Location ID	Attempt	Date	Sampling Coordinates				Penetration (feet)	Recovery		Within Excavation Boundary (Y/N)	Design Subgrade (feet MLLW)	Sample Interval				Elevation Start (ft MLLW)	Elevation End (ft MLLW)	Sample ID	Major Sediment Lithology	Sample Type				Tier 2 Trigger	Tier 2 Testing Rationale
			Easting	Northing	Longitude	Latitude		(feet)	(pct)			Sample Start (ft)	Sample End (ft)	Below Surface (feet)	Elevation (feet MLLW)					Full suite[a]	Excavation Suite[b]	Geotech[c]	Archive		
SC-01	4	3/26/2019	1267792	212838	122° 20' 34.8" W	47° 34' 24.5" N	1.5	1.4	93	Y	-4.1	0	1	0 to 1	0.1 to -0.9	0.1	-0.9	T25-SC01A-0-1	Silt with sand, sand with ilt, grading to gravel				X		No further testing because neither core reached the Z-layer. Nearby historical surface sediment and core data can be used for excavation material characterization.
	5	3/26/2019	1267792	212871	122° 20' 34.8" W	47° 34' 24.8" N	2.0	2.0	100	N	NA	0	1	0 to 1	-11.5 to -12.5	-11.5	-12.5	T25-SC01B-0-1	Silty sand with shell hash				X		
												1	2	1 to 2	-12.5 to -13.5	-12.5	-13.5	T25-SC01B-1-2	Shell hash and gravel				X		
SC-02	2	3/25/2019	1267668	212812	122° 20' 36.6" W	47° 34' 24.2" N	7.5	7.0	93	Y	-7.3	0	1	0 to 1	-2.7 to -3.7	-2.7	-3.7	T25-SC02-0-1	Shell hash, sand, and silt				X		No further testing because the Z-layer was tested and only one compound was slightly over the SMS SCO (acenaphthene at 18.8 mg/kg-OC), as agreed to with EPA during the June 11, 2019 meeting.
												1	2	1 to 2	-3.7 to -4.7	-3.7	-4.7	T25-SC02-1-2	Shell hash, sand, and silt				X		
												2	3	2 to 3	-4.7 to -5.7	-4.7	-5.7	T25-SC02-2-3	Silty sand				X		
												3	4.6	3 to 4.6	-5.7 to -7.3	-5.7	-7.3	T25-SC02-3-4.6	Silty sand to poorly graded sand				X		
												4.6	5.6	4.6 to 5.6	-7.3 to -8.3	-7.3	-8.3	T25-SC02-4.6-5.6	Poorly graded sand	X					
												5.6	7	5.6 to 7	-8.3 to -9.7	-8.3	-9.7	T25-SC02-5.6-7	Poorly graded sand				X		
												0	4.6	0 to 4.6	-2.7 to -7.3	-2.7	-7.3	T25-SC-02-0-4.6 T25-SC-52-0-4.6 (FD)	--		X				
SC-03	1	3/24/2019	1267651	212756	122° 20' 36.8" W	47° 34' 23.6" N	8.0	6.8	85	Y	-6.9	0	1.7	0 to 5.7	0.6 to -5.1	0.6	-1.1	T25-SC03-0-5.7[d]	*Multiple intervals, reference core log*	--	X[d]	--	--		The core did not reach the Z-layer and the deepest sample interval was tested, which was below SMS (T25-SC03-5.7-6.2). Upper-most poorly graded sand interval will be tested for full suite of SMS analyses to refine vertical extent of contamination.
														0 to 1.7	0.6 to -1.1	0.6	-1.1	T25-SC03-0-1.7	Very wet Silt with sand	--	--	--	X		
												1.7	2.7	1.7 to 2.7	-1.1 to -2.1	-1.1	-2.1	T25-SC03-1.7-2.7	Sand with silt	--	--	X	X		
												2.7	3.7	2.7 to 3.7	-2.1 to -3.1	-2.1	-3.1	T25-SC03-2.7-3.7	Sand with silt	--	--	--	X		
												3.7	4.7	3.7 to 4.7	-3.1 to -4.1	-3.1	-4.1	T25-SC03-3.7-4.7	Poorly graded sand	--	--	--	X	X	
												4.7	5.7	4.7 to 5.7	-4.1 to -5.1	-4.1	-5.1	T25-SC03-4.7-5.7	Poorly graded sand	--	--	--	X		
												5.7	6.2	5.7 to 6.2	-5.1 to -5.6	-5.1	-5.6	T25-SC03-5.7-6.2	Poorly graded sand	X[c]	--	--	X		
