to the report text for a proper understanding of the subsurface materials and drilling methods. The stratification lines indicated below represent the approximate boundaries between material types, and the transition may be gradual.*	Depth, ft.	Samples	Ground Water Depth, ft.
Loose, black with red flecks, slightly silty, fine to medium SAND; wet; abundant organics; SP.	50.0 51.0	14	
Medium stiff, gray-brown, clayey SILT; moist to very moist; ML-MH.	54.0	15	
Medium dense, black with red flecks, slightly silty to silty, fine to medium SAND and gray-brown SILT; moist to wet; scattered to abundant organics; SP-SM/ML.		16	
Medium dense, black with red flecks, slightly silty to silty SAND; moist to wet; scattered organics; SP-SM.	64.0	17	
Very soft, gray-brown, silty CLAY/clayey SILT; moist; scattered organics; CL-ML.	68.0	18 19	
Medium dense, black with red flecks, slightly silty, fine to medium SAND and gray-brown SILT; moist to wet; SP/ML.	78.0 81.5	20	
BOTTOM OF BORING COMPLETED 10/6/2008			

PENETRATION RESISTANCE (blows/foot)

▲ Hammer Wt. & Drop: 140 lbs / 30 inches



LEGEND

- • Sample Not Recovered
- I Standard Penetration Test
- ▽ Ground Water Level ATD
- ◇ % Fines (<0.075mm)
- ● % Water Content

NOTES

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Port of Seattle
Terminal 25 South Expansion - Phase 2
Seattle, Washington

LOG OF BORING B-1

October 2008 | 21-21044-001

SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants

FIG. A-2
Sheet 2 of 2

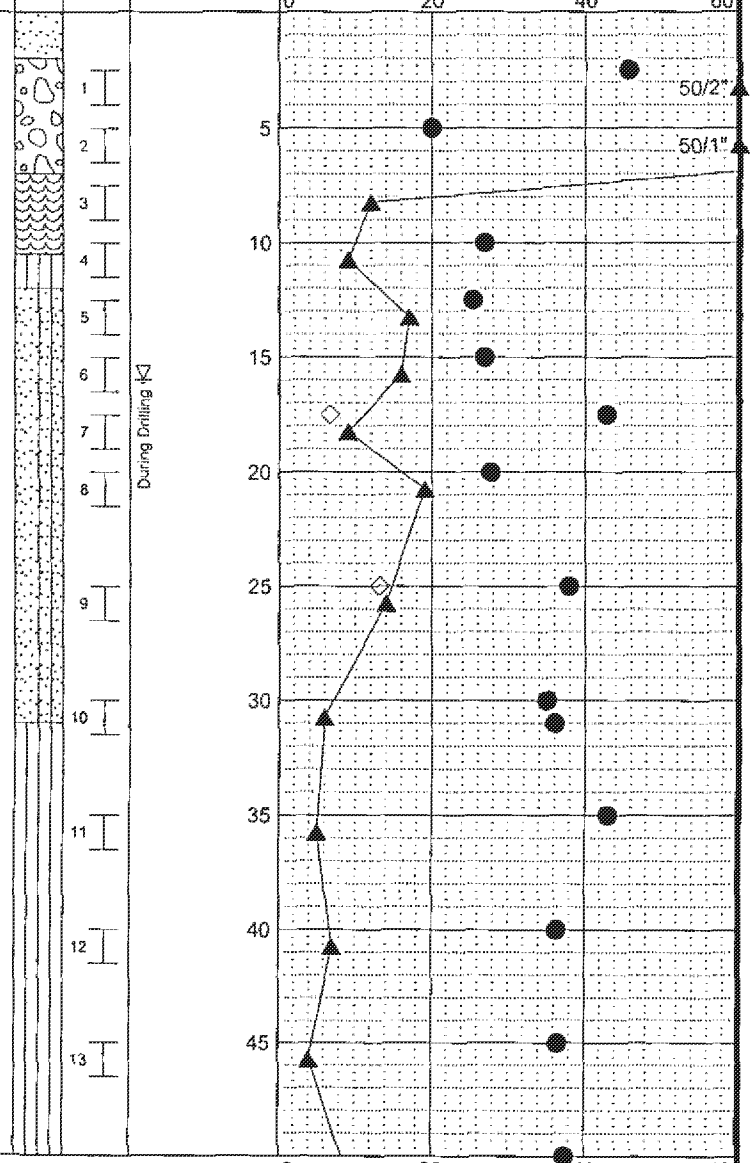
REV 1

MASTER LOG E 21-21044.GPJ SHAN WIL.GDT 10/22/08 Log: ELM Rev: MDH Typ: CLP

Total Depth:	81.5 ft.	Northing:		Drilling Method:	Mud Rotary	Hole Diam.:	
Top Elevation:	~	Easting:		Drilling Company:	Boart Longyear	Rod Diam.:	
Vert. Datum:		Station:		Drill Rig Equipment:	Mobile B-59	Hammer Type:	Automatic
Horiz. Datum:		Offset:		Other Comments:			

SOIL DESCRIPTION	Depth, ft.
Dark brown, slightly gravelly to gravelly SAND, trace of silt; moist; SP.	2.0
Very dense, gray, slightly sandy GRAVEL; moist; GP.	7.0
Medium dense, slightly sandy WOOD; moist; PT.	10.5
Loose, dark gray, slightly sandy to sandy SILT, trace of clay; moist; abundant wood; ML.	12.0
Medium dense to loose, black with red flecks, slightly silty, fine to medium SAND, trace of silt; wet; scattered to abundant wood layers, scattered to abundant silt layers/seams; SP-SM.	
Medium stiff, gray-brown, slightly clayey SILT; moist; abundant organics; ML.	31.0

Refer to the report text for a proper understanding of the subsurface materials and drilling methods. The stratification lines indicated below represent the approximate boundaries between material types, and the transition may be gradual.



CONTINUED NEXT SHEET

LEGEND

- • Sample Not Recovered
- I Standard Penetration Test
- ▽ Ground Water Level ATD
- ◇ % Fines (<0.075mm)
- ● % Water Content

NOTES

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3. The discussion in the text of this report is necessary for a proper understanding of the nature of the subsurface materials.
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Port of Seattle
Terminal 25 South Expansion - Phase 2
Seattle, Washington

LOG OF BORING B-1

October 2008 | 21-21044-001

SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants

FIG. A-2
Sheet 1 of 2

REV 1

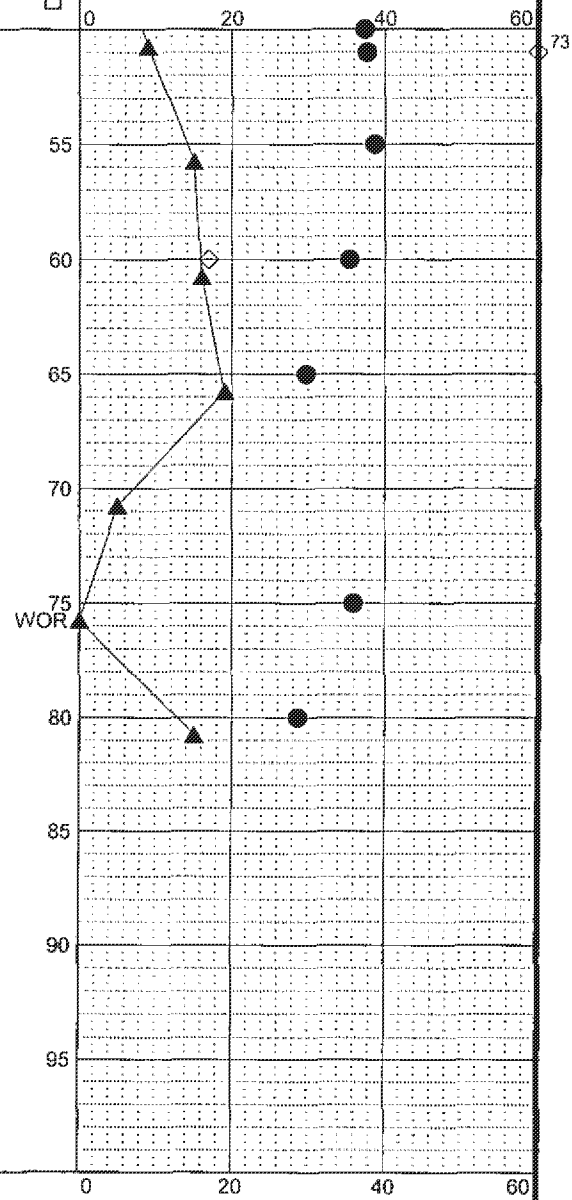
MASTER LOG E 21-21044.GPJ SHAN WIL.GDT 10/22/08 Log: ELM Rev: MDH Typ: CLP

Total Depth:	81.5 ft.	Northing:		Drilling Method:	Mud Rotary	Hole Diam.:	
Top Elevation:	–	Easting:		Drilling Company:	Boart Longyear	Rod Diam.:	
Vert. Datum:		Station:		Drill Rig Equipment:	Mobile B-59	Hammer Type:	Automatic
Horiz. Datum:		Offset:		Other Comments:			

SOIL DESCRIPTION *Refer to the report text for a proper understanding of the subsurface materials and drilling methods. The stratification lines indicated below represent the approximate boundaries between material types, and the transition may be gradual.*	Depth, ft.	Samples	Ground Water Depth, ft.
Loose, black with red flecks, slightly silty, fine to medium SAND; wet; abundant organics; SP.	50.0 51.0	14	
Medium stiff, gray-brown, clayey SILT; moist to very moist; ML-MH.	54.0	15	
Medium dense, black with red flecks, slightly silty to silty, fine to medium SAND and gray-brown SILT; moist to wet; scattered to abundant organics; SP-SM/ML.		16	
Medium dense, black with red flecks, slightly silty to silty SAND; moist to wet; scattered organics; SP-SM.	64.0	17	
Very soft, gray-brown, silty CLAY/clayey SILT; moist; scattered organics; CL-ML.	68.0	18 19	
Medium dense, black with red flecks, slightly silty, fine to medium SAND and gray-brown SILT; moist to wet; SP/ML.	78.0 81.5	20	
BOTTOM OF BORING COMPLETED 10/6/2008			

PENETRATION RESISTANCE (blows/foot)

▲ Hammer Wt. & Drop: 140 lbs / 30 inches



◇ % Fines (<0.075mm)

● % Water Content

LEGEND

* Sample Not Recovered

I Standard Penetration Test

▽ Ground Water Level ATD

NOTES

1. Refer to KEY for explanation of symbols, codes, abbreviations and definitions.
2. The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
3. The discussion in the text of this report is necessary for a proper understanding of the nature of the subsurface materials.
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Port of Seattle
Terminal 25 South Expansion - Phase 2
Seattle, Washington

LOG OF BORING B-1

October 2008 | 21-21044-001

SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants

FIG. A-2
Sheet 2 of 2

REV 1

MASTER LOG E 21-21044.GPJ SHAN WIL.GDT 10/22/08 Log: ELM Rev: MDH Typ: CLP

HERRERA ENVIRONMENTAL CONSULTANTS

SOIL BORING AND MONITORING WELL CONSTRUCTION RECORD

Boring # B97
Total depth 24
Sheet 1 of 2

Project name SSSVW
Project number 06-0355505
Client SDOT
HEC rep. B. Carpenter

Drilling Contractor Cascade Drilling
Location B97
Start date 8/5/10
Compl. date 8/5/10

Drilling method Push-Probe Drilling
Sampling method 4-ft probe Sampler
Ground elevation NA
Air monitoring (Y/N) Yes
Instrument(s) PID/IBRID MX6

Instrument reading (ppm)	Sample type, interval	% recovery	Blow counts	Depth (feet, BGS)	Water level (feet, BGS)	Soil group	Soil description	Well Details
							Tayish-Brown gravelly SAND, soft, dry	
				1				
0		75		2				
				3			B97-SS-3 @ 1340 Brown med SAND, damp	
				4				
				5			Brown med grained SAND, w/ white sand grains, damp	
0		100		6				
				7				
				8			Dark Brown-Gray Sandy SILT, damp, iron staining, laminations	Notice
				9				
0		100		10				
				11	▽ 10.95		Dark Gray-Black fine SAND and Sandy SILT layers, damp	
				12				
				13			wet B97-SS-13 @ 1400	
0		100		14				
				15			Brownish-gray sandy SILT, friable, damp	
				16			Brownish gray silty SAND, wet	
				17			Dark gray sandy SILT, wet	
				18				

HERRERA ENVIRONMENTAL CONSULTANTS

SOIL BORING AND MONITORING WELL CONSTRUCTION RECORD

Boring # B97
Total depth 24
Sheet 2 of 2

Project name SSSVW
Project number 06-03555-051
Client SDOT
HEC rep. B. Carpenter
Drilling Contractor Cascade Drilling
Location B97
Start date 8/5/10
Compl. date 8/5/10
Drilling method Push-Probe Drilling
Sampling method 4-ft. probe samples
Ground elevation NA
Air monitoring (Y/N) Yes
Instrument(s) PID/IBRID MX6

Instrument reading (ppm)	Sample type, interval	% recovery	Blow counts	Depth (feet, BGS)	Water level (feet, BGS)	Soil group	Soil description	Well Details
				18				
0		100		19			Dark gray silty SAND, wet	
				20			B97-SS-20 @ 1415	
				21			Very dark Gray - Black silty SAND, wet	
0		100		22				
				23				
				24			Set well screen 12-16'. Purged slowly. Bail filled w/ Bentonite pellets.	

Monitoring Well Construction Log

Aspect CONSULTING

Project Number	Well Number	Sheet
110003-01	AQ-MW-1	1 of 1

Project Name:	Terminal 25-S	Ground Surface Elev	
Location:	Seattle, Washington	Top of Casing Elev.	12.54
Driller/Method:	Cascade-Lynn / Geoprobe truck rig	Depth to Water (ft BGS)	5
Sampling Method:	Continuous	Start/Finish Date	10/21/2012

Depth / Elevation (feet)	Borehole Completion	Sample Type/ID	Tests	PID (ppm)	Blows/ 6"	Material Type	Description	Depth (ft)
	5"-diameter monument mounted flush in concrete			0			**FILL** Slightly moist, gray, black, and brown, silty, sandy GRAVEL (GM); crushed rock, asphalt debris	
	3/4"-diameter Sch 40 PVC riser			0				
				0				
5				0			Moist to wet, brown to dark brown, silty SAND (SM); well-graded fine-to-coarse sand	5
				0				
	Hydrated bentonite chips			0			Wood debris	
				0				
				0				
10				0				10
				0				
	10-20 sand			0				
				0				
				0				
15	3/4"-diameter 0.020"-slot Sch 40 PVC screen prepacked with 10-20 sand			0				15
				0			**HOLOCENE ALLUVIUM** Wet, black, slightly silty SAND (SP-SM); poorly graded fine-to-medium sand, rare red clasts	
				0				
	Slip cap			0				
	Slough			0				
20							Bottom of boring at 20 ft,	20
							Water level datum is MLLW Epoch 1983-2001	

Sampler Type:
- No Recovery
- Continuous Core

PID - Photoionization Detector
- Static Water Level
- Water Level (ATD)

Logged by: Mv

Approved by: SJG

Figure No. A- 2

MONITORING WELL T-25S.GPJ September 16, 2012

Monitoring Well Construction Log

Aspect CONSULTING

Project Number	Well Number	Sheet
110003-01	AQ-MW-2	1 of 1

Project Name:	Terminal 25-S	Ground Surface Elev	
Location:	Seattle, Washington	Top of Casing Elev.	16.3
Driller/Method:	Cascade-Lynn / Geoprobe truck rig	Depth to Water (ft BGS)	7.2
Sampling Method:	Continuous	Start/Finish Date	10/21/2012

Depth / Elevation (feet)	Borehole Completion	Sample Type/ID	Tests	PID (ppm)	Blows/ 6"	Material Type	Description	Depth (ft)
	5"-diameter monument mounted flush in concrete			0			Asphalt	
							FILL Slightly moist, gray, black, and brown, silty, sandy GRAVEL (GM); crushed rock, base course	
				0			Moist to wet, brown to dark brown, slightly silty, gravelly SAND (SM); well-graded fine-to-coarse sand	
	3/4"-diameter Sch 40 PVC riser			0				
				0				
5	Hydrated bentonite chips			0				5
				0				
				0				
				0				
				0			Wet, brown and dark gray, silty SAND (SM); abundant wood debris	
				0				
10				0				10
				0				
				0				
				0				
	10-20 sand			0				
							HOLOCENE ALLUVIUM Wet, black, slightly silty SAND (SP-SM); poorly graded fine-to-medium sand, rare red clasts	
15				0				15
				0				
	3/4"-diameter 0.020"-slot Sch 40 PVC screen prepacked with 10-20 sand			0				
				0				
				0				
	Slip cap							
20							Bottom of boring at 20 ft,	20
							Water level datum is MLLW Epoch 1983-2001	

Sampler Type:
- No Recovery
- Continuous Core

PID - Photoionization Detector
- Static Water Level
- Water Level (ATD)

Logged by: Mv

Approved by: SJG

Figure No. A- 3

MONITORING WELL T-25S.GPJ September 16, 2012

Monitoring Well Construction Log

Aspect CONSULTING

Project Number	Well Number	Sheet
110003-01	AQ-MW-3	1 of 1

Project Name:	Terminal 25-S	Ground Surface Elev	
Location:	Seattle, Washington	Top of Casing Elev.	16.66
Driller/Method:	Cascade-Lynn / Geoprobe truck rig	Depth to Water (ft BGS)	7.5
Sampling Method:	Continuous	Start/Finish Date	10/21/2012

Depth / Elevation (feet)	Borehole Completion	Sample Type/ID	Tests	PID (ppm)	Blows/ 6"	Material Type	Description	Depth (ft)
	5"-diameter monument mounted flush in concrete			0			Asphalt	
							FILL Slightly moist, gray, black, and brown, silty, sandy GRAVEL (GM); crushed rock (base course)	
				0			Moist to wet, brown to dark brown, slightly silty, gravelly SAND (SM); poorly graded fine-to-medium sand	
	3/4"-diameter Sch 40 PVC riser			0			Seashell fragments	
				0				
5	Hydrated bentonite chips			0				5
				0				
				0				
				0			Becomes wet	
				0				
10				0			Sulfide-like odor	10
				0			Wood debris	
				0				
				0				
	10-20 sand			0			Wet, brown, silty SAND (SM)	
15				0				15
				0				
	3/4"-diameter 0.020"-slot Sch 40 PVC screen prepacked with 10-20 sand			0			**HOLOCENE ALLUVIUM** Wet, black, slightly silty SAND (SP-SM); poorly graded fine-to-medium sand, rare red clasts	
				0				
	Slip cap			0				
20							Bottom of boring at 20 ft,	20
							Water level datum is MLLW Epoch 1983-2001	

Sampler Type:
- No Recovery
- Continuous Core

PID - Photoionization Detector
- Static Water Level
- Water Level (ATD)

Logged by: Mv

Approved by: SJG

Figure No. A- 4

MONITORING WELL T-25S.GPJ September 16, 2012

Monitoring Well Construction Log

Aspect CONSULTING

Project Number	Well Number	Sheet
110003-01	AQ-MW-4	1 of 1

Project Name:	Terminal 25-S	Ground Surface Elev	
Location:	Seattle, Washington	Top of Casing Elev.	17.03
Driller/Method:	Cascade-Lynn / Geoprobe truck rig	Depth to Water (ft BGS)	7
Sampling Method:	Continuous	Start/Finish Date	10/21/2012

Depth / Elevation (feet)	Borehole Completion	Sample Type/ID	Tests	PID (ppm)	Blows/ 6"	Material Type	Description	Depth (ft)
	5"-diameter monument mounted flush in concrete			0			Asphalt	
							FILL Slightly moist, gray, black, and brown, silty, sandy GRAVEL (GM); crushed rock (base course)	
				0			Moist to wet, brown to dark brown, slightly silty, gravelly SAND (SM); poorly graded fine-to-medium sand	
	3/4"-diameter Sch 40 PVC riser			0				
				0				
5	Hydrated bentonite chips			0				5
				0			Brick debris	
				0			Becomes wet, silty.	
				0			Abundant woody debris	
				0				
10				0			Sulfide-like odor	10
				0			Wood debris	
				0				
				0				
	10-20 sand			0			Wet, brown, silty SAND (SM)	
15				0				15
				0				
	3/4"-diameter 0.020"-slot Sch 40 PVC screen prepacked with 10-20 sand			0			**HOLOCENE ALLUVIUM** Wet, black, slightly silty SAND (SP-SM); poorly graded fine-to-medium sand, rare red clasts	
				0				
	Slip cap			0				
20							Bottom of boring at 20 ft,	20
							Water level datum is MLLW Epoch 1983-2001	

Sampler Type:
- No Recovery
- Continuous Core

PID - Photoionization Detector
- Static Water Level
- Water Level (ATD)

Logged by: Mv

Approved by: SJG

Figure No. A- 5

MONITORING WELL T-25S.GPJ September 16, 2012

Sediment Core Log

CORE: EW10-SC06

Project: **East Waterway SRI/FS**	Location: **East Waterway**	Tube Length (ft): **14.55**
Project #: **060003-01.17**	Water Elevation (ft)/Tide: **8.3**	Penetration Depth (ft): **14.35**
Client: **Port of Seattle**	Water Depth (ft): **36.3**	Recovery Length (ft): **11.55**
Collection Date: **2/22/2010**	Surveyed Mudline Elevation (ft): **-29.4**	Process Date: **2/23/2010**
Contractor: **AMEC**	N/LAT: **47 34.3570 N** E/LONG: **122 20.6736 W**	Process Method: **Cut tube**
Vessel: **R/V Investigator**	Horiz. Datum: **WGS 84** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Gary Maxwell**	Method/Tube ID: **MudMole/3.88" sq**	Logged By: **LM/AO**

Recoverd Detph (ft)	Recovered Interval & Sample	Geotech Sample	Chemical Analysis	PID Measurement	Sediment Description Samples and Descriptions are in Recovered Depths In-Situ Depths Shown on Right Classification Scheme: USCS	*In-situ* Depth (ft) & Graphic Log
0–2	EW10-SC06-0-2		SVOC, PCB, Metals, TOC/TS, GS, Butyltins	2	(ML) Moist, soft, black, clayey SILT, trace f-sand, trace subrounded f-gravel (1/2"-diameter). Silt is smooth and homogenous. Trace wood fragments and twigs, trace shell fragments. Moderate H2S odor. @ 1.8': Piece of glass, wood fragment (2.5"-long, cedar) @ 2': Thin bed of f-sandy, SILT (ML)	Recent
				69.9		
2–3	EW10-SC06-2-4		SVOC, PCB, Metals, TOC/TS, GS, Butyltins		(SP) Moist, medium dense, black, f-SAND. Sand grains are multicolored and are red, beige, black, white, and gray.	Transition
				72	(ML) Moist, medium stiff, olive gray, SILT. Substantial decomposed wood fragments (3"-long, brown). Moderate H2S odor.	
4–6	EW10-SC06-4-6		Mercury	170	@ 4.8': Wood piece (3"x 3"-wide) @ 5.1': Grades to damp, slightly clayey, SILT. Silt has a blocky texture. Occasional wood fragments, trace wood fibers (hair-like)	
				78		
				31		
6–7	EW10-SC06-6-7.4		Mercury	7.8		
				0	@ 6.9': Grades to slightly f-sandy, SILT. Trace wood fragments	
7–8	EW10-SC06-7				(SP) Damp, dense, dark gray, f-SAND and occasional pockets and stratified beds of SILT (ML) Moderate wood fragments (1"-long).	

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Footnote(1): Attempt 1 of 1

Footnote (2):

Calculated Recovery
Recovery Length/Penetration Depth:
11.55/14.35 ft 80.5%

Revised 6-16-2010

Sediment Core Log

CORE: EW10-SC06

Project: **East Waterway SRI/FS**	Location: **East Waterway**	Tube Length (ft): **14.55**
Project #: **060003-01.17**	Water Elevation (ft)/Tide: **8.3**	Penetration Depth (ft): **14.35**
Client: **Port of Seattle**	Water Depth (ft): **36.3**	Recovery Length (ft): **11.55**
Collection Date: **2/22/2010**	Surveyed Mudline Elevation (ft): **-29.4**	Process Date: **2/23/2010**
Contractor: **AMEC**	N/LAT: **47 34.3570 N** E/LONG: **122 20.6736 W**	Process Method: **Cut tube**
Vessel: **R/V Investigator**	Horiz. Datum: **WGS 84** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Gary Maxwell**	Method/Tube ID: **MudMole/3.88" sq**	Logged By: **LM/AO**

Recoverd Detph (ft)	Recovered Interval & Sample	Geotech Sample	Chemical Analysis	PID Measurement	Sediment Description Samples and Descriptions are in Recovered Depths In-Situ Depths Shown on Right Classification Scheme: USCS	*In-situ* Depth (ft) & Graphic Log
8–11.4	EW10-SC06-7.4-10 EW10-SC06-10-11.4		Mercury Archive	0 0	(SP) Damp, dense, dark gray, f-SAND and occasional pockets and stratified beds of SILT (ML) Moderate wood fragments (1"-long). @ 8.9': Wood chunk (3.5"-long, yellow) (SM) Damp, dense, dark gray, slightly silty, f-SAND and occasional laminated and stratified beds of SILT (ML). Moderate wood fragments. @ 11.4': Decomposed wood chunk (3"-long, cedar) End of core at 11.45'.	Transition Native

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Footnote(1): Attempt 1 of 1

Footnote (2):

Calculated Recovery
Recovery Length/Penetration Depth:
11.55/14.35 ft 80.5%

Revised 6-16-2010

Sediment Core Log

CORE: EW10-SC08

Project: **East Waterway SRI/FS**	Location: **East Waterway**	Tube Length (ft): **14.55**
Project #: **060003-01.17**	Water Elevation (ft)/Tide: **10.1**	Penetration Depth (ft): **14.32**
Client: **Port of Seattle**	Water Depth (ft): **45.4**	Recovery Length (ft): **12.32**
Collection Date: **2/22/2010**	Surveyed Mudline Elevation (ft): **-36.1**	Process Date: **2/23/2010**
Contractor: **AMEC**	N/LAT: **47 34.4087 N** E/LONG: **122 20.6430 W**	Process Method: **Cut tube**
Vessel: **R/V Investigator**	Horiz. Datum: **WGS 84** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Gary Maxwell**	Method/Tube ID: **MudMole/3.88" sq**	Logged By: **LM/AO**

Recoverd Detph (ft)	Recovered Interval & Sample	Geotech Sample	Chemical Analysis	PID Measurement	Sediment Description Samples and Descriptions are in Recovered Depths In-Situ Depths Shown on Right Classification Scheme: USCS	*In-situ* Depth (ft) & Graphic Log
0–2	EW10-SC08-0-2		SVOC, PCB, Metals, TOC/TS, GS	0.1	(ML) Moist, medium stiff, black with olive gray mottling, slightly sandy, very clayey SILT. Silt is smooth and homogenous. Trace biota (worm) and rootlets. Moderate H2S odor.	Recent
2–4	EW10-SC08-2-4		SVOC, PCB, Metals, TOC/TS, GS	15.2 1.7	@ 2': Grades to soft @ 2.5': Grades to blocky. Trace shell fragments. Trace metallic sheen and moderate HC-like odor.	
4–6	EW10-SC08-4-6		Archive	0	(ML) Moist, soft, olive gray, slightly clayey, SILT. Silt is smooth and homogeneous. Trace fresh wood fragments (1"-long, yellow/brown). Trace HC-like odor. @ 6': Bone piece (2.5"-long)	
6–8	EW10-SC08-6-8		SVOC, PCB, Mercury, Cadmium	0		

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Footnote(1): Attempt 1 of 1

Footnote (2):

Calculated Recovery
Recovery Length/Penetration Depth:
12.32/14.32 ft = 86.0%

Revised 6-16-2010

Sediment Core Log

CORE: EW10-SC08

Project: **East Waterway SRI/FS**	Location: **East Waterway**	Tube Length (ft): **14.55**
Project #: **060003-01.17**	Water Elevation (ft)/Tide: **10.1**	Penetration Depth (ft): **14.32**
Client: **Port of Seattle**	Water Depth (ft): **45.4**	Recovery Length (ft): **12.32**
Collection Date: **2/22/2010**	Surveyed Mudline Elevation (ft): **-36.1**	Process Date: **2/23/2010**
Contractor: **AMEC**	N/LAT: **47 34.4087 N** E/LONG: **122 20.6430 W**	Process Method: **Cut tube**
Vessel: **R/V Investigator**	Horiz. Datum: **WGS 84** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Gary Maxwell**	Method/Tube ID: **MudMole/3.88" sq**	Logged By: **LM/AO**

Recoverd Detph (ft)	Recovered Interval & Sample	Geotech Sample	Chemical Analysis	PID Measurement	Sediment Description Samples and Descriptions are in Recovered Depths In-Situ Depths Shown on Right Classification Scheme: USCS	*In-situ* Depth (ft) & Graphic Log
8–9	EW10-SC08-8-9.4		Mercury	0	(SM) Damp, medium dense, dark gray, slightly silty, f-SAND and trace pockets and laminated beds of SILT (ML). Sand grains are multicolored and are red, beige, black, white, and gray. Occasional decomposed wood fragments (1"-long, cedar) and layers of wood fragments (1/16"-long).	Recent
9–11	EW10-SC08-9.4-11		Mercury	0		Native
11–12.5	EW10-SC08-11-12.5		Archive	0	(SP) Moist, medium dense, dark gray, f-SAND. (ML) Moist, soft, light gray, SILT. (SP) Moist, medium dense, dark gray, f-SAND. @ 12.4': Winnowing to end of core End of core at 12.65'.	

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Footnote(1): Attempt 1 of 1

Footnote (2):

Calculated Recovery
Recovery Length/Penetration Depth:
12.32/14.32 ft = 86.0%

Revised 6-16-2010

Sediment Core Log

CORE: EW10-SC09

Project: **East Waterway SRI/FS**	Location: **East Waterway**	Tube Length (ft): **15**
Project #: **060003-01.17**	Water Elevation (ft)/Tide: **8.2**	Penetration Depth (ft): **14**
Client: **Port of Seattle**	Water Depth (ft): **46.3**	Recovery Length (ft): **13.1**
Collection Date: **3/8/2010**	Surveyed Mudline Elevation (ft): **-40.4**	Process Date: **3/9/2010**
Contractor: **MSS**	N/LAT: **47 34.4207 N** E/LONG: **122 20.5875 W**	Process Method: **Cut tube**
Vessel: **R/V Nancy Anne**	Horiz. Datum: **WGS 84** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75" round**	Logged By: **LM/ML**

Recoverd Detph (ft)	Recovered Interval & Sample	Geotech Sample	Chemical Analysis	PID Measurement	Sediment Description (Samples and Descriptions are in Recovered Depths; In-Situ Depths Shown on Right; Classification Scheme: USCS)	*In-situ* Depth (ft) & Graphic Log
0	EW10-SC09-0-2		SVOC, PCB, Metals, TOC/TS, GS	0	(ML) Wet to moist, soft, olive gray grading to black, m-sandy, clayey SILT. Trace organics, wood fragments (1"-long), and shell fragments. Strong H2S odor.	Recent
				2.5		
1				9.3	@ 0.9': Wood fragment (3"-long)	
					@ 1-1.2': Agglomerate of asphalt, barnacles and shells fused together (3.75"-long)	
				7.8		
2	EW10-SC09-2-4			16.8	@ 2.3': Agglomerate of asphalt, barnacles and shells fused together (3"-long). Strong H2S odor	
3			SVOC, PCB, Metals, TOC/TS, GS	3.7		
					@ 3.8': 1" Layer of wood fragments and fibers (2"-long)	
4	EW10-SC09-4-6			0.3	@ 4.1': Grades to fissured texture. Piece of subangular c-gravel (1"-diameter)	
5			Archive	0		
					@ 5.5': 1" layer of wood fragments (2"-long) and c-gravel (1.5"-diameter)	
6	EW10-SC09-6-7.2				@ 6.2': Layer of shell fragments (1/2"-diameter)	
			SVOC, PCB, Mercury		@ 6.8': Piece of glass (1"-long) and piece of flexible plastic (4"-long). Strong H2S odor	
7				0		
	EW10-SC09-7.2-8				(SP) Damp, medium dense, dark gray, f-SAND. Sand grains are multicolored and are red, beige, black, white, and gray.	
8					(SP) Damp, medium dense, dark gray, f-SAND and moderate laminated and stratified beds of damp, medium stiff,	Native

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Footnote(1): Attempt 1 of 1

Footnote (2):

Calculated Recovery
Recovery Length/Penetration Depth:
13.1/14 ft = 93.6%

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Sediment Core Log

CORE: EW10-SC09

Project: **East Waterway SRI/FS**	Location: **East Waterway**	Tube Length (ft): **15**
Project #: **060003-01.17**	Water Elevation (ft)/Tide: **8.2**	Penetration Depth (ft): **14**
Client: **Port of Seattle**	Water Depth (ft): **46.3**	Recovery Length (ft): **13.1**
Collection Date: **3/8/2010**	Surveyed Mudline Elevation (ft): **-40.4**	Process Date: **3/9/2010**
Contractor: **MSS**	N/LAT: **47 34.4207 N** E/LONG: **122 20.5875 W**	Process Method: **Cut tube**
Vessel: **R/V Nancy Anne**	Horiz. Datum: **WGS 84** Vert. Datum: **MLLW**	Sample Quality: **Good**
Operator: **Bill Jaworski**	Method/Tube ID: **Vibracore/3.75" round**	Logged By: **LM/ML**

Recoverd Detph (ft)	Recovered Interval & Sample	Geotech Sample	Chemical Analysis	PID Measurement	Sediment Description Samples and Descriptions are in Recovered Depths In-Situ Depths Shown on Right Classification Scheme: USCS	*In-situ* Depth (ft) & Graphic Log
8–16	EW10-SC09-7.2-9.2 EW10-SC09-9.2-11.2 EW10-SC09-11.2-12.5		Mercury Mercury Archive	0 0	(SP) Damp, medium dense, dark gray, f-SAND and moderate laminated and stratified beds of damp, medium stiff, olive gray, SILT (ML). Sand grains are multicolored and are red, beige, black, white, and gray. @ 11.8': Grades to trace fresh wood fragments (1/2"-long, orange) End of core at 12.5'.	Native

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Footnote(1): Attempt 1 of 1

Footnote (2):

Calculated Recovery
Recovery Length/Penetration Depth:
13.1/14 ft = 93.6%

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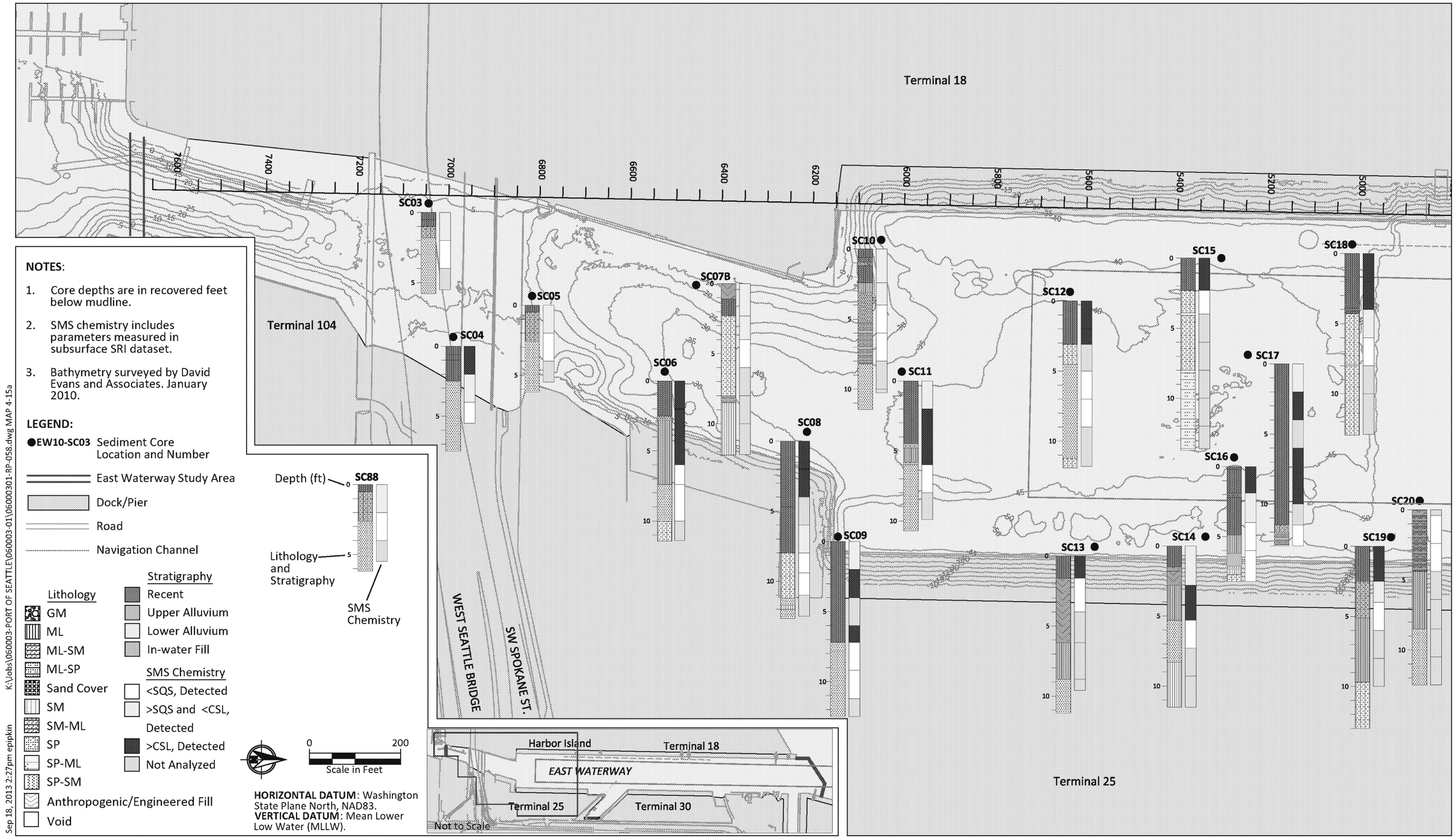

NOTES:

1. Core depths are in recovered feet below mudline.
2. SMS chemistry includes parameters measured in subsurface SRI dataset.
3. Bathymetry surveyed by David Evans and Associates. January 2010.

