

Filename: /Friday Harbor/GIS/WorkPlan2021/ProposedSedSamplingPts date: 6/14/2021

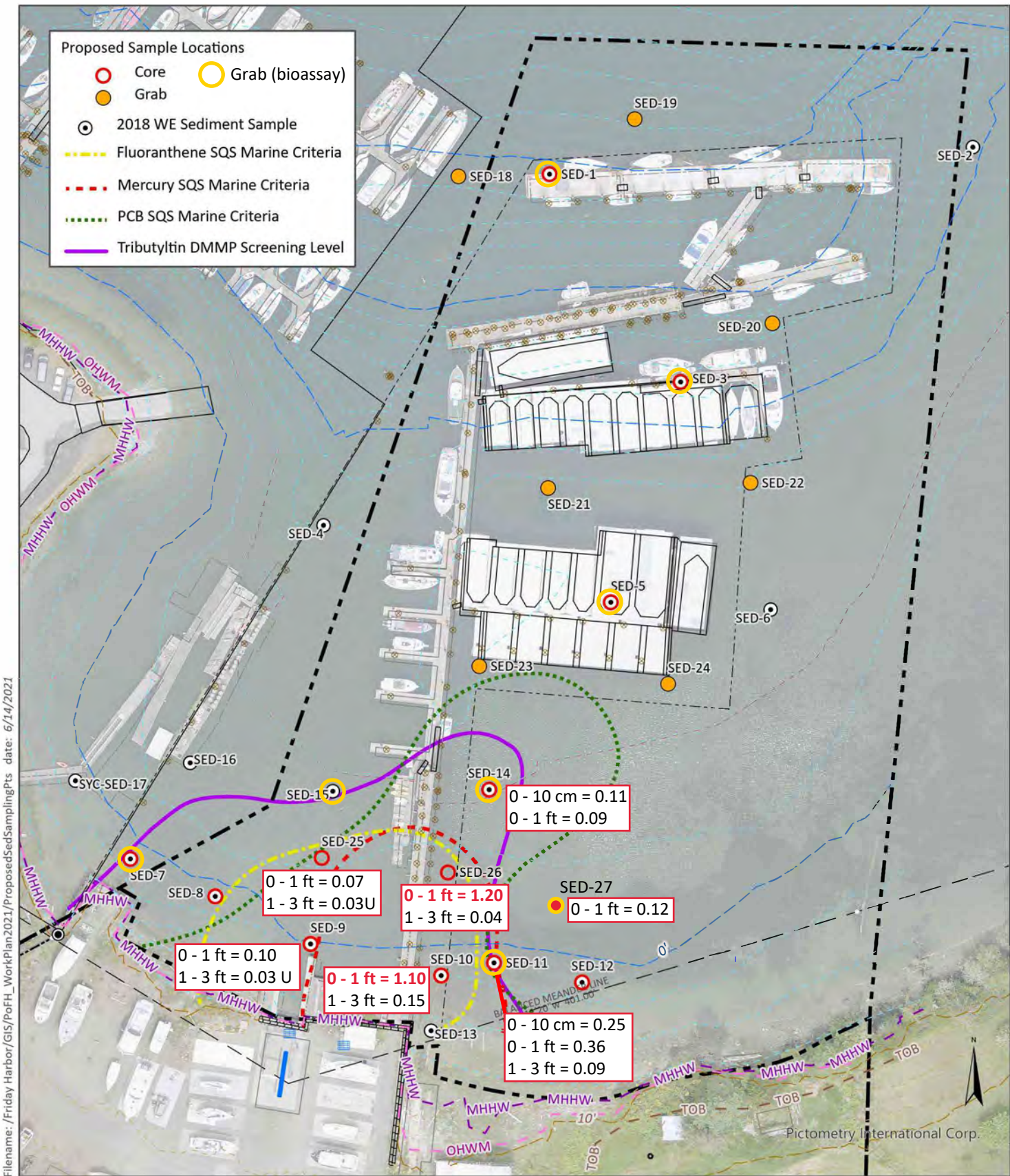
**Port of Friday Harbor
Jensen and Sons Boatyard and Marina**

**In-Water Sampling & Analysis Plan
Figure 3. Sediment Sampling Locations**

Data Sources:
 Leon Environmental, LLC (2021),
 San Juan Surveying (2019), San Juan County (2019),
 Shannon and Wilson, Inc. (2019), Whatcom Environmental (2018)

Preliminary Draft Dioxins/Furans (ng/kg TEQ dw)





Filename: /Friday Harbor/GIS/PoFH_WorkPlan2021/ProposedSedSamplingPts date: 6/14/2021

