Table 1
Preliminary Z-Layer Sediment Sample Results - Draft Unvalidated Data

	Sample ID	JF-PDS-01-140829	JF-PDS-2-140823	JF-PDS-3-140816	JF-PDS-4-140812	JF-PDS-5-140816	JF-PDS-6-140805	JF-PDS-7-140719
	Sample Date	08/29/2014	08/23/2014	08/16/2014	08/12/2014	08/16/2014	08/01/2014	07/19/2014
	Dredge Management Unit (DMU)	DMU-5	DMU-4	DMU-3	DMU-2	DMU-3	DMU-1	Coffer Dam
	Depth of Overlying Clean Material (Feet)[1]	4[2]	11	6	8	4[2]	6	16[3]
	Method							
Conventional Parameters (mg/kg)								
Ammonia as nitrogen	E350.1M	--	--	--	--	--	--	**0.21**
Sulfide	SM4500S2D	--	--	--	--	--	--	**172**
Conventional Parameters (pct)								
Total organic carbon	Plumb 1981	**0.93**	**0.694**	**0.659**	**1.64**	**2.4**	**0.841**	**0.231**
Total solids	SM2540G	**63.4**	**70.94**	**68.4**	**58.59**	**56.96**	**65.85**	**79.89**
Total solids (preserved)	SM2540G	--	--	--	--	--	--	**79.94**
Grain Size (pct)								
Gravel	PSEP	**1.0**		**4.1**	**0.4**	**0.3**	**1.5**	**2.9**
Sand, very coarse	PSEP	**1.3**		**1.3**	**1.1**	**0.7**	**5.8**	**4.5**
Sand, coarse	PSEP	**5.5**		**3.2**	**5.5**	**3.2**	**20.1**	**15.8**
Sand, medium	PSEP	**24.3**		**8.5**	**13.1**	**9.1**	**26.1**	**38.3**
Sand, fine	PSEP	**22.1**		**38.5**	**15.6**	**6.3**	**4**	**27.2**
Sand, very fine	PSEP	**14.0**		**28.5**	**17.5**	**12.6**	**9.5**	**5**
Silt, coarse	PSEP	**9.1**		**5.5**	**8.4**	**13.3**	**7.2**	**2.7**
Silt, medium	PSEP	**8.4**		**4.3**	**13.4**	**18.1**	**8**	**1.3**
Silt, fine	PSEP	**6.0**		**2.3**	**10.6**	**18.1**	**6**	**0.7**
Silt, very fine	PSEP	**3.3**		**1**	**3.4**	**5.8**	**2.5**	**0.5**
Clay, coarse	PSEP	**1.7**		**0.8**	**2.1**	**3.2**	**1.6**	**0.3**
Clay, medium	PSEP	**1.0**		**0.6**	**2.2**	**2.1**	**1.1**	**0.2**
Clay, fine	PSEP	**2.4**		**1.6**	**4.5**	**4**	**2.7**	**0.5**
Metals (mg/kg)								
Arsenic	SW6020A		**4**	**5.8**	**8.3**	**11.1**	**6.1**	**2.7**
Cadmium	SW6020A		**0.133 J**	**0.1**	**0.4**	**0.6**	**0.2**	**1.4**
Chromium	SW6020A		**14.2**	**28.3**	**27**	**43**	**25**	**22.7**
Copper	SW6020A		**14.7**	**27.3**	**37.2**	**52**	**30**	**49.4**
Lead	SW6020A		**27.6**	**126**	**93**	**182**	**22.9**	**35.9**
Mercury	SW7471A		**0.0261 J**	**0.01**	**0.11**	**0.15**	**0.07**	**0.06**
Silver	SW6020A		**0.08 J**	0.3 U	**0.4**	**0.4**	**0.3**	**0.4**
Zinc	SW6020A		**45**	**104**	**93**	**134**	**66**	**212**
Semivolatile Organics (µg/kg)								
1,2,4-Trichlorobenzene	SW8270DSIM	--		--	--	--	--	**31**
1,2-Dichlorobenzene	SW8270DSIM	--		--	--		--	**9.6**
1,4-Dichlorobenzene	SW8270DSIM	--			--		--	**41**