LEGEND:

- ●**EW10-SC03** Sediment Core Location and Number
- East Waterway Study Area
- Dock/Pier
- Road
- Navigation Channel

Depth (ft) — SC88 — Lithology and Stratigraphy — SMS Chemistry

Lithology	Stratigraphy	SMS Chemistry
GM	Recent	<SQS, Detected
ML	Upper Alluvium	>SQS and <CSL, Detected
ML-SM	Lower Alluvium	>CSL, Detected
ML-SP	In-water Fill	Not Analyzed
Sand Cover		
SM		
SM-ML		
SP		
SP-ML		
SP-SM		
Anthropogenic/Engineered Fill		
Void		

0 200
Scale in Feet

HORIZONTAL DATUM: Washington State Plane North, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

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Sep 18, 2013 2:27pm epipkin

Map 4-15a
Subsurface Sediment Core Profiles with SMS Chemistry
Supplemental Remedial Investigation
East Waterway Operable Unit

Soil Boring Log
SB-01

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW/EM**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20.0 ft**
Northing: **212686** Easting: **1267861**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/15/2019**
Depth to First Water ATD: **5.0 ft**	Elevation (ft MLLW): **16.0**	Date Completed: **1/15/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0							
				N/A		0-12 ft: Loose, dry, dark brown, POORLY GRADED SAND (SP), 100% fine to medium sand, trace gravel (subrounded, up to 0.5 inches).	
1	15				0		
2	14				0		
3	13				0.1		
4	12				0		
5	11	T25-SB01-0-10	Excavation		0.1	@5.0 ft: Grades to moist.	
6	10				1		
7	9				1		
8	8				0.1	@8.0 ft: Organic material (wood fragments, up to 3 inches).	
9	7				0.1	@9.0 ft: Grades to dark gray.	
10	6				0	@9.5-10.5 ft: Layer of organic material (wood fragments and fibers, up to 2 inches).	
11	5	T25-SB01-10-12	Full Suite		0		
12	4				0		
13	3	T25-SB01-12-14	Archive		0.1	12-17 ft: Loose, moist, dark gray, POORLY GRADED SAND WITH SILT (SP-SM), 85% fine to medium sand, 15% fines, substantial organic material (wood fragments, small fibers, sawdust).	
14	2				0.1	@13.5 ft: Pocket of medium stiff, moist, dark gray, CLAYEY SILT (CL/ML), 100% fines.	
15	1	T25-SB01-14-16	Archive		0.2	@15-17 ft: Pockets of SANDY SILT (ML), 60% fines, 40% fine to medium sand.	
16	0				0		
17	-1	T25-SB01-16-18	Archive		0	Native Contact 17-20 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
18	-2				0		
19	-3	T25-SB01-18-20	Archive		0		
					0	End of boring @ 20.0 ft.	
20	-4						

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Soil Boring Log
SB-02

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW/CJ**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **25.0 ft**
Northing: **212488** Easting: **1267549**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/15/2019**
Depth to First Water ATD: **4.0 ft**	Elevation (ft MLLW): **12.4**	Date Completed: **1/15/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	12						
1	11	T25-SB02-0-1.5 T25-SB02-0-3	Geotech Excavation	6	0	0-0.5 ft: Dry, loose, dark brown, POORLY GRADED SAND WITH SILT (SP-SM), 80% fine to medium sand, 15% fines, 5% gravel (subrounded, up to 3 inches), moderate organic material (roots, fibers), moderate anthropogenic material (plastic).	
2	10				0	0.5-17.7 ft: Dry, loose, dark brown, POORLY GRADED SAND (SP), 95% fine to medium sand, 5% fine to coarse gravel (subrounded, up to 2 inches), trace fines, trace organic material (wood fragments, roots), trace anthropogenic material (metal, paint).	
3	9				0		
4	8	T25-SB02-3-5	Full Suite		0	@4.0 ft: Grades to moist. @4.3 ft: Anthropogenic material (metal piece, up to 4 inches)	
5	7				0		
6	6	T25-SB02-5-7	Archive		0.1	@5.3 ft: Grades to 100% fine to medium sand, trace fines, trace gravel (subrounded, up to 1 inch).	
7	5				0		
8	4	T25-SB02-7-9	Archive		0	@7.7-9.2 ft: Moderate organic material (wood fragments, up to 4 inches), slight H2S-like odor.	
9	3				0.1		
10	2				0		
11	1	T25-SB02-9-11 T25-SB02-10-11.5 T25-SB02-11-13	Archive Archive Archive	WHO	0.1		
12	0				0.1		
13	-1				0.1		
14	-2	T25-SB02-13-15	Archive		0.3	@13.5 ft: Anthropogenic material (brick, 2 inch piece). @14.5 ft: Anthropogenic material (concrete, 2 inches thick; brick, 2 inches thick).	
15	-3						
16	-4	T25-SB02-15-16.5 T25-SB02-15-17	Geotech Archive	2	0.1		
17	-5				0.4	@16.5 ft: Anthropogenic material (concrete, 2 inches thick).	
18	-6	T25-SB02-17-19 T25-SB02-18-18.1			5.7	17.7-18.8 ft: Layer of organic material (coarse wood, fibers, plug of 5 inches long and diameter of boring), slight H2S-like odor, slight other odor.	
19	-7	T25-SB02-19-21	Archive		19.5 0.8	Native Contact 18.8-25 ft: Dry, loose, dark brown, POORLY GRADED SAND (SP), 95% fine to medium sand, 5% fine to coarse gravel (subrounded, up to 2 inches), trace fines, trace organic material (wood fragments, roots), trace anthropogenic material (metal, paint).	
20							

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Soil Boring Log
SB-02

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW/CJ**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **25.0 ft**
Northing: **212488** Easting: **1267549**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/15/2019**
Depth to First Water ATD: **4.0 ft**	Elevation (ft MLLW): **12.4**	Date Completed: **1/15/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
20							
	-8	T25-SB02-20-20.1 T25-SB02-20-21.5	VOCs Geotech	2	0.1	18.8-25 ft: Dry, loose, dark brown, POORLY GRADED SAND (SP), 95% fine to medium sand, 5% fine to coarse gravel (subrounded, up to 2 inches), trace fines, trace organic material (wood fragments, roots), trace anthropogenic material (metal, paint).	
21	-9						
22	-10	T25-SB02-21-23	Archive		0.4	@20.0 ft: No organic material, 100% fine to medium sand, trace fines.	
23	-11						
24	-12	No Sample Observation Only			0.2	@23.5 ft: Trace pockets of moist, soft, light gray, low plasticity, CLAYEY SILT (CL/ML), 100% fines. End of boring @ 25.0 ft.	
25							

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Soil Boring Log
SB-03

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **76.5 ft**
Northing: **212415** Easting: **1267739**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/18/2019**
Depth to First Water ATD: **15.0 ft**	Elevation (ft MLLW): **15.8**	Date Completed: **1/18/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
						0-0.3 ft: ASPHALT.	
				47	0.4	0.3-2.4 ft: Loose, dry to moist, brown, SILTY SAND WITH GRAVEL (SM), 70% fine to coarse sand, 15% gravel (subangular to subrounded, up to 2 inches), 15% fines, trace organic material (roots).	
					0.2		
					0.1	2.4-6.8 ft: Loose, moist, brown to gray, POORLY GRADED SAND (SP), 85% fine to medium sand, 10% gravel (subrounded, up to 2 inches), 5% fines.	
		T25-SB03-0-7.5 T25-SB03-1-2.5 T25-SB03-5-6.5	Excavation Geotech Geotech		0.2		
					0.8		
				23	1.3		
					1.1	6.8-8.8 ft: Medium dense, moist, gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines, trace gravel (subrounded, up to 2 inches), trace organic material (sticks).	
		T25-SB03-7.5-9.5	Full Suite		0.2		
					0.2	8.8-13.5 ft: Soft, moist, dark brown, SANDY SILT (ML), 60% fines, 40% fine sand, substantial (30-50%) organic material (wood fragments, up to 6 inches; wood fibers; bark; sawdust), slight odor.	
		T25-SB03-9.5-11.5	PCBs, TS, TOC		2.2	@9.5-10.0 ft: Layer of substantial (50-70%) intact wood fragments, diameter of boring, up to 1 inch thick.	
					0.3		
		T25-SB03-11.5-13.5	Archive		0.2	@11.6-12.0 ft: Layer of substantial (70-90%) intact wood fragments, diameter of boring, up to 2 inches thick.	
					0.3		
		No Sample Observation Only			0.2	13.5-14.2 ft: Layer of 100% organic material (wood, up to 1 inch; bark fragments, up to 1 inch; wood fibers; sawdust).	
						14.2-15.0 ft: Loose, moist, gray, SILTY SAND (SM), 70% fine to medium sand, 30% fines.	
					0.1	15.0-19.0 ft: Loose, moist to wet, gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines, trace organic material (wood fibers, sticks).	
		T25-SB03-14.2-16.2 T25-SB03-15-16.5 T25-SB03-16.2-18.2	Archive Geotech Archive	5			
		T25-SB03-18.2-20.2	Archive			Native Contact 19.0-41.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	

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Soil Boring Log
SB-03

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **76.5 ft**
Northing: **212415** Easting: **1267739**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/18/2019**
Depth to First Water ATD: **15.0 ft**	Elevation (ft MLLW): **15.8**	Date Completed: **1/18/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
20							
21	-5	T25-SB03-20-21.5	Geotech	7		19.0-41.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
22	-6	No Sample Observation Only					
23	-7						
24	-8						
25	-9						
26	-10	T25-SB03-25-26.5	Geotech	13			
27	-11	No Sample Observation Only					
28	-12						
29	-13						
30	-14						
31	-15	T25-SB03-31-31.5	Geotech	29			
32	-16	No Sample Observation Only		18			
33	-17						
34	-18						
35	-19						
36	-20						
37	-21						
38	-22						
39	-23						
40	-24						

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Soil Boring Log
SB-03

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **76.5 ft**
Northing: **212415** Easting: **1267739**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/18/2019**
Depth to First Water ATD: **15.0 ft**	Elevation (ft MLLW): **15.8**	Date Completed: **1/18/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
40							
41	-25	T25-SB03-40-41.5	Geotech	WOR		19.0-41.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
42	-26	No Sample Observation Only				41.0-55.0 ft: Very soft, moist to wet, dark gray, SANDY SILT (ML), 80% silt, 20% fine sand. No plasticity, high dilatancy.	
43	-27						
44	-28	T25-SB03-44-45	Geotech				
45	-29					@45.0-47.0 ft: Shelby tube attempted @ 1155. Recovery=2.3 feet. Material at top is same as above.	
46	-30	T25-SB03-45-47	Geotech				
47	-31						
48	-32	No Sample Observation Only					
49	-33						
50	-34	T25-SB03-50-51.5 T25-SB03-50-51.5 (FD)	Geotech	12		@50.0-52.0 ft: Lenses and laminations of moist, medium dense, dark gray, fine, POORLY GRADED SAND (SP). PP=0.25-1.75 tsf. VT=0.125-0.175 kg/cm2.	
51	-35						
52	-36	No Sample Observation Only					
53	-37						
54	-38						
55	-39					55.0-55.5 ft: Loose, moist to wet, dark gray, POORLY GRADED SAND (SP).	
56	-40	T25-SB03-55-56.5	Geotech	15		@55.5-59.0 ft: Trace lenses of poorly graded sand. PP=0.5 ksf. VT=0.1 km/cm2	
57	-41	No Sample Observation Only					
58	-42						
59	-43	T25-SB03-59-60.5	Geotech	37		59.0-75.0 ft: Moist, dense, dark gray, fine, POORLY GRADED SAND (SP).	
60	-44						

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Soil Boring Log
SB-03

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **76.5 ft**
Northing: **212415** Easting: **1267739**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/18/2019**
Depth to First Water ATD: **15.0 ft**	Elevation (ft MLLW): **15.8**	Date Completed: **1/18/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
60							
		T25-SB03-59-60.5	Geotech	37		59.0-75.0 ft: Moist, dense, dark gray, fine, POORLY GRADED SAND (SP).	
61	-45	No Sample Observation Only				@59.0 ft: 1 foot heave up casing. First two N-values likely heave. Moist, dense, dark gray, fine, POORLY GRADED SAND (SP) with trace fines, 95% fine sand, 5% fines.	
62	-46						
63	-47						
64	-48						
65	-49						
66	-50	T25-SB03-65-66.5	Geotech			@65.0 ft: Sand heaved up 2 feet. No blows. Switch to water flushing rather than clean-out.	
67	-51	No Sample Observation Only					
68	-52						
69	-53						
70	-54						
71	-55	T25-SB03-70-71.5	Geotech	36		@70.0 ft: No heave. Trace laminations of moist, medium stiff, dark gray, SILT (ML) throughout.	
72	-56	No Sample Observation Only					
73	-57						
74	-58						
75	-59						
76	-60	T25-SB03-75-76.5	Geotech	23		75.0-76.5 ft: Slightly siltier (~10%), medium dense. @76.5 ft: End of boring @ 76.5 feet; 1440	

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Soil Boring Log
SB-04A

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **25.0 ft**
Northing: **212258** Easting: **1267516**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/16/2019**
Depth to First Water ATD: **11.2 ft**	Elevation (ft MLLW): **16.4**	Date Completed: **1/16/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	16	T25-SB04A-0-11 T25-SB04A-5-6.5 T25-SB04A-9-9.7	Excavation Geotech Geotech	50 (concrete)	0	0-5.5 ft: Loose, dry to moist, brown, POORLY GRADED SAND WITH GRAVEL (SP), 80% fine to medium sand, 15% fine to coarse gravel (subrounded, up to 4 inches), 5% fines.	
1	15				0		
2	14				0		
3	13				0	@2.5 ft: Moderate organic material (wood fragments, up to 2 inches; wood fibers).	
4	12				0	@4.0 ft: 4 inch diameter pocket of medium stiff, moist, gray, medium plasticity, CLAYEY SILT (CL/ML).	
5	11				0	5.5-6.1 ft: Loose, moist, gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines.	
6	10				0	6.1-7.0 ft: Loose, moist, gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
7	9				0.2	7.0-10.4 ft: Loose, moist, dark gray, SILTY SAND (SM), 85% fine to medium sand, 15% fines, trace gravel (subrounded, up to 1 inch), trace organic material (wood fragments, up to 2 inches; wood fibers).	
8	8				0	@8.1-8.3 ft: Layer of substantial organic material (wood fragments, up to 2 inches; wood fibers; bark; bark fibers).	
9	7				0		
10	6				0	10.4-11.0 ft: Loose, dry, light gray to white, powdered and crushed CONCRETE, pieces up to 3 inches in diameter, 70% fines, 20% fine to coarse gravel, 10% fine to coarse sand.	
11	5	T25-SB04A-11-13	Archive		0	@11-11.2 ft: Intact piece of concrete, diameter of boring.	
12	4				0	11.2-11.5 ft: Loose, wet, gray, POORLY GRADED SAND WITH GRAVEL (SP), 75% fine to medium sand, 20% gravel (subrounded, up to 1 inch), 5% fines, substantial (30-50%) organic material (wood fragments, up to 5 inches; wood fibers; bark), slight H2S-like odor, slight other odor.	
13	3	No Sample Observation Only			0	No recovery.	
14	2				0	13.0-15.0 ft: Loose, wet, gray, POORLY GRADED GRAVEL WITH SAND (GP), 60% coarse gravel (subrounded, up to 2 inches), 40% fine to medium sand, trace fines.	
15	1	T25-SB04A-15-16.5	Geotech		5.7	@14.6 ft: Substantial organic material (wood fragments and fibers, up to 4 inches).	
16	0			5	0	15.0-16.5 ft: Loose, wet, gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines.	
17	-1	No Sample Observation Only			0	Native Contact 16.5-25.0 ft: Loose, moist to wet, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
18	-2				0		
19	-3				0		
20							

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Soil Boring Log
SB-04A

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **25.0 ft**
Northing: **212258** Easting: **1267516**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/16/2019**
Depth to First Water ATD: **11.2 ft**	Elevation (ft MLLW): **16.4**	Date Completed: **1/16/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
20							
	-4	T25-SB04A-20-21.5	Geotech	9	0	16.5-25.0 ft:Loose, moist to wet, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
21	-5						
22	-6	No Sample Observation Only			0		
23	-7				0		
24	-8	T25-SB04A-24-25	Geotech		0	End of boring @ 25.0 ft.	
25					0		

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Soil Boring Log
SB-04B

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **25.0 ft**
Northing: **212254** Easting: **1267525**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/17/2019**
Depth to First Water ATD: **11.0 ft**	Elevation (ft MLLW): **16.5**	Date Completed: **1/17/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	16	No Sample Observation Only See sample T25-SB-04A		N/A	0.1	0-0.7 ft: Loose, dry, dark brown, POORLY GRADED SAND WITH GRAVEL (SP), 70% fine to medium sand, 15% fine to coarse gravel (subangular to subrounded, up to 1.5 inches), 5% fines.	
1	15				0	0.7-4.2 ft: Loose, dry to moist, brown, POORLY GRADED SAND (SP), 90% fine to medium sand, 10% fine to coarse gravel (subrounded, up to 1.5 inches), trace fines.	
2	14				0		
3	13				0		
4	12				4.8	4.2-5.0 ft: Loose, moist, dark gray, SILTY SAND (SM), 75% fine sand, 25% fines. @4.4-4.5 ft: Pocket of CLAYEY SILT (CL/ML), diameter of boring.	
5	11				0.7	5.0-6.0 ft: Loose, dry, light gray, powdered and crushed CONCRETE, pieces up to 3 inches.	
6	10				0	6.0-6.7 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
7	9				0.1	6.7-9.0 ft: Loose, moist, dark gray to black, SILTY SAND (SM), 70% fine to medium sand, 30% fines, substantial (30-50%) organic material (wood fragments, up to 4 inches; wood fibers; sticks), moderate anthropogenic material (brick fragments, nail). @8.4 ft: Anthropogenic material (brick fragment, 5 inches long).	
8	8				0		
9	7				0.7	9.0-11.0 ft: Loose, dry, light gray, powdered and crushed CONCRETE, pieces up to 4 inches, anthropogenic material (rebar, 3 inches long).	
10	6				1.3		
11	5	T25-SB04B-11-13 T25-SB04B-12.3-12.4	Full Suite VOCs		1.5	11.0-14.2 ft: Loose, moist, gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace gravel (subrounded, up to 1 inch), trace fines. @12.5-13.0 ft: Layer of substantial (50-70%) organic material (wood fragments, up to 6 inches; wood fibers) with SILTY GRAVEL (GM) matrix, 60% gravel (subangular to subrounded, up to 2 inches), 30% fines, 10% fine to coarse sand.	
12	4				59.4		
13	3	T25-SB04B-13-15	Archive		0.7	@13.8-14.0 ft: Layer of substantial (30-50%) organic material (wood fibers, sticks, sawdust).	
14	2				17.9	14.2-17.0 ft: Loose, moist to wet, gray, SILTY SAND (SM), 60% fine to medium sand, 40% fines, trace organic material (wood fibers), slight H2S-like odor.	
15	1	T25-SB04B-15-17 T25-SB04B-15.7-15.8	Archive VOCs		4.2		
16	0				0	17.0-18.0 ft: Loose, moist to wet, gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines, trace organic material (sticks, wood fibers).	
17	-1	T25-SB04B-17-19	Archive		1.7	Native Contact 18.0-25.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines, trace organic material (wood fibers, sticks).	
18	-2				0		
19	-3	T25-SB04B-19-21	Archive		0		
20							

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Notes: Excavation Suite: TCLP metals, SVOCs, PAHs, TPH-Dx, Total Solids
Full Suite: Total Metals, SVOCs, PAHs, PCB Aroclors, Dioxins/Furans, Total Solids, TOC

Soil Boring Log
SB-04B

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **25.0 ft**
Northing: **212254** Easting: **1267525**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/17/2019**
Depth to First Water ATD: **11.0 ft**	Elevation (ft MLLW): **16.5**	Date Completed: **1/17/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
20							
	-4	T25-SB04B-19-21	Archive			18.0-25.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines, trace organic material (wood fibers, sticks).	
21					0		
	-5						
22					0		
	-6	No Sample Observation Only					
23					0		
	-7						
24					0.1		
	-8					End of boring @ 25.0 ft.	
25					0		

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Full Suite: Total Metals, SVOCs, PAHs, PCB Aroclors, Dioxins/Furans, Total Solids, TOC

Soil Boring Log
SB-05

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW/EM**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20.0 ft**
Northing: **212720** Easting: **1267696**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/15/2019**
Depth to First Water ATD: **N/A**	Elevation (ft MLLW): **10.7**	Date Completed: **1/15/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	10	T25-SB05-0-4	Excavation	N/A	0	0-5.0 ft: Loose, moist, dark brown, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
1	9				0		
2	8				0	@2.0-5.0 ft: Substantial organic material (wood fragments, up to 3 inches; bark fragments, up to 3 inches; bark fibers), slight H2S-like odor.	
3	7				0.3		
4	6	T25-SB05-4-6	Full Suite		0		
5	5				6.9	5.0-8.0 ft: Soft, moist, dark brown to gray, low plasticity, SANDY SILT (ML), 60% fines, 40% fine to medium sand, substantial organic material (wood fragments, up to 3 inches; sawdust; wood fibers), slight H2S-like odor.	
6	4	T25-SB05-6-8	Archive		6.3		
7	3				1.97.5		
8	2	T25-SB05-8-10	Archive		3.1	8.0-9.0 ft: Soft, moist, dark gray, SILT WITH SAND (ML), 75% fines, 25% fine to medium sand.	
9	1				0.1	Native Contact 9.0-20.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
10	0	T25-SB05-10-12	Archive		0.1		
11	-1				0.1		
12	-2	T25-SB05-12-14	Archive		0.1		
13	-3				0.1		
14	-4	T25-SB05-14-16	Archive		0.1		
15	-5				0.2		
16	-6	T25-SB05-16-18	Archive		0.1		
17	-7				0.1		
18	-8	T25-SB05-18-20	Archive		0.1	@19.0 ft: Pockets of soft, moist, dark gray, low plasticity, SILT (ML), up to 1.5 inches.	
19	-9				0.1	End of boring @ 20.0 ft.	
20							

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Notes: Excavation Suite: TCLP metals, SVOCs, PAHs, TPH-Dx, Total Solids
Full Suite: Total Metals, SVOCs, PAHs, PCB Aroclors, Dioxins/Furans, Total Solids, TOC

Soil Boring Log
SB-06

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW/EM**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20.0 ft**
Northing: **212606** Easting: **1267669**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/15/2019**
Depth to First Water ATD: **N/A**	Elevation (ft MLLW): **10.4**	Date Completed: **1/15/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	10	T25-SB06-0-2	Full Suite	N/A	0	0-12.0 ft: Loose, moist, dark brown, POORLY GRADED SAND (SP), 90% fine to medium sand, 10% fine to coarse gravel (subrounded, up to 3 inches), trace fines. @0-6.0 ft: Trace pockets of CLAYEY SILT (CL-ML), up to 1 inch diameter.	
1	9				0		
2	8	T25-SB06-2-4	Archive		0		
3	7				0.1		
4	6	T25-SB06-4-6	Archive		0	@5.0 ft: Trace organic material (wood fragments, up to 1 inch; bark fragments, up to 1 inch).	
5	5				0		
6	4	T25-SB06-6-8	Archive		0		
7	3				0		
8	2	T25-SB06-8-10	Archive		0.8	@9.0-12.0 ft: Substantial organic material (wood fragments, up to 6 inches; wood fibers), slight H2S-like odor.	
9	1				0		
10	0	T25-SB06-10-14	Archive		1.8	12.0-14.0 ft: Layer of intact wood fragments, diameter of boring, trace fine to medium sand, trace fines, slight H2S-like odor.	
11	-1				8.8		
12	-2				0.1	Native Contact 14.0-20.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
13	-3	T25-SB06-14-16	Archive		0.3		
14	-4				0.1		
15	-5	T25-SB06-16-18	Archive		0		
16	-6				0		
17	-7	T25-SB06-18-20	Archive		0		
18	-8				0	End of boring @ 20.0 ft.	
19	-9						
20							

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Full Suite: Total Metals, SVOCs, PAHs, PCB Aroclors, Dioxins/Furans, Total Solids, TOC

Soil Boring Log
SB-07

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW/EM**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **25.0 ft**
Northing: **212478** Easting: **1267846**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/15/2019**
Depth to First Water ATD: **5.0 ft**	Elevation (ft MLLW): **14.9**	Date Completed: **1/15/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0							
1	14			N/A	0	0-11.0 ft: Loose, dry, light brown, POORLY GRADED SAND WITH GRAVEL (SP), 80% fine to medium sand, 15% fine gravel (subrounded, up to 1 inch), 5% fines, trace anthropogenic material (brick fragments).	
2	13				0		
3	12				0		
4	11	T25-SB07-0-8	Excavation		0		
5	10				0	@5.0 ft: Grades to wet.	
6	9						
7	8				0		
8	7				0		
9	6	T25-SB07-8-10	Full Suite		0.1		
10	5				0.1		
11	4	T25-SB07-10-12	Archive		0.4		
12	3				14.1	11.0-13.5 ft: Loose, moist, dark brown, SILTY SAND (SM), 80% fine to medium sand, 20% fines, substantial organic material (wood fragments, up to 3 inches; sawdust; fine wood fibers), slight HC-ike odor.	
13	2	T25-SB07-12-14 T25-SB07-13.4-13.5	Archive VOCs		8.8 13.6		
14	1	No Sample Wood Only			0.3	13.5-15.0 ft: Layer of intact organic material, cohesive wood, diameter of boring, trace fines.	
15	0				1.0		
16	-1	T25-SB07-15-17	Archive		0.1	Native Contact 15.0-25.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
17	-2				0.1		
18	-3	T25-SB07-17-19	Archive		0.1	@18.3 ft: Organic material (wood fragments, up to 6 inches).	
19	-4	T25-SB07-19-21	Archive		0.1		
20	-5						

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Notes: Excavation Suite: TCLP metals, SVOCs, PAHs, TPH-Dx, Total Solids
Full Suite: Total Metals, SVOCs, PAHs, PCB Aroclors, Dioxins/Furans, Total Solids, TOC

Soil Boring Log
SB-07

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW/EM**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **25.0 ft**
Northing: **212478** Easting: **1267846**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/15/2019**
Depth to First Water ATD: **5.0 ft**	Elevation (ft MLLW): **14.9**	Date Completed: **1/15/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
20	-5	T25-SB07-19-21	Archive			15.0-25.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
21	-6						
22	-7						
23	-8	No Sample Observation Only					
24	-9					End of boring @ 25.0 ft.	
25	-10						

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Full Suite: Total Metals, SVOCs, PAHs, PCB Aroclors, Dioxins/Furans, Total Solids, TOC

Soil Boring Log
SB-08

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20.0 ft**
Northing: **212430** Easting: **1267536**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/17/2019**
Depth to First Water ATD: **11.2 ft**	Elevation (ft MLLW): **16.4**	Date Completed: **1/17/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	16	T25-SB08-0-12 T25-SB08-10-12	Excavation Archive	N/A	0	0-3.0 ft: Loose, dry to moist, dark brown to brown, POORLY GRADED SAND WITH GRAVEL (SP), 75% fine and coarse sand, 20% fine to coarse gravel (subangular to subrounded, up to 3 inches), 5% fines. @0-0.4 ft: Trace organic material (roots).	
1	15				0		
2	14				0		
3	13				0	3.0-9.0 ft: Loose, moist, brown, POORLY GRADED SAND (SP), 90% fine to medium sand, 5% gravel (subrounded, up to 1.5 inches), 5% fines.	
4	12				0		
5	11				0		
6	10				0		
7	9				0		
8	8				0.1	@8.7 ft: Pocket of gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines.	
9	7				0	9.0-9.5 ft: Layer of 100% organic material (wood fragments and fibers up to boring diameter).	
10	6				3.6	9.5-10.0 ft: Soft, moist, dark brown, SANDY SILT (ML), 60% fines, 40% fine sand, substantial (50-70%) organic material (wood bark, fibers, and fragments up to 3 inches), Slight odor.	
11	5				4.5	10.0-11.2 ft: Loose, moist, brown, POORLY GRADED SAND (SP), 95% fine to medium sand, 5% fines, trace organic material (wood fibers), slight odor.	
12	4				7.9	11.2-12.7 ft: Soft, moist to wet, dark brown, SANDY SILT (ML), 70% fines, 30% fine to medium sand, substantial (50-70%) organic material (wood fibers and fragments up to 4 inches). @11.5-11.9 ft: Layer of 100% organic material (wood fragments), slight solvent-like odor.	
13	3	T25-SB08-12-14	Full Suite		0	12.7-13.9 ft: Very soft, wet, gray, SILTY SAND (SM), 70% fine to coarse sand, 30% fines, trace gravel (subrounded, up to 1.5 inches), trace organic material (wood fibers).	
14	2	T25-SB08-14.2-14.3	VOCs		23.7	13.9-14.7 ft: Soft, wet, dark brown, SANDY SILT (ML), 70% fines, 30% fine to medium sand, substantial (50-70%) organic material (wood fibers and fragments up to 6 inches), slight solvent-like odor.	
15					7.7	14.7-15.3 ft: Layer of 100% organic material (wood fragments).	

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Notes: Excavation Suite: TCLP metals, SVOCs, PAHs, TPH-Dx, Total Solids
Full Suite: Total Metals, SVOCs, PAHs, PCB Aroclors, Dioxins/Furans, Total Solids, TOC

Soil Boring Log
SB-08

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20.0 ft**
Northing: **212430** Easting: **1267536**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/17/2019**
Depth to First Water ATD: **11.2 ft**	Elevation (ft MLLW): **16.4**	Date Completed: **1/17/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
15							
	1	T25-SB08-14-16	Archive			14.7-15.3 ft: Layer of 100% organic material (wood fragments).	
16					4.1	15.3-16.5 ft: Soft, moist, gray, SANDY SILT (ML), 70% fines, 30% fine to medium sand. @15.3-15.9 ft: Moderate organic material (sawdust), slight solvent-like odor.	
	0						
17		T25-SB08-16-18 T25-SB08-17.2-17.3	Archive VOCs		1.8	16.5-17.3 ft: Loose, moist, dark gray, SILTY SAND (SM), 70% fine to medium sand, 30% fines, slight H2S-like odor. 16.5-16.9 ft: Layer of substantial (30-50%) organic material (wood fragments, up to 3 inches; wood fibers).	
	-1						
18					0	17.3-18.2 ft: Loose, moist, dark gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines.	
	-2						
19		T25-SB08-18-20	Archive		0	Native Contact 18.2-20.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
	-3						
20					0	End of boring @ 20.0 ft.	