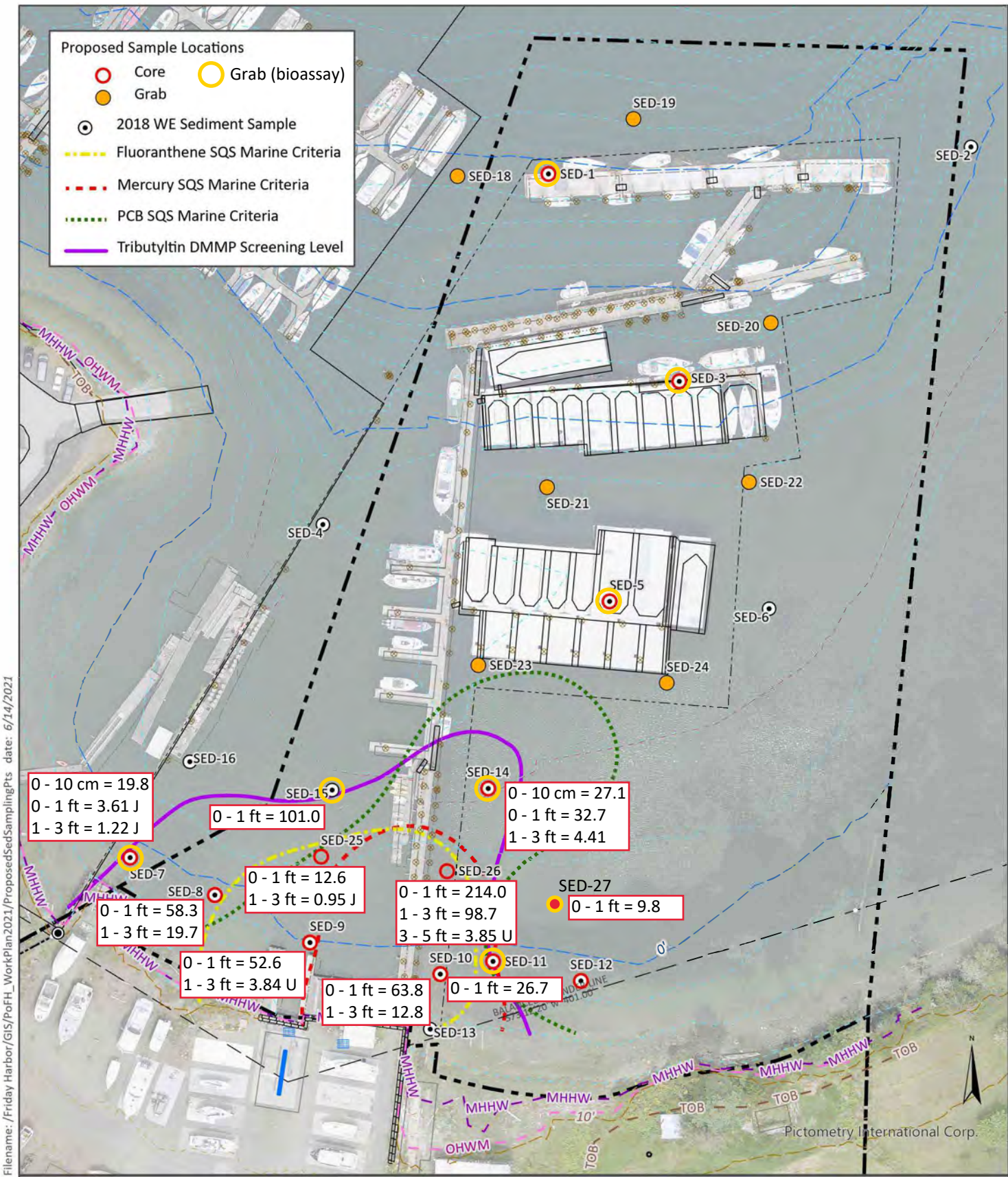
Port of Friday Harbor
Jensen and Sons Boatyard and Marina

In-Water Sampling & Analysis Plan
Figure 3. Sediment Sampling Locations

Data Sources:
Leon Environmental, LLC (2021),
San Juan Surveying (2019), San Juan County (2019),
Shannon and Wilson, Inc. (2019), Whatcom Environmental (2018)

Preliminary Draft Mercury (mg/kg dw)





Filename: /Friday Harbor/GIS/PoFH_WorkPlan2021/ProposedSedSamplingPts date: 6/14/2021