2,4-Dimethylphenol	SW8270DSIM	--			--		--	24 U
2-Methylphenol (o-Cresol)	SW8270DSIM	--					--	4.7 U
4-Methylphenol (p-Cresol)	SW8270DSIM	--		--		--	--	**6.8**
Benzoic acid	SW8270D	--	--	--	--	--	--	**150 J**
Benzyl alcohol	SW8270DSIM	--			--	--	--	19 U
bis(2-Ethylhexyl)phthalate	SW8270D	--			--	--	--	**110**
Butylbenzyl phthalate	SW8270DSIM	--	--		--	--	--	4.7 U
Dibenzofuran	SW8270D	--	--	--	--	--	--	19 U
Diethyl phthalate	SW8270DSIM		--	--	--	--	--	19 U
Dimethyl phthalate	SW8270DSIM		--	--	--	--	--	4.7 U
Di-n-butyl phthalate	SW8270D		--	--	--	--	--	**27**
Di-n-octyl phthalate	SW8270D		--	--	--	--	--	19 U
Hexachlorobenzene	SW8270DSIM		--		--	--	--	4.7 U
Hexachlorobutadiene	SW8270DSIM		--		--	--	--	4.7 U
n-Nitrosodiphenylamine	SW8270DSIM		--		--	--	--	4.7 U
Pentachlorophenol	SW8270DSIM			--	--	--	--	**10 J**
Phenol	SW8270DSIM			--	--	--	--	**14**
Polycyclic Aromatic Hydrocarbons (µg/kg)								
2-Methylnaphthalene	SW8270D	--	--	--	--	--	--	**12 J**
Acenaphthene	SW8270D	--	--	--	--	--	--	**11 J**
Acenaphthylene	SW8270D	--	--	--	--	--	--	19 U
Anthracene	SW8270D	--	--	--	--	--	--	19 U
Benzo(a)anthracene	SW8270D	--	--	--	--	--	--	**14 J**
Benzo(a)pyrene	SW8270D	--	--	--	--	--	--	**12 J**
Benzo(b,j,k)fluoranthene	SW8270D	--	--	--	--	--	--	**32 J**
Benzo(g,h,i)perylene	SW8270D	--	--	--	--	--	--	19 U
Chrysene	SW8270D	--	--	--	--	--	--	**20**
Dibenzo(a,h)anthracene	SW8270D	--	--	--	--	--	--	19 U
Fluoranthene	SW8270D	--	--	--	--	--	--	**32**
Fluorene	SW8270D	--	--	--	--	--	--	**6.6 J**
Indeno(1,2,3-c,d)pyrene	SW8270D	--	--	--	--	--	--	**11 J**
Naphthalene	SW8270D	--	--	--	--	--	--	**13 J**
Phenanthrene	SW8270D	--	--	--	--	--	--	**22**
Pyrene	SW8270D	--	--	--	--	--	--	**38**
Total LPAH (SMS) (U = 0)	--	--	--	--	--	--	--	**159 J**
Total HPAH (SMS) (U = 0)	--	--	--	--	--	--	--	**526 J**
PCB Aroclors (µg/kg)								
Aroclor 1016	SW8082A	47 U	9.3 U	9.5 U	10 U	9.6 U	8.9 U	510 U
Aroclor 1221	SW8082A	47 U	9.3 U	9.5 U	10 U	9.6 U	8.9 U	510 U
Aroclor 1232	SW8082A	47 U	9.3 U	9.5 U	10 U	9.6 U	8.9 U	510 U
Aroclor 1242	SW8082A	47 U	9.3 U	9.5 U	10 U	9.6 U	8.9 U	510 U
Aroclor 1248	SW8082A	470 U	93 U	280 U	**360**	240 U	**56**	**3700**
Aroclor 1254	SW8082A	**1300**	**200**	**740**	**300**	**760**	**100**	**8200**
Aroclor 1260	SW8082A	**460**	**52**	**220**	**100**	**180**	**42**	**1700**
Total PCB Aroclors (U = 0)	--	**1560**	**252**	**960**	**760**	**940**	**198**	**13600**
PCB Aroclors (mg/kg-OC)								
Total PCB Aroclors (SMS Marine 2013)	--	**167.7**	**36.31**	**145.7**	**46.3**	**39.2**	**23.5**	--