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Notes: Excavation Suite: TCLP metals, SVOCs, PAHs, TPH-Dx, Total Solids
Full Suite: Total Metals, SVOCs, PAHs, PCB Aroclors, Dioxins/Furans, Total Solids, TOC

Soil Boring Log
SB-09

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20.0 ft**
Northing: **212374** Easting: **1267692**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/17/2019**
Depth to First Water ATD: **12.2 ft**	Elevation (ft MLLW): **15.6**	Date Completed: **1/17/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	15	T25-SB09-0-8	Excavation	N/A		0-0.2 ft: ASPHALT.	
1	14				0	0.2-2.6 ft: Loose, dry, brown, POORLY GRADED SAND WITH GRAVEL (SP), 70% fine and coarse sand, 20% fine to coarse gravel, 5% fines. @0.6 ft: Grades to dry to moist soil, 80% fine to medium sand, 15% fine to coarse gravel (subrounded, up to 2 inches), 5% fines.	
2	13				0		
3	12				0.7	2.6-3.2 ft: CONCRETE.	
4	11				0	3.2-6.0 ft: Loose, dry to moist, gray, POORLY GRADED SAND WITH GRAVEL (SP), 80% fine to medium sand, 15% fine to coarse gravel (subrounded up to 2 inches), 5% fines.	
5	10				0	@5.0 ft: Layer of substantial organic material (bark chips).	
6	9				0	@5.8-6.0 ft: Layer of dark brown to gray, SILTY SAND (SM).	
7	8				0.1	6.0-9.1 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 90% fine to medium sand, 5% gravel (subrounded, up to 2 inches), 5% fines, trace organic material (wood fibers and fragments up to 2 inches).	
8	7	T25-SB09-8-9.1	Full Suite		9.7		
9	6	T25-SB09-9.1-10 T25-SB09-9.9-10 T25-SBS9-9.9-10 (FD)	Full Suite VOCs VOCs		13.7	9.1-10.0 ft: Loose, moist, brown, SILTY SAND (SM), 60% fine sand, 40% fines, substantial organic material (wood fragments and fibers), moderate anthropogenic material (white, fluffy fibers), slight solvent-like odor.	
10	5	T25-SB09-10-13 @945 T25-SB09-10-13 @0947	PCBs TS, TOC		100.7	10.0-12.2 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines, pockets of substantial organic material (wood fragments, fibers, pulp), up to 1.5 inches in diameter, moderate solvent-like odor.	
11	4				7.0		
12	3				18.0	12.2-13.0 ft: Loose, wet, gray, SILTY SAND (SM), 85% fine to medium sand, 15% fines, substantial organic material (wood fibers and fragments, up to 6 inches), moderate solvent-like odor.	
13	2	No Sample Observation Only			6.0	13.0-15.0 ft: Layer of 100% intact organic material (wood diameter of boring), strong solvent-like odor.	
14	1				104		
15	0	T25-SB09-15-17 T25-SB09-15.5-15.6	Archive VOC		167	Native Contact 15.0-20.0 ft: Loose, moist to wet, dark gray, POORLY GRADED SAND (SP), 95% fine to medium sand, 5% fines, trace pockets of SILT (ML) up to one inch.	
16	-1				0		
17	-2	T25-SB09-17-19	Archive		0.1		
18	-3				0.1		
19	-4	T25-SB09-19-20	Archive		0.2	End of boring @ 20.0 ft.	
20							

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Full Suite: Total Metals, SVOCs, PAHs, PCB Aroclors, Dioxins/Furans, Total Solids, TOC

Soil Boring Log
SB-10

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20.0 ft**
Northing: **212294** Easting: **1267921**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/16/2019**
Depth to First Water ATD: **10.0 ft**	Elevation (ft MLLW): **16.4**	Date Completed: **1/16/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0							
1	16	T25-SB10-0-2	Full Suite	N/A	0	0-0.5 ft: ASPHALT (1.5 to 2 inches thick, 4 layers total) interspersed with loose, dry, brown, POORLY GRADED SAND WITH GRAVEL (SP), 75% fine and coarse sand, 20% gravel (subangular to surrounded up to 1 inch), 5% fines.	
2	15				1.4	0.5-1.6 ft: Loose, dry, gray, POORLY GRADED SAND (SP), 85% fine to medium sand, 10% gravel (subrounded up to 1 inch), 5% fines.	
3	14	T25-SB10-2-4	Archive		0.1	1.6-5.4 ft: Loose, dry to moist, gray, POORLY GRADED SAND WITH GRAVEL, 70% fine to medium sand, 25% fine to coarse gravel (subangular to subrounded up to 2 inches), 5% fines.	
4	13				0		
5	12	T25-SB10-4-6	Archive		0		
6	11				0	5.4-6.4 ft: Loose, moist, gray, SILTY SAND WITH GRAVEL (SM), 70% fine to medium sand, 15% gravel (subrounded, up to 3 inches), 15% fines.	
7	10	T25-SB10-6-8	Archive		0	6.4-7.0 ft: Loose, moist, gray, POORLY GRADED SAND (SP), 90% fine to medium sand, 10% gravel (subrounded, up to 3 inches), trace fines.	
8	9				0.4	7.0-8.1 ft: Loose, moist, gray, SILTY SAND WITH GRAVEL (SM), 70% fine to medium sand, 15% gravel (subrounded, up to 1.5 inches), 15% fines.	
9	8	T25-SB10-8-10 T25-SB10-9.5-9.6	Archive VOCs		5.7	8.1-12.0 ft: Loose, moist, dark brown to gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines, substantial organic material (wood fibers and fragments up to 3 inches), slight H2S-like odor, slight other odor.	
10	7				13.4	@9.3-10.0 ft: Layer of 100% organic material (wood fibers and fragments up to 2 inches; bark fibers and fragments).	
11	6	T25-SB10-10-12 T25-SB10-10.2-10.3	Archive VOCs		0		
12	5				0	12.0-13.5 ft: Loose, moist, gray, POORLY GRADED SAND (SP), 90% fine to medium sand, 5% gravel (subrounded, up to 1 inch), 5% fines.	
13	4	T25-SB10-12-14	Archive		0.1		
14	3				0.4	13.5-15.0 ft: Layer of 100% organic material (wood and bark fibers and fragments up to 4 inches).	
15	2	T25-SB10-14-16	Archive		3.2	Native Contact 15.0-20.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines, trace organic material (wood fragments up to 4 inches; sticks; twigs).	
16	1				0		
17	0	T25-SB10-16-18	Archive		0		
18	-1				0		
19	-2	T25-SB10-18-20	Archive		0	End of boring @ 20.0 ft.	
20	-3						

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Notes: Excavation Suite: TCLP metals, SVOCs, PAHs, TPH-Dx, Total Solids
Full Suite: Total Metals, SVOCs, PAHs, PCB Aroclors, Dioxins/Furans, Total Solids, TOC

Soil Boring Log
SB-11

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20.0 ft**
Northing: **212234** Easting: **1267637**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/17/2019**
Depth to First Water ATD: **11.0 ft**	Elevation (ft MLLW): **17.0**	Date Completed: **1/17/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	17			N/A		0.0-0.2 ft: ASPHALT	
1	16				0	0.2-6.3 ft: Loose, dry to moist, gray to brown, SILTY SAND WITH GRAVEL (SM), 70% fine to medium sand, 15% fine to coarse gravel (subangular to subrounded, up to 3 inches), 15% fines.	
2	15				0		
3	14				0		
4	13				0		
		T25-SB11-0-9	Excavation				
5	12				0.1		
6	11				0		
						6.3-7.0 ft: Loose, moist. dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
7	10				0	7.0-9.0 ft: Loose, moist, dark brown, SILTY SAND (SM), 60% fine sand, 40% fines, substantial organics (wood fragments up to 3 inches, wood fibers), trace yellow white angular material.	
8	9				0.1		
9	8				0.8	9.0-10.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines, trace gravel (subrounded up to 1 inch), trace pockets of SILT (ML) (brown, up to 1 inch).	
10	7	T25-SB11-9-11	Full Suite		0.0	10.0-11.0 ft: Soft, moist, dark brown, SANDY SILT (ML), 70% fines, 30% fine to medium sand, substantial organic material (wood fragments up to 5 inches, wood fibers, twigs, bark).	
11	6				5.7	@11.0 ft: 1.5 inch thick wood plug (diameter of the core tube). 11.0-14.0 ft: Soft, wet, gray, SILT WITH SAND (ML), 80% fines, 20% fine to medium sand, substantial organic matter (wood fragments up to 6 inches, wood fibers, sawdust, bark, bark fibers).	
12	5				0.7		
		T25-SB11-11-14	Archive				
13	4				3.9		
14	3				0.5	14.0-16.5 ft: Loose, wet, gray, SILTY SAND (SM), 70% fine to medium sand, 30% silt.	
15	2	T25-SB11-14-16	Archive				
16	1				0.1	@16.0 ft: Pocket of trace organic material (wood fibers, twigs).	
17	0	T25-SB11-16-18	Archive		0	16.5-19.0 ft: Loose, wet, gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines.	
18	-1				0		
19	-2	T25-SB11-18-20	Archive		0	Native Contact 19.0-20.0 ft: Loose, wet, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines. End of boring @ 20.0 ft.	
20							

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Notes: Excavation Suite: TCLP metals, SVOCs, PAHs, TPH-Dx, Total Solids
Full Suite: Total Metals, SVOCs, PAHs, PCB Aroclors, Dioxins/Furans, Total Solids, TOC

Soil Boring Log
SB-12

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20.0 ft**
Northing: **212682** Easting: **1267990**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/17/2019**
Depth to First Water ATD: **10.0 ft**	Elevation (ft MLLW): **16.6**	Date Completed: **1/17/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0–1	16–15	T25-SB12-0-2	Full Suite	N/A	0	0.0-10.0 ft: Loose, moist, brown, POORLY GRADED SAND (SP), 95% fine to medium sand, 5% fines, trace gravel (subrounded up to 1.5 inches), trace organic material (sticks, wood fibers).	
1–2	15–14				0		
2–3	14–13	T25-SB12-2-4	Archive		0	@3.0 ft: Grades to gray.	
3–4	13–12				0		
4–5	12–11	T25-SB12-4-6	Archive		0		
5–6	11–10				0		
6–7	10–9	T25-SB12-6-8	Archive		0		
7–8	9–8				0		
8–9	8–7	T25-SB12-8-10	Archive		0		
9–10	7–6				0		
10–11	6–5	T25-SB12-10-12	Archive		0	10.0 to 11.3 ft: Soft, wet, gray. SILT WITH SAND (ML). 75% fines, 25% fine sand.	
11–12	5–4				0	11.3-13.1 ft: Loose, moist, gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines.	
12–13	4–3	T25-SB12-12-13.5	Archive		0	@12.1-12.31 ft: Layer with substantial (~50%) organic material (wood fragments up to 2 inches, wood fibers, sawdust).	
13–14	3–2	T25-SB12-13.5-15.5	Archive		0	13.1-16.3 ft: Loose, moist, gray, SILTY SAND (SM), 60% fine to medium sand, 40% fines.	
14–15	2–1				0		
15–16	1–0	T25-SB12-15.5-17.5	Archive		0		
16–17	0–-1				0	16.3-17.5: Loose, moist, gray POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines.	
17–18	-1–-2	No Sample Observation Only	Archive		0	Native Contact 17.5-20.0 ft: Loose, moist, gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
18–19	-2–-3				0	End of boring @ 20 ft.	
19–20	-3						

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Notes: Excavation Suite: TCLP metals, SVOCs, PAHs, TPH-Dx, Total Solids
Full Suite: Total Metals, SVOCs, PAHs, PCB Aroclors, Dioxins/Furans, Total Solids, TOC

Soil Boring Log
SB-13

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW/EM**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20.0 ft**
Northing: **212440** Easting: **1267986**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/16/2019**
Depth to First Water ATD: **20.0 ft**	Elevation (ft MLLW): **15.0**	Date Completed: **1/16/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0							
1	14	T25-SB13-0-2	Full Suite	N/A	0	0.0-1.8 ft: Loose, dry, light brownish gray, POORLY GRADED SAND WITH GRAVEL (SP), 75% fine to coarse sand, 25% gravel (up to 3 inches, subangular to subrounded).	
2	13				0	1.8-8.5 ft: Loose, moist, brown, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines, trace gravel (up to 2 inches, subrounded).	
3	12	T25-SB13-2-4	Archive		0		
4	11				0	@3.4 ft: grades to dark gray.	
5	10	T25-SB13-4-6	Archive		0		
6	9				0		
7	8	T25-SB13-6-8	Archive		0	@6.9-8.5 ft: grades to 90% fine to medium sand, 10% fines.	
8	7				0		
9	6	T25-SB13-8-10	Archive		0	8.5-10.0 ft: Soft, moist, dark brown, SANDY SILT (ML), 70% fines, 30% fine sand, substantial organics (wood fragments, up to 4 inches, wood fibers, bark), slight H2S-like odor.	
10	5				0	10.0-15.0 ft: Loose, moist to wet, dark gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines, trace gravel (up 10 1.5 inches, subrounded), moderate organic material (wood fragments up to 4 inches, wood fiber, bark), slight H2S-like odor.	
11	4	T25-SB13-10-12	Archive		0		
12	3				0		
13	2	T25-SB13-12-14	Archive		0		
14	1				0		
15	0				0	Native Contact 15.0-20.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP) 100% fine to medium sand, trace fines.	
16	-1				0		
17	-2	No Sample Observation Only			0	@16.7 ft: Trace pockets of soft, moist, gray, SILT (ML), 100% fines.	
18	-3				0		
19	-4				0	End of boring @ 20.0 ft.	
20	-5						

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Notes: Excavation Suite: TCLP metals, SVOCs, PAHs, TPH-Dx, Total Solids
Full Suite: Total Metals, SVOCs, PAHs, PCB Aroclors, Dioxins/Furans, Total Solids, TOC

Soil Boring Log
SB-14

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20.0 ft**
Northing: **212611** Easting: **1268163**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/16/2019**
Depth to First Water ATD: **10.0 ft**	Elevation (ft MLLW): **15.1**	Date Completed: **1/16/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	15						
		T25-SB14-0-3	Archive	N/A	0	0.0-3.0 ft: Loose, dry, light gray to white, crushed CONCRETE (piece up to 3 inches in diameter).	
1	14				0		
2	13				0		
3	12				0		
		T25-SB14-3-5	Full Suite		0	3.0-5.0 ft: Loose, moist, dark brown, POORLY GRADED SAND (SP), 90% fine to medium sand, 5% fines, 5% fine to coarse gravel (up to 1.5", subrounded), trace organic material (wood fragments up to 2 inches, roots).	
4	11						
5	10				0	5.0-20.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines, trace organic material (wood fragments) trace gravel layer within.	
		T25-SB14-5-7	Archive		0		
6	9						
7	8				0		
		T25-SB14-7-9	Archive		0	@8.2-8.7 ft: Substantial organic material (sawdust).	
8	7						
9	6				0	@9.0-9.3 ft: Layer of substantial organic material (wood fragments up to 3 inches, sawdust).	
		T25-SB14-9-11	Archive		0	@10.0-10.5 ft: Grades to wet. Layer of substantial organic material (wood fragments up to 2 inches, sawdust).	
10	5						
11	4				0	@10.5-15.0 ft: Layer of moderate organic material (wood fibers, sticks).	
12	3				0		
13	2				0		
14	1				0	@14.0-15.0 ft: Pockets of soft, moist, gray, SILT (ML), 100% fines and substantial organics (wood fragments up to 2 inches, fibers, bark).	
15	0	No Sample Observation Only			0	Native Contact @15.0-20.0 ft: No organic material.	
16	-1				0		
17	-2				0		
18	-3				0		
19	-4				0	End of boring @ 20.0 ft.	
20							

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Notes: Excavation Suite: TCLP metals, SVOCs, PAHs, TPH-Dx, Total Solids
Full Suite: Total Metals, SVOCs, PAHs, PCB Aroclors, Dioxins/Furans, Total Solids, TOC

Soil Boring Log
SB-15

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holocene Drilling**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **BW**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20.0 ft**
Northing: **212395** Easting: **1268106**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **1/16/2019**
Depth to First Water ATD: **10.0 ft**	Elevation (ft MLLW): **16.6**	Date Completed: **1/16/2019**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Blow Count	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0							
1	16	T25-SB15-0-2	Full Suite	N/A	0	0.0-0.5 ft: Loose, dry, light gray, POORLY GRADED SAND WITH GRAVEL (SP), 80% fine to coarse sand, 15% gravel (up to 1.5 inches, subangular to subrounded), 5% fines.	
2	15				0	0.5-3.0 ft: Loose, dry to moist, brown, POORLY GRADED SAND (SP), 85% fine to medium sand, 10% gravel (up to 3 inches, subrounded), 5% fines.	
3	14	T25-SB15-2-4	Archive		0		
4	13				0.1	3.0-6.2 ft: Loose, moist, brown, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines, trace gravel (up to 1.5 inches, subrounded).	
5	12	T25-SB15-4-6	Archive		0		
6	11				0		
7	10	T25-SB15-6-8	Archive		0	6.2-15 ft: Soft, moist, gray, SANDY SILT (ML), 60% fines, 40% fine sand. @6.5-7.0 ft: Layer of substantial organic material (wood fragments up to 3 inches, wood fibers, sawdust).	
8	9				0		
9	8	T25-SB15-8-10	Archive		0		
10	7				0		
11	6				0		
12	5				0		
13	4				0		
14	3				0		
15	2	No Sample Observation Only			0	15.0-17.0 ft: Loose, moist, gray, SILTY SAND (SM), 70% fine to medium sand.	
16	1				0		
17	0				0	Native Contact 17.0-20.0: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
18	-1				0		
19	-2				0		
20	-3				0	End of boring @ 20.0 ft.	

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Notes: Excavation Suite: TCLP metals, SVOCs, PAHs, TPH-Dx, Total Solids
Full Suite: Total Metals, SVOCs, PAHs, PCB Aroclors, Dioxins/Furans, Total Solids, TOC

Sediment Core Log

SC-01A

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **10.2 feet**	Logged By: **Evan Malczyk**
Project #: **160003-03.03**	Mudline Elevation (ft MLLW): **0.1 feet**	Attempt No.: **4**
Client: **Port of Seattle**	Drive Length: **1.5 feet**	Northing: **212838.38** Easting: **1267791.78**
Location: **Seattle, Washington**	Recovery Length (feet): **1.4 feet**	Core Collection Date/Time: **03/26/19 @ 1145**
Contractor: **Gravity Consulting**	Predicted Tidal Elevation (feet MLLW): **10.3 feet @ 0831**	Horizontal Datum: **NAD 83 WA State Plane North, feet**
Method/Core Diameter: **Vibracore / 4 inches**	Percent Recovery: **93 %**	Vertical Datum: **MLLW, feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	0	T25-SC01-0-1	Archive	0	0.0-3.0 Very loose, wet, dark gray, SILT with SAND (ML), 80% fines, 20% fine sand.	
				0	0.3-0.4 ft: Loose, moist, dark gray, POORLY GRADED SAND with SILT (SP-SM), 90% medium sand, 10% fines. @0.4 ft: wood fragment ~1.5 inches.	
1	-1				0.4-1.2 ft: Loose, moist, dark gray, POORLY GRADED GRAVEL (GP), 85% fine to coarse gravel, 10% coarse sand, 5% fines. Gravel is subangular up to 2 inches. End of core @ 1.2 ft.	
2	-2					
3	-3					
4	-4					
5	-5					
6	-6					
7	-7					
8	-8					
9	-9					
10						

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
Excavation Suite: PAHs, PCB Aroclors, SVOCs, TCLP Metals, TS

Sediment Core Log

SC-01B

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **21.9 feet**	Logged By: **Evan Malczyk**
Project #: **160003-03.03**	Mudline Elevation (ft MLLW): **-11.5 feet**	Attempt No.: **5**
Client: **Port of Seattle**	Drive Length: **2.0 feet**	Northing: **212870.56** Easting: **1267791.64**
Location: **Seattle, Washington**	Recovery Length (feet): **2.0 feet**	Core Collection Date/Time: **3/26/19 @ 1200**
Contractor: **Gravity Consulting**	Predicted Tidal Elevation (feet MLLW): **10.4 feet @ 0848**	Horizontal Datum: **NAD 83 WA State Plane North, feet**
Method/Core Diameter: **Vibracore / 4 inches**	Percent Recovery: **100 %**	Vertical Datum: **MLLW, feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0						
	-12	T25-SC01B-0-1	Archive	0	0.0-0.2 ft: Soft, wet, dark gray, SANDY SILT (ML), 70% fines, 30% fine sand.	
					0.2-0.5 ft: Loose, moist, dark gray, SILTY SAND (SM), 85% fine sand, 15% fines.	
1				0	0.5-1.0 ft: Loose, moist, dark gray, Shell Hash/Sand with White shell fragments.	
	-13	T25-SC01B-1-2	Archive		1.0-2.0 ft: Loose, moist, loose, dark gray, Shell Hash/Gravel with white shell fragments, trace fines. Gravel is subrounded up to 0.5 inch and subangular up to 1.25 inches.	
2				0	End of core @2.0 ft.	
	-14					
3						
	-15					
4						
	-16					
5						
	-17					
6						
	-18					
7						
	-19					
8						
	-20					
9						
	-21					
10						

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
Excavation Suite: PAHs, PCB Aroclors, SVOCs, TCLP Metals, TS

Sediment Core Log
SC-02

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **13.5 feet**	Logged By: **Evan Malczyk**
Project #: **160003-03.03**	Mudline Elevation (ft MLLW): **-2.1 feet**	Attempt No.: **2**
Client: **Port of Seattle**	Drive Length: **7.5 feet**	Northing: **212812.47** Easting: **1267668.28**
Location: **Seattle, Washington**	Recovery Length (feet): **7.0 feet**	Core Collection Date/Time: **3/25/19 @ 1215**
Contractor: **Gravity Consulting**	Predicted Tidal Elevation (feet MLLW): **10.8 feet @ 0938**	Horizontal Datum: **NAD 83 WA State Plane North, feet**
Method/Core Diameter: **Vibracore / 4 inches**	Percent Recovery: **93 %**	Vertical Datum: **MLLW, feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0						
	-3	T25-SC02-0-1 T25-SC02-0-4.6 T25-SC52-0-4.6 (FD)	Archive Excavation Excavation		0.0-2.4: Loose, wet, dark gray, Shell Hash/Sand/Silt. Slight rainbow sheen, no odor. Trace organic material (wood fragments). Trace anthropogenic material (crumbles easily).	
1				0		
	-4	T25-SC02-1-2	Archive			
2				0		
	-5	T25-SC02-2-3	Archive		2.4-4.1: Loose, moist, dark gray, SILTY SAND (SM), 70% medium sand, 30% fines. Moderate shell hash, occasional organic material (wood fragments).	
3				0		
	-6	T25-SC02-3-4.6	Archive	0	@3.2 ft: Pocket of soft, moist, gray silt. Slight odor.	
4				0		
	-7				Native Contact 4.1-7.0 ft: Loose, moist, gray, POORLY GRADED SAND (SP), Trace shell hash/shells. Trace fines.	
5		T25-SC02-4.6-5.6	Full Suite	0		
	-8					
6				0		
	-9	T25-SC02-5.6-7	Archive Excavation			
7				0	End of core @ 7.0 ft.	
	-10					
8						
	-11					
9						
	-12					
10						

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
Excavation Suite: PAHs, PCB Aroclors, SVOCs, TCLP Metals, TS

Sediment Core Log
SC-03

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **11.1 feet**	Logged By: **Evan Malczyk**
Project #: **160003-03.03**	Mudline Elevation (ft MLLW): **0.6 feet**	Attempt No.: **1**
Client: **Port of Seattle**	Drive Length: **8.0 feet**	Northing: **212812.47** Easting: **1267668.28**
Location: **Seattle, Washington**	Recovery Length (feet): **6.8 feet**	Core Collection Date/Time: **3/24/19 @ 1015**
Contractor: **Gravity Consulting**	Predicted Tidal Elevation (feet MLLW): **11.7 feet @ 0830**	Horizontal Datum: **NAD 83 WA State Plane North, feet**
Method/Core Diameter: **Vibracore / 4 inches**	Percent Recovery: **85 %**	Vertical Datum: **MLLW, feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0						
1	0	T25-SC03-0-1.7 T25-SC03-0-5.7	Archive Excavation	0	0.0-1.7 ft: Very soft, wet, grayish-brown, SILT with SAND (ML), 80% fines, 20% medium sand. Occasional organics (fibers), trace sheen florets in sample homogenate.	
2	-1	T25-SC03-1.7-2.7	Archive	0	1.7-4.0 ft: Loose, moist, dark gray, POORLY GRADED SAND with SILT (SP-SM), 90% sand, 10% fines. Substantial shell hash, slight HC-like odor.	
3	-2	T25-SC03-2.7-3.7	Archive	0		
4	-3	T25-SC03-3.7-4.7	Archive	0	4.0-6.2 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 95% medium sand, 5% fines, trace gravel. @4.5 ft: Anthropogenic fragments (2 inches), plastic fragment, possible concrete?	
5	-4	T25-SC03-4.7-5.7	Archive	0		
6	-5	T25-SC03-5.7-6.2	Full Suite	0	End of core @ 6.2 ft.	
7	-6					
8	-7					
9	-8					
10	-9					

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
Excavation Suite: PAHs, PCB Aroclors, SVOCs, TCLP Metals, TS

Sediment Core Log
SC-04

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **11.9 feet**	Logged By: **Evan Malczyk**
Project #: **160003-03.03**	Mudline Elevation (ft MLLW): **-1.7 feet**	Attempt No.: **1**
Client: **Port of Seattle**	Drive Length: **7.9 feet**	Northing: **212603.43** Easting: **1267597.9**
Location: **Seattle, Washington**	Recovery Length (feet): **7.2 feet**	Core Collection Date/Time: **3/24/19**
Contractor: **Gravity Consulting**	Predicted Tidal Elevation (feet MLLW): **10.2 feet @ 0933**	Horizontal Datum: **NAD 83 WA State Plane North, feet**
Method/Core Diameter: **Vibracore / 4 inches**	Percent Recovery: **91 %**	Vertical Datum: **MLLW, feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0						
	-2	T25-SC04-0-1 T25-SC04-0-4	Archive Excavation		0.0-1.0 ft: Very loose, wet, dark gray, SILT with SAND (ML), 80% fines, 20% medium sand. Trace rainbow sheen florettes, moderated anthropogenic material (asphalt like fragment ~2 inches).	
1				0		
	-3	T25-SC04-1-2	Archive		1.0-4.0 ft: Loose, wet, dark gray, SILTY SAND (SM), 80% medium sand, 20% fines. Occasional organic material (wood fibers). Slight rainbow sheen throughout, slight HC-like odor.	
2				0	@1.0-2.0 ft: Substantial organic material (asphalt fragments up to 2 inches)	
	-4	T25-SC04-2-3	Archive Geotech			
3				0		
	-5	T25-SC04-3-4	Archive		@4.0 ft: one piece of an asphalt-like fragment.	
4				0		
	-6	T25-SC04-4-5	Full Suite		4.0-5.8 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% medium sand, trace gravel, trace fines, trace biota shells.	
5				0	@4.7-5.0 ft: Layer of silt and organic material (wood fibers). Occasional gravel (subrounded up to 3/4 inch). Slight HC-like odor. @5.0-5.5 ft: Anthropogenic material (asphalt shingle).	
	-7	T25-SC04-5-5.6 T25-SC04-5-6	Geotech Archive			
6				0.1	5.8-6.7 ft: Soft, moist, medium dense, dark olive gray, SILT with Organics (ML), 100% fines, trace sand. Substantial organic material (wood fragments, fibers). Slight to moderate H2S-like odor.	
	-8	T25-SC04-6-6.7	Archive		End of core @6.7 ft.	
7						
	-9					
8						
	-10					
9						
	-11					
10						

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
Excavation Suite: PAHs, PCB Aroclors, SVOCs, TCLP Metals, TS

Sediment Core Log
SC-05

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **22.8 feet**	Logged By: **Evan Malczyk**
Project #: **160003-03.03**	Mudline Elevation (ft MLLW): **-13.0 feet**	Attempt No.: **3**
Client: **Port of Seattle**	Drive Length: **2.0 feet**	Northing: **212412.09** Easting: **1267419.4**
Location: **Seattle, Washington**	Recovery Length (feet): **2.0 feet**	Core Collection Date/Time: **3/26/19 @ 1220**
Contractor: **Gravity Consulting**	Predicted Tidal Elevation (feet MLLW): **9.8 feet @ 1023**	Horizontal Datum: **NAD 83 WA State Plane North, feet**
Method/Core Diameter: **Vibracore / 4 inches**	Percent Recovery: **100 %**	Vertical Datum: **MLLW, feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	-13	T25-SC05-0-1	Full Suite	0	0.0-1.5 ft: Loose, wet, dark gray, SILTY SAND (SM), 75% medium sand, 25% fines.	
1	-14	T25-SC05-1-2	Archive	0	1.5-2.0 ft: Loose, moist, dark gray, POORLY GRADED SAND with GRAVEL (SP), 80% medium sand, 20% fine to coarse gravel (subangular up to 2.0 inches), trace fines. End of core @ 2.0 ft.	
2	-15			0		
3	-16					
4	-17					
5	-18					
6	-19					
7	-20					
8	-21					
9	-22					
10	-23					

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
Excavation Suite: PAHs, PCB Aroclors, SVOCs, TCLP Metals, TS

Sediment Core Log
SC-06

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **10.6 feet**	Logged By: **Evan Malczyk**
Project #: **160003-03.03**	Mudline Elevation (ft MLLW): **-6.0 feet**	Attempt No.: **1**
Client: **Port of Seattle**	Drive Length: **4.0 feet**	Northing: **212519.45** Easting: **1267525.53**
Location: **Seattle, Washington**	Recovery Length (feet): **3.4 feet**	Core Collection Date/Time: **3/26/19**
Contractor: **Gravity Consulting**	Predicted Tidal Elevation (feet MLLW): **4.6 feet @ 1303**	Horizontal Datum: **NAD 83 WA State Plane North, feet**
Method/Core Diameter: **Vibracore / 4 inches**	Percent Recovery: **85 %**	Vertical Datum: **MLLW, feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	-6					
		T25-SC05-0-1 T25-SC55-0-1 (FD)	Full Suite	0	0.0-0.5 ft: Loose, moist to wet, dark gray, SILTY SAND (SM), 80% medium sand, 20% fines.	
1	-7	T25-SC05-1-1.5	Archive	0	0.5-1.5 ft: Loose, moist, gray, POORLY GRADED SAND (SP), 100% medium sand. @0.6 ft: Biota (one worm). Pocket of white spongey material. @1.0 ft: Occasional pockets of organics (wood fragments, fibers).	
2	-8	T25-SC05-1.5-2.5	Archive	19.3	1.5-3.3 ft: Loose, moist, light brown, Organic material (wood splinters less than 1 inch, fragments, fibers). 80% organics, 20% medium sand. Occasional organic material (shells/barnacle fragments).	
3	-9	T25-SC05-2.5-3.3	Archive	13.1	@3.0 ft: 1 inch layer of decomposed organic material. End of core @ 3.3 ft.	
4	-10					
5	-11					
6	-12					
7	-13					
8	-14					
9	-15					
10	-16					

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
Excavation Suite: PAHs, PCB Aroclors, SVOCs, TCLP Metals, TS

Sediment Core Log
SC-07

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **21.0 feet**	Logged By: **Evan Malczyk**
Project #: **160003-03.03**	Mudline Elevation (ft MLLW): **-21 feet**	Attempt No.: **1**
Client: **Port of Seattle**	Drive Length: **9.5 feet**	Northing: **212704.13** Easting: **1267571.79**
Location: **Seattle, Washington**	Recovery Length (feet): **7.4**	Core Collection Date/Time: **3/25/19**
Contractor: **Gravity Consulting**	Predicted Tidal Elevation (feet MLLW): **0.0 feet @1517**	Horizontal Datum: **NAD 83 WA State Plane North, feet**
Method/Core Diameter: **Vibracore / 4 inches**	Percent Recovery: **78 %**	Vertical Datum: **MLLW, feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	-21					
		T25-SC07-0-1 T25-SC57-0-1 (FD)	Full Suite	0.2	0.0-5.0 ft: Soft, moist, dark gray, SILT (ML), 85% fines, 15% fine sand. Occasional pockets with increase sand content. Occasional organic material (fibers, fragments). Slight H2S odor.	
1	-22			1.8		
		T25-SC07-1-2 T25-SC07-1-2	Archive Geotech			
2	-23			5.9		
		T25-SC07-2-3	Archive			
3	-24			6.3		
		T25-SC07-3-4	Archive		@3.0 ft: No odor. @3.5 ft: anthropogenic debris (3 inch thin plastic wrapper).	
4	-25			0.3		
		T25-SC07-4-5	Archive			
5	-26			0.9	5.0-7.0 ft: Medium dense, moist, olive gray, SILT with decomposed organic material (ML-OL), 80% fines, 20% fine sand, substantial organic material (fibers, fragments, decomposed material).	
		T25-SC07-5-6	Archive			
6	-27			1.9		
		T25-SC07-6-7	Archive		End of core @ 7.0 ft.	
7	-28			1.9		
8	-29					
9	-30					
10	-31					

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
Excavation Suite: PAHs, PCB Aroclors, SVOCs, TCLP Metals, TS