SC-04	1	3/24/2019	1267598	212603	122° 20' 37.6" W	47° 34' 22.1" N	7.9	7.2	91	Y	-5.4	0	1	0 to 4.0	-1.7 to -5.7	-1.7	-2.7	T25-SC04-0-4[d]	Silt with sand, silty sand	--	X[d]	--	X		The Z-layer was tested and had SMS exceedances. The next interval down will be tested for the parameters that exceeded SMS screening levels (mercury, SVOCs [1,2,4-trichlorobenzene], PCBs, DFs, TS, TOC).
														0 to 1	-1.7 to -2.7	-1.7	-2.7	T25-SC04-0-1	Silt with sand	--	--	--	X		
												1	2	1 to 2	-2.7 to -3.7	-2.7	-3.7	T25-SC04-1-2	Silty sand	--	--	--	X		
												2	3	2 to 3	-3.7 to -4.7	-3.7	-4.7	T25-SC04-2-3	Silty sand	--	--	X	X		
												3	4	3 to 4	-4.7 to -5.7	-4.7	-5.7	T25-SC04-3-4	Silty sand	--	--	--	X		
												4	5	4 to 5	-5.7 to -6.7	-5.7	-6.7	T25-SC04-4-5	Poorly graded sand	X	--	--	X		
												5	6	5 to 6	-6.7 to -7.7	-6.7	-7.7	T25-SC04-5-6	Poorly graded sand	--	--	--	X	X	
												5	5.6	5 to 5.6	-6.7 to -7.3	-6.7	-7.3	T25-SC04-5-5.6	Poorly graded sand	--	--	X	--		
												6	6.7	6 to 6.7	-7.7 to -8.4	-7.7	-8.4	T25-SC04-6-6.7	Silt with decomposed organics	--	--	--	X		
SC-05	3	3/26/2019	1267419	212412	122° 20' 40.1" W	47° 34' 20.2" N	2.0	2.0	100	Y	-10.9	0	1	0 to 1	-13 to -14	-13	-14	T25-SC05-0-1	Silty sand	X	--	--	X		The elevation of this core was deeper than the design subgrade; however for RI characterization purposes, the next interval down will be tested for the parameters that exceeded SMS screening levels (PCBs, TS, TOC).
												1	2	1 to 2	-14 to -15	-14	-15	T25-SC05-1-2	Silty sand and sand	--	--	--	X	X	
SC-06	1	3/26/2019	1267526	212519	122° 20' 38.6" W	47° 34' 21.3" N	4.0	3.4	85	Y	-7.7	0	1	0 to 1	-6 to -7	-6	-7	T25-SC06-0-1 T25-SC56-0-1 (FD)	Silty sand	X	--	--	--		This core was just inside the excavation boundary. The sample interval that contains the Z-layer (-7.7 feet MLLW) will be tested for the parameters that exceeded SMS screening levels in the 0-1 ft interval (SVOCs [BEP, chrysene], PCBs, DFs, TS, TOC).
												1	1.5	1 to 1.5	-7 to -7.5	-7	-7.5	T25-SC06-1-1.5	Poorly graded sand	--	--	--	X		
												1.5	2.5	1.5 to 2.5	-7.5 to -8.5	-7.5	-8.5	T25-SC06-1.5-2.5	Organics (wood fibers)	--	--	--	X	X	
												2.5	3.3	2.5 to 3.3	-8.5 to -9.3	-8.5	-9.3	T25-SC06-2.5-3.3	Organics (wood fibers)	--	--	--	X		
SC-07	1	3/25/2019	1267572	212704	122° 20' 38.0" W	47° 34' 23.1" N	9.5	7.4	78	N	NA	0	1	0 to 1	-21 to -22	-21	-22	T25-SC07-0-1 T25-SC57-0-1 (FD)	Silt	X	--	--	--		This core is outside the excavation boundary and was collected for RI characterization. Anthropogenic debris was found at 3.5 ft, so the first sample in the next lithologic layer, T25-SC07-5-6, was selected for testing. Testing will include the parameters that exceeded SMS screening lev DFs, TS, TOC).
												1	2	1 to 2	-22 to -23	-22	-23	T25-SC07-1-2	Silt	--	--	X	X		
												2	3	2 to 3	-23 to -24	-23	-24	T25-SC07-2-3	Silt	--	--	--	X		
												3	4	3 to 4	-24 to -25	-24	-25	T25-SC07-3-4	Silt	--	--	--	X		
												4	5	4 to 5	-25 to -26	-25	-26	T25-SC07-4-5	Silt	--	--	--	X		
												5	6	5 to 6	-26 to -27	-26	-27	T25-SC07-5-6	Silt with decomposed organics	--	--	--	X	X	
												6	7	6 to 7	-27 to -28	-27	-28	T25-SC07-6-7	Silt with decomposed organics	--	--	--	X		