Notes:

Bold = Detected result

J = Estimated value

U = Compound analyzed, but not detected above detection limit

[1] This z-layer sample was overlain by approximately this depth of clean backfill material.

[2] This z-layer sample was overlain by a minimum (design thickness) 1.5 feet of clean filter material amended with 0.5 percent granular activated carbon and 2.5 feet of rip rap.

[3] This z-layer sample was overlain by approximately 12 feet of clean backfill material, which was then overlain with a minimum (design thickness) 1.5 feet of clean filter material amended with 0.5 percent granular activated carbon and 2.5 feet of rip rap

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Table 2
Jorgensen Forge EAA Sediment Z-Layer Sample Collection Summary

Location ID	Sample ID	Sample Date	Coordinates[1]		Water Depth (feet)	Sample Time	Predicted Tide Elevation (feet MLLW)	Mudline Elevation (feet MLLW)	Overlying Depth of Clean Material (feet)[2]	Analyte List									Summary of Physical Characteristics
			Northing	Easting						Ammonia	Sulfide	SVOCs	PAHs	PCBs	Metals	Total Solids	TOC	Grain Size	
PDS-1 (DMU5)	JF-PDS-1-140829	8/29/2014	195627.7	1275837.8	-19.2	9:30	8.5	-10.7	4[3]	--	--	--	--	X	X	X	X	X	Surface 0 to 2 inches: sandy silt, soupy, wet, olive. Occasional gravel, small amount of sheen. From 2 to 11 inches: sand, multi-colored sand grains, wood debris in jaws of grab. Shell hash at bottom of grab.
PDS-2 (DMU 4)	JF-PDS-2-140823	8/23/2014	195512.6	1275857.2	-18.7	10:15	0.3	-18.4	11.0	--	--	--	--	X	X	X	X	X	Wet, dark gray, multicolored sand. No odor. Small areas of brown silt (does not cover entire surface). Top 0 to 1 inch sandy silt black, gray, multi-colored sand grains present. From 1 to 12 inches: multi-colored sand.
PDS-3 (DMU 3)	JF-PDS-3-140816	8/16/2014	195466.0	1275897.2	-19.7	11:30	8.7	-11.0	6.0	--	--	--	--	X	X	X	X	X	Slight sheen in overlying water. No sheen in sediment. Top 1 cm flocculent brown layer. Below 1 cm: wet, soft, fine sandy silt. Dark gray, no odor. At 5 inches: moist, loose silty sand, dark gray, no odor. Sand grains dark gray, red. Collected 12 inches.
PDS-4 (DMU 2)	JF-PDS-4-140812	8/12/2014	195309.8	1275866.7	-23.7	11:27	0.2	-23.5	8.0	--	--	--	--	X	X	X	X	X	Top 1 to 2 cm: flocculent, wet silt, dark gray, no odor, two shells present. From 2 cm to 12 inches: silt with sand, dark gray, no odor. Some plant matter present (twigs). Sand increases with depth but layer is still silty. Sand grains in bottom of grab contain multi-colored sand grains. Silt pocket is present: gray, low plasticity silt.
PDS-5 (DMU 3)	JF-PDS-5-140816	8/16/2014	195371.2	1275944.3	-17.8	12:20	8.1	-9.7	4[3]	--	--	--	--	X	X	X	X	X	Top 1 to 2 cm flocculent material present, brown. From 2 cm to 4 inches: wet ,soft, dark gray sandy silt. No odor. From 4 to 10 inches: moist, loose, medium dense silt with sand. Pockets of dark dray sand in bottom 2 inches. Sand grains gray and red. Trace organics (roots).
PDS-6 (DMU 1)	JF-PDS-6-140805	8/5/2014	195180.0	1275925.7	-28.8	13:45	8.4	-20.4	6.0	--	--	--	--	X	X	X	X	X	Wet, dark gray, soft, no odor, no debris. Flocculent layer on top 3 inches. Beneath is 3 to 12 inches of sand. Sand grains fine to medium with multi-colored grains (red, green, gray white).
Cofferdam	JF-PDS-7-140719	7/19/2014	195786.0	1275771.5	NC	14:30	NC	-13	16.0	X	X	X	X	X	X	X	X	X	Dark gray, wet, medium to fine sand, minor wood fragments, no odor.

Notes:
NC = Information not collected.
[1] Horizontal Datum: Washington State Plane North American Datum (NAD) 83, North Zone, U.S. Feet.
[2] The z-layer sample location was overlain by a minimum (design thickness) of the shown depth of clean backfill material.
[3] The z-layer sample location was overlain by a minimum (design thickness) 1.5 feet of clean filter material amended with 0.5 percent granular activated carbon and 2.5 feet of rip rap.