Sediment Core Log
SC-08

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **25.0 feet**	Logged By: **Evan Malczyk**
Project #: **160003-03.03**	Mudline Elevation (ft MLLW): **-22.5 feet**	Attempt No.: **1**
Client: **Port of Seattle**	Drive Length: **12.0 feet**	Northing: **212881.97** Easting: **1267624.89**
Location: **Seattle, Washington**	Recovery Length (feet): **10.6 feet**	Core Collection Date/Time: **3/25/19 @ 1350**
Contractor: **Gravity Consulting**	Predicted Tidal Elevation (feet MLLW): **2.5 feet @1311**	Horizontal Datum: **NAD 83 WA State Plane North, feet**
Method/Core Diameter: **Vibracore / 4 inches**	Percent Recovery: **88 %**	Vertical Datum: **MLLW, feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	-22					
		T25-SC08-0-1	Full Suite	0.1	0.0-10.0 ft: Very soft, wet, dark gray, SILT (ML), 90% fines, 10% fine sand, moderate shell hash. Slight H2S-like odor. Trace organic material (fibers) throughout.	
1	-23			0.1	@1.0 ft: Grades to moist.	
		T25-SC08-1-2	Archive			
2	-24			4.7		
		T25-SC08-2-3	Archive			
3	-25			3.3	@3.0 ft: Occasional shell hash.	
		T25-SC08-3-4	Archive			
4	-26			6.0		
		T25-SC08-4-5	Archive			
5	-27			0.8	@5.0 ft: No H2S-like odor.	
		T25-SC08-5-6	Archive		@5.6 ft: 2 inch layer of substantial shells.	
6	-28			0.8	@6.0 ft: Color grades to dark olive gray. Slight HC-like odor.	
		T25-SC08-6-7	Archive			
7	-29			1.7		
		T25-SC08-7-8	Archive			
8	-30			1.9		
		T25-SC08-8-9	Archive		@8.5 ft: Trace shells.	
9	-31			1.1		
		T25-SC08-9-10	Archive			
				1.9	End of core @ 10.0 ft.	
10	-32					

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
Excavation Suite: PAHs, PCB Aroclors, SVOCs, TCLP Metals, TS

Sediment Core Log

SC-09A

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **32.8 feet**	Logged By: **Evan Malczyk**
Project #: **160003-03.03**	Mudline Elevation (ft MLLW): **-30.9 feet**	Attempt No.: **5**
Client: **Port of Seattle**	Drive Length: **2.7 feet**	Northing: **212899.43** Easting: **1267739.39**
Location: **Seattle, Washington**	Recovery Length (feet): **1.5 feet**	Core Collection Date/Time: **3/24/19 @ 1415**
Contractor: **Gravity Consulting**	Predicted Tidal Elevation (feet MLLW): **1.85 feet @1557**	Horizontal Datum: **NAD 83 WA State Plane North, feet**
Method/Core Diameter: **Vibracore / 4 inches**	Percent Recovery: **56 %**	Vertical Datum: **MLLW, feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	-31	T25-SC09-0-1	Archive	0.9 4.2	0.0-1.5 ft: Soft, moist, dark gray, SILT (ML), 80% fines, 20% fine sand. Slight HC-like odor. Trace shells (mussels). Trace anthropogenic fragments.	
1	-32	T25-SC09-1-1.5	Archive	7.6 3.8	@1.1 ft: Grades to gray. End of core @1.5 feet.	
2	-33					
3	-34					
4	-35					
5	-36					
6	-37					
7	-38					
8	-39					
9	-40					
10						

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
Excavation Suite: PAHs, PCB Aroclors, SVOCs, TCLP Metals, TS

Sediment Core Log

SC-09B

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **14.9 feet**	Logged By: **Evan Malczyk**
Project #: **160003-03.03**	Mudline Elevation (ft MLLW): **-13.8 feet**	Attempt No.: **6**
Client: **Port of Seattle**	Drive Length: **5.0 feet**	Northing: **212873.88** Easting: **1267749.02**
Location: **Seattle, Washington**	Recovery Length (feet): **4.4 feet**	Core Collection Date/Time: **3/26/19**
Contractor: **Gravity Consulting**	Predicted Tidal Elevation (feet MLLW): **1.1 feet @ 1448**	Horizontal Datum: **NAD 83 WA State Plane North, feet**
Method/Core Diameter: **Vibracore / 4 inches**	Percent Recovery: **88 %**	Vertical Datum: **MLLW, feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	-15	T25-SC09B-0-1	Full Suite	2.2	0.0-4.0 ft: Very soft, moist, grayish-brown, SILT (ML), 100% fines, trace fine sand, occasional organic material (fibers).	
1	-16	T25-SC09B-1-2	Archive	19.9	@1.0 ft: Grades to soft.	
2	-17	T25-SC09B-2-3	Archive	9.7 1.2	@2.0 ft: Grades to gray.	
3	-18	T25-SC09B-3-4	Archive	0.1 0.7	End of core @ 4.0 ft.	
4	-19			4.9		
5	-20					
6	-21					
7	-22					
8	-23					
9	-24					
10						

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
Excavation Suite: PAHs, PCB Aroclors, SVOCs, TCLP Metals, TS

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seatte T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, MS, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC-01
Attempt No. 1
Date: 3/25/2019
Logged By: MS
Horizontal Datum: WGS84

Field Collection Coordinates:
Lat/Northing: ~~47°~~ 47° 34.41'
Long/Easting: ~~122°~~ 122° 20.575'

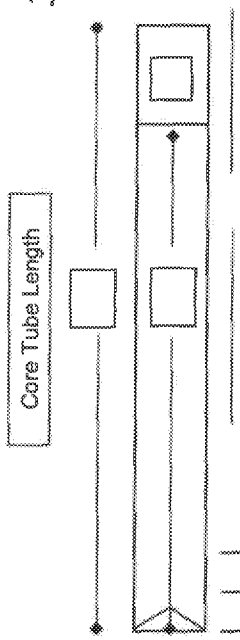
A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: ~~8.0 FT~~ in
8.0 FT

B. Water Level Measurements
Time: 1102
Height: 0.4 FT
Source: NOAA PRELIMINARY @ ELLIOT BAY

C. Mudline Elevation
0.4 FT

Core Collection Recovery Details:
Core Accepted: Yes / No
Core Tube Length: 7.0 FT
Drive Penetration:
Headspace Measurement:
Recovery Measurement:
Recovery Percentage:
Total Length of Core To Process:

Recovery Measurements (prior to cuts)



Drive Notes:

Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

GRAVEL OBSERVED IN 1-2 FT THAT WAS RECOVERED

Notes:
PULLED ATTEMPT BECAUSE THE VIBRACORE WAS SLIPPING DOWN THE SLOPE

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seatte T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HS, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC-01
Attempt No. 2
Date: 3/26/2019
Logged By: MG
Horizontal Datum: ~~NAD~~ WGS84

Field Collection Coordinates:
Lat/Northing: ~~NAD~~ 47° 34.108333'
Long/Easting: ~~NAD~~ 122° 20.575'

A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: 6.4 FT

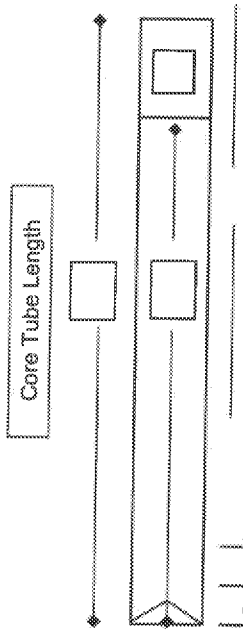
B. Water Level Measurements
Time: 1137
Height: 9.2
Source: NOAA PRELIMINARY © ELLIOT BAY

C. Mudline Elevation
2.8 FT

Core Collection Recovery Details:
Core Accepted: Yes / (No)
Core Tube Length: 7.0 FT
Drive Penetration:
Headspace Measurement:
Recovery Measurement:
Recovery Percentage:
Total Length of Core To Process:

Drive Notes:

Recovery Measurements (prior to cuts)



Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Notes:
VIBRACORE WAS SLIPPING DOWN THE SLOPE & THERE WAS INSUFFICIENT WATER DEPTH WITH CURRENT TIDE LEVEL. PULLED ATTEMPT.

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seatte T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HS, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC-01
Attempt No. 3
Date: 3/26/2019
Logged By: HS
Horizontal Datum: WGS84

Field Collection Coordinates:
Lat/Northing: 47°34'24.5026"
Long/Easting: 122°20'34.8016"

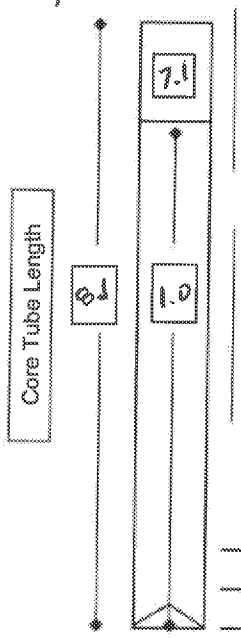
A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: 10.8 FT

B. Water Level Measurements
Time: 0817
Height: 10.8 FT
Source: NOAA PRELIMINARY ELLIOT BAY

C. Mudline Elevation
-0.6 FT

Core Collection Recovery Details:
Core Accepted: Yes / No
Core Tube Length: 8.1 FT
Drive Penetration: 2 FT
Headspace Measurement: 7.1 FT
Recovery Measurement: 1.0 FT
Recovery Percentage: 50%
Total Length of Core To Process: —

Recovery Measurements (prior to cuts)



Drive Notes:
HARD REFUSAL @ 2 FT

Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

COARSE GRAVE AT THE BOTTOM

Notes:
LOCATION LOOKED LIKE A BENCH WITH SOFTER SEDIMENT, BUT IT MAY JUST BE DEPOSITIONAL MATERIAL ON TOP OF RIPRAP/CONCRETE

FROM GIS: 20.5 FT FROM TARGET, -4.7 FT DESIGN SUBGRADE

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seattle T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HG, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC-01
Attempt No. 4
Date: 3/26/2014
Logged By: HG
Horizontal Datum: WGS84

Field Collection Coordinates:
Lat/Northing: 47°34'24.9801"
Long/Easting: 122°20'39.8066"

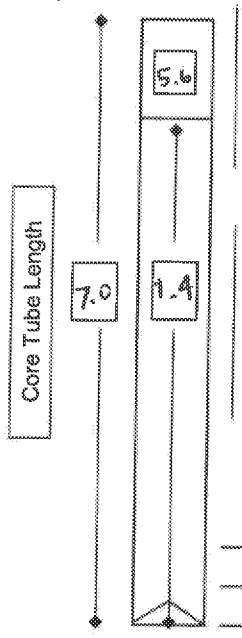
A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: 10.2 FT

B. Water Level Measurements
Time: 0831
Height: 10.3 FT
Source: NOAA PRELIMINARY @ ELLIOT BAY

C. Mudline Elevation
0.1 FT

Core Collection Recovery Details:
Core Accepted: Yes / No
Core Tube Length: 7.0 FT
Drive Penetration: 1.5 FT
Headspace Measurement: 5.6 FT
Recovery Measurement: 1.4 FT
Recovery Percentage: 93%
Total Length of Core To Process: 1.0 FT

Recovery Measurements (prior to cuts)



Sections To Process:
A:
B:
C:
D:

Drive Notes:
HARD REFUSAL @ 1.5 FT

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Notes:
SIMILAR TO SC-01 ATTEMPT 3; SOME SOFT SEDIMENT ON TOP OF ROCK OR CONCRETE

FROM GIS: 26.4 FT FROM TARGET, -4.1 FT DESIGN SUBGRADE

SAMPLE T25-SC01A-D-1

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seattle T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HS, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC-01
Attempt No. 5
Date: 3/26/2019
Logged By: HG
Horizontal Datum: WGS84

Field Collection Coordinates:
Lat/Northing: 47° 34' 24.7976"
Long/Easting: 122° 20' 34.8179"

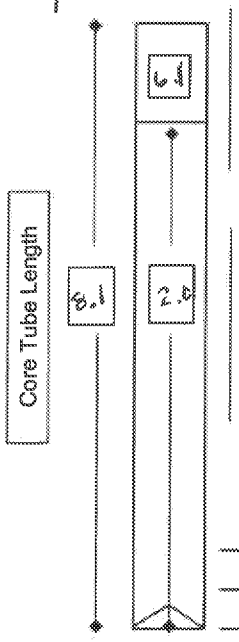
A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: 21.9 FT

B. Water Level Measurements
Time: 0818
Height: 10.4 FT
Source: NOAA PRELIMINARY @ ELLIOT BAY

C. Mudline Elevation
-11.5 FT

Core Collection Recovery Details:
Core Accepted: Yes / No
Core Tube Length: 8.1 FT
Drive Penetration: 2.0 FT
Headspace Measurement: 6.1 FT
Recovery Measurement: 2.0 FT
Recovery Percentage: 100%
Total Length of Core To Process: 2.0 FT

Recovery Measurements (prior to cuts)



Drive Notes:
REFUSAL @ 2 FT
TD

Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

TD

Notes:
FROM GIS: 58 FT FROM TARGET, NOT WITHIN DREDGE BOUNDARY

SAMPLE: T25-SC01B-0-1
T25-SC01B-1-2

ANCHOR OEA

Sediment Core Collection Log

Job: Port of Seatte T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HS, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC-02
Attempt No. 1
Date: 3/25/2019
Logged By: HG
Horizontal Datum: ~~WA STATE PLANE to NAD83~~ to WGS84

Field Collection Coordinates:
Lat/Northing: 47°34'24.2"
Long/Easting: 122°20'36.4"

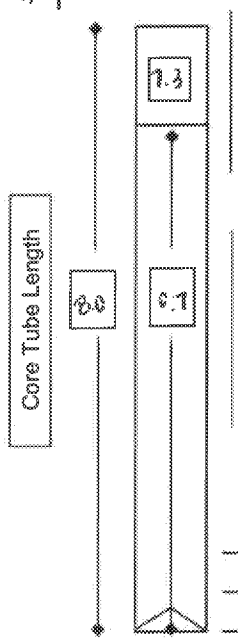
A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: 11.25 FT

B. Water Level Measurements
Time: 0900
Height: 11.44 FT
Source: NOAA PRELIMINARY @ ELLIOT BAY

C. Mudline Elevation
0.19 FT

Core Collection Recovery Details:
Core Accepted: Yes (No)
Core Tube Length: 8.0 FT
Drive Penetration: 3.5 FT
Headspace Measurement: 1.3 FT
Recovery Measurement: 0.1 FT
Recovery Percentage: 2%
Total Length of Core To Process: /TP

Recovery Measurements (prior to cuts)



Drive Notes:
HARD REFUSAL @ 3.5 FT
/TP

Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

BOTTOM OF CORE IS SAND
/TP

Notes:
~20 FT OFF STATION; ROCK AT SURFACE CLOSER TO TARGET
/TP

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seatte T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HS, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC-02
Attempt No. 2
Date: 3/25/2019
Logged By: HS
Horizontal Datum: WGS84

Field Collection Coordinates:
Lat/Northing: 47°34'24.2"
Long/Easting: 122°20'36.6"

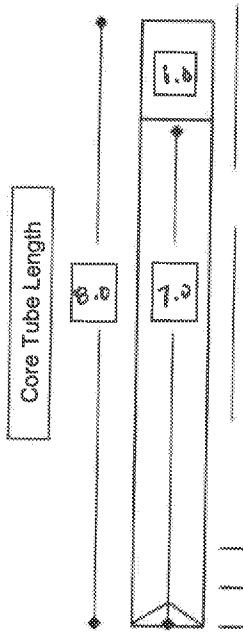
A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: 13.5 FT

B. Water Level Measurements
Time: 0938
Height: 10.8 FT
Source: NOAA PRELIMINARY @ ELLIOT BAY

C. Mudline Elevation
-2.7 FT

Core Collection Recovery Details:
Core Accepted: (Yes) / No
Core Tube Length: 8.0 FT
Drive Penetration: 7.5 FT
Headspace Measurement: 1.0 FT
Recovery Measurement: 7.0 FT
Recovery Percentage: 93%
Total Length of Core To Process: 7.0 FT

Recovery Measurements (prior to cuts)



Sections To Process:
A:
B:
C:
D:

Drive Notes:
STEADY DRIVE THE WHOLE WAY DOWN

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Notes:
35 FT WEST OF TARGET BECAUSE OF ROCKY SURFACE CLOSER TO TARGET

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seattle T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HS, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC-03
Attempt No. 1
Date: 3/24/2019
Logged By: HS
Horizontal Datum: WA STATE PLANE N NAD83

Field Collection Coordinates:
Lat/Northing: 212156.49
Long/Easting: 1267650.75

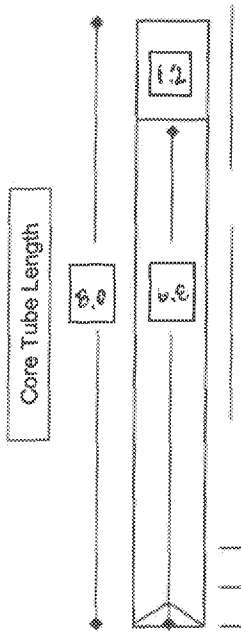
A. Water Depth
DTM Depth Sounder: ~~12.4~~ HP
DTM Lead Line: ~~12.8~~ FT
11.1

B. Water Level Measurements
Time: 0930
Height: 11.7 FT
Source: NOAA @ ELLIOTT BAY PRELIMINARY

C. Mudline Elevation
0.6 ~~0.4~~ HP FT

Core Collection Recovery Details:
Core Accepted: Yes / No
Core Tube Length: 8.0 FT
Drive Penetration: 8.0 FT
Headspace Measurement: 1.2 FT
Recovery Measurement: 6.0 FT
Recovery Percentage: 75%
Total Length of Core To Process: 6.2 FT

Recovery Measurements (prior to cuts)



Drive Notes:
HARD @ 3 FT
HP

Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

HP

Notes: 17.5 FT
~~16~~ FT OFF STATION; CLOSEST TO TARGET THAT WAS NOT OBSTRUCTED OR HAD CONCRETE BLOCKS
HP

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seatte T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HG, SC
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC-04
Attempt No. 1
Date: 8/29/2019
Logged By: HG
Horizontal Datum: WA STATE PLANE NAD83

Field Collection Coordinates:
Lat/Northing: 47° 34' 22.1241" ↳ 212603.93
Long/Easting: 122° 20' 37.5665" (WGS84) ↳ 1267597.90

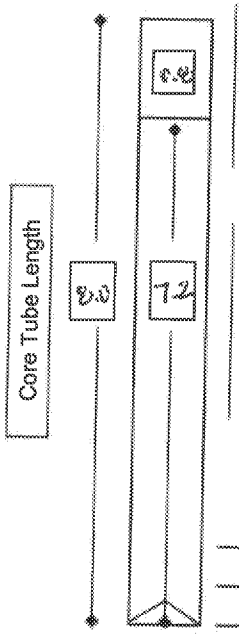
A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: 11.9 FT

B. Water Level Measurements
Time: 0933
Height: 10.2 FT
Source: NOAA @ ELLIOTT BAY (PRELIMINARY)

C. Mudline Elevation
-1.7 FT

Core Collection Recovery Details:
Core Accepted: Yes / No
Core Tube Length: 8.0 FT
Drive Penetration: 7.9 FT
Headspace Measurement: 0.8 FT
Recovery Measurement: 7.2 FT
Recovery Percentage: 91%
Total Length of Core To Process: ~~7.1 FT~~ 6.7 FT

Recovery Measurements (prior to cuts)



Drive Notes:
90FT FOR FIRST 2 FT
HARDER AT 6 FT

TD

Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

TD

Notes:
58.2 FT FROM BOW → 19.1 FT OFF TARGET
MOVED FURTHER OFFSHORE BECAUSE PILE OF CRUSHED CONCRETE BLOCKING TARGET, ATTEMPTED RIGHT OUTSIDE OF CONCRETE PILE

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seatte T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HS, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC05
Attempt No. 1
Date: 3/26/2019
Logged By: HS
Horizontal Datum: WGS84

Field Collection Coordinates:
Lat/Northing: 47° 34' 19.7476"
Long/Easting: 122° 20' 40.1015"

A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: 13.0 FT

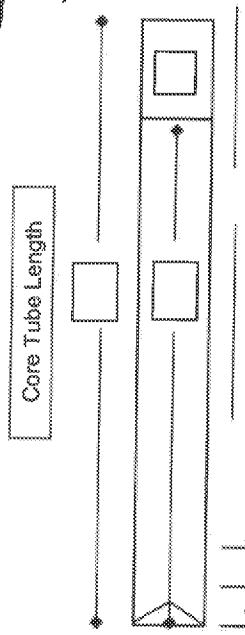
B. Water Level Measurements
Time: 0924
Height: 10.5
Source: NOAA PRELIMINARY @ ELLIOT BAY

C. Mudline Elevation
-2.5 FT

Core Collection Recovery Details:
Core Accepted: Yes / No
Core Tube Length: 15.1 FT
Drive Penetration: 0.5 FT
Headspace Measurement:
Recovery Measurement: ND
Recovery Percentage:
Total Length of Core To Process:

Drive Notes:
REFUSAL @ 0.5 FT

Recovery Measurements (prior to cuts)



Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

GRAVEL IN CORE NOSE

ND

Notes:
ND FROM GIS: 24 FT FROM TARGET; -2.8 FT DESIGN SUBGRADE ELEV

ND

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seattle T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HS, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC05
Attempt No. 2
Date: 3/26/2019
Logged By: HS
Horizontal Datum: WGS84

Field Collection Coordinates:
Lat/Northing: 47°34'14.9344
Long/Easting: 122°20'40.5775"

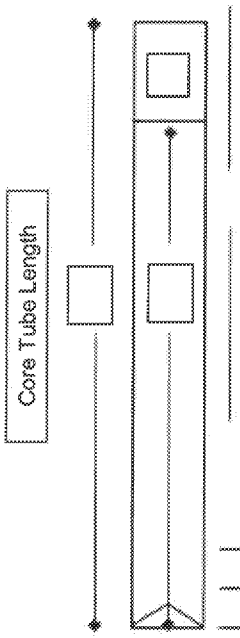
A. Water Depth
DTM Depth Sounder: ~14.4 FT
DTM Lead Line: —

B. Water Level Measurements
Time: 0955
Height: 10.2 FT
Source: NOAA PRELIMINARY @ ELLIOT BAY

C. Mudline Elevation
-4.2 FT

Core Collection Recovery Details:
Core Accepted: Yes / No
Core Tube Length: 15.1 FT
Drive Penetration: 3.0 FT
Headspace Measurement: 13.2 FT
Recovery Measurement: 1.9 FT
Recovery Percentage: 63%
Total Length of Core To Process: —

Recovery Measurements (prior to cuts)



Sections To Process:
A:
B:
C:
D:

Drive Notes:
3.0 FT HARD REFUSAL

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

~1 FT GRAVEL RECOVERED

Notes:
FROM GIS: 17 FT FROM TARGET, -7.2 FT DESIGN SUBGRADE ELEV

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seattle T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HS, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC-05
Attempt No. 3
Date: 3/26/2019
Logged By: HS
Horizontal Datum: WGS84

Field Collection Coordinates:
Lat/Northing: 47°31'20.2015"
Long/Easting: 122°20'40.1144"

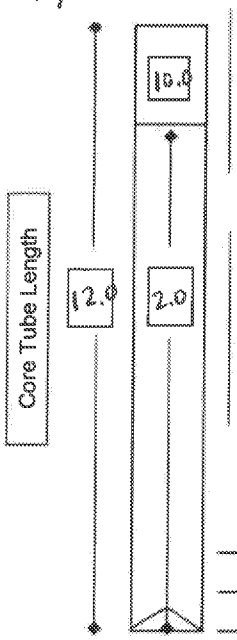
A. Water Depth
DTM Depth Sounder: 22.8 FT
DTM Lead Line: —

B. Water Level Measurements
Time: 1023
Height: 9.8 FT
Source: NOAA PRELIMINARY @ ELLIOT BAY

C. Mudline Elevation
-13.0 FT

Core Collection Recovery Details:
Core Accepted: (Yes) / No
Core Tube Length: 12.0 FT
Drive Penetration: 2.0 FT
Headspace Measurement: 10.0 FT
Recovery Measurement: 2.0 FT
Recovery Percentage: 100%
Total Length of Core To Process: 2.0 FT

Recovery Measurements (prior to cuts)



Drive Notes:
HARD REFUSAL @ 2 FT

Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Notes:
FROM 016: 47 FT FROM TARGET, -10.9 FT DESIGN SUBGRADE ELEV

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seattle T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HG, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC05
Attempt No. 4
Date: 3/26/2019
Logged By: HG
Horizontal Datum: WGS84

Field Collection Coordinates:
Lat/Northing: 47°34' 20.0844"
Long/Easting: 122° 20' 40.7531"

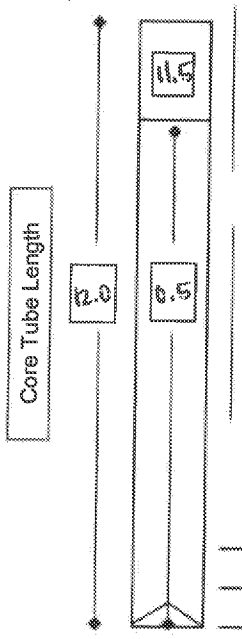
A. Water Depth
DTM Depth Sounder: 21.4 FT
DTM Lead Line: —

B. Water Level Measurements
Time: 1106
Height: 8.8 FT
Source: NOAA PRELIMINARY @ ELLIOT BAY

C. Mudline Elevation
-12.6 FT

Core Collection Recovery Details:
Core Accepted: Yes / (No)
Core Tube Length: 12.0 FT
Drive Penetration: 3.0 FT
Headspace Measurement: 11.5 FT
Recovery Measurement: 0.5 FT
Recovery Percentage: 17%
Total Length of Core To Process: — HP

Recovery Measurements (prior to cuts)



Drive Notes:
HARD REFUSAL @ 3 FT
HP

Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

~~~0.5 FT~~ ~6" OF GRAVEL RECOVERED IN NOSE
CONFIRMED 0.5 FT SUBROUNDED GRAVEL AFTER OPENING BAG
HP

Notes:
FROM GIS: 36 FT AWAY FROM TARGET, -9.8 DESIGN SUBGRADE ELEV
HP
~~~

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seattle T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HS, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC06
Attempt No. 1
Date: 3/26/2019
Logged By: HG
Horizontal Datum: WGS84

Field Collection Coordinates:
Lat/Northing: 47° 34' 21.2815"
Long/Easting: 122° 20' 38.5977"

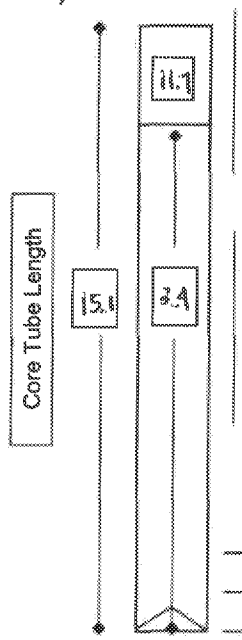
A. Water Depth
DTM Depth Sounder: 10.6 FT
DTM Lead Line: —

B. Water Level Measurements
Time: 1303
Height: 4.6 FT
Source: NOAA PRELIMINARY @ ELLIOT BAY

C. Mudline Elevation
-6.0 FT

Core Collection Recovery Details:
Core Accepted: (Yes) / No
Core Tube Length: 15.1 FT
Drive Penetration: 4.0 FT
Headspace Measurement: 11.7 FT
Recovery Measurement: 3.4 FT
Recovery Percentage: 85%
Total Length of Core To Process: 3.3 FT

Recovery Measurements (prior to cuts)



Sections To Process:
A:
B:
C:
D:

Drive Notes:
HARD REFUSAL @ 9 FT

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

SAND VISIBLE WITHIN CORE TUBE

Notes:

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seattle T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HS, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC-06
Attempt No. 2
Date: 3/26/2019
Logged By: HS
Horizontal Datum: WGS84

Field Collection Coordinates:
Lat/Northing: 47°39'21.4327"
Long/Easting: 122°20'38.6517"

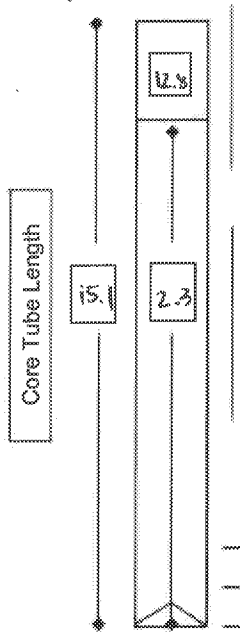
A. Water Depth 11.3 ~~11.8~~ ft
DTM Depth Sounder: ~~11.9~~ FT
DTM Lead Line: —

B. Water Level Measurements
Time: 1322
Height: 3.8 FT
Source: NOAA PRELIMINARY @ ELLIOT BAY

C. Mudline Elevation
-7.5 FT

Core Collection Recovery Details:
Core Accepted: Yes (No)
Core Tube Length: 15.1 FT
Drive Penetration: 4.0 FT
Headspace Measurement: 12.8 FT
Recovery Measurement: 2.3 FT
Recovery Percentage: 58%
Total Length of Core To Process: — ~~10~~

Recovery Measurements (prior to cuts)



Sections To Process:
A:
B:
C:
D:

Drive Notes:
REFUSAL @ 4 FT
~~10~~

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
~~10~~

Notes:

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seattle T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HS, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC-07
Attempt No. 1
Date: 3/15/2018
Logged By: HS
Horizontal Datum: WGS84

Field Collection Coordinates:
Lat/Northing: 47°34'23.1127"
Long/Easting: 122°20'37.9760"

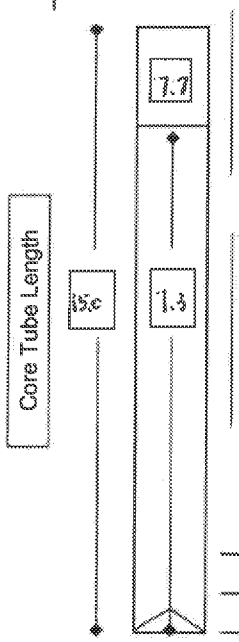
A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: 21.0 FT

B. Water Level Measurements
Time: 1517
Height: 0.0
Source: NOAA PRELIMINARY ELLIOT BAY

C. Mudline Elevation
-21.0 FT

Core Collection Recovery Details:
Core Accepted: Yes / No
Core Tube Length: 15.0 FT
Drive Penetration: 9.5 FT
Headspace Measurement: 7.7 FT
Recovery Measurement: 7.4 FT
Recovery Percentage: 78%
Total Length of Core To Process: 7.0 FT

Recovery Measurements (prior to cuts)



Drive Notes:

Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Notes:

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seattle T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HS, SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC08
Attempt No. 1
Date: 3/25/2019
Logged By: HS
Horizontal Datum: WGS 84

Field Collection Coordinates:
Lat/Northing: 47°34'24.8779"
Long/Easting: 122°20'37.2527"

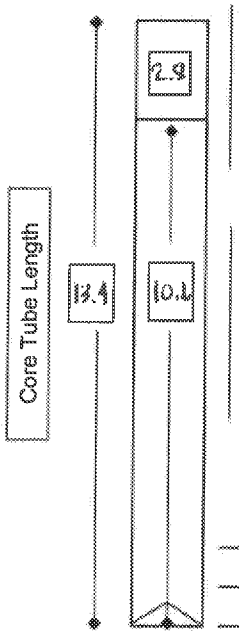
A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: 25.0 FT

B. Water Level Measurements
Time: 1311
Height: 2.5 FT
Source: NOAA PRELIMINARY @ ELLIOT BAY

C. Mudline Elevation
-22.5 FT

Core Collection Recovery Details:
Core Accepted: (Yes) / No
Core Tube Length: 13.4 FT
Drive Penetration: 12.0 FT
Headspace Measurement: 2.8 FT
Recovery Measurement: 10.6 FT
Recovery Percentage: 88%
Total Length of Core To Process: 10.0 FT

Recovery Measurements (prior to cuts)



Sections To Process:
A:
B:
C:
D:

Drive Notes:
EASY DRIVE ENTIRE LENGTH

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Notes:
~8 FT AWAY FROM TARGET. VESSEL CAN'T GET CLOSER DUE TO PILINGS.

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seatte T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM/HS/SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC-09
Attempt No. 1
Date: 3/29/2019
Logged By: HS
Horizontal Datum: WA STATE PLANE N NAD83

Field Collection Coordinates:
Lat/Northing: ~~1267734.00 ft~~ 212898.84
Long/Easting: 1267734.00

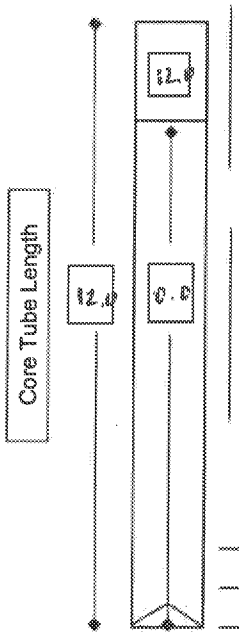
A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: 16.5 FT

B. Water Level Measurements
Time: 1338
Height: ~~1.85~~ FT 1.4
Source: NOAA PRELIMINARY ELLIOTT BAY

C. Mudline Elevation
-15.1 FT

Core Collection Recovery Details:
Core Accepted: Yes / No
Core Tube Length: 12.0 FT
Drive Penetration: 12.0 FT
Headspace Measurement: 12.0 FT
Recovery Measurement: 0.0 FT
Recovery Percentage: 0%
Total Length of Core To Process: —

Recovery Measurements (prior to cuts)



Drive Notes:
ROCKS AT SURFACE; PROBABLY DROVE THIS THE WHOLE WAY DOWN

Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Notes:
WHEN TAKING LEAD LINE, ROCKY SURFACE IN SOME SPOTS

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seattle T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM/HS/[illegible]
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: ~~SC-04~~ SC-09
Attempt No. 2
Date: 7/24/2019
Logged By: HS
Horizontal Datum: WA STATE PLANE N NAD83

Field Collection Coordinates:
Lat/Northing: 212894.81
Long/Easting: 1267731.12

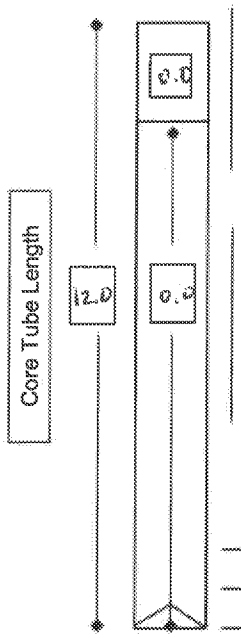
A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: ~~17.0~~ FT
17.6

B. Water Level Measurements
Time: 1352
Height: 1.0 FT
Source: NOAA PRELIMINARY @ ELLIOTT BAY

C. Mudline Elevation
-15.0 FT

Core Collection Recovery Details:
Core Accepted: Yes / No
Core Tube Length: 12.0 FT
Drive Penetration: 10.0 FT
Headspace Measurement: 12.0 FT
Recovery Measurement: 0.0 FT
Recovery Percentage: 0%
Total Length of Core To Process: —

Recovery Measurements (prior to cuts)



Drive Notes:
ASPHALT IN STOVE; PUSHING IT DOWN AND NOT COLLECTING SEDIMENT

Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Notes:

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seattle T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM/HG/SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: ~~SC-04~~ SC-09
Attempt No. 3
Date: 3/29/2019
Logged By: HG
Horizontal Datum: WA STATE PLANE N NAD83

Field Collection Coordinates:
Lat/Northing: 212897.29
Long/Easting: 1267739.31

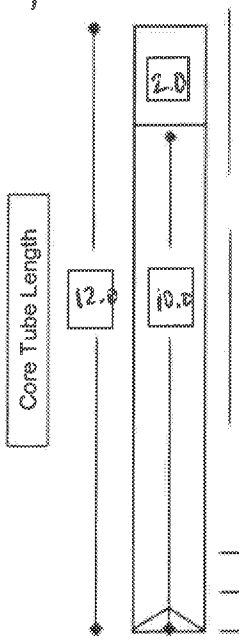
A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: ~~29.3~~ 22.0 FT

B. Water Level Measurements
Time: 1405
Height: 0.3 FT
Source: NOAA PRELIMINARY @ ELLIOTT BAY

C. Mudline Elevation
-21.1 FT

Core Collection Recovery Details:
Core Accepted: Yes / No
Core Tube Length: 12.0 FT
Drive Penetration: 11.8 FT
Headspace Measurement: ~~2.0 FT~~
Recovery Measurement: ~~10.0 FT~~ 4.0 FT
Recovery Percentage: ~~83%~~
Total Length of Core To Process: —

Recovery Measurements (prior to cuts)



Drive Notes:
HARD DRIVE THE WHOLE WAY BUT MAY BE BECAUSE DROVE CORE TUBE BETWEEN ROCKS

Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

OUTSIDE OF CORE TUBE HAS WOOD FIBERS AND ODOR ON SOME SPOTS
↳ HYDROCARBON-LIKE
rose material was silt with substantial shells.
material was silty sand w/shell

Notes:
CORE SLOSHED AROUND DURING DIFFICULTY GETTING IT OUT OF CORE TUBE. IT WAS MOSTLY WATER. ONLY 4.0 FT OF SEDIMENT ONCE OPENED & DRAINED.