SC-08	1	3/25/2019	1267625	212882	122° 20' 37.3" W	47° 34' 24.9" N	12.0	10.6	88	N	NA	0	1	0 to 1	-22.5 to -23.5	-22.5	-23.5	T25-SC08-0-1	Silt	X	--	--	--		This core is outside the excavation boundary and was collected for RI characterization. The entire core is silt, and hydrocarbon-like odor was observed at 6 ft. The first interval below the odor, T25-SC08-7-8, was selected for testing. Testing will be include the parameters that exceeded ft interval (SVOCs [PAHs], PCBs, DFs, TS, TOC).
												1	2	1 to 2	-23.5 to -24.5	-23.5	-24.5	T25-SC08-1-2	Silt	--	--	--	X		
												2	3	2 to 3	-24.5 to -25.5	-24.5	-25.5	T25-SC08-2-3	Silt	--	--	--	X		
												3	4	3 to 4	-25.5 to -26.5	-25.5	-26.5	T25-SC08-3-4	Silt	--	--	--	X		
												4	5	4 to 5	-26.5 to -27.5	-26.5	-27.5	T25-SC08-4-5	Silt	--	--	--	X		
												5	6	5 to 6	-27.5 to -28.5	-27.5	-28.5	T25-SC08-5-6	Silt	--	--	--	X		
												6	7	6 to 7	-28.5 to -29.5	-28.5	-29.5	T25-SC08-6-7	Silt	--	--	--	X		
												7	8	7 to 8	-29.5 to -30.5	-29.5	-30.5	T25-SC08-7-8	Silt	--	--	--	X	X	
												8	9	8 to 9	-30.5 to -31.5	-30.5	-31.5	T25-SC08-8-9	Silt	--	--	--	X		
												9	10	9 to 10	-31.5 to -32.5	-31.5	-32.5	T25-SC08-9-10	Silt	--	--	--	X		
SC-09[f]	5[f]	3/24/2019	1267739	212899	122° 20' 35.6" W	47° 34' 25.1" N	2.7	1.5	56	N	NA	0	1	0 to 1	-30.9 to -31.9	-30.9	-31.9	T25-SC09-0-1	Silt	--	--	--	X		This core is outside the excavation boundary and was collected for RI characterization. The entire core is silt. Because of the similar lithology, T25-SC09B-2-3, was selected for testing. Testing will include the parameters that exceeded SMS screening levels in the 0-1 ft interval (mercury
												1	1.5	1 to 1.5	-31.9 to -32.4	-31.9	-32.4	T25-SC09-1-1.5	Silt	--	--	--	X		
	6[f]	3/26/2019	1267749	212874	122° 20' 35.4" W	47° 34' 24.8" N	5.0	4.4	88	N	NA	0	1	0 to 1	-13.8 to -14.8	-13.8	-14.8	T25-SC09B-0-1	Silt	X	--	--	--		
												1	2	1 to 2	-14.8 to -15.8	-14.8	-15.8	T25-SC09B-1-2 T25-SC59B-1-2 (FD)	Silt	--	--	--	X		
												2	3	2 to 3	-15.8 to -16.8	-15.8	-16.8	T25-SC09B-2-3	Silt	--	--	--	X	X	
												3	4	3 to 4	-16.8 to -17.8	-16.8	-17.8	T25-SC09B-3-4	Silt	--	--	--	X		

Notes:

a. Grain size, TS/TOC, metals, SVOCs, PAHs, Total PCB Aroclors, and dioxins/furans

b. TCLP metals, SVOCs, PAHs, PCBs, and TS

c. Grain size, atterberg limits, moisture content, and specific gravity

d. Lab generated composite using equal amount of sediment from individual interval archives

e. insufficient volume for grain size analysis

f. The 5th attempt at location SC-09 was accepted on 3/24/2019 with 56% recovery and samples were archived. An additional 6th attempt was made on 3/26/2019 with improved recovered depth and percent recovery, which replaced the original samples collected.

MLLW: mean lower low water

PAH: polycyclic aromatic hydrocarbon

PCB: polychlorinated biphenyl

SVOC: semivolatile organic carbon

TOC: total organic carbon

TS: total solids

Cell: R19
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Comment:
not hitting design elevation at deepest interval

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Comment:
This interval hits design subgrade
Reply:
I think we should do the next interval.

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Comment:
shallowest sample is below subgrade? speaks to poor bathy or changes since last survey