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Table 3
Preliminary Shoreline Bank Z-Layer Sediment Sample Results - Draft Unvalidated Data

	Sample ID	JF-PEB-1-140825	JF-PEB-2-140825	JF-PEB-3-140825	JF-PEB-4-140825	JF-PEB-104-140825	JF-PEB-5-140825	JF-PEB-6-140825
	Sample Date	08/25/2014	08/25/2014	08/25/2014	08/25/2014	08/25/2014	08/25/2014	08/25/2014
	Matrix	Soil	Soil	Soil	Soil	Field Duplicate	Soil	Soil
	Elevation[1]	14.9 ft MLLW	14.9 ft MLLW	14.9 ft MLLW	14.9 ft MLLW	14.9 ft MLLW	15.0 ft MLLW	14.9 ft MLLW
	Depth of Overlying Clean Material (Feet)[1]	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	Method							
Conventional Parameters (mg/kg)								
Ammonia as nitrogen	E350.1M	0.1 U	**0.69**	1.08 U	0.09 U	0.11 U	0.1 U	1.15 U
Sulfide	SM4500S2D	1.13 U	1.07 U	**4.08**	**18.9**	**21**	**23.6**	**23.2**
Conventional Parameters (pct)								
Total organic carbon	Plumb 1981	**1.3**	**0.689**	**0.591**	**0.368**	**0.223**	**0.099**	**0.646**
Total solids	SM2540G	**95.22**	**93.14**	**83.06**	**104**	**87.25**	**95.65**	**84.33**
Total solids (preserved)	SM2540G	**86.81**	**91.27**	**76.83**	**84.75**	**87.92**	**91.38**	**77.26**
Grain Size (pct)								
Gravel	PSEP	**52.9**	**28**	**48.9**	**56.3**	**60.5**	**61.7**	**74.2**
Sand, very coarse	PSEP	**8.8**	**3.8**	**9.6**	**10.6**	**9.8**	**10.9**	**5.8**
Sand, coarse	PSEP	**9.2**	**13.5**	**7.4**	**8.6**	**7.2**	**12.2**	**4.6**
Sand, medium	PSEP	**9.7**	**26.8**	**6.5**	**8**	**6.9**	**10.4**	**3.7**
Sand, fine	PSEP	**6.1**	**14**	**5.6**	**6.3**	**5.5**	**2.9**	**2.9**
Sand, very fine	PSEP	**3.8**	**5.2**	**5.9**	**4.4**	**4.1**	**1**	**2.3**
Silt, coarse	PSEP	**2.4**	**2.4**	**3.4**	**0.7**	**1.8**	0.1 U	**2**
Silt, medium	PSEP	**1.8**	**1.8**	**11.9**	**1.9**	**1.5**	0.1 U	**1.7**
Silt, fine	PSEP	**1.7**	**1.3**	**0.1**	**1.4**	**1.2**	0.1 U	**1.4**
Silt, very fine	PSEP	**1.2**	**1.1**	**0.2**	**0.9**	**0.7**	0.1 U	**0.8**
Clay, coarse	PSEP	**0.9**	**0.7**	**0.1**	**0.5**	**0.3**	0.1 U	**0.4**
Clay, medium	PSEP	**0.6**	**0.6**	**0.1**	**0.3**	**0.2**	0.1 U	**0.2**
Clay, fine	PSEP	**1**	**0.8**	**0.3**	**0.3**	**0.2**	0.1 U	**0.2**
Metals (mg/kg)								
Arsenic	SW6020A	**9.9**	**3.8**	**5.8**	**12.9**	**19**	**4.1**	**8**
Cadmium	SW6020A	**1.1**	**0.5**	**0.4**	**0.5**	**0.7**	**0.1**	**0.4**
Chromium	SW6020A	**30**	**23.3**	**629**	**481**	**562**	**54.2**	**1130**
Copper	SW6020A	**96.1**	**27.7**	**90.7**	**95.5**	**135**	**24.3**	**61.2**
Lead	SW6020A	**153**	**26.9**	**107**	**806**	**952**	**68.1**	**6600**
Mercury	SW7471A	**0.04**	**0.03**	**0.005 J**	**0.0138 J**	**0.0183 J**	**0.0091 J**	**0.0222 J**
Silver	SW6020A	**0.2**	**0.116 J**	**0.234 J**	**0.192 J**	**0.3**	**0.068 J**	**0.221 J**
Zinc	SW6020A	**3880**	**184**	**281**	**210**	**234**	**56**	**197**
Semivolatile Organics (µg/kg)								
1,2,4-Trichlorobenzene	SW8270DSIM	14 U	15 U	4.7 U	4.8 U	4.6 U	4.7 U	4.9 U
1,2-Dichlorobenzene	SW8270DSIM	14 U	15 U	4.7 U	4.8 U	4.6 U	4.7 U	4.9 U
1,4-Dichlorobenzene	SW8270DSIM	14 U	15 U	4.7 U	4.8 U	4.6 U	4.7 U	4.9 U
2,4-Dimethylphenol	SW8270DSIM	72 U	73 U	24 U	24 U	23 U	24 U	24 U