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seatte T-25S Design Characterization
Job No: 160003-03.03
Field Staff: BM/HG/SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC-09
Attempt No. 4
Date: 2/21/2019
Logged By: HG
Horizontal Datum: WA STATE PLANE N NAD83

Field Collection Coordinates:
Lat/Northing: 212890.67
Long/Easting: 1267728.13

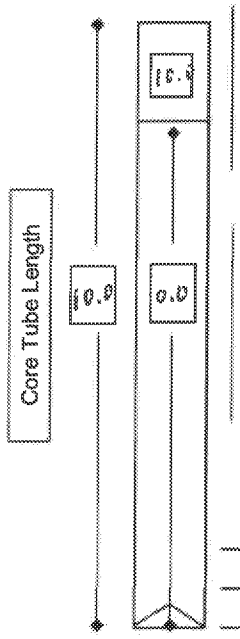
A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: 22.9 FT

B. Water Level Measurements
Time: 1506
Height: 0.7 FT
Source: NOAA PRELIMINARY @ ELLIOT BAY

C. Mudline Elevation
-22.2 FT

Core Collection Recovery Details:
Core Accepted: Yes / (No)
Core Tube Length: 10.0 FT
Drive Penetration: 4.0 FT
Headspace Measurement: 10.0 FT
Recovery Measurement: 0.0 FT
Recovery Percentage: 0%
Total Length of Core To Process: —

Recovery Measurements (prior to cuts)



Drive Notes:
HARD DRIVE, SCRAPING ON ROCKS AND/OR PUSHING ROCK THE WHOLE WAY

Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Notes:

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seattle T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM, HS, CO
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC-09A
Attempt No. 5
Date: 3/24/2019
Logged By: HS
Horizontal Datum: WA STATE PLANE N NAD83

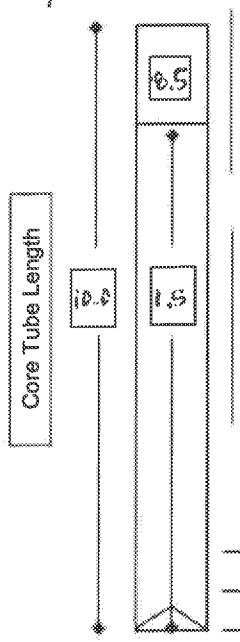
Field Collection Coordinates:
Lat/Northing: 212899.43
Long/Easting: 1267739.39

A. Water Depth
DTM Depth Sounder: —
DTM Lead Line: 22.8 FT

B. Water Level Measurements
Time: 1557
Height: 1.05 FT
Source: NOAA PRELIMINARY @ ELLIOTT BAY

C. Mudline Elevation
~~-31.9 FT~~ to
-30.9 FT

Recovery Measurements (prior to cuts)



on 2/23

Core Collection Recovery Details:
Core Accepted: (Yes) No ~~TBD~~
Core Tube Length: 10.0 FT
Drive Penetration: ~~2.0 FT~~ to 2.7 FT
Headspace Measurement: 8.5 FT
Recovery Measurement: 1.5 FT
Recovery Percentage: 56%
Total Length of Core To Process: 1.5 FT

Drive Notes:
REFUSAL @ 3 FT
DRIVE BETTER THAN ATTEMPTS 1-4
to

Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

BOTTOM OF CORE IS SILT WITH TRACE H2S-LIKE ODOR
to

Notes:
WILL ARCHIVE THESE INTERVALS. MAY COME BACK AT END OF PROGRAM.
to

ANCHOR QEA

Sediment Core Collection Log

Job: Port of Seattle T-25S Design Characterization
Job No: 160003-03.03
Field Staff: EM HS/SG
Contractor: Gravity Consulting
Vertical Datum: MLLW

Station ID: SC09 B
Attempt No. 6
Date: 3/26/2019
Logged By: HS
Horizontal Datum: WGS84

Field Collection Coordinates:
Lat/Northing: 47° 34' 24.8221"
Long/Easting: 122° 20' 35.4903"

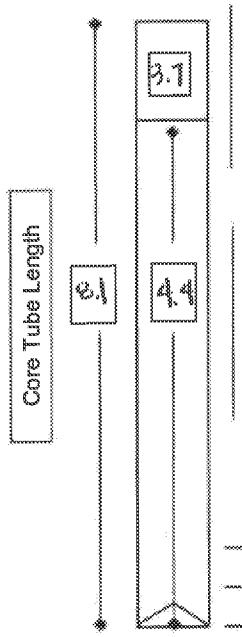
A. Water Depth
DTM Depth Sounder: ~~[illegible]~~
DTM Lead Line: MHW 14.9 FT

B. Water Level Measurements
Time: 1448
Height: 1.1 FT
Source: NOAA PRELIMINARY @ ELLIOT BAY

C. Mudline Elevation
-13.8 FT

Core Collection Recovery Details:
Core Accepted: (Yes) / No
Core Tube Length: 9.1 FT
Drive Penetration: 5.0 FT
Headspace Measurement: 3.7 FT
Recovery Measurement: 4.4 FT
Recovery Percentage: 88%
Total Length of Core To Process: 4.0 FT

Recovery Measurements (prior to cuts)



Drive Notes:

Sections To Process:
A:
B:
C:
D:

Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Notes:
SAMPLES: SC09B
~31 FT FROM TARGET, NOT WITHIN DREDGE BOUNDARY

Soil Boring Log

SB-03-A

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holt Services Inc.**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **SS**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20**
Northing: **212462.52** Easting: **1267750.54**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **8/5/20**
Groundwater Depth: **11**	Elevation (ft MLLW): **14.95**	Date Completed: **8/5/20**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Recovery	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0							
1	14	T25-SB-03A-0-1	Archive		0	0-6.5 ft: Loose, moist, light brown to brown, POORLY GRADED SAND (SP), 80% fine to medium sand, 15% gravel (subrounded, up to 1 inch), 5% fines.	
		T25-SB-03A-1-2	Archive				
2	13				0		
		T25-SB-03A-2-3	Archive	5/5			
3	12				0		
		T25-SB-03A-3-4	Archive				
4	11				0		
		T25-SB-03A-4-5	Archive				
5	10				0		
		T25-SB-03A-5-6	Archive				
6	9				0		
		T25-SB-03A-6-7	Archive				
7	8				0	6.5-9.8 ft: Loose, moist, dark gray, SILTY SAND (SM), 80% fine to medium sand, 20% fines. @6.5 ft: Trace anthropogenic material (1 inch plastic wrapper). @7.2 ft: Grades to brown to dark brown, organic material (wood fibers, wood fragments up to 2 inches).	
		T25-SB-03A-7-8	Archive	5/5			
8	7				0		
		T25-SB-03A-8-9	Archive				
9	6				0.1		
		T25-SB-03A-9-10	Archive				
10	5				0	9.8-12.0 ft: Loose, moist, brown, SILTY SAND (SM), 70% fine to medium sand, 30% fines, substantial organic material (50-70% wood fibers, sawdust), Hydrogen Sulfide-like odors. @11.0 ft: Grades to wet. @11.2 ft: Substantial organic material (30-40% wood fragments, sticks up to 3 inches), Hydrogen Sulfide-like odors.	
		T25-SB-03A-10-11	Archive				
11	4				0.4		
		T25-SB-03A-11-12	Archive				
12	3				0.7	12.0-13.0 ft: Layer of 100% organic material, (intact wood fragments, up to 1 inch thick), Hydrogen Sulfide-like odors.	
		No Sample Wood Only		4/5*			
13	2				1.2	13.0-15.0 ft: Loose, wet, brown, SILTY SAND (SM), 70% fine to medium sand, 30% fines, substantial organic material (90% wood fragments up to 2 inches), Hydrogen Sulfide-like odors.	
		T25-SB-03A-13-14	Archive				
14	1				0.1		
		T25-SB-03A-14-15	Archive				
15	0				1.2	15.0-19.8 ft: Loose, moist to wet, gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines, trace organic material (wood fiber and sticks up to 2 inches).	
		T25-SB-03A-15-16	Archive				
16	-1				0.2		
		T25-SB-03A-16-17	Archive				
17	-2				0.2		
		T25-SB-03A-17-18	Archive	4/5*			
18	-3				0.1		
		T25-SB-03A-18-19	Archive				
19	-4				0	19.8-20.0 ft: Loose, moist, brown, SILTY SAND (SM), 70% fine to medium sand, 30% fines, substantial organic material (50-70% intact wood fragements up to 3 inches), slight Hydrogen Sulfide-like odors.	
		T25-SB-03A-19-20	Archive		0.5		
20	-5						

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Notes: * = compact correction

Soil Boring Log
SB-03-B

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holt Services Inc.**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **SS**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20**
Northing: **212438.53** Easting: **1267748.63**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **8/5/20**
Groundwater Depth: **13.5**	Elevation (ft MLLW): **15.31**	Date Completed: **8/5/20**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Recovery	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0							
	15	T25-SB-03B-0-1	Archive			0-0.3 ft: ASPHALT.	
1					0.1	0.3-1.0 ft: Loose, dry to damp, brown, SILTY SAND WITH GRAVEL (SM), 70% fine to coarse sand, 15% gravel (subrounded, up to 2 inches), 15% fines.	
	14	T25-SB-03B-1-2	Archive				
2					0.1	1.0-2.5 ft: Loose, moist, brown to gray, POORLY GRADED SAND (SP), 80% fine to medium sand, 15% gravel (subrounded, up to 2 inches), 5% fines.	
	13	T25-SB-03B-2-3	Archive	5/5			
3					0.2	2.5-3.3 ft: Loose, moist, brown to gray, SILTY SAND WITH GRAVEL (SM), 70% fine to coarse sand, 15% gravel (subangular to subrounded, up to 2 inches), 15% fines.	
	12	T25-SB-03B-3-4	Archive				
4					0.3	3.3-8 ft: Loose to Medium dense, moist, gray, POORLY GRADED SAND WITH SILT (SP-SM), 85% fine to medium sand, 10% fines, 5% gravel (subrounded, up to 2 inches).	
	11	T25-SB-03B-4-5	Archive				
5					0.2		
	10	T25-SB-03B-5-6	Archive				
6					0.4		
	9	T25-SB-03B-6-7	Archive				
7					0.0		
	8	T25-SB-03B-7-8	PCBs, TS, TOC	5/5			
8					0.1	8.0-10.0 ft: Loose, moist, brown to dark brown, SILTY SAND (SM), 70% fine to medium sand, 30% fines, substantial organic material (60-70% wood fragments, sawdust, sticks up to 4 inches) slight Hydrogen Sulfide-like odors. @9.5-10.0 ft: Layer of substantial (50-70%) intact wood fragments, diameter of boring, up to 1 inch thick.	
	7	T25-SB-03B-8-9	PCBs, TS, TOC				
9					0.1		
	6	T25-SB-03B-9-10	PCBs, TS, TOC				
10					0	10.0-13.5 ft: No recovery (see T25-SB-03-BB).	
	5	No sample					
11					0		
	4	No sample					
12					0		
	3	No sample		1.5/5			
13					0		
	2	T25-SB-03B-13-14	Archive				
14					0	13.5 ft-16.6: Loose, wet, brown to dark brown, SILTY SAND (SM), 70% fine to medium sand, 30% fines, substantial organic material (60-70% wood fragments, sawdust, sticks up to 4 inches) slight Hydrogen Sulfide-like odors. @14.4 ft: Grades to gray.	
	1	T25-SB-03B-14-15	Archive				
15					0		
	0	T25-SB-03B-15-16	Archive				
16					0		
	-1	T25-SB-03B-16-17	Archive				
17					0	16.6-18.3 ft: Loose, moist, dark gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines, trace organic material (wood fibers, sticks up to 1 inch).	
	-2	T25-SB-03B-17-18	Archive	3.5/5*			
18					0		
	-3	T25-SB-03B-18-19	Archive				
19					0	Native Contact 18.3-20.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
	-4	T25-SB-03B-19-20	Archive				
20					0		

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Notes: * = compact correction

Soil Boring Log
SB-03-BB

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holt Services Inc.**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **SS**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **15**
Northing: **212439.14** Easting: **1267745.68**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **8/6/20**
Groundwater Depth: **12**	Elevation (ft MLLW): **15.35**	Date Completed: **8/6/20**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Recovery	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
10	5	T25-SB-03BB-10-11	Archive	4/5*	0	10.0-11.1 ft: Loose, moist, gray, POORLY GRADED SAND (SP), 90% fine to medium sand, 5% gravel (subrounded, up to 1 inch), 5% fines.	
11	4	T25-SB-03BB-11-12	Archive		0	11.1-15.0 ft: Loose, moist to wet, brown to gray, SILTY SAND (SM), 70% fine to medium sand, 30% fines, organic material (50-60% wood fragments, sawdust, sticks up to 2 inches) slight Hydrogen Sulfide-like odors. @12.8 ft: Grades to wet. @13.2-15 ft: Slight non-brittle sheen observed. @13.3 ft: Large 4 inch intact wood fragment.	
12	3	T25-SB-03BB-12-13	Archive		0		
13	2	No sample			0		
14	1	No sample			0		
15	0				0		

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Notes: * = compact correction
Cored to 10 feet, sampled from 10 to 15 feet, terminated at 15 feet.

Soil Boring Log
SB-03-C

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holt Services Inc.**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **SS**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20**
Northing: **212420.95** Easting: **1267689.35**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **8/5/20**
Groundwater Depth: **10**	Elevation (ft MLLW): **15.79**	Date Completed: **8/5/20**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Recovery	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0							
	15	T25-SB-03C-0-1	Archive			0-0.3 ft: ASPHALT.	
1					0.4	0.3-1.8 ft: Loose, dry to damp, brown to gray, SILTY SAND WITH GRAVEL (SM), 70% fine to coarse sand, 15% gravel (subrounded, up to 2 inches), 15% fines.	
	14	T25-SB-03C-1-2	Archive				
2					0.7	1.8-2.5 ft: Loose, moist, gray, POORLY GRADED SAND (SP), 90% fine to medium sand, 5% gravel (subrounded, up to 1 inch), 5% fines.	
	13	T25-SB-03C-2-3	Archive	5/5			
3					0.2	2.5-3.2 ft: Dense, moist, gray, SILTY SAND (SM), 70% fine to medium sand, 30% fines.	
	12	T25-SB-03C-3-4	Archive				
4					0.2	3.2-7.0 ft: Loose to medium dense, moist, gray to brown, POORLY GRADED SAND WITH SILT (SP-SM), 85% fine to medium sand, 10% fines, 5% gravel (subrounded, up to 2 inches).	
	11	T25-SB-03C-4-5	Archive				
5					0.2		
	10	T25-SB-03C-5-6	Archive				
6					0.1		
	9	T25-SB-03C-6-7	Archive				
7					0.1	7.0-7.6 ft: Dense, moist, brown to gray, SILTY SAND (SM), 70% fine to medium sand, 30% fines, organic material (intact wood fragments up to 4 inches).	
	8	T25-SB-03C-7-8	Archive	5/5			
8					0.2	7.6-8.4 ft: Loose to medium dense, moist, gray, POORLY GRADED SAND WITH SILT (SP-SM), 85% fine to medium sand, 10% fines, 5% gravel (subrounded, up to 2 inches).	
	7	T25-SB-03C-8-9	Archive				
9					3.0	8.4-12.5 ft: Loose, moist, brown to dark brown, SILTY SAND (SM), 70% fine to medium sand, 30% fines, substantial organic material (70-90% sawdust, wood fragments up to 4 inches) Hydrogen Sulfide-like odors.	
	6	T25-SB-03C-9-10	Archive				
10					1.4	@10.0 ft: Grades to wet, brown, organic material (wood fragments up to 2 inches).	
	5	T25-SB-03C-10-11	Archive			@11.2 ft: Grades to loose to medium dense, moist to wet, dark brown, organic material (40-60% sawdust, wood fragments up to 2 inches).	
11					0.2		
	4	T25-SB-03C-11-12	Archive				
12					0.2		
	3	T25-SB-03C-12-13	Archive	5/5			
13					0.1	12.5-14.6 ft: Loose to medium dense, moist, gray, POORLY GRADED SAND WITH SILT (SP-SM), 85% fine to medium sand, 10% fines, 5% gravel (subrounded, up to 1 inch).	
	2	T25-SB-03C-13-14	Archive				
14					0.9	14.6-15.0 ft: Layer of 100% organic material (intact wood fragments, diameter of boring), Hydrogen Sulfide-like odors.	
	1	T25-SB-03C-14-15	Archive				
15					0.3	15.0-16.6 ft: Loose, moist, dark gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines, organic material (20-30% wood fiber and sticks up to 2 inches) Hydrogen Sulfide-like odors.	
	0	T25-SB-03C-15-16	Archive				
16					0.1		
	-1	T25-SB-03C-16-17	Archive				
17					0.1	Native Contact 16.6-20.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
	-2	T25-SB-03C-17-18	Archive	5/5			
18					0.2		
	-3	T25-SB-03C-18-19	Archive				
19					0.2		
	-4	T25-SB-03C-19-20	Archive				
20					0.2		

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Notes: * = compact correction

Soil Boring Log
SB-03-D

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holt Services Inc.**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **SS**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20**
Northing: **212418.84** Easting: **1267717.84**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **8/5/20**
Groundwater Depth: **13**	Elevation (ft MLLW): **15.58**	Date Completed: **8/5/20**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Recovery	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0							
	15	T25-SB-03D-0-1	Archive			0-0.3 ft: ASPHALT.	
1					1.0	0.3-1.1 ft: Loose, dry to damp, brown, SILTY SAND WITH GRAVEL (SM), 70% fine to coarse sand, 5% gravel (subrounded, up to 2 inches), 20% fines.	
	14	T25-SB-03D-1-2	Archive				
2					0	1.1-7.5 ft: Loose, moist, gray to brown, POORLY GRADED SAND (SP), 90% fine to medium sand, 5% gravel (subrounded, up to 1 inch), 5% fines.	
	13	T25-SB-03D-2-3	Archive	5/5			
3					0		
	12	T25-SB-03D-3-4	Archive				
4					0		
	11	T25-SB-03D-4-5	Archive				
5					0		
	10	T25-SB-03D-5-6	Archive				
6					1.5		
	9	T25-SB-03D-6-7	Archive				
7					1.5		
	8	T25-SB-03D-7-8	PCBs, TS, TOC	4/5*			
8					0	7.5-10.0 ft: Medium dense, moist, gray, POORLY GRADED SAND WITH SILT (SP-SM), 85% fine to medium sand, 10% fines, 5% gravel (subrounded, up to 1 inches). @9.0 ft: Organic material (40-60% wood fibers, sticks to 3 inches). @9.5 ft: Large intact wood (diameter of boring), Hydrogen Sulfide-like odors.	
	7	T25-SB-03D-8-9	PCBs, TS, TOC				
9					0.3		
	6	T25-SB-03D-9-10	PCBs, TS, TOC				
10					0	10-13 ft: No Recovery (see T25-SB-03-DD).	
	5	No sample					
11					0		
	4	No sample					
12					0		
	3	No sample		2/5			
13					0	13.0-15.0 ft: Loose, wet, brown, SILTY SAND (SM), 70% fine to medium sand, 30% fines, substantial organic material (70-90% intact wood fragments, sticks up to 4 inches), Hydrogen Sulfide-like odors.	
	2	No sample					
14					0		
	1	T25-SB-03D-14-15	Archive				
15					0	15.0-16.0 ft: Layer of 100% organic material, (intact wood fragments, diameter of boring), Hydrogen Sulfide-like odors.	
	0	No Sample Wood Only					
16					0	16-18.8 ft: Loose, moist to wet, gray to dark gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines, organic material (20-30% wood fiber and sticks up to 2 inches) Hydrogen Sulfide-like odors.	
	-1	T25-SB-03D-16-17	Archive				
17					0		
	-2	T25-SB-03D-17-18	Archive	5/5			
18					0		
	-3	T25-SB-03D-18-19	Archive				
19					0	Native Contact 18.8-20.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
	-4	T25-SB-03D-19-20	Archive				
20					0		

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Notes: * = compact correction

Soil Boring Log
SB-03-DD

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holt Services Inc.**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **SS**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **14**
Northing: **212416.59** Easting: **1267718.66**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **8/6/20**
Groundwater Depth: **13**	Elevation (ft MLLW): **15.58**	Date Completed: **8/6/20**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Recovery	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
10		No sample		2.5/4*		10.0-11.0 ft: No recovery	
11		T25-SB-03DD-11-12	Archive		0	11.0-12.0 ft: Medium dense, moist, gray, POORLY GRADED SAND WITH SILT (SP-SM), 85% fine to medium sand, 10% fines, 5% gravel (subrounded, up to 1 inches), organic material (large intact wood fragment up to 4 inches).	
12		T25-SB-03DD-12-13	Archive		0	12.0-13.6 ft: Loose, moist to wet, brown, SILTY SAND (SM), 70% fine to medium sand, 30% fines, organic material (intact wood fragments, sticks up to 4 inches), Hydrogen Sulfide-like odors.	
13		T25-SB-03DD-13-14	Archive		0	13.6-14.0 ft: Layer of 100% organic material (large intact wood, diamerter of boring), Hydrogen Sulfide-like odors.	
14					0		

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Notes: * = compact correction
Cored to 10 feet, sampled from 11 to 14 feet, terminated at 14 feet.

Soil Boring Log
SB-03-E

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holt Services Inc.**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **SS**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20**
Northing: **212408.90** Easting: **1267772.12**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **8/6/20**
Groundwater Depth: **14.4**	Elevation (ft MLLW): **15.86**	Date Completed: **8/6/20**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Recovery	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0							
		T25-SB-03E-0-1	Archive			0-0.3 ft: ASPHALT.	
1	15				0.1	0.3-1.1 ft: Loose, dry to damp, gray, SILTY SAND WITH GRAVEL (SM), 75% fine to coarse sand, 10% gravel (subrounded, up to 1 inch), 15% fines.	
		T25-SB-03E-1-2	Archive				
2	14				0	1.1-2.7 ft: Loose, moist, gray, POORLY GRADED SAND (SP), 90% fine to medium sand, 5% gravel (subrounded, up to 1 inch), 5% fines.	
		T25-SB-03E-2-3	Archive	5/5			
3	13				0	2.7-3.3 ft: Dense, moist, gray, SILTY SAND (SM), 70% fine to medium sand, 30% fines, slight iron staining.	
		T25-SB-03E-3-4	Archive				
4	12				7.1	3.3-7.6 ft: Loose to medium dense, moist, gray, POORLY GRADED SAND WITH SILT (SP-SM), 85% fine to medium sand, 10% fines, 5% gravel (subrounded, up to 2 inches).	
		T25-SB-03E-4-5	Archive				
5	11				0		
		T25-SB-03E-5-6	Archive				
6	10				0		
		T25-SB-03E-6-7	Archive				
7	9				0		
		T25-SB-03E-7-8	PCBs, TS, TOC	5/5			
8	8				0	7.6-10.0 ft: Loose, moist, brown to dark brown, SILTY SAND (SM), 70% fine to medium sand, 30% fines, substantial organic material (60-80% sawdust, wood fibers, fragments up to 3 inches) Hydrogen Sulfide-like odors.	
		T25-SB-03E-8-9	PCBs, TS, TOC				
9	7				0	@8.5 ft: Anthropogenic material (1 inch brick fragment).	
		T25-SB-03E-9-10	PCBs, TS, TOC			@9.8 ft: 3 inch rounded cobble.	
10	6				0		
		T25-SB-03E-10-11	Archive			10.0-14.0 ft: Layer of 100% organic material (intact wood fragments, diameter of boring), Hydrogen Sulfide-like odors.	
11	5				0	@10.0-10.6 ft: Brown fragments up to 1 inch.	
		T25-SB-03E-11-12	Archive			@10.6-11.0 ft: Red sawdust material.	
12	4				0	@11.0-11.8 ft: Brown to dark brown fragments up to 1 inch.	
		T25-SB-03E-12-13	Archive	5/5		@11.8-14.0 ft: Brown to light brown sawdust material and fragments up to 1 inch.	
13	3				0		
		T25-SB-03E-13-14	Archive			14.0-14.4 ft: Loose, moist, brown to dark brown, SILTY SAND (SM), 70% fine to medium sand, 30% fines, substantial organic material (60-80% sawdust, wood fibers, fragments up to 3 inches) Hydrogen Sulfide-like odors.	
14	2				0		
		T25-SB-03E-14-15	Archive			14.4-17.1 ft: Loose, moist to wet, gray to dark gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines, organic material (70-90% sawdust, wood fiber and sticks up to 2 inches) Hydrogen Sulfide-like odors.	
15	1				0	@15.7 ft: Transition to trace organic material (wood fibers and sticks up to 2 inches).	
		T25-SB-03E-15-16	Archive				
16	0				0		
		T25-SB-03E-16-17	Archive				
17	-1				0		
		T25-SB-03E-17-18	Archive	5/5		Native Contact 17.1-20.0 ft: Loose, moist, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
18	-2				0		
		T25-SB-03E-18-19	Archive				
19	-3				0		
		T25-SB-03E-19-20	Archive				
20	-4				0		

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Notes: * = compact correction

Soil Boring Log
SB-03-F

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holt Services Inc.**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **SS**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20**
Northing: **212404.20** Easting: **1267795.55**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **8/6/20**
Groundwater Depth: **15**	Elevation (ft MLLW): **15.95**	Date Completed: **8/6/20**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Recovery	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0							
1	15	T25-SB-03F-0-1	Archive		3.3	0.0-0.4 ft: Loose, dry, light brown, GRAVELLY SAND (SW), 65% fine to coarse sand, 30% gravel (subangular to subrounded, up to 2 inches), 5% fines.	
2	14	T25-SB-03F-1-2	Archive		7.3	0.4-2.2 ft: Loose, dry to damp, gray, SILTY SAND WITH GRAVEL (SM), 75% fine to coarse sand, 10% gravel (subrounded, up to 1 inch), 15% fines.	
3	13	T25-SB-03F-2-3	Archive	5/5	9.7	2.2-6.0 ft: Loose, moist, brown to gray, POORLY GRADED SAND (SP), 90% fine to medium sand, 5% gravel (subrounded, up to 1 inch), 5% fines.	
4	12	T25-SB-03F-3-4	Archive		13.7		
5	11	T25-SB-03F-4-5	Archive		2.4	@4.4 ft: Grades to 10% gravel.	
6	10	T25-SB-03F-5-6	Archive		1.7		
7	9	T25-SB-03F-6-7	Archive		3.6	6.0-8.0 ft: Loose to medium dense, moist, gray, SILTY SAND (SM), 70% fine to medium sand, 30% fines.	
8	8	T25-SB-03F-7-8	Archive	5/5	0.4		
9	7	T25-SB-03F-8-9	Archive		0.4	8.0-9.8 ft: Loose, moist, gray, POORLY GRADED SAND (SP), 95% fine to medium sand, 5% fines.	
10	6	T25-SB-03F-9-10	Archive		0.6	9.8-10.0 ft: Medium dense, moist, dark brown, SILTY SAND (SM), 70% fine to medium sand, 30% fines, substantial organic material (60-70% sawdust, wood fragments up to 2 inches).	
11	5	T25-SB-03F-10-11	Archive		0.1	10.0-15.0 ft: Layer of 100% organic material, (intact wood fragments, sawdust, diameter of boring), Hydrogen Sulfide-like odors. @10.0 ft: Anthropogenic material (1 inch angular brick fragment). @10.0 ft: Brown sawdust material, wood fragments up to 1 inch. @13.0 ft: Light brown sawdust material, wood fragments up to 2 inches.	
12	4	T25-SB-03F-11-12	Archive		0.2		
13	3	T25-SB-03F-12-13	Archive	5/5	0.1		
14	2	T25-SB-03F-13-14	Archive		0		
15	1	T25-SB-03F-14-15	Archive		2.9		
16	0	T25-SB-03F-15-16	Archive		0.2	15.0-17.2 ft: Loose, wet, brown, SILTY SAND (SM), 70% fine to medium sand, 30% fines, substantial organic material (70-90% sawdust, wood fibers, fragments up to 2 inches) Hydrogen Sulfide-like odors.	
17	-1	T25-SB-03F-16-17	Archive		0	17.2-17.9 ft: Loose, moist to wet, gray to dark gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines, trace organic material (wood fibers, sticks up to 1 inch). @17.5 ft: Organic material (2.5 inch intact wood fragment).	
18	-2	T25-SB-03F-17-18	Archive	5/5	0		
19	-3	T25-SB-03F-18-19	Archive		0	Native Contact 17.9-20.0 ft: Loose, moist to wet, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
20	-4	T25-SB-03F-19-20	Archive		0		

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Notes: * = compact correction

Soil Boring Log
SB-03-G

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holt Services Inc.**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **SS**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20**
Northing: **212386.76** Easting: **1267740.94**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **8/5/20**
Groundwater Depth: **15**	Elevation (ft MLLW): **16.07**	Date Completed: **8/5/20**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Recovery	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	16						
		T25-SB-03G-0-1	Archive			0-0.3 ft: ASPHALT.	
1	15				2.7	0.3-2.4 ft: Loose, dry to damp, brown to gray, SILTY SAND WITH GRAVEL (SM), 75% fine to coarse sand, 10% gravel (subrounded, up to 1 inch), 15% fines.	
		T25-SB-03G-1-2	Archive				
2	14				6.3		
		T25-SB-03G-2-3	Archive	5/5		2.4-4.4 ft: Loose, moist, gray, POORLY GRADED SAND (SP), 85% fine to medium sand, 10% gravel (subrounded, up to 1 inch), 5% fines.	
3	13				1.3		
		T25-SB-03G-3-4	Archive				
4	12				0		
		T25-SB-03G-4-5	Archive				
5	11				0	4.4-6.3 ft: Loose, moist, gray, SILTY SAND WITH GRAVEL (SM), 70% fine to coarse sand, 15% gravel (subrounded, up to 1 inch), 15% fines.	
		T25-SB-03G-5-6	Archive				
6	10				0		
		T25-SB-03G-6-7	Archive			6.3-8.5 ft: Loose to medium dense, moist, gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines.	
7	9				0		
		T25-SB-03G-7-8	PCBs, TS, TOC	5/5			
8	8				1.2		
		T25-SB-03G-8-9	PCBs, TS, TOC				
9	7				0.7	8.5-15.0 ft: Loose to medium dense, moist, brown to gray, SILTY SAND (SM), 70% fine to medium sand, 30% fines, organic material (wood fibers, sticks up to 2 inches), Hydrogen Sulfide-like odors. @8.5-9.9 ft: Organic material (50% sawdust material, small wood fibers). @9.2-9.3 ft: Trace subrounded gravel (up to 0.5 inches)	
		T25-SB-03G-9-10	PCBs, TS, TOC				
10	6				0.4		
		T25-SB-03G-10-11	Archive				
11	5				0		
		T25-SB-03G-11-12	Archive				
12	4				0.4		
		T25-SB-03G-12-13	Archive	3.5/5*			
13	3				0		
		T25-SB-03G-13-14	Archive				
14	2				0		
		T25-SB-03G-14-15	Archive			@14.7-15 ft: Substantial organic material (90-95% wood fragment diameter of boring).	
15	1				0.1	15-17.7 ft: Loose, moist to wet, gray to dark gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines, trace organic material (wood fibers, sticks up to 1 inch).	
		T25-SB-03G-15-16	Archive				
16	0				0.1		
		T25-SB-03G-16-17	Archive				
17	-1				0.2		
		T25-SB-03G-17-18	Archive	5/5			
18	-2				0.2	Native Contact 17.7-20.0 ft: Loose, moist to wet, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
		T25-SB-03G-18-19	Archive				
19	-3				0.2		
		T25-SB-03G-19-20	Archive				
20					0.1		

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Notes: * = compact correction