2-Methylphenol (o-Cresol)	SW8270DSIM	14 U	15 U	4.7 U	4.8 U	4.6 U	4.7 U	4.9 U
4-Methylphenol (p-Cresol)	SW8270DSIM	14 U	15 U	**40**	**6.2**	**9.3**	4.7 U	**14**
Benzoic acid	SW8270D	**180 J**	580 U	190 U	190 U	180 U	190 U	200 U
Benzyl alcohol	SW8270DSIM	57 U	58 U	19 U	19 U	18 U	19 U	20 U
bis(2-Ethylhexyl)phthalate	SW8270D	140 U	150 U	47 U	48 U	**380**	47 U	49 U
Butylbenzyl phthalate	SW8270DSIM	14 U	15 U	4.7 U	**4.6 J**	4.6 U	4.7 U	4.9 U
Dibenzofuran	SW8270D	57 U	58 U	**11 J**	**31**	**44**	19 U	**11 J**
Diethyl phthalate	SW8270DSIM	57 U	58 U	**23**	**28**	**24**	19 U	20 U
Dimethyl phthalate	SW8270DSIM	14 U	15 U	4.7 U	4.8 U	4.6 U	4.7 U	4.9 U
Di-n-butyl phthalate	SW8270D	**60**	58 U	19 U	**9.6 J**	**13 J**	19 U	**12 J**
Di-n-octyl phthalate	SW8270D	57 U	58 U	19 U	19 U	18 U	19 U	20 U
Hexachlorobenzene	SW8270DSIM	14 U	15 U	4.7 U	4.8 U	4.6 U	4.7 U	4.9 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270DSIM	14 U	15 U	4.7 U	4.8 U	4.6 U	4.7 U	4.9 U
n-Nitrosodiphenylamine	SW8270DSIM	**10 J**	**11 J**	**4.6 J**	**10**	**11**	4.7 U	**14**
Pentachlorophenol	SW8270DSIM	**38 J**	58 U	19 U	19 U	18 U	19 U	20 U
Phenol	SW8270DSIM	14 U	15 U	4.7 U	**7.3**	**9.8**	4.7 U	**9.5**
Polycyclic Aromatic Hydrocarbons (µg/kg)								
2-Methylnaphthalene	SW8270D	**20 J**	58 U	**9.4 J**	**51**	**50**	19 U	**30**
Acenaphthene	SW8270D	57 U	58 U	19 U	**28**	**38**	19 U	20 U
Acenaphthylene	SW8270D	**140**	58 U	19 U	**15 J**	**13 J**	19 U	20 U
Anthracene	SW8270D	**110**	58 U	**18 J**	**58**	**77**	19 U	**13 J**
Benzo(a)anthracene	SW8270D	**730**	58 U	**14 J**	**190**	**190**	19 U	**31**
Benzo(a)pyrene	SW8270D	**520**	58 U	19 U	**190**	**170**	19 U	**52**
Benzo(b,j,k)fluoranthenes	SW8270D	**1300**	120 U	**18 J**	**370**	**380**	38 U	**100**
Benzo(g,h,i)perylene	SW8270D	**210**	58 U	19 U	**110**	**120**	19 U	**59**
Chrysene	SW8270D	**800**	58 U	**31**	**290**	**300**	19 U	**66**
Dibenzo(a,h)anthracene	SW8270D	**77**	58 U	19 U	**34**	**39**	19 U	**16 J**
Fluoranthene	SW8270D	**930**	58 U	**48**	**450**	**480**	**11 J**	**74**
Fluorene	SW8270D	57 U	58 U	19 U	**26**	**45**	19 U	20 U
Indeno(1,2,3-c,d)pyrene	SW8270D	**210**	58 U	19 U	**110**	**93**	19 U	**55**
Naphthalene	SW8270D	57 U	58 U	**13 J**	**60**	**59**	19 U	**28**
Phenanthrene	SW8270D	**150**	**41 J**	**92**	**360**	**470**	**11 J**	**81**
Pyrene	SW8270D	**900**	58 U	**31**	**400**	**440**	**10 J**	**76**
Total HPAH (SMS) (U = 0)	--	**5677**	120 U	**142 J**	**2144**	**2212**	**21 J**	**529 J**
Total LPAH (SMS) (U = 0)	--	**400**	**41 J**	**123 J**	**547 J**	**702 J**	**11 J**	**122 J**
PCB Aroclors (µg/kg)								
Aroclor 1016	SW8082A	44 U	8.9 U	8.8 U	96 U	280 U	8.6 U	49 U
Aroclor 1221	SW8082A	44 U	8.9 U	8.8 U	96 U	280 U	8.6 U	49 U
Aroclor 1232	SW8082A	44 U	8.9 U	8.8 U	96 U	280 U	8.6 U	49 U
Aroclor 1242	SW8082A	44 U	8.9 U	8.8 U	96 U	280 U	8.6 U	49 U
Aroclor 1248	SW8082A	44 U	8.9 U	8.8 U	1900 U	280 U	8.6 U	49 U
Aroclor 1254	SW8082A	**470**	**160**	8.8 U	**11000**	**25000**	**200**	**1300**
Aroclor 1260	SW8082A	**190**	**31**	8.8 U	1200 U	2500 U	**56**	**300 J**
Total PCB Aroclors (U = 0)	--	**660**	**191**	8.8 U	**11000**	**25000**	**256**	**1600 J**