Soil Boring Log
SB-03-H

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holt Services Inc.**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **SS**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20**
Northing: **212355.02** Easting: **1267735.03**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **8/5/20**
Groundwater Depth: **15.2**	Elevation (ft MLLW): **16.28**	Date Completed: **8/5/20**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Recovery	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0							
	16	T25-SB-03H-0-1	Archive			0-0.3 ft: ASPHALT.	
1					0.2	0.3-1.2 ft: Loose, dry to damp, brown to gray, SILTY SAND WITH GRAVEL (SM), 70% fine to coarse sand, 15% gravel (subangular to subrounded, up to 1.5 inches), 15% fines.	
	15	T25-SB-03H-1-2	Archive				
2					0	1.2-6.4 ft: Loose, moist, brown to gray, POORLY GRADED SAND (SP), 85% fine to medium sand, 10% gravel (subrounded, up to 1.5 inches), 5% fines.	
	14	T25-SB-03H-2-3	Archive	5/5			
3					0		
	13	T25-SB-03H-3-4	Archive				
4					0.3		
	12	T25-SB-03H-4-5	Archive				
5					0.5		
	11	T25-SB-03H-5-6	Archive				
6					0.3		
	10	T25-SB-03H-6-7	Archive				
7					0.1	6.4-8.0 ft: Medium dense, moist, gray, POORLY GRADED SAND WITH SILT (SP-SM), 85% fine to medium sand, 5% gravel (subrounded, up to 1 inch), 10% fines.	
	9	T25-SB-03H-7-8	Archive	4.5/5*			
8					0		
	8	T25-SB-03H-8-9	Archive			8.0-9.5 ft: Medium dense, moist, gray, POORLY GRADED SAND (SP), 95% fine to coarse sand, 5% fines.	
9					0		
	7	T25-SB-03H-9-10	Archive				
10					0	9.5-11.3 ft: Loose, moist, dark brown to gray, SILTY SAND (SM), 70% fine to medium sand, 30% fines, substantial organic material (50-70% sawdust, wood fibers, sticks up to 2 inches), Hydrogen Sulfide-like odors.	
	6	T25-SB-03H-10-11	Archive				
11					0		
	5	T25-SB-03H-11-12	Archive			11.3-15.0 ft: Layer of 100% organic material, (sawdust material, intact wood fragments up to 2 inches), Hydrogen Sulfide-like odors.	
12					0		
	4	T25-SB-03H-12-13	Archive	4/5			
13					0		
	3	T25-SB-03H-13-14	Archive				
14					0		
	2	T25-SB-03H-14-15	Archive			15.0-15.4 ft: Loose, wet, gray, SILTY SAND (SM), 70% fine to medium sand, 30% fines, organic material (30-40% sawdust, wood fibers, sticks up to 2 inches), Hydrogen Sulfide-like odors.	
15					0		
	1	T25-SB-03H-15-16	Archive			15.4-17.3 ft: Loose, moist to wet, gray to dark gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines, trace organic material (wood fibers, sticks up to 1 inch).	
16					0		
	0	T25-SB-03H-16-17	Archive				
17					0		
	-1	T25-SB-03H-17-18	Archive	5/5		Native Contact 17.3-20.0 ft: Loose, moist to wet, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
18					0		
	-2	T25-SB-03H-18-19	Archive				
19					0		
	-3	T25-SB-03H-19-20	Archive				
20					0		

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Notes: * = compact correction

Soil Boring Log
SB-16

Project: **Terminal 25 South**	Location: **Seattle, WA**	Project #: **160003-03.03**
Client: **Port of Seattle**	Contractor: **Holt Services Inc.**	Drilling Equipment: **Geoprobe 8140LC**
Logged By: **SS**	Method/Core Diameter: **Sonic / 4 inches**	Total Depth (feet): **20**
Northing: **212268.89** Easting: **1267689.59**	Horizontal Datum: **NAD 83 WA State Plane North, feet**	Date Started: **8/6/20**
Groundwater Depth: **16**	Elevation (ft MLLW): **16.97**	Date Completed: **8/6/20**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample	Chemical Analysis	Recovery	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0						0-0.2 ft: ASPHALT.	
1	16				0	0.3-1.2 ft: Loose, dry to damp, brown to gray, SILTY SAND WITH GRAVEL (SM), 70% fine to coarse sand, 15% gravel (subangular to subrounded, up to 1.5 inches), 15% fines.	
2	15			5/5	0	1.6-3.5 ft: Loose, moist, brown to gray, POORLY GRADED SAND (SP), 80% fine to medium sand, 15% gravel (subrounded, up to 1.5 inches), 5% fines.	
3	14				0		
4	13		TPH-Dx, TCLP Metals, SVOCs, PAHs, PCBs, TS		0	3.5-5.5 ft: Loose to medium dense, moist, gray to brown, POORLY GRADED SAND WITH SILT (SP-SM), 85% fine to medium sand, 5% gravel (subrounded, up to 0.5 inches), 10% fines.	
5	12	T25-SB-16-0-10			0		
6	11				0	5.5-7.4 ft: Loose, moist, gray, POORLY GRADED SAND (SP), 95% fine to coarse sand, 5% fines.	
7	10			5/5	0		
8	9				0	7.4-10.0 ft: Loose to medium dense, moist, brown to dark brown, SILTY SAND (SM), 70% fine to medium sand, 30% fines, substantial organic material (50-70% sawdust, wood fibers, sticks up to 3 inches), Hydrogen Sulfide-like odors. @9.0 ft: Anthropogenic material (3 inch brick fragments).	
9	8				0		
10	7				0		
		T25-SB-16-10-11	Archive			10.0-12.6 ft: Layer of 100% organic material, (sawdust material, wood fragments up to 1 inches), Hydrogen Sulfide-like odors.	
11	6				0		
		T25-SB-16-11-12	Archive				
12	5				0		
		T25-SB-16-12-13	Archive	5/5			
13	4				0	12.6-15.5 ft: Loose to medium dense, moist, gray, SILTY SAND (SM), 70% fine to medium sand, 30% fines, organic material (40-50% sawdust material, wood fragments up to 1 inches).	
		T25-SB-16-13-14	Archive				
14	3				0	@14.0 ft: Transition to trace organic material.	
		T25-SB-16-14-15	Archive				
15	2				0		
		T25-SB-16-15-16	Archive			15.5-16.0 ft: Loose, moist to wet, dark gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines, trace organic material (wood fibers, up to 1 inch).	
16	1				0		
		T25-SB-16-16-17	Archive			16.0-17.6 ft: Loose, wet, dark gray, SILTY SAND (SM), 70% fine to medium sand, 30% fines,substantial organic material (50-70% sawdust, wood fibers, sticks up to 2 inches), Hydrogen Sulfide-like odors.	
17	0				0		
		T25-SB-16-17-18	Archive	5/5			
18	-1				0	17.6-19.0 ft: Loose, moist to wet, gray to dark gray, POORLY GRADED SAND WITH SILT (SP-SM), 90% fine to medium sand, 10% fines.	
		T25-SB-16-18-19	Archive				
19	-2				0		
		T25-SB-16-19-20	Archive			Native Contact 19.0-20.0 ft: Loose, moist to wet, dark gray, POORLY GRADED SAND (SP), 100% fine to medium sand, trace fines.	
20	-3				0		

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Notes: * = compact correction

Sediment Core Log
SC-10

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **36.3**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW): **-36.3**	Attempt No.: **1**
Client: **Port of Seattle**	Drive Length (feet): **14**	Northing: **47.573575** Easting: **122.344581**
Location: **Seattle, Washington**	Recovery Length (feet): **13.4**	Core Collection Date/Time: **12/09/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **6.6**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter: **Vibracore / 4 inches**	Percent Recovery: **96 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0						
	-37	T25-SC-10-211209-00-01	Archive	3.9	0.0-4.0 ft: Soft, saturated, blackish grey, SILT with SAND (ML), 85% fines, 15% fine sand, trace organics (fibers), slight H2S-like odor.	
1				45.5		
	-38	T25-SC-10-211209-01-02	Archive			
2				26.1		
	-39	T25-SC-10-211209-02-03	Archive			
3				1.9		
	-40	T25-SC-10-211209-03-04	Archive		@3.1 ft: 1-inch grey silt lens. @3.4 ft: 1/4-inch grey silt lens.	
4				0.2		
	-41	T25-SC-10-211209-04-05	Archive		4-5.4 ft: Medium dense, moist, dark brownish grey, SANDY SILT (ML), 70% fines, 30% fine sand, trace organics (fibers and wood debris).	
5				0	@4.9 ft: 1.5-inch rounded gravel.	
	-42	T25-SC-10-211209-05-06	Archive		5.4-6.4 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand. Trace multicored sand grains, trace silt.	
6				0		
	-43	T25-SC-10-211209-06-07	Archive		6.4-9.0 ft: Soft, saturated, blackish grey, SILT with SAND (ML), 85% fines, 15% fine sand. Trace organics (fibers) slight H2S-like odor.	
7				0		
	-44	T25-SC-10-211209-07-08	Full Suite			
8				0		
	-45	T25-SC-10-211209-08-09	Full Suite		@8.9 ft: 1-inch blackish grey silt lens.	
9				0		
	-46	T25-SC-10-211209-09-10	Full Suite		9.0-13.0 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand, trace multicored sand grains, trace silt.	
10				6.7		
	-47	T25-SC-10-211209-10-11	Archive		@9.2-9.8 ft: Alternating sand and sandy silt lenses. @9.4-10.1 ft: Frequent wood debris, shreds and fragments up to 2-inches. @10.4 ft: 2-inch grey silt clast.	
11				0		
	-48	T25-SC-10-211209-11-12	Archive			
12				0	@11.8 ft: Wood fragments.	
	-49	T25-SC-10-211209-12-13	Archive		End of core @13 ft.	
13				0		

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-11

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **39.4**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-39.4**	Attempt No.: **1**
Client: **Port of Seattle**	Drive Length (feet): **14**	Northing: **47.57367** Easting: **122.344111**
Location: **Seattle, Washington**	Recovery Length (feet): **13.6**	Core Collection Date/Time: **12/13/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **8.1**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **97 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0						
	-40	T25-SC-11-211213-00-01	Archive	1.6	0.0-4.0 ft: Soft, saturated, blackish grey, SILT with SAND (ML), 85% fines, 15% fine sand, organics (fibers), slight H2S-like odor.	
1				52.3		
	-41	T25-SC-11-211213-01-02	Archive		@1.6, 3.5, 3.9 ft: 1-inch silt lens.	
2				23.7		
	-42	T25-SC-11-211213-02-03	Archive			
3				3.1		
	-43	T25-SC-11-211213-03-04	Archive		@3 ft: 1/2-inch sand lens with shell hash.	
4				0.6		
	-44	T25-SC-11-211213-04-05	Archive		4-6 ft: Soft to medium dense, moist, dark grey, SANDY SILT (ML), 70% fines, 30% fine sand, trace organics (fibers) trace wood debris.	
5				0		
	-45	T25-SC-11-211213-05-06	Full Suite			
6				0		
	-46	T25-SC-11-211213-06-07	Full Suite		6-8.8 ft: Medium dense, moist, dark brownish grey, SILTY SAND (SM), 30% fines, 70% fine to medium sand, consistent 1/8-inch alternating sand and silty sand lenses with wood debris.	
7				0.3		
	-47	T25-SC-11-211213-07-08	Full Suite			
8				0		
	-48	T25-SC-11-211213-08-09	Archive			
9				0	8.8-13 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand, trace multicolored grains, trace silt, trace shell hash. @9.0, 9.4, 12.4 ft: 1/2-inch dark grey silt clast.	
	-49	T25-SC-11-211213-09-10	Archive			
10				0	@9.3, 10.4 ft: Wood debris (shreds up to 1.5-inch). @9.9 ft: 1/2-inch silty sand lens.	
	-50	T25-SC-11-211213-10-11	Archive			
11				0		
	-51	T25-SC-11-211213-11-12	Archive			
12				0		
	-52	T25-SC-11-211213-12-13	Archive		End of core @13 ft.	
13				0		

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-12

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **34.7**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-34.7**	Attempt No.: **2**
Client: **Port of Seattle**	Drive Length (feet): **14**	Northing: **47.57369** Easting: **122.343719**
Location: **Seattle, Washington**	Recovery Length (feet): **13.5**	Core Collection Date/Time: **12/15/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **11.3**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **96 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	-35	T25-SC-12-211215-00-01	Archive	0	0.0-3.5 ft: Soft, saturated, blackish grey, SILT with SAND (ML), 85% fines, 15% fine sand, organics (fibers), trace shell hash, slight H2S-like odor.	
1	-36	T25-SC-12-211215-01-02	Archive	0		
2	-37	T25-SC-12-211215-02-03	Archive	36.8		
3	-38	T25-SC-12-211215-03-04	Archive	0.6		
4	-39	T25-SC-12-211215-04-05	Archive	2.2	3.5-8.4 ft: Medium dense, moist, blackish grey to dark grey, SANDY SILT (ML), 60% fines, 40% fine sand, trace shell hash, slight H2S-like odor. @4.0, 4.8, 6 ft: 1-inch blackish grey silt lens. @4.5, 4.9 ft: 1-inch grey silt lens.	
5	-40	T25-SC-12-211215-05-6.4	Archive	3.5		
6	-41			2.6		
7	-42	T25-SC-12-211215-6.4-7.4	Full Suite	0.5	@6.6 ft: Grades to dense, more silt content. @6.6, 7.1, 8.2 ft: 2-inch grey silt lenses. @7.0 ft: 1/2-inch shell hash lens.	
8	-43	T25-SC-12-211215-7.4-8.4	Full Suite	0	@7.7-7.9 ft: Blackish grey silt lens.	
9	-44	T25-SC-12-211215-8.4-9.4	Full Suite	0	8.4 -13.0 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand, trace multicored sand grains, trace silt. @8.4-9.0 ft: Wood debris (shreds and fragments up to 1.5-inch), slight H2S-like odor, moderate silt.	
10	-45	T25-SC-12-211215-9.4-10.4	Archive	0		
11	-46	T25-SC-12-211215-10.4-11.4	Archive	0		
12	-47	T25-SC-12-211215-11.4-12.4	Archive Geotech	5.8		
13		T25-SC-12-211215-12.4-13	Archive	16.9	End of core @13 ft.	

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-13

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **39.7**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-39.7**	Attempt No.: **3**
Client: **Port of Seattle**	Drive Length (feet): **14**	Northing: **47.573693** Easting: **122.343366**
Location: **Seattle, Washington**	Recovery Length (feet): **10**	Core Collection Date/Time: **12/15/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **10**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **71 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	-40	T25-SC-13-211215-00-01	Archive	0	0.0-4.4 ft: Soft, saturated, blackish grey, SILT with SAND (ML), 85% fines, 15% fine sand, trace organics (fibers, reeds), trace wood debris, shell hash.	
1	-41	T25-SC-13-211215-01-02	Archive	0.8 79.8	@0.8 ft: Wood fragments and 2-inch sub-angular gravel. @1.5 ft: Peacock sheen florets.	
2	-42	T25-SC-13-211215-02-03	Archive	0	@1.9-4.4 ft: Significant shell hash and fragments. @2.7 ft: 2-inch sub-angular gravels.	
3	-43	T25-SC-13-211215-03-04	Archive	0		
4	-44	T25-SC-13-211215-04-05	Archive	0.3	4.4-7.5 ft: Medium dense, moist, dark brownish grey, SANDY SILT (ML), 60% fines, 40% fine sand, grades coarser with depth, shell hash and fragments.	
5	-45	T25-SC-13-211215-05-06	Archive	0		
6	-46	T25-SC-13-211215-06-6.5	Archive	10.3	@6.0-7.2 ft: Discontinuous matrix of sand and silt clasts and lenses, slight "xylene-like" odor.	
7	-47	T25-SC-13-211215-6.5-7.5	Full Suite	8.6	@6.8-7.1 ft: Sand lens. @7.2-7.4 ft: Blackish grey silt lens. @7.4 ft: 1-inch grey silt lens.	
8	-48	T25-SC-13-211215-7.5-8.5	Full Suite	0	7.5-9.4 ft: Medium dense, moist, dark grey, SILTY SAND (SM), 30% fines, 70% fine sand, trace medium grains. @8, 8.3, 8.8 ft: 1-inch sand lenses. @8.2, 8.6, 9.1 ft: 1-inch sandy silt lenses.	
9	-49	T25-SC-13-211215-8.5-9.4	Full Suite	0	End of core @9.4 ft.	

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-14

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **31.8**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-31.8**	Attempt No.: **1**
Client: **Port of Seattle**	Drive Length (feet): **14**	Northing: **47.573465** Easting: **122.343899**
Location: **Seattle, Washington**	Recovery Length (feet): **12**	Core Collection Date/Time: **12/14/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **8.4**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **86 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	-32	T25-SC-14-211214-00-01	Archive	0	0.0-3.3 ft: Soft, saturated, blackish grey, SILT with SAND (ML), 85% fines, 15% fine sand, trace organics (fibers), trace shell hash, moderate H2S-like odor.	
1	-33	T25-SC-14-211214-01-02	Archive	0		
2	-34	T25-SC-14-211214-02-03	Archive	40.0	@2.3-2.7 ft: Blackish grey silt lens.	
3	-35	T25-SC-14-211214-03-04	Archive	25.7	@3.3-5.4 ft: Trace medium sand, frequent organics and shell hash lens.	
					3.3-9.7 ft: Loose, moist, blackish grey, SILTY SAND (SM), 30% fines, 70% fine sand, grades coarser with depth, organics (sticks, fibers), shell hash, trace H2S-like odor.	
4	-36	T25-SC-14-211214-04-05	Archive	4.0		
5	-37	T25-SC-14-211214-05-06	Archive	2.1	@5, 5.5 ft: 1/2-inch grey silt lens. @5.4 ft: Grades to medium dense, dark brownish grey, increased wood and shell hash content. @5.6 ft: Anthropogenic debris (nail).	
6	-38	T25-SC-14-211214-06-07	Archive	0.9		
7	-39	T25-SC-14-211214-07-08	Archive	0.3	@7.3-8.0 ft: 1/4-inch alternating sand and silt lenses with wood debris. @7.3 ft: 1/2-inch fine to medium grained sand clast.	
8	-40	T25-SC-14-211214-08-8.7	Archive	0.4		
9	-41	T25-SC-14-211214-8.7-9.7	Full Suite	0	@9.1-9.7 ft: Grey silt lens, no sand, no organics.	
					9.7-11.5 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand, trace multicolored grains, trace silt, moderate H2S-like odor.	
10	-42	T25-SC-14-211214-9.7-10.7	Full Suite	0	@10.2, 11.1 ft: Wood fragments.	
11	-43	T25-SC-14-211214-10.7-11.5	Full Suite	26.6 21.1	@11.2 ft: 1/2-inch grey silty sand lens. End of core @11.5 ft.	

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-15

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **39.4**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-39.4**	Attempt No.: **2**
Client: **Port of Seattle**	Drive Length (feet): **14**	Northing: **47.343952** Easting: **122.2068**
Location: **Seattle, Washington**	Recovery Length (feet): **12.9**	Core Collection Date/Time: **12/10/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **11.9**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **92 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0						
	-40	T25-SC-15-211210-00-01	Archive	0.2	0.0-8.0 ft: Soft, saturated, blackish grey, SANDY SILT (ML), 75% fines, 25% fine sand, trace organics (fibers), slight H2S-like odor. @0.4, 1.0 ft: 1-inch sub-rounded gravel.	
1				0.8		
	-41	T25-SC-15-211210-01-02	Archive			
2				68.9		
	-42	T25-SC-15-211210-02-03	Archive			
3				22.4		
	-43	T25-SC-15-211210-03-04	Archive			
4				8.0		
	-44	T25-SC-15-211210-04-05	Archive		@4.1 ft: Peacock sheen florete, slight hydrocarbon-like odor.	
5				2.7		
	-45	T25-SC-15-211210-05-06	Full Suite		@5.5, 6.4 ft: 1/4-inch wood fragment lens. @5.7 ft: 1/2-inch grey silt lens.	
6				4.0	@6.0 ft: Grades coarser, medium dense, moist, dark brownish grey.	
	-46	T25-SC-15-211210-06-07	Full Suite		@6.4, 6.7, 7.9 ft: 1/8-inch poorly graded sand lenses.	
7				1.0		
	-47	T25-SC-15-211210-07-08	Full Suite		@7.4 ft: 1-inch wood debris lens (vesicled wood fragments). @7.6-7.8 ft: Grey silt lens. @7.9-8.1 ft: Void (closed and logged).	
8				0	8-12.2 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand, trace multicolored grains, grades slightly coarser with depth, trace silt.	
	-48	T25-SC-15-211210-08-09	Archive			
9				0	@8.6, 9.9 ft: 1-inch sandy silt lens. @8.8 ft: Wood fragments. @9.2, 9.5, 9.9, 10.9 ft: 1 to 2-inch silt clasts. @8.5-9.0 ft: Interbedded sand and silty sand lenses.	
	-49	T25-SC-15-211210-09-10	Archive			
10				0		
	-50	T25-SC-15-211210-10-11	Archive			
11				0		
	-51	T25-SC-15-211210-11-12.2	Archive			
12				0	End of core at @12.2 ft.	

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-16

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **36.1**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-36.1**	Attempt No.: **1**
Client: **Port of Seattle**	Drive Length (feet): **14**	Northing: **47.573195** Easting: **122.344259**
Location: **Seattle, Washington**	Recovery Length (feet): **11.9**	Core Collection Date/Time: **12/10/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **7**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **85 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0		T25-SC-16-211210-00-01	Archive	0.1	0.0-4.0 ft: Soft, saturated, blackish grey, SILT with SAND (ML), 85% fines, 15% fine sand, trace organics (fibers), slight H2S-like odor.	
1	-37	T25-SC-16-211210-01-02	Archive	24.7		
2	-38	T25-SC-16-211210-02-03	Archive	160.9		
3	-39	T25-SC-16-211210-03-04	Archive	9.8	@3.1 ft: 1-inch grey silt lens.	
4	-40	T25-SC-16-211210-04-05	Archive	3.8	4.0-9.3 ft: Medium dense, moist, dark brownish grey, SANDY SILT (ML), 65% fines, 35% fine sand, trace wood debris (shreds, sticks).	
5	-41	T25-SC-16-211210-05-06	Archive	0.2	@5.1-5.3 ft: Grey silt lens. @5.3-5.6 ft: Dense fine-grained sand lens.	
6	-42	T25-SC-16-211210-06-7.3	Archive	0.0	@5.9 ft: 1-inch grey silt lens.	
7	-43	T25-SC-16-211210-7.3-8.3	Full Suite	0.0		
8	-44	T25-SC-16-211210-8.3-9.3	Full Suite	0		
9	-45	T25-SC-16-211210-9.3-10.3	Full Suite	0	@8.8 ft: 1/4-inch organics lens (roots, fibers).	
10	-46	T25-SC-16-211210-10.3-11.3	Archive	0	9.3-11.3 ft: Dense, moist, dark grey, SAND with SILT (SP-SM), 10% fines, 90% fine to medium sand, trace multicolored grains, silt, frequent wood debris (shreds, fragments). @9.3-11 ft: Intermixed silt lenses. @9.8 ft: 2-inch stick. @10 ft: 3-inch wood chunk.	
11	-47			0	@11-11.3 ft: Clean sand, no wood, trace to no silt. End of core @11.3 ft.	

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-17

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **32.46**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-32.5**	Attempt No.: **3**
Client: **Port of Seattle**	Drive Length (feet): **14**	Northing: **47.573167** Easting: **122.344042**
Location: **Seattle, Washington**	Recovery Length (feet): **12.1**	Core Collection Date/Time: **12/14/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **10.24**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **86 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	-33	T25-SC-17-211214-00-01	Archive	0.3	0.0-3.5 ft: Soft, saturated, blackish grey, SILT with SAND (ML), 85% fines, 15% fine sand, grades coarser with depth, organics (fibers), slight H2S-like odor.	
1	-34	T25-SC-17-211214-01-02	Archive	24.3	@1.5 ft: 1-inch blackish silt lens.	
2	-35	T25-SC-17-211214-02-03	Archive	19.6	@2.1, 3.2 ft: 1-inch grey silt lens.	
3	-36	T25-SC-17-211214-03-04	Archive	2.1		
4	-37	T25-SC-17-211214-04-05	Archive	8.1	3.5-8 ft: Loose to medium dense, moist, dark brownish grey, SILTY SAND (SM), 60% fines, 40% fine sand, grades finer with depth, wood debris (shreds, fragments), slight H2S-like odor. @3.6 ft: 2-inch stick. @4.4, 6.3 ft: Grey silt lenses.	
5	-38	T25-SC-17-211214-05-06	Full Suite	0.2		
6	-39	T25-SC-17-211214-06-07	Full Suite	0		
7	-40	T25-SC-17-211214-07-08	Full Suite	0	@6.7 ft: Fish bone fragment.	
8	-41	T25-SC-17-211214-08-09	Archive Geotech	0	8.0-10.5 ft: Soft to medium dense, moist, brownish grey, SILT with SAND (ML), 85% fines, 15% fine sand, trace wood debris.	
9	-42	T25-SC-17-211214-09-10	Archive	0		
10	-43	T25-SC-17-211214-10-10.5	Archive	0		
11	-44	T25-SC-17-211214-10.5-11.6	Archive	27.5 0	10.5-11.6 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand, trace multicolored grains, trace silt, frequent wood debris (shreds, fragments), moderate H2S-like odor. @10.5-10.8 ft: Approximately 70% wood debris (1.5-inch wood chunk @10.5 ft). End of core @11.6 ft.	

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-18

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **35.3**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-35.3**	Attempt No.: **1**
Client: **Port of Seattle**	Drive Length (feet): **14**	Northing: **47.57299** Easting: **122.344795**
Location: **Seattle, Washington**	Recovery Length (feet): **13.1**	Core Collection Date/Time: **12/09/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **8.8**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **94 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0						
	-36	T25-SC-18-211209-00-01	Archive	0.1	0.0-8.5 ft: Soft, saturated, blackish grey, SANDY SILT (ML), 70% fines, 30% fine sand, organics (fibers), slight H2S-like odor. 0.4 ft: 1-inch sub-angular gravel.	
1				19.5		
	-37	T25-SC-18-211209-01-02	Archive			
2				16.7		
	-38	T25-SC-18-211209-02-03	Archive			
3				0.6		
	-39	T25-SC-18-211209-03-04	Archive			
4				4.1	@3.7 ft: Grades to medium dense, moist, dark brownish grey, with wood debris (fragments up to 1-inch). @3.8 ft: 1/2-inch grey silt lens.	
	-40	T25-SC-18-211209-04-05	Archive			
5				0.9		
	-41	T25-SC-18-211209-05-06	Archive		@5.3 ft: 1/4-inch blackish grey silt lens with slight hydrocarbon-like odor.	
6				0.5		
	-42	T25-SC-18-211209-06-07	Full Suite		@6.0-6.25 ft: Grey silt lens. @6.3 ft: 1-inch blackish grey silt lens with wood fragments.	
7				0.2	@6.9-7.1 ft: Blackish grey silt lens.	
	-43	T25-SC-18-211209-07-8.5	Full Suite		@7.7-8.5 ft: Olive grey silt lens.	
8				0.9		
	-44	T25-SC-18-211209-8.5-9.5	Full Suite	1.8	8.5-12.4 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand, trace multicolored grains, trace silt, trace organics (fibers). @9-9.2 ft: Void (closed and logged). @9.1, 11.9, 12.3 ft: 1/2-inch olive grey silt clasts.	
9						
	-45	T25-SC-18-211209-9.5-10.5	Archive	0.1		
10						
	-46	T25-SC-18-211209-10.5-11.5	Archive	0		
11						
	-47	T25-SC-18-211209-11.5-12.4	Archive	0	@11.8 ft: 1-inch stick. End of core @12.4 ft.	
12						

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-19

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **32.4**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-32.4**	Attempt No.: **1**
Client: **Port of Seattle**	Drive Length (feet): **14**	Northing: **47.54291** Easting: **122.344401**
Location: **Seattle, Washington**	Recovery Length (feet): **12**	Core Collection Date/Time: **12/09/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **7.8**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **86 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0						
	-33	T25-SC-19-211209-00-01	Archive	2.5	0.0-3.0 ft: Soft, saturated, blackish grey, SANDY SILT (ML), 75% fines, 25% fine sand, organics (fibers), slight H2S-like odor.	
1				50.4		
	-34	T25-SC-19-211209-01-02	Archive			
2				63.5		
	-35	T25-SC-19-211209-02-03	Archive		@2.7 ft: Wood debris (1/2-inch fragment). @2.8 ft: 1/4-inch olive grey silt lens.	
3				5.1		
	-36	T25-SC-19-211209-03-4.3	Archive		3.0-4.3 ft: Medium dense, moist, dark brownish grey, SILTY SAND (SM), 65% fines, 35% fine sand, trace medium grains, wood debris (fragments), slight H2S-like odor.	
4				15.1		
	-37	T25-SC-19-211209-4.3-5.3	Archive		4.3-11.1 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand, trace multicolored grains, trace silt.	
5				0.1	@4.6, 5.0, 5.3 ft: 1-inch olive grey silt lens.	
	-38	T25-SC-19-211209-5.3-06	Archive			
6				0		
	-39	T25-SC-19-211209-06-07	Full Suite		@6.5, 7.5 ft: 1/2-inch olive grey silt clast.	
7				0		
	-40	T25-SC-19-211209-07-08	Full Suite			
8				0	@7.7-7.9 ft: Void (closed and logged).	
	-41	T25-SC-19-211209-08-09	Full Suite		@8.6, 9 ft: 2.5-inch wood chunk.	
9				0		
	-42	T25-SC-19-211209-09-10	Archive		@9.2, 9.8 ft: 1/8-inch sandy silt lens.	
10				0		
	-43	T25-SC-19-211209-10-11.1	Archive		End of core @11.1 ft.	
11				0		

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-20

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **25.9**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-25.9**	Attempt No.: **1**
Client: **Port of Seattle**	Drive Length (feet): **10.4**	Northing: **47.572872** Easting: **122.344092**
Location: **Seattle, Washington**	Recovery Length (feet): **8.1**	Core Collection Date/Time: **12/14/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **10.8**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **78 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	-26	T25-SC-20-211214-00-01	Archive	0.3	0.0-2.4 ft: Soft, saturated, blackish grey, SANDY SILT (ML), 70% fines, 30% fine sand, organics (fibers, sticks), slight H2S-like odor.	
1	-27	T25-SC-20-211214-01-02	Archive	63.5	@0.8 ft: 1/2-inch silt lens.	
2	-28	T25-SC-20-211214-02-03	Archive	44.0	@2.3 ft: 1-inch wood debris and shell hash lens.	
3	-29	T25-SC-20-211214-03-04	Archive	15.9	2.4-7.5 ft: Medium dense, moist, dark brownish grey, SILTY SAND (SM), 65% fines, 35% fine sand, trace medium grains, significant wood debris, slight H2S-like odor.	
4	-30	T25-SC-20-211214-04-05	Archive	11.4	@4.7-4.9 ft: Sand lens with approximately 60% wood debris.	
5	-31	T25-SC-20-211214-05-5.5	Archive	34.6	@5.0 ft: 2-inch wood chunk. @5.3 ft: 1/2-inch grey silt lens.	
6	-32	T25-SC-20-211214-5.5-6.5	Full Suite	2.8	@5.8 ft: 1-inch organic debris and shell hash lens. @6.4 ft: Large shell fragments with wood debris.	
7	-33	T25-SC-20-211214-6.5-7.5	Full Suite	1.0 0.8	@7.4 ft: 3-inch wood chunk with fine sub-rounded gravels. End of core @7.5 ft.	

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-21

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **31.7**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-31.7**	Attempt No.: **2**
Client: **Port of Seattle**	Drive Length (feet): **14**	Northing: **47.572651** Easting: **122.344911**
Location: **Seattle, Washington**	Recovery Length (feet): **12.7**	Core Collection Date/Time: **12/09/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **10.3**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **91 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	-32	T25-SC-21-211209-00-01	Archive	15.3	0.0-3.0 ft: Soft, saturated, blackish grey, SANDY SILT (ML), 70% fines, 30% fine sand, organics (fibers), slight H2S-like odor. @0.5, 1.0, 1.6, 2.0, 2.5 ft: Wood debris (sticks and fragments up to 1.5-inches).	
1	-33	T25-SC-21-211209-01-02	Archive	170.7		
2	-34	T25-SC-21-211209-02-03	Archive	248.9	@2.0 ft: 1/2-inch shell hash lens. @2.4-2.7 ft: Grey silt lens. @2.7 ft: 1-inch wood debris lens.	
3	-35	T25-SC-21-211209-03-04	Archive	68.3	3.0-11.8 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand, trace multicolored grains, trace silt, trace organics (fibers). @3.0-4.0 ft: 1/4-inch alternating sand and silt lenses.	
4	-36	T25-SC-21-211209-04-05	Archive	18.7	@3.8-4.0 ft: Void (closed and logged). @3.9, 4.3, 4.5, 5.3 ft: 1/2-inch brown silt clasts. @4.2, 4.7, 5.6, 6.5 ft: 1/4-inch brown silt clasts.	
5	-37	T25-SC-21-211209-05-06	Full Suite	24.4		
6	-38	T25-SC-21-211209-06-07	Full Suite	0.3		
7	-39	T25-SC-21-211209-07-08	Full Suite	0	@7.3 ft: 1/2-inch silty sand lens.	
8	-40	T25-SC-21-211209-08-09	Archive	0		
9	-41	T25-SC-21-211209-09-10	Archive	0		
10	-42	T25-SC-21-211209-10-11	Archive	0		
11	-43	T25-SC-21-211209-11-11.8	Archive	0	@11.1-11.5 ft: Sandy silt lens. End of core @11.8 ft.	

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-22

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **15.3**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-15.3**	Attempt No.: **2**
Client: **Port of Seattle**	Drive Length (feet): **7.7**	Northing: **47.572598** Easting: **122.344133**
Location: **Seattle, Washington**	Recovery Length (feet): **5.9**	Core Collection Date/Time: **12/10/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **7.4**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **77 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0						
	-16	T25-SC-22-211210-00-01	Archive	0	0.0-1.0 ft: Soft, saturated, blackish grey, SANDY SILT (ML), 70% fines, 30% fine sand, shell hash, slight H2S-like odor.	
1				0.9		
	-17	T25-SC-22-211210-01-2.5	Archive		1.0-2.5 ft: Medium dense, saturated, blackish grey, SILTY SAND (SM), 70% fines, 30% fine to medium sand, organics (fibers), wood fragments, frequent shell hash, moderate H2S-like odor.	
2				1.3		
	-18	T25-SC-22-211210-2.5-3.3	Archive		2.5-5.3 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to coarse sand, trace silt, grades coarser with depth, wood fragments.	
3				86.4		
	-19	T25-SC-22-211210-3.3-4.3	Full Suite	259.2	@3.3 ft: 2-inch wood fragment.	
					@3.6 ft: Sheen, no hydrocarbon-like odor present.	
4				276.2		
	-20	T25-SC-22-211210-4.3-5.3	Full Suite		@4.5-5.3 ft: Significant wood debris (approximately 70%-80% fragments, chunks, shreds), strong H2S-like odor and increase in silt content.	
5				209.9	End of core @5.3 ft.	