Notes:
Bold = Detected result.
J = Estimated value.
U = Compound analyzed, but not detected above detection limit.
MLLW = Mean lower low water.
[1] The z-layer sampling locations were overlain by a minimum (design thickness) 1.5 feet of clean filter material amended with 0.5 percent granular activated carbon and 2.5 feet of rip rap.

Table 4
Jorgensen Forge EAA Shoreline Bank Z-Layer Sample Collection Summary

Location ID	Sample ID	Sample Date	Coordinates[1]		Sample Time	Shoreline Bank Elevation (feet MLLW)	Overlying Depth of Clean Material (feet)[2]	Analyte List									Summary of Physical Characteristics
			Northing	Easting				Ammonia	Sulfide	SVOCs	PAHs	PCBs	Metals	Total Solids	TOC	Grain Size	
PEB-1	JF-PEB-1-140825	8/25/2014	195783.9	1275811.5	1349	14.9	4.0	X	X	X	X	X	X	X	X	X	Surface: sand, loose gravel, rock, dry, light gray. 0-10 inches: sandy, small rock, dry, light gray, some slag. 10 to 12 inches: sandy, slightly moist, brown. No odor noted.
PEB-2	JF-PEB-2-140825	8/25/2014	195736.1	1275841.1	1355	14.9	4.0	X	X	X	X	X	X	X	X	X	Surface: sand and gravel, loose, dry on top, slightly moist. Below 2 inches: brown and dark gray sand and pebbles. Some woody debris/tree roots (small 2-3 inches long). No odor.
PEB-3	JF-PEB-3-140825	8/25/2014	195684.2	1275870.6	1410	14.9	4.0	X	X	X	X	X	X	X	X	X	Top 2 inches: dry, sandy, loose, rocky. Light brown, gray sand and rock. 2-12 inches: brown, slightly moist loose sand and gravel. Some black angular rocks. Some mottled black and white rocks. No odor.
PEB-4	JF-PEB-4-140825	8/25/2014	195572.1	1275916.8	1058	14.9	4.0	X	X	X	X	X	X	X	X	X	Surface: light gray, sand, gravel, loose, woody debris. 1-12 inches: sand, gravel, slag, slightly moist, woody debris.
PEB-5	JF-PEB-5-140825	8/25/2014	195465.1	1275958.6	1028	15.0	4.0	X	X	X	X	X	X	X	X	X	Surface: loose gravel, sand, smooth rocks (1-2 inches), light gray, very dry, some wood debris. 1-12 inches: sandy, light brown, slightly moist. No odor noted.
PEB-6	JF-PEB-6-140825	8/25/2014	195389.4	1275987.5	955	14.9	4.0	X	X	X	X	X	X	X	X	X	Surface: loose gravel, rock 1-5 inches, light gray, very dry, some woody debris. Some slag. 1-12 inches: light brown, gravelly sand, slightly moist. No odor noted.

Notes:

[1] Horizontal Datum: Washington State Plane North American Datum (NAD) 83, North Zone, U.S. Feet.

[2] The z-layer sampling locations were overlain by a minimum (design thickness) 1.5 feet of clean filter material amended with 0.5 percent granular activated carbon and 2.5 feet of rip rap.

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