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-23

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **25.7**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-25.7**	Attempt No.: **1**
Client: **Port of Seattle**	Drive Length (feet): **13.6**	Northing: **47.572338** Easting: **122.34508**
Location: **Seattle, Washington**	Recovery Length (feet): **11.7**	Core Collection Date/Time: **12/08/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **7.8**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **86 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0	-26	T25-SC-23-211208-00-01	Archive	0.2	0.0-5.0 ft: Soft, saturated, blackish grey, SILT with SAND (ML), 85% fines, 15% fine sand. Organics (fibers), moderate H2S-like odor.	
1	-27	T25-SC-23-211208-01-02	Archive Geotech	13.3		
2	-28	T25-SC-23-211208-02-03	Archive	80.4		
3	-29	T25-SC-23-211208-03-04	Archive	31.5		
4	-30	T25-SC-23-211208-04-05 T25-SC-1023-211208-04-05	Full Suite	21.5	@3.7 ft: Peacock sheen floret. @4.8 ft: 1/4-inch dark grey clayey silt lens.	
5	-31	T25-SC-23-211208-05-06	Full Suite	1.5	5.0-8.9 ft: Medium dense, moist, dark brownish grey, SILTY SAND (SM), 60% fines, 40% fine sand, trace medium grains, wood debris (shreds, fragments), slight H2S-like odor.	
6	-32	T25-SC-23-211208-06-07	Full Suite	0.2	@6.5 ft: 1/4-inch dark grey silt lens.	
7	-33	T25-SC-23-211208-07-08	Archive	0.2	@7.2-7.4 ft: Dark grey silt lens with wood debris (fragments up to 3-inches). @7.5 ft: 1/8-inch dark grey sand lens. @7.6-7.9 ft: Dark grey silt lens.	
8	-34	T25-SC-23-211208-08-09	Archive	0.1		
9	-35	T25-SC-23-211208-09-10	Archive	1.8	8.9-11.2 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand, trace multicolored grains, moderate silt, grades coarser with depth. @9.1, 9.7, 11.1 ft: Wood fragments.	
10	-36	T25-SC-23-211208-10-11.2	Archive	0	@9.9, 10.1 ft: 1-inch grey silt clasts. @10.2 ft: Grades to no fines.	
11				0	End of core @11.2 ft.	

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Notes: Full Suite: Grain size, Dioxins/furans, Metals, PAHs, PCB Aroclors, SVOCs, TS, TOC
H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-24

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **15.1**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-15.1**	Attempt No.: **2**
Client: **Port of Seattle**	Drive Length (feet): **14**	Northing: **45.572282** Easting: **122.344702**
Location: **Seattle, Washington**	Recovery Length (feet): **13**	Core Collection Date/Time: **12/09/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **12.2**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **93 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0		T25-SC-24-211209-00-01	Archive	0	0.0-1.8 ft: Soft, moist, blackish grey, SANDY SILT (ML), 70% fines, 30% fine sand, trace organics (fibers).	
1	-16	T25-SC-24-211209-01-02	Archive	0.5	@1.0 ft: Wood debris. @1.5 ft: 1/2-inch dark grey silt clast.	
2	-17	T25-SC-24-211209-02-03	Archive	0.1	1.8-12.3 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand, trace multicolored grains, trace silt. @1.8 ft: 1-inch brown silt clast with wood debris.	
3	-18	T25-SC-24-211209-03-04 T25-SC-1024-211209-03-04	Full Suite	0	@1.9 ft: 1-inch olive brown silt clast.	
4	-19	T25-SC-24-211209-04-05	Full Suite	0		
5	-20	T25-SC-24-211209-05-06	Full Suite	0	@5.0-6.0 ft: Slight H2S-like odor.	
6	-21	T25-SC-24-211209-06-07	Archive	1.4		
7	-22	T25-SC-24-211209-07-08	Archive	0	@7.4, 10, 11, 11.8 ft: Wood debris (sticks and shreds up to 2-inches).	
8	-23	T25-SC-24-211209-08-09	Archive	0		
9	-24	T25-SC-24-211209-09-10	Archive	0		
10	-25	T25-SC-24-211209-10-11	Archive	0		
11	-26	T25-SC-24-211209-11-12.3	Archive	0	@10.7 ft: 1/4-inch silt lens. @11.2 ft: 3-inch wood chunk. @12.1 ft: 1/8-inch silt lens.	
12	-27			0	End of core @12.3 ft.	

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H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-25

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **22.2**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-22.2**	Attempt No.: **3**
Client: **Port of Seattle**	Drive Length (feet): **14**	Northing: **47.572113** Easting: **122.345157**
Location: **Seattle, Washington**	Recovery Length (feet): **12.5**	Core Collection Date/Time: **12/08/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **7.7**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **89 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0		T25-SC-25-211208-00-01	Archive	0	0.0-5.0 ft: Soft, saturated, blackish grey, SANDY SILT (ML), 70% fines, 30% fine sand, organics (fibers), slight hydrocarbon-like odor, slight H2S-like odor.	
1	-23	T25-SC-25-211208-01-02	Archive	0.1	@1.1, 3.4 ft: Wood debris (sticks and shreds).	
2	-24	T25-SC-25-211208-02-03	Archive	30.1	@2.0-3.0 ft: Moderate hydrocarbon-like odor, no visible sheen.	
3	-25	T25-SC-25-211208-03-04	Full Suite	11.1		
4	-26	T25-SC-25-211208-04-05	Full Suite	0.4		
5	-27	T25-SC-25-211208-05-06	Full Suite	0.3	5.0-9.0 ft: Medium dense, moist, dark brownish grey, SILTY SAND (SM), 20% fines, 80% fine sand, trace medium grains, wood debris (shreds and fragments throughout), trace H2S-like odor.	
6	-28	T25-SC-25-211208-06-07	Archive	0.1	@6.5-7.0 ft: Silt lens.	
7	-29	T25-SC-25-211208-07-08	Archive	0	@7.0-7.4 ft: Approximately 15% wood debris in matrix.	
8	-30	T25-SC-25-211208-08-09	Archive	0	@8.5-9.0: Void (closed and logged). @8.8-9.0: Silt lens.	
9	-31	T25-SC-25-211208-09-10	Archive	0	9.0-10.8 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand, trace multicolored grains, trace silt, trace organics (fibers). @9.6 ft: 3-inch wood fragment.	
10	-32	T25-SC-25-211208-10-10.8	Archive	0 0	@9.9 ft: Shell fragment. End of core @10.8 ft.	
	-33					

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H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-26

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **10.1**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-10.1**	Attempt No.: **3**
Client: **Port of Seattle**	Drive Length (feet): **12.3**	Northing: **47.572011** Easting: **122.344839**
Location: **Seattle, Washington**	Recovery Length (feet): **11.4**	Core Collection Date/Time: **12/07/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **7.7**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **93 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0		T25-SC-26-211207-00-01	Archive	0	0.0-2.4 ft: Soft, saturated, blackish grey, SANDY SILT (ML), 70% fines, 30% fine sand, organics (fibers), slight hydrocarbon-like odor. @0.5 ft: Wood debris (fragments).	
1	-11	T25-SC-26-211207-01-02	Full Suite	2.1		
2	-12	T25-SC-26-211207-02-03	Full Suite	0.1	@1.7 ft: 1.5-inch sub-angular gravel.	
3	-13	T25-SC-26-211207-03-04	Full Suite	0	2.4-7.4 ft: Medium dense, moist, dark brownish grey, SILTY SAND (SM), 15% fines, 85% fine to medium sand, approximately 10% wood debris, slight H2S-like odor. @3.3, 4.0, 7.0 ft: 2-inch to 3-inch wood fragments.	
4	-14	T25-SC-26-211207-04-05	Archive	0	@4.5 ft: 3-inch wood chunk.	
5	-15	T25-SC-26-211207-05-06	Archive	0	@4.5-5.0 ft: Approximately 20% wood debris.	
6	-16	T25-SC-26-211207-06-07	Archive	0	@6.6 ft: Anthropogenic material (brick-like fragment).	
7	-17	T25-SC-26-211207-07-08	Archive	0	@7.2 ft: 2.5-inch brown silt clast. @7.3 ft: 1/3-inch shiny black brittle fragment.	
8	-18	T25-SC-26-211207-08-09	Archive	0	7.4-10.8 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand, trace multicolored grains, trace silt.	
9	-19	T25-SC-26-211207-09-10	Archive	0	@9.3 ft: 1/3-inch shell.	
10	-20	T25-SC-26-211207-10-10.8	Archive	0	@9.7 ft: 2-inch wood shred. @10.2 ft: 1-inch brown silt clast. End of core @10.8 ft.	

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H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-28

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **7.4**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-7.4**	Attempt No.: **6**
Client: **Port of Seattle**	Drive Length (feet): **13.8**	Northing: **47.571883** Easting: **122.344857**
Location: **Seattle, Washington**	Recovery Length (feet): **11.4**	Core Collection Date/Time: **12/13/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **11.2**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **83 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0						
	-8	T25-SC-28-211213-00-01	Archive	0	0.0-2.0 ft: Soft, moist, blackish grey, SANDY SILT (ML), 70% fines, 30% fine sand, grades coarser with depth, trace wood fragments, shell hash, organics (fibers), slight H2S-like odor. @0.5 ft: 1/2-inch fine to medium grained sand lens.	
1				0.6		
	-9	T25-SC-28-211213-01-02	Archive		@1.2 ft: 1/2-inch silt lens.	
2				0		
	-10	T25-SC-28-211213-02-03	Full Suite		2.0-10.6 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand, trace coarse grains, trace silt. @2.3 ft: 1-inch silt lens. @2.4 ft: 3-inch wood chunk.	
3				0		
	-11	T25-SC-28-211213-03-04	Full Suite		@3.4 ft: Anthropogenic debris (glass fragments). @3.5, 4.3 ft: Fine sub-rounded gravels.	
4				0		
	-12	T25-SC-28-211213-04-05 T25-SC-1028-211213-04-05	Full Suite			
5				0		
	-13	T25-SC-28-211213-05-06	Archive			
6				0	@5.7 ft: 1.5-inch brownish grey silt clast.	
	-14	T25-SC-28-211213-06-07	Archive			
7				0		
	-15	T25-SC-28-211213-07-08	Archive			
8				0		
	-16	T25-SC-28-211213-08-09	Archive			
9				41.0		
	-17	T25-SC-28-211213-09-10	Archive		@9.4, 10.3 ft: 1/2-inch brownish grey silt clast.	
10				67.3		
		T25-SC-28-211213-10-10.6	Archive	50.1	End of core @10.6 ft.	
	-18					

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H2S: Hydrogen Sulfide
NAD: North American Datum

Sediment Core Log
SC-29

Project: **Port of Seattle T-25S Design Characterization**	Water Depth (feet): **2.5**	Logged By: **S. Strehl**
Project #: **160003-03.03**	Mudline Elevation (feet MLLW):**-2.5**	Attempt No.: **1**
Client: **Port of Seattle**	Drive Length (feet): **14**	Northing: **47.57281** Easting: **122.344648**
Location: **Seattle, Washington**	Recovery Length (feet): **11.6**	Core Collection Date/Time: **12/07/21**
Contractor: **Marine Sampling Services (MSS)**	Predicted Tidal Elevation (feet MLLW): **8.7**	Horizontal Datum: **World Geodetic System 1984**
Method/Core Diameter:**Vibracore / 4 inches**	Percent Recovery: **83 %**	Vertical Datum: **Mean Lower Low Water (MLLW), feet**

In-situ Depth (feet)	Elevation (feet MLLW)	Sample ID	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in in-situ depths. Classification Scheme: USCS	In-situ Interval
0						
	-3	T25-SC-29-211207-00-01	Archive	0	0.0-2.0 ft: Soft, saturated, blackish grey, SANDY SILT (ML), 70% fines, 20% fine sand, 10% fine to coarse angular to sub-angular gravel, wood debris (shreds, chunks up to 2.5-inches). @0.6 ft: Anthropogenic debris (fishing line with metal weight).	
1				0		
	-4	T25-SC-29-211207-01-02	Archive			
2				0		
	-5	T25-SC-29-211207-02-03	Full Suite		2.0-3.3 ft: Medium dense, moist, dark brownish grey, SILTY SAND (SM), 15% fines, 85% fine to medium sand, approximately 10% to 20% wood debris (shreds, chunks), slight H2S-like odor.	
3				0		
	-6	T25-SC-29-211207-03-04	Full Suite		3.3-10.9 ft: Dense, moist, dark grey, SAND (SP), 5% fines, 95% fine to medium sand, trace multicolored grains, trace silt.	
4				0	@3.9-4.2 ft: Brown silt clast with wood debris.	
	-7	T25-SC-29-211207-04-05	Full Suite		@4.7 ft: 1/4-inch brick-like fragment.	
5				0	@5.0, 5.2, 6.7, 7.0 ft: 2.5-inch brown silt clasts with trace wood debris.	
	-8	T25-SC-29-211207-05-06	Archive			
6				0		
	-9	T25-SC-29-211207-06-07	Archive			
7				0		
	-10	T25-SC-29-211207-07-08	Archive		@7.5, 8.2 ft: 1/4-inch silt clast with trace wood debris.	
8				0		
	-11	T25-SC-29-211207-08-09	Archive			
9				0		
	-12	T25-SC-29-211207-09-10	Archive			
10				0		
	-13	T25-SC-29-211207-10-10.9	Archive	0	End of core @10.9 ft.	

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H2S: Hydrogen Sulfide
NAD: North American Datum

Appendix A-2
Data Quality-2 Data

Table A-2a
T-25S Historical Groundwater Data

Analyte	Units	Herrera (2010)			Sweet-Edwards (1990)					
		B95-GW	B96-GW	B97-GW	MW1-1089	MW2-1089	MW3-1089	MW4-1089	MW5-1089	MW6-1089
(3+4)-Methylphenol (m,p-Cresol)	ug/L	ND	ND	ND	--	--	--	--	--	--
(cis) 1,2-Dichloroethene	ug/L	ND	**0.91**	**0.78**	--	--	--	--	--	--
(cis) 1,3-Dichloropropene	ug/L	ND	ND	ND	--	--	--	--	--	--
(trans) 1,2-Dichloroethene	ug/L	ND	ND	ND	--	--	--	--	--	--
(trans) 1,3-Dichloropropene	ug/L	ND	ND	ND	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/L	ND	ND	ND	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/L	ND	ND	ND	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/L	ND	ND	ND	--	--	--	--	--	--
1,1-Dichloroethane	ug/L	ND	ND	**0.69**	--	--	--	--	--	--
1,1-Dichloroethene	ug/L	ND	ND	ND	--	--	--	--	--	--
1,1-Dichloropropene	ug/L	ND	ND	ND	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/L	ND	ND	ND	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/L	ND	ND	ND	--	--	--	--	--	--
1,2-Dibromoethane	ug/L	ND	ND	ND	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
1,2-Dichloroethane	ug/L	ND	ND	ND	--	--	--	--	--	--
1,2-Dichloropropane	ug/L	ND	ND	ND	--	--	--	--	--	--
1,2-Dinitrobenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
1,2-Diphenylhydrazine	ug/L	ND	ND	ND	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
1,3-Dichloropropane	ug/L	ND	ND	ND	--	--	--	--	--	--
1,3-Dinitrobenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
1,4-Dinitrobenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
1-Methylnaphthalene	ug/L	**0.23**	ND	ND	--	--	--	--	--	--
2,2-Dichloropropane	ug/L	ND	ND	ND	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/L	ND	ND	ND	--	--	--	--	--	--

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Table A-2a
T-25S Historical Groundwater Data

Analyte	Units	Herrera (2010)			Sweet-Edwards (1990)					
		B95-GW	B96-GW	B97-GW	MW1-1089	MW2-1089	MW3-1089	MW4-1089	MW5-1089	MW6-1089
2,3,5,6-Tetrachlorophenol	ug/L	ND	ND	ND	--	--	--	--	--	--
2,3-Dichloroaniline	ug/L	ND	ND	ND	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/L	ND	ND	ND	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/L	ND	ND	ND	--	--	--	--	--	--
2,4-Dichlorophenol	ug/L	ND	ND	ND	--	--	--	--	--	--
2,4-Dimethylphenol	ug/L	ND	ND	ND	--	--	--	--	--	--
2,4-Dinitrophenol	ug/L	ND	ND	ND	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/L	ND	ND	ND	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/L	ND	ND	ND	--	--	--	--	--	--
2-Butanone	ug/L	ND	ND	ND	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	ug/L	ND	ND	ND	--	--	--	--	--	--
2-Chloronaphthalene	ug/L	ND	ND	ND	--	--	--	--	--	--
2-Chlorophenol	ug/L	ND	ND	ND	--	--	--	--	--	--
2-Chlorotoluene	ug/L	ND	ND	ND	--	--	--	--	--	--
2-Hexanone	ug/L	ND	ND	ND	--	--	--	--	--	--
2-Methylnaphthalene	ug/L	**0.2**	ND	ND	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	ug/L	ND	ND	ND	--	--	--	--	--	--
2-Nitroaniline	ug/L	ND	ND	ND	--	--	--	--	--	--
2-Nitrophenol	ug/L	ND	ND	ND	--	--	--	--	--	--
3,3′-Dichlorobenzidine	ug/L	ND	ND	ND	--	--	--	--	--	--
3-Nitroaniline	ug/L	ND	ND	ND	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/L	ND	ND	ND	--	--	--	--	--	--
4-Bromophenyl-phenylether	ug/L	ND	ND	ND	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/L	ND	ND	ND	--	--	--	--	--	--
4-Chloroaniline	ug/L	ND	ND	ND	--	--	--	--	--	--
4-Chlorophenyl-phenylether	ug/L	ND	ND	ND	--	--	--	--	--	--
4-Chlorotoluene	ug/L	ND	ND	ND	--	--	--	--	--	--
4-Nitroaniline	ug/L	ND	ND	ND	--	--	--	--	--	--
4-Nitrophenol	ug/L	ND	ND	ND	--	--	--	--	--	--
Acenaphthene	ug/L	**6.1**	**0.11**	ND	--	--	--	--	--	--
Acenaphthylene	ug/L	ND	ND	ND	--	--	--	--	--	--
Acetone	ug/L	ND	ND	ND	--	--	--	--	--	--

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Table A-2a
T-25S Historical Groundwater Data

Analyte	Units	Herrera (2010)			Sweet-Edwards (1990)					
		B95-GW	B96-GW	B97-GW	MW1-1089	MW2-1089	MW3-1089	MW4-1089	MW5-1089	MW6-1089
Aniline	ug/L	ND	ND	ND	--	--	--	--	--	--
Anthracene	ug/L	ND	ND	ND	--	--	--	--	--	--
Aroclor 1016	ug/L	ND	ND	ND	--	--	--	--	--	--
Aroclor 1221	ug/L	ND	ND	ND	--	--	--	--	--	--
Aroclor 1232	ug/L	ND	ND	ND	--	--	--	--	--	--
Aroclor 1242	ug/L	ND	ND	ND	--	--	--	--	--	--
Aroclor 1248	ug/L	ND	ND	ND	--	--	--	--	--	--
Aroclor 1254	ug/L	ND	ND	ND	--	--	--	--	--	--
Aroclor 1260	ug/L	ND	ND	ND	--	--	--	--	--	--
Arsenic	ug/L	ND	ND	ND	--	--	--	--	--	--
Barium	ug/L	ND	**40**	ND	--	--	--	--	--	--
Benzene	ng/g	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene	ug/L	ND	ND	ND	--	--	--	--	--	--
Benzidine	ug/L	ND	ND	ND	--	--	--	--	--	--
Benzo[a]anthracene	ug/L	**0.012**	**0.061**	ND	--	--	--	--	--	--
Benzo[a]pyrene	ug/L	ND	**0.026**	ND	--	--	--	--	--	--
Benzo[b]fluoranthene	ug/L	ND	**0.035**	ND	--	--	--	--	--	--
Benzo[g,h,i]perylene	ug/L	ND	ND	ND	--	--	--	--	--	--
Benzo[k]fluoranthene	ug/L	ND	**0.027**	ND	--	--	--	--	--	--
Benzyl alcohol	ug/L	ND	ND	ND	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	ug/L	ND	ND	ND	--	--	--	--	--	--
bis(2-Chloroethyl)ether	ug/L	ND	ND	ND	--	--	--	--	--	--
bis(2-Chloroisopropyl)ether	ug/L	ND	ND	ND	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	ug/L	ND	ND	ND	--	--	--	--	--	--
bis-2-Ethylhexyladipate	ug/L	ND	ND	ND	--	--	--	--	--	--
Bromobenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
Bromochloromethane	ug/L	ND	ND	ND	--	--	--	--	--	--
Bromodichloromethane	ug/L	ND	ND	ND	--	--	--	--	--	--
Bromoform	ug/L	ND	ND	ND	--	--	--	--	--	--
Bromomethane	ug/L	ND	ND	ND	--	--	--	--	--	--
Butylbenzylphthalate	ug/L	ND	ND	ND	--	--	--	--	--	--
Cadmium	ug/L	ND	ND	ND	--	--	--	--	--	--

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Table A-2a
T-25S Historical Groundwater Data

Analyte	Units	Herrera (2010)			Sweet-Edwards (1990)					
		B95-GW	B96-GW	B97-GW	MW1-1089	MW2-1089	MW3-1089	MW4-1089	MW5-1089	MW6-1089
Carbazole	ug/L	ND	ND	ND	--	--	--	--	--	--
Carbon Disulfide	ug/L	ND	ND	ND	--	--	--	--	--	--
Carbon Tetrachloride	ug/L	ND	ND	ND	--	--	--	--	--	--
Chlorobenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
Chloroethane	ug/L	ND	ND	ND	--	--	--	--	--	--
Chloroform	ug/L	ND	ND	ND	--	--	--	--	--	--
Chloromethane	ug/L	ND	ND	ND	--	--	--	--	--	--
Chromium	ug/L	ND	ND	ND	--	--	--	--	--	--
Chrysene	ug/L	ND	**0.06**	ND	--	--	--	--	--	--
Dibenz[a,h]anthracene	ug/L	ND	ND	ND	--	--	--	--	--	--
Dibenzofuran	ug/L	ND	ND	ND	--	--	--	--	--	--
Dibromochloromethane	ug/L	ND	ND	ND	--	--	--	--	--	--
Dibromomethane	ug/L	ND	ND	ND	--	--	--	--	--	--
Dichlorodifluoromethane	ug/L	ND	ND	ND	--	--	--	--	--	--
Diesel Range Organics	mg/L	ND	ND	ND	--	--	--	--	--	--
Diethylphthalate	ug/L	ND	ND	ND	--	--	--	--	--	--
Dimethylphthalate	ug/L	ND	ND	ND	--	--	--	--	--	--
Di-n-butylphthalate	ug/L	ND	ND	ND	--	--	--	--	--	--
Di-n-octylphthalate	ug/L	ND	ND	ND	--	--	--	--	--	--
Ethylbenzene	ng/g	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	mg/L	ND	ND	ND	--	--	--	--	--	--
Fluoranthene	ug/L	**0.25**	**0.35**	ND	--	--	--	--	--	--
Fluorene	ug/L	ND	ND	ND	--	--	--	--	--	--
Gasoline	mg/L	ND	ND	ND	--	--	--	--	--	--
Hexachlorobenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
Hexachlorobutadiene	ug/L	ND	ND	ND	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/L	ND	ND	ND	--	--	--	--	--	--
Hexachloroethane	ug/L	ND	ND	ND	--	--	--	--	--	--
Indeno[1,2,3-cd]pyrene	ug/L	ND	ND	ND	--	--	--	--	--	--
Iodomethane	ug/L	ND	ND	ND	--	--	--	--	--	--
Isophorone	ug/L	ND	ND	ND	--	--	--	--	--	--
Isopropylbenzene	ug/L	ND	ND	ND	--	--	--	--	--	--

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Table A-2a
T-25S Historical Groundwater Data

Analyte	Units	Herrera (2010)			Sweet-Edwards (1990)					
		B95-GW	B96-GW	B97-GW	MW1-1089	MW2-1089	MW3-1089	MW4-1089	MW5-1089	MW6-1089
Lead	ug/L	ND	ND	ND	--	--	--	--	--	--
Lube oil Range Organics	mg/L	ND	ND	ND	--	--	--	--	--	--
m,p Xylene	ng/g	--	--	--	**1.3**	**1.1**	<1.0	<1.0	<1.0	<1.0
m,p-Xylene	ug/L	ND	ND	ND	--	--	--	--	--	--
Mercury	ug/L	ND	ND	ND	--	--	--	--	--	--
Methyl Isobutyl Ketone	ug/L	ND	ND	ND	--	--	--	--	--	--
Methyl t-Butyl Ether	ug/L	ND	ND	ND	--	--	--	--	--	--
Methylene Chloride	ug/L	ND	ND	ND	--	--	--	--	--	--
Naphthalene	ug/L	**0.25**	ND	ND	--	--	--	--	--	--
n-Butylbenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
Nitrobenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
n-Nitrosodimethylamine	ug/L	ND	ND	ND	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/L	ND	ND	ND	--	--	--	--	--	--
n-Nitrosodiphenylamine	ug/L	ND	ND	ND	--	--	--	--	--	--
n-Propylbenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
o Xylene	ng/g	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	ug/L	ND	ND	ND	--	--	--	--	--	--
Pentachlorophenol	ug/L	ND	ND	ND	--	--	--	--	--	--
Phenanthrene	ug/L	ND	ND	ND	--	--	--	--	--	--
Phenol	ug/L	ND	ND	ND	--	--	--	--	--	--
p-Isopropyltoluene	ug/L	ND	ND	ND	--	--	--	--	--	--
Pyrene	ug/L	**0.13**	**0.26**	ND	--	--	--	--	--	--
Pyridine	ug/L	ND	ND	ND	--	--	--	--	--	--
sec-Butylbenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
Selenium	ug/L	ND	ND	ND	--	--	--	--	--	--
Silver	ug/L	ND	ND	ND	--	--	--	--	--	--
Styrene	ug/L	ND	ND	ND	--	--	--	--	--	--
tert-Butylbenzene	ug/L	ND	ND	ND	--	--	--	--	--	--
Tetrachloroethene	ug/L	ND	ND	ND	--	--	--	--	--	--
Toluene	ng/g	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	ug/L	ND	ND	ND	--	--	--	--	--	--
TPH	ppm	--	--	--	<1.0	<1.0	<1.0	7.5	<1.0	<1.0

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Table A-2a
T-25S Historical Groundwater Data

Analyte	Units	Herrera (2010)			Sweet-Edwards (1990)					
		B95-GW	B96-GW	B97-GW	MW1-1089	MW2-1089	MW3-1089	MW4-1089	MW5-1089	MW6-1089
Trichloroethene	ug/L	ND	ND	ND	--	--	--	--	--	--
Trichlorofluoromethane	ug/L	ND	ND	ND	--	--	--	--	--	--
Vinyl Acetate	ug/L	ND	ND	ND	--	--	--	--	--	--
Vinyl Chloride	ug/L	ND	ND	**0.32**	--	--	--	--	--	--

Notes:

Bolded cells indicated detected results

--: no data

mg/L: milligrams per liter

ND: non-detect

ng/g: nanograms per gram

ppm: parts per million

ug/L: micrograms per liter

Table A-2b
T-25S Historical Soil Data

Analyte	Units	Blymyer Engineers (1989)																			
		B-1-5'	B-1-10'	B-2-5'	B-2-13'	B-3-5'	B-3-10'	B-5-5'	B-5-10'	B-6-5'	B-6-10'	B-7-5'	B-8-10'	B-9-5'	B-9-10'	B-10-5'	B-10-10'	B-11-5'	B-11-10'	B-12-5'	B-12-10'
(3+4)-Methylphenol (m,p-Cresol)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(trans) 1,2-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(trans) 1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dinitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Diphenylhydrazine	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dinitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dinitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2)3'4,4',S-Pentachloro I,I'-Biphenyl	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**7.7**	ND	--	--	--	--
2,2-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4',6-Tetrachloro I,I-Biphenyl	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1.3**	ND	--	--	--	--
2,3,4,6-Tetrachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table A-2b
T-25S Historical Soil Data

Analyte	Units	Herrera (2010)															
		B95-SS-3	B95-SS-11	B95-SS-19	B96-SS-3	B96-SS-11	B97-SS-10	B97-SS-3	B97-SS-3E	B97-SS-3N	B97-SS-3S	B97-SS-3W	B97-SS-13	B97-SS-20	B97-SS-SP1	B97-SS-SP3	B97-SS-SP5
(3+4)-Methylphenol (m,p-Cresol)	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
(trans) 1,2-Dichloroethene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
(trans) 1,3-Dichloropropene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,1,1,2-Tetrachloroethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,1,1-Trichloroethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,1,2-Trichloroethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,1-Dichloroethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,1-Dichloroethene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,1-Dichloropropene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,2,3,4,6,7,8-HpCDD	ng/Kg	**44**	--	--	**5.9**	--	--	**17**	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/Kg	--	--	--	**3.6**	--	--	**27**	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/Kg	ND	--	--	**1**	--	--	**8.8**	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/Kg	ND	--	--	ND	--	--	ND	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/Kg	ND	--	--	**1.1**	--	--	ND	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/Kg	**2.3**	--	--	ND	--	--	ND	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/Kg	ND	--	--	ND	--	--	**3.1**	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/Kg	**1.8**	--	--	ND	--	--	ND	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/Kg	ND	--	--	ND	--	--	**2.1**	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/Kg	**1.2**	--	--	ND	--	--	ND	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/Kg	ND	--	--	ND	--	--	**1.4**	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,2,3-Trichloropropane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,2,4-Trichlorobenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,2,4-Trimethylbenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,2-Dibromo-3-chloropropane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,2-Dibromoethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,2-Dichlorobenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,2-Dichloroethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,2-Dichloroethene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	**0.0015**	ND	--	--	--
1,2-Dichloropropane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,2-Dinitrobenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,2-Diphenylhydrazine	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,3,5-Trimethylbenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,3-Dichlorobenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,3-Dichloropropane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,3-Dichloropropene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,3-Dinitrobenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,4-Dichlorobenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1,4-Dinitrobenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
1-Methylnaphthalene	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.014**	ND	ND	ND	ND
2)3'4,4',S-Pentachloro I,I'-Biphenyl	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2,3,4,6,7,8-HxCDF	ng/Kg	ND	--	--	ND	--	--	**2.2**	--	--	--	--	--	--	--	--	--
2,3,4',6-Tetrachloro I,I-Biphenyl	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2,3,4,7,8-PeCDF	ng/Kg	**2.3**	--	--	**0.98**	--	--	**3.7**	--	--	--	--	--	--	--	--	--

Table A-2b
T-25S Historical Soil Data

Analyte	Units	Landau (1990)						Sweet-Edwards (1990)									
		LW-1 (8.5 - 9.0 feet)	LW-1 (10.0 - 10.5 feet)	LW-2 (5.0 - 6.5 feet)	LW-2 (8.5 - 9.0 feet)	LW-3 (5.0 - 6.5 feet)	LW-3 (7.5 - 8.0 feet)	PS-1-989	PS-2-989	PS-3-989	PS-4-989	PS-5-989	PS-6-989	PS-7-989	PS-8-989	PS-9-989	PS-10-989
(3+4)-Methylphenol (m,p-Cresol)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(trans) 1,2-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(trans) 1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dinitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Diphenylhydrazine	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dinitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dinitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2)3'4,4',S-Pentachloro I,I'-Biphenyl	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4',6-Tetrachloro I,I-Biphenyl	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table A-2b
T-25S Historical Soil Data

Analyte	Units	Blymyer Engineers (1989)																			
		B-1-5'	B-1-10'	B-2-5'	B-2-13'	B-3-5'	B-3-10'	B-5-5'	B-5-10'	B-6-5'	B-6-10'	B-7-5'	B-8-10'	B-9-5'	B-9-10'	B-10-5'	B-10-10'	B-11-5'	B-11-10'	B-12-5'	B-12-10'
2,3,5,6-Tetrachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3-Dichloroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6,10,14 Tetrimethyl Pantadecane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1**	ND	--	--	--	--
2,6-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,9 Dimethyl Decane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.5**	ND	--	--	--	--
2-Butanone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	**5.7**	--	--	--	--
2-Methylphenol (o-Cresol)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenylether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl-phenylether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7-Methyl Tridecane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.4**	ND	--	--	--	--
Acenaphthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	**3.6**	--	--	--	--
Acenaphthylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	**0.69**	--	--	--	--
Acetone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-Pinene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	**2**	--	--	--	--
Aniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	**900**	--	--	--	--
Aroclor 1016	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	mg/kg	**0.016**	--	--	--	--	--	--	--	--	--	--	--	**0.033**	**0.0092**	--	--	--	--	--	--

Table A-2b
T-25S Historical Soil Data

Analyte	Units	Herrera (2010)															
		B95-SS-3	B95-SS-11	B95-SS-19	B96-SS-3	B96-SS-11	B97-SS-10	B97-SS-3	B97-SS-3E	B97-SS-3N	B97-SS-3S	B97-SS-3W	B97-SS-13	B97-SS-20	B97-SS-SP1	B97-SS-SP3	B97-SS-SP5
2,3,5,6-Tetrachlorophenol	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2,3,7,8-TCDD	ng/Kg	ND	--	--	ND	--	--	ND	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/Kg	ND	--	--	**0.54**	--	--	**1.6**	--	--	--	--	--	--	--	--	--
2,3-Dichloroaniline	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2,4,5-Trichlorophenol	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2,4,6-Trichlorophenol	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2,4-Dichlorophenol	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2,4-Dimethylphenol	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2,4-Dinitrophenol	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2,4-Dinitrotoluene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2,6,10,14 Tetrimethyl Pantadecane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2,9 Dimethyl Decane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone	mg/kg	ND	ND	**0.012**	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2-Chloroethyl Vinyl Ether	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2-Chloronaphthalene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2-Chlorophenol	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2-Chlorotoluene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2-Hexanone	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2-Methylnaphthalene	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.019**	ND	ND	ND	ND
2-Methylphenol (o-Cresol)	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2-Nitroaniline	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
2-Nitrophenol	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
3,3'-Dichlorobenzidine	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
3-Nitroaniline	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
4,6-Dinitro-2-methylphenol	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
4-Bromophenyl-phenylether	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
4-Chloro-3-methylphenol	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
4-Chloroaniline	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
4-Chlorophenyl-phenylether	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
4-Chlorotoluene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
4-Nitroaniline	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
4-Nitrophenol	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
7-Methyl Tridecane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/kg	ND	**0.032**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.11**	ND	ND	ND	ND
Acenaphthylene	mg/kg	**0.0087**	ND	ND	ND	ND	ND	**0.036**	ND	ND	ND	ND	**0.025**	ND	ND	**0.03**	ND
Acetone	mg/kg	ND	ND	0.034	ND	ND	--	ND	--	--	--	--	**0.039**	**0.023**	--	--	--
Alpha-Pinene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Anthracene	mg/kg	**0.012**	ND	ND	ND	ND	ND	**0.025**	ND	ND	ND	ND	**0.21**	ND	ND	**0.023**	ND
Aroclor 1016	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	mg/kg	**0.23**	ND	ND	**0.94**	ND	**0.31**	**66**	**330**	**15**	**9.1**	**42**	ND	ND	**86**	**54**	**97**

Table A-2b
T-25S Historical Soil Data

Analyte	Units	Landau (1990)						Sweet-Edwards (1990)									
		LW-1 (8.5 - 9.0 feet)	LW-1 (10.0 - 10.5 feet)	LW-2 (5.0 - 6.5 feet)	LW-2 (8.5 - 9.0 feet)	LW-3 (5.0 - 6.5 feet)	LW-3 (7.5 - 8.0 feet)	PS-1-989	PS-2-989	PS-3-989	PS-4-989	PS-5-989	PS-6-989	PS-7-989	PS-8-989	PS-9-989	PS-10-989
2,3,5,6-Tetrachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3-Dichloroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6,10,14 Tetrimethyl Pantadecane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,9 Dimethyl Decane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenylether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl-phenylether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7-Methyl Tridecane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-Pinene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1016	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table A-2b
T-25S Historical Soil Data

Analyte	Units	Blymyer Engineers (1989)																			
		B-1-5'	B-1-10'	B-2-5'	B-2-13'	B-3-5'	B-3-10'	B-5-5'	B-5-10'	B-6-5'	B-6-10'	B-7-5'	B-8-10'	B-9-5'	B-9-10'	B-10-5'	B-10-10'	B-11-5'	B-11-10'	B-12-5'	B-12-10'
Arsenic	mg/kg	**1.6**	**2**	--	--	--	--	**2.8**	**1.5**	**1.6**	**1.9**	--	--	--	--	**1.7**	**10**	--	--	--	--
Barium	mg/kg	**2**	**16**	--	--	--	--	**19**	**8.1**	**17**	**22**	--	--	--	--	**36**	**32**	--	--	--	--
Benzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ng/g	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzidine	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo[a]anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo[a]pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo[b]fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo[g,h,i]perylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo[k]fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroisopropyl)ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis-2-Ethylhexyladipate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	ND	ND	--	--	--	--	ND	ND	ND	ND	--	--	--	--	ND	ND	--	--	--	--
Carbazole	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	mg/kg	**23**	**13**	--	--	--	--	**6.3**	**4.9**	ND	**13**	--	--	--	--	**20**	**5.4**	--	--	--	--
Chrysene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenz[a,h]anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diesel Range Organics	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimenthyl Naphthalene (Non-Specific)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	**1.3**	--	--	--	--
Dimethyl Naphthalene (Non-Specific)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	**1.1**	--	--	--	--
Dimethylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.038**	--	--	--	--
Ethylbenzene	ng/g	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table A-2b
T-25S Historical Soil Data

Analyte	Units	Herrera (2010)															
		B95-SS-3	B95-SS-11	B95-SS-19	B96-SS-3	B96-SS-11	B97-SS-10	B97-SS-3	B97-SS-3E	B97-SS-3N	B97-SS-3S	B97-SS-3W	B97-SS-13	B97-SS-20	B97-SS-SP1	B97-SS-SP3	B97-SS-SP5
Arsenic	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	ND	ND	ND
Barium	mg/kg	**19**	**8.4**	**12**	**13**	**24**	--	**20**	--	--	--	--	**30**	**8.5**	**27**	**23**	**12**
Benzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	**0.039**	ND	ND
Benzene	ng/g	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzidine	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Benzo[a]anthracene	mg/kg	**0.036**	ND	ND	ND	ND	ND	**0.031**	ND	ND	ND	ND	**0.43**	ND	ND	**0.017**	ND
Benzo[a]pyrene	mg/kg	**0.05**	ND	ND	**0.0075**	ND	ND	**0.096**	ND	**0.0076**	ND	ND	**0.1**	ND	ND	**0.037**	ND
Benzo[b]fluoranthene	mg/kg	**0.061**	ND	ND	**0.0071**	ND	ND	**0.072**	ND	ND	ND	ND	**0.19**	ND	**0.011**	**0.028**	ND
Benzo[g,h,i]perylene	mg/kg	**0.029**	ND	ND	**0.0081**	ND	ND	**0.11**	**0.012**	**0.011**	ND	ND	**0.033**	ND	**0.0081**	**0.073**	ND
Benzo[k]fluoranthene	mg/kg	**0.027**	ND	ND	ND	ND	ND	**0.044**	ND	ND	ND	ND	**0.11**	ND	**0.0072**	**0.025**	ND
Benzyl alcohol	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
bis(2-Chloroethoxy)methane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
bis(2-Chloroethyl)ether	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
bis(2-Chloroisopropyl)ether	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
bis(2-Ethylhexyl)phthalate	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
bis-2-Ethylhexyladipate	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Bromobenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Bromochloromethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Bromodichloromethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Bromoform	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Bromomethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Butylbenzylphthalate	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Cadmium	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	ND	ND	ND
Carbazole	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Carbon Disulfide	mg/kg	ND	**0.002**	**0.0028**	ND	ND	--	ND	--	--	--	--	ND	**0.0026**	--	--	--
Carbon Tetrachloride	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Chlorobenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Chloroethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Chloroform	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Chloromethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Chromium	mg/kg	**7.6**	**6.9**	**10**	**6.9**	**15**	--	10	--	--	--	--	**18**	**7.3**	**9.2**	**11**	**6**
Chrysene	mg/kg	**0.13**	ND	ND	**0.011**	ND	ND	**0.045**	**0.009**	**0.0083**	ND	ND	**0.47**	ND	**0.0083**	**0.03**	ND
Dibenz[a,h]anthracene	mg/kg	**0.0093**	ND	ND	ND	ND	ND	**0.016**	ND	ND	ND	ND	**0.013**	ND	ND	**0.01**	ND
Dibenzofuran	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	**0.12**	ND	--	--	--
Dibromochloromethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Dibromomethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Dichlorodifluoromethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Diesel Range Organics	mg/kg	ND	ND	ND	**29**	ND	ND	430	230	44	ND	32	ND	ND	**68**	**170**	**150**
Diethylphthalate	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Dimenthyl Naphthalene (Non-Specific)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl Naphthalene (Non-Specific)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethylphthalate	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Di-n-butylphthalate	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Di-n-octylphthalate	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Ethylbenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	ND	ND	ND
Ethylbenzene	ng/g	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/kg	**0.041**	ND	ND	**0.008**	ND	ND	**0.059**	**0.01**	**0.015**	ND	ND	**2.5**	ND	**0.0099**	**0.03**	ND

Table A-2b
T-25S Historical Soil Data

Analyte	Units	Landau (1990)						Sweet-Edwards (1990)									
		LW-1 (8.5 - 9.0 feet)	LW-1 (10.0 - 10.5 feet)	LW-2 (5.0 - 6.5 feet)	LW-2 (8.5 - 9.0 feet)	LW-3 (5.0 - 6.5 feet)	LW-3 (7.5 - 8.0 feet)	PS-1-989	PS-2-989	PS-3-989	PS-4-989	PS-5-989	PS-6-989	PS-7-989	PS-8-989	PS-9-989	PS-10-989
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ng/g	--	--	--	--	--	--	**4.1**	<50	<1.0	<1.0	**1.2**	**430**	**770**	<1.0	<1.0	**1.9**
Benzidine	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo[a]anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo[a]pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo[b]fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo[g,h,i]perylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo[k]fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroisopropyl)ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis-2-Ethylhexyladipate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenz[a,h]anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diesel Range Organics	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimenthyl Naphthalene (Non-Specific)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl Naphthalene (Non-Specific)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	ng/g	--	--	--	--	--	--	**26.4**	**7860**	<1.0	**12.6**	**1.7**	**9510**	**870**	**9.3**	**38**	**2**
Fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table A-2b
T-25S Historical Soil Data

Analyte	Units	Blymyer Engineers (1989)																			
		B-1-5'	B-1-10'	B-2-5'	B-2-13'	B-3-5'	B-3-10'	B-5-5'	B-5-10'	B-6-5'	B-6-10'	B-7-5'	B-8-10'	B-9-5'	B-9-10'	B-10-5'	B-10-10'	B-11-5'	B-11-10'	B-12-5'	B-12-10'
Fluorene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	**3.5**	--	--	--	--
Gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptsdecane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.7**	ND	--	--	--	--
Hexachlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
I r 2,3-Trimethyl Benzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.5**	ND	--	--	--	--
I,4-dihydro-I, 4-Methanonaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	**1.1**	--	--	--	--
I-Ethyl Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	**0.5**	--	--	--	--
I-Methyl-7-(I-Methylethyl)Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	**4**	--	--	--	--
Indeno(1,2,3-c,d)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno[1,2,3-cd]pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	ND	ND	--	--	--	--	**110**	**5.9**	ND	ND	--	--	--	--	ND	ND	--	--	--	--
Lube oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lube Oil Range Organics	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	ng/g	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	ND	ND	--	--	--	--	ND	ND	ND	**2**	--	--	--	--	ND	ND	--	--	--	--
Methyl Isobutyl Ketone	mg/kg		--	--	--	--	--					--	--	--	--	--	--	--	--	--	--
Methyl t-Butyl Ether	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	**0.66**	**9.5**	--	--	--	--
n-Butylbenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/Kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/Kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil and Grease	mg/kg	ND	ND	ND	ND	ND	ND	**39**	**13**	ND	ND	ND	ND	ND	ND	ND	**230**	**170**	**190**	ND	**4400**
o-Xylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	ng/g	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pautachloro-l ,It Biphenyl (Non-Specific)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**7.6**	ND	--	--	--	--
PCB's	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachloro~i,lfBiphenyl (Non-Specific)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**11**	ND	--	--	--	--
Pentachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.97**	**4.7**	--	--	--	--
Phenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Isopropyltoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyridine	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table A-2b
T-25S Historical Soil Data

Analyte	Units	Herrera (2010)															
		B95-SS-3	B95-SS-11	B95-SS-19	B96-SS-3	B96-SS-11	B97-SS-10	B97-SS-3	B97-SS-3E	B97-SS-3N	B97-SS-3S	B97-SS-3W	B97-SS-13	B97-SS-20	B97-SS-SP1	B97-SS-SP3	B97-SS-SP5
Fluorene	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.16**	ND	ND	ND	ND
Gasoline	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	ND	ND	ND
Heptsdecane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Hexachlorobutadiene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Hexachlorocyclopentadiene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Hexachloroethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
I r 2,3-Trimethyl Benzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
I,4-dihydro-I, 4-Methanonaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
I-Ethyl Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
I-Methyl-7-(I-Methylethyl)Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-c,d)pyrene	mg/kg	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	ND	**0.04**	ND
Indeno[1,2,3-cd]pyrene	mg/kg	**0.015**	ND	ND	ND	ND	--	**0.074**	--	--	--	--	**0.027**	ND	--	--	--
Iodomethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Isophorone	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Isopropylbenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Lead	mg/kg	**27**	ND	ND	ND	ND	--	**26**	--	--	--	--	**10**	ND	**27**	**45**	ND
Lube oil	mg/kg	**820**	--	--	**180**	--	--	**570**	--	--	--	--	--	--	**140**	**230**	--
Lube Oil Range Organics	mg/kg	--	ND	ND	--	ND	ND	--	**280**	**110**	ND	**59**	ND	ND	--	--	ND
m,p-Xylene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	ND	ND	ND
m,p-Xylene	ng/g	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	**1.2**	ND	ND
Methyl Isobutyl Ketone	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Methyl t-Butyl Ether	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Methylene Chloride	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Naphthalene	mg/kg	ND	**0.011**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.025**	ND	ND	ND	ND
n-Butylbenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Nitrobenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
n-Nitrosodimethylamine	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
n-Nitroso-di-n-propylamine	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
n-Nitrosodiphenylamine	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
n-Propylbenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
OCDD	ng/Kg	**370**	--	--	**47**	--	--	**130**	--	--	--	--	--	--	--	--	--
OCDF	ng/Kg	**36**	--	--	**8.5**	--	--	100	--	--	--	--	--	--	--	--	--
Oil and Grease	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	ND	ND	ND
o-Xylene	ng/g	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pautachloro-l ,It Biphenyl (Non-Specific)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB's	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloro~i,lfBiphenyl (Non-Specific)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Phenanthrene	mg/kg	**0.02**	ND	ND	ND	ND	ND	**0.026**	ND	**0.008**	ND	ND	**0.65**	ND	ND	**0.014**	ND
Phenol	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
p-Isopropyltoluene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Pyrene	mg/kg	**0.067**	**0.012**	ND	**0.009**	ND	ND	**0.066**	**0.01**	**0.014**	ND	ND	**1.3**	ND	**0.0083**	**0.047**	ND
Pyridine	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
sec-Butylbenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--

Table A-2b
T-25S Historical Soil Data

Analyte	Units	Landau (1990)						Sweet-Edwards (1990)									
		LW-1 (8.5 - 9.0 feet)	LW-1 (10.0 - 10.5 feet)	LW-2 (5.0 - 6.5 feet)	LW-2 (8.5 - 9.0 feet)	LW-3 (5.0 - 6.5 feet)	LW-3 (7.5 - 8.0 feet)	PS-1-989	PS-2-989	PS-3-989	PS-4-989	PS-5-989	PS-6-989	PS-7-989	PS-8-989	PS-9-989	PS-10-989
Fluorene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptsdecane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
I r 2,3-Trimethyl Benzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
I,4-dihydro-I, 4-Methanonaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
I-Ethyl Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
I-Methyl-7-(I-Methylethyl)Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-c,d)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno[1,2,3-cd]pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lube oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lube Oil Range Organics	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	ng/g	--	--	--	--	--	--	<258	**52400**	**2.4**	**85**	**4.9**	**41100**	**4300**	**7.8**	**130**	**13**
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl Isobutyl Ketone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl t-Butyl Ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodimethylamine	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oil and Grease	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	ng/g	--	--	--	--	--	--	**54.7**	**22900**	**0.9**	**34.5**	**2.6**	**14500**	**1760**	**15**	**67**	**14**
Pautachloro-l ,It Biphenyl (Non-Specific)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB's	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloro~i,lfBiphenyl (Non-Specific)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Isopropyltoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyridine	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table A-2b
T-25S Historical Soil Data

Analyte	Units	Blymyer Engineers (1989)																			
		B-1-5'	B-1-10'	B-2-5'	B-2-13'	B-3-5'	B-3-10'	B-5-5'	B-5-10'	B-6-5'	B-6-10'	B-7-5'	B-8-10'	B-9-5'	B-9-10'	B-10-5'	B-10-10'	B-11-5'	B-11-10'	B-12-5'	B-12-10'
Selenium	mg/kg	ND	ND	--	--	--	--	ND	ND	ND	ND	--	--	--	--	ND	**0.08**	--	--	--	--
Silver	mg/kg	ND	ND	--	--	--	--	ND	ND	ND	ND	--	--	--	--	ND	ND	--	--	--	--
Styrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.012**	--	--	--	--
Toluene	ng/g	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HpCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HpCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HxCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HxCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PAH	ppm	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**23**	--	--	--	--
Total PeCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PeCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total TCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total TCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPA-g W/BTXE	mg/kg	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND
TPH	ppm	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH (418.1)	ppm	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH (Modified 8015)	ppm	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH-d	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	650
Trichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Undercane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.4**	ND	--	--	--	--
Vinyl Acetate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table A-2b
T-25S Historical Soil Data

Analyte	Units	Herrera (2010)															
		B95-SS-3	B95-SS-11	B95-SS-19	B96-SS-3	B96-SS-11	B97-SS-10	B97-SS-3	B97-SS-3E	B97-SS-3N	B97-SS-3S	B97-SS-3W	B97-SS-13	B97-SS-20	B97-SS-SP1	B97-SS-SP3	B97-SS-SP5
Selenium	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	ND	ND	ND
Silver	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	ND	ND	ND
Styrene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
tert-Butylbenzene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Tetrachloroethene	mg/kg	**0.0017**	ND	ND	ND	ND	--	**0.0042**	--	--	--	--	ND	ND	--	--	--
Toluene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	ND	ND	ND
Toluene	ng/g	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HpCDD	ng/Kg	**140**	--	--	**13**	--	--	**29**	--	--	--	--	--	--	--	--	--
Total HpCDF	ng/Kg	**30**	--	--	**4.6**	--	--	**68**	--	--	--	--	--	--	--	--	--
Total HxCDD	ng/Kg	**22**	--	--	**2.5**	--	--	ND	--	--	--	--	--	--	--	--	--
Total HxCDF	ng/Kg	**19**	--	--	**5.7**	--	--	**32**	--	--	--	--	--	--	--	--	--
Total PAH	ppm	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PeCDD	ng/Kg	**4.9**	--	--	**0.51**	--	--	ND	--	--	--	--	--	--	--	--	--
Total PeCDF	ng/Kg	**22**	--	--	**6.4**	--	--	**30**	--	--	--	--	--	--	--	--	--
Total TCDD	ng/Kg	ND	--	--	ND	--	--	ND	--	--	--	--	--	--	--	--	--
Total TCDF	ng/Kg	**3.1**	--	--	--	--	--	**10**	--	--	--	--	--	--	--	--	--
TPA-g W/BTXE	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH	ppm	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH (418.1)	ppm	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH (Modified 8015)	ppm	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH-d	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Trichlorofluoromethane	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Undercane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Acetate	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--
Vinyl Chloride	mg/kg	ND	ND	ND	ND	ND	--	ND	--	--	--	--	ND	ND	--	--	--

Table A-2b
T-25S Historical Soil Data

Analyte	Units	Landau (1990)						Sweet-Edwards (1990)									
		LW-1 (8.5 - 9.0 feet)	LW-1 (10.0 - 10.5 feet)	LW-2 (5.0 - 6.5 feet)	LW-2 (8.5 - 9.0 feet)	LW-3 (5.0 - 6.5 feet)	LW-3 (7.5 - 8.0 feet)	PS-1-989	PS-2-989	PS-3-989	PS-4-989	PS-5-989	PS-6-989	PS-7-989	PS-8-989	PS-9-989	PS-10-989
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ng/g	--	--	--	--	--	--	**384**	**3060**	**1.9**	**29.6**	**1.1**	**9780**	**2300**	<1	**16**	**1.8**
Total HpCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HpCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HxCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HxCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PAH	ppm	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PeCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PeCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total TCDD	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total TCDF	ng/Kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPA-g W/BTXE	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH	ppm	--	--	--	--	--	--	**23**	**650**	**6**	<1	<1	**130**	--	**140**	**230**	<1
TPH (418.1)	ppm	**17**	**95**	**20**	ND	ND	**33**	--	--	--	--	--	--	--	--	--	--
TPH (Modified 8015)	ppm	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
TPH-d	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Undecane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Acetate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table A-2b
T-25S Historical Soil Data

Notes:
Bolded cells indicated detected results
--: no data
mg/kg: milligrams per kilogram
ND: non-detect
ng/g: nanograms per gram
ppm: parts per million
ug/kg: micrograms per kilogram

Appendix A-3
RCRA and TSCA Data Screening

Appendix A: Attachment A-3
RCRA and TSCA Data Screening

	Location ID	T25-SB01	T25-SB02	T25-SB03	T25-SB04A	T25-SB05	T25-SB07	T25-SB07	T25-SB08	T25-SB09	T25-SB11	T25-SB-16	T25-SB-16
	Sample ID	T25-SB01-0-10	T25-SB02-0-3	T25-SB03-0-7.5	T25-SB04A-0-11	T25-SB05-0-4	T25-SB07-0-8	T25-SB57-0-8	T25-SB08-0-12	T25-SB09-0-8	T25-SB11-0-9	T25-SB-16-0-10	T25-SB-56-0-10
	Sample Date	01/15/19	01/15/19	01/18/19	01/16/19	01/15/19	01/15/19	01/15/19	01/17/19	01/17/19	01/17/19	08/06/20	08/06/20
	Depth	0 - 10 ft	0 - 3 ft	0 - 7.5 ft	0 - 11 ft	0 - 4 ft	0 - 8 ft	0 - 8 ft	0 - 12 ft	0 - 8 ft	0 - 9 ft	0 - 10 ft	0 - 10 ft
	Sample Type	N	N	N	N	N	N	FD	N	N	N	N	FD
	Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
Parameter	**RCRA Criteria**												
Conventional Parameters (percent)													
Total Solids		**83.51**	**83.94**	**93.76**	**87.66**	**66.66**	**86.36**	**87.24**	**86.51**	**93.43**	**87.93**	**85.71**	**87.72**
Metals (TCLP Method SW1311) (µg/L)													
Arsenic	5000	250 U	250 U	250 U	**15.1 J**	250 U	250 U	250 U	250 U	250 U	250 U	**20.8 J**	250 U
Barium	100000	129 U	276 U	**605**	**740**	131 U	255 U	278 U	347 U	**363 J**	**500 J**	**481**	**429**
Cadmium	1000	10 U	10 U	**1.2 J**	10 U	10 U	10 U	10 U	10 U	**1.3 J**	10 U	10 U	10 U
Chromium	5000	25 U	**48.3**	25 U	25 U	25 U	**26.7**	**25.9**	**3.8 J**	**2.7 J**	25 U	25 U	25 U
Lead	5000	100 U	**434**	100 U	100 U	100 U	100 U	100 U	**15.6 J**	100 U	100 U	100 U	100 U
Mercury	200	0.1 U	**0.183**	**0.007 J**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Selenium	1000	250 U	250 U	250 U	250 U	250 U	**154 J**	**133 J**	250 U	250 U	250 U	250 U	250 U
Silver	5000	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
Semivolatile Organics (µg/kg)													
1,2,4-Trichlorobenzene	--	5 U	14.7 U	4.8 U	**2.6 J**	5 U	4.8 U	4.8 U	4.8 U	4.9 U	4.7 U	5 U	5 U
1,2-Dichlorobenzene	1000	5 U	14.7 U	4.8 U	4.7 U	5 U	4.8 U	4.8 U	4.8 U	4.9 U	**2.2 J**	**2 J**	5 U
1,4-Dichlorobenzene	150000	5 U	14.7 U	4.8 U	4.7 U	5 U	4.8 U	4.8 U	4.8 U	**7**	4.7 U	**2.7 J**	**4.9 J**
2,4-Dimethylphenol	--	24.9 UJ	**15.3 J**	24.1 UJ	23.6 UJ	**3 J**	24.1 UJ	23.8 UJ	24.1 UJ	24.3 UJ	23.7 UJ	**3.7 J**	**3.9 J**
2-Methylphenol (o-Cresol)	4000000	5 U	14.7 U	4.8 U	4.7 U	**3.3 J**	4.8 U	4.8 U	4.8 U	4.9 U	4.7 U	5 U	5 U
4-Methylphenol (p-Cresol)	4000000	**6.5**	**18.9**	4.8 U	**11.2**	**14**	4.8 U	4.8 U	**4.5 J**	**3.2 J**	**44.2**	**62.5**	**50.9**
Benzoic acid	--	99.7 UJ	**167 J**	96.3 UJ	**52.8 J**	**57.8 J**	96.3 UJ	**36.3 J**	96.3 UJ	**287 J**	**55.4 J**	**76.6 J**	**182**
Benzyl alcohol	--	19.9 U	58.6 U	19.3 U	18.9 U	19.9 U	19.3 U	19 U	19.3 U	19.4 U	19 U	20 U	20 U
bis(2-Ethylhexyl)phthalate	--	49.9 U	**208**	**32.9 J**	**30.3 J**	49.7 U	**43.4 J**	**53.7**	48.1 U	**34.7 J**	**30.1 J**	49.9 U	49.9 U
Butylbenzyl phthalate	--	19.9 U	58.6 U	19.3 U	18.9 U	19.9 U	19.3 U	19 U	19.3 U	19.4 U	19 U	20 U	20 U
Diethyl phthalate	--	19.9 U	58.6 U	19.3 U	50.5 U	19.9 U	25 U	19.5 U	19.3 U	19.4 U	19 U	20 U	20 U
Dimethyl phthalate	--	5 UJ	**22.1 J**	4.8 U	4.7 U	5 UJ	4.8 UJ	4.8 U	4.8 U	4.9 U	4.7 U	5 U	5 U
Di-n-butyl phthalate	--	**79.4**	**241**	72.2 U	**18 J**	**127**	**58.2**	**99.2**	88.1 U	213 U	62.7 U	20 U	20 U
Di-n-octyl phthalate	--	19.9 U	58.6 U	19.3 U	18.9 U	19.9 U	19.3 U	19 U	19.3 U	19.4 U	19 U	20 U	20 U
Hexachlorobenzene	260	5 U	14.7 U	4.8 U	4.7 U	5 U	4.8 U	4.8 U	4.8 U	4.9 U	4.7 U	5 U	5 U
n-Nitrosodiphenylamine	--	5 U	14.7 U	4.8 U	4.7 UJ	5 U	4.8 U	4.8 UJ	4.8 U	4.9 U	4.7 U	5 U	5 U
Pentachlorophenol	2000000	19.9 UJ	**24.4 J**	19.3 UJ	**3.4 J**	19.9 UJ	19.3 UJ	**3.2 J**	19.3 UJ	**2.6 J**	19 UJ	**3.1 J**	**7 J**
Phenol		5.3 U	21 U	4.8 UJ	15 UJ	10.8 U	4.8 U	5.4 UJ	5.1 U	8.9 U	9.8 UJ	**6.4**	**6.3**
Polycyclic Aromatic Hydrocarbons (µg/kg)													
2-Methylnaphthalene	--	**13.7 J**	**62.3**	19.3 U	**14.1 J**	**14.3 J**	**7.2 J**	19 U	19.3 U	**14.9 J**	**17.6 J**	**272**	**117**
Acenaphthene	--	**8.6 J**	**412**	19.3 U	**14.2 J**	**5.7 J**	**11.6 J**	**4.9 J**	**8.1 J**	**51.7**	**16 J**	**196**	**119**
Acenaphthylene	--	19.9 U	**181**	19.3 U	**12.2 J**	**21.8**	**4.9 J**	19 U	19.3 U	19.4 U	**27**	**18.5 J**	**14.1 J**
Anthracene	--	**15.7 J**	**929**	19.3 U	**15.1 J**	**30.2**	**25.9**	**10.6 J**	**7.1 J**	**26.9**	**32.2**	**94.1**	**97.5**
Benzo(a)anthracene	--	**7.4 J**	**2330**	19.3 U	**25.1**	**72**	**78.4**	**28.4**	**11.6 J**	**15.7 J**	**90.6**	**47.5**	**114**
Benzo(a)pyrene	--	19.9 U	**2540**	19.3 U	**27.6**	**118**	**70.7**	**25.5**	19.3 U	**12.6 J**	**109**	**31.3**	**63.5**
Benzo(b,j,k)fluoranthenes	--	39.9 U	**4600**	**17.6 J**	**57.6**	**241**	**141**	**45.7**	**30.4 J**	**22 J**	**211**	**66.3**	**150**
Benzo(g,h,i)perylene	--	19.9 UJ	**875 J**	**9.4 J**	**11.5 J**	**59 J**	**31.5 J**	**12.7 J**	**12.3 J**	**9.7 J**	**52.8 J**	**24**	**39.9**
Chrysene	--	**8.8 J**	**2970**	**18 J**	**34.4**	**117**	**110**	**40.7**	**36.8**	**27.7**	**137**	**65.2**	**132**
Dibenzo(a,h)anthracene	--	5 UJ	**364 J**	4.8 U	**5 J**	**18.2 J**	**11.4 J**	**12.2 J**	4.8 U	**3.2 J**	**15.2 J**	**5.3**	**11.6**
Dibenzofuran	--	**15.8 J**	**130**	19.3 U	**12.6 J**	**15.2 J**	**7.3 J**	19 U	**8 J**	**28.9**	**11.9 J**	**114**	**79.8**
Fluoranthene	--	**46.5**	**5640**	**8.7 J**	**85.5**	**166**	**257**	**100**	**28.2**	**74.5**	**285**	**281**	**334**
Fluorene	--	**14.9 J**	**290**	19.3 U	**15.2 J**	**9.5 J**	**5.8 J**	19 U	**8 J**	**50**	**20.3**	**175**	**128**
Indeno(1,2,3-c,d)pyrene	--	19.9 UJ	**966 J**	19.3 U	**8.3 J**	**54.8 J**	**29.3 J**	**10.5 J**	**7.4 J**	19.4 U	**48.9 J**	**15.8 J**	**33.1**
Naphthalene	--	**41.8**	**102**	19.3 U	**41.9**	**55**	**9.7 J**	**5 J**	**12.1 J**	**58.2**	**40.7**	**159**	**130**
Phenanthrene	--	**57.3**	**3940**	**8.6 J**	**82.4**	**123**	**134**	**47.4**	**13.7 J**	**119**	**200**	**453**	**406**

	Location ID	T25-SB01	T25-SB02	T25-SB03	T25-SB04A	T25-SB05	T25-SB07	T25-SB07	T25-SB08	T25-SB09	T25-SB11	T25-SB-16	T25-SB-16
	Sample ID	T25-SB01-0-10	T25-SB02-0-3	T25-SB03-0-7.5	T25-SB04A-0-11	T25-SB05-0-4	T25-SB07-0-8	T25-SB57-0-8	T25-SB08-0-12	T25-SB09-0-8	T25-SB11-0-9	T25-SB-16-0-10	T25-SB-56-0-10
	Sample Date	01/15/19	01/15/19	01/18/19	01/16/19	01/15/19	01/15/19	01/15/19	01/17/19	01/17/19	01/17/19	08/06/20	08/06/20
	Depth	0 - 10 ft	0 - 3 ft	0 - 7.5 ft	0 - 11 ft	0 - 4 ft	0 - 8 ft	0 - 8 ft	0 - 12 ft	0 - 8 ft	0 - 9 ft	0 - 10 ft	0 - 10 ft
	Sample Type	N	N	N	N	N	N	FD	N	N	N	N	FD
	Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
Parameter	**RCRA Criteria**												
Pyrene	--	**28.8**	**5730**	**10.5 J**	**94.8**	**164**	**225**	**88.2**	**31.5**	**72.7**	**283**	**209**	**248**
Total cPAH TEQ (7 minimum CAEPA 2005) (U = 1/2)	--	**14 J**	**3400 J**	**14 J**	**38 J**	**158 J**	**98 J**	**35.6 J**	**15 J**	**18 J**	**147 J**	**45.4 J**	**95.7**
Total Naphthalenes	--	**55.5**	**164.3**	19.3 U	**56 J**	**69.3 J**	**16.9 J**	**10.5 J**	**12.1 J**	**73.1 J**	**58.3 J**	**431**	**247**
PCB Aroclors (µg/kg)													
Aroclor 1016		4 U	39.4 U	3.8 U	3.8 U	3.9 U	19.1 U	3.8 U	3.9 U	3.8 U	15.8 U	4 U	--
Aroclor 1221		4 U	39.4 U	3.8 U	3.8 U	3.9 U	19.1 U	3.8 U	3.9 U	3.8 U	15.8 U	4 U	--
Aroclor 1232		4 U	39.4 U	3.8 U	3.8 U	3.9 U	19.1 U	3.8 U	3.9 U	3.8 U	15.8 U	4 U	--
Aroclor 1242		4 U	39.4 U	3.8 U	3.8 U	3.9 U	19.1 U	3.8 U	3.9 U	3.8 U	15.8 U	4 U	--
Aroclor 1248		4 U	39.4 U	**637**	3.8 U	3.9 U	**89.4**	**86.7**	3.9 U	3.8 U	15.8 U	**40.3 J**	--
Aroclor 1254		4 U	**597**	**658**	**80.5 J**	3.9 U	**42.7**	**37.7**	**740**	**176**	**10400**	**56.7 J**	--
Aroclor 1260		4 U	**393**	**65.7**	**15.9**	**2.5 J**	19.1 U	3.8 U	**147**	**19.7**	15.8 U	**25.2**	--
Aroclor 1262		4 U	39.4 U	3.8 U	3.8 U	3.9 U	19.1 U	3.8 U	3.9 U	3.8 U	15.8 U	4 U	--
Aroclor 1268		4 U	39.4 U	3.8 U	3.8 U	3.9 U	19.1 U	3.8 U	3.9 U	3.8 U	15.8 U	4 U	--
Total PCB Aroclors (U = 1/2)	50000[a]	4 U	**1130**	**1400**	**110 J**	**18 J**	**199**	**140**	**900**	**210**	**10500**	**134 J**	--
Total Petroleum Hydrocarbons (mg/kg)													
Diesel range hydrocarbons	--	59.8 U	**87.2**	53.2 U	**59.6**	74.8 U	57.2 U	57 U	57.5 U	53.4 U	56.6 U	58.3 U	--
Motor oil range hydrocarbons	--	120 U	**382**	**362**	**115**	**206**	**216**	**133**	**239**	107 U	**209**	**241**	--

Notes:
Detected concentration is greater than RCRA or TSCA screening level
a Toxics Substances Control Act (TSCA) critera
Bold = Detected result
J = Estimated value
U = Compound analyzed, but not detected above detection limit
UJ = Compound analyzed, but not detected above estimated detection limit
Minimum significant figures applied to calculated totals
FD: field duplicate sample
ft: feet
HPAH: high molecular weight PAH
LPAH: low molecular weight PAH
mg/kg: milligrams per kilogram
mg/kg-OC: milligrams per kilogram organic carbon normalized
N: normal environmental sample
ng/kg: nanograms per kilogram
PAH: polycyclic aromatic hydrocarbons
PCB: polychlorinated biphenyls
pct: percent
R: Rejected
SO: soil matrix
TEQ: Toxic Equivalents Quotient
TOC: Total Organic Carbon
µg/kg: micrograms per kilogram