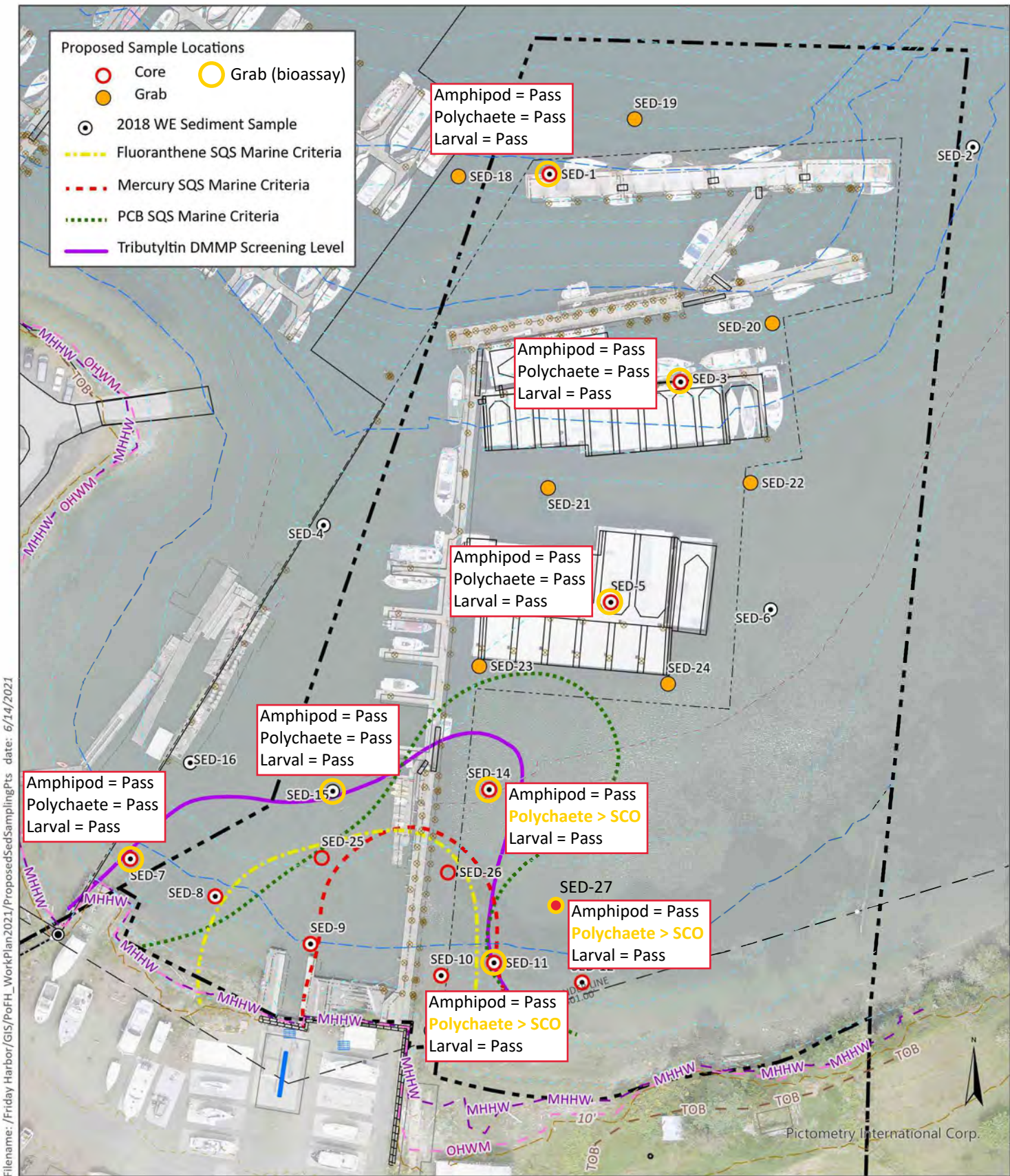
**Port of Friday Harbor
Jensen and Sons Boatyard and Marina**

**In-Water Sampling & Analysis Plan
Figure 3. Sediment Sampling Locations**

Data Sources:
Leon Environmental, LLC (2021),
San Juan Surveying (2019), San Juan County (2019),
Shannon and Wilson, Inc. (2019), Whatcom Environmental (2018)

Preliminary Draft TBT (ug/kg dw)





Filename: /Friday Harbor/GIS/PoFH_WorkPlan2021/ProposedSedSamplingPts date: 6/14/2021

**Port of Friday Harbor
Jensen and Sons Boatyard and Marina**

**In-Water Sampling & Analysis Plan
Figure 3. Sediment Sampling Locations**

Data Sources:
 Leon Environmental, LLC (2021),
 San Juan Surveying (2019), San Juan County (2019),
 Shannon and Wilson, Inc. (2019), Whatcom Environmental (2018)

Preliminary Draft Toxicity Results



Analyte	TEF	SED-7			SED-8			SED-9			SED-10											
		SED-07C:0-1			SED-08C:0-1			SED-08C:1-3			SED-09C:0-1			SED-09C:1-3			SED-10C:0-1			SED-10C:1-3		
		0 - 1 ft			0 - 1 ft			1 - 3 ft			0 - 1 ft			1 - 3 ft			0 - 1 ft			1 - 3 ft		
	Results	TEQ	Q	Results	TEQ	Q	Results	TEQ	Q	Results	TEQ	Q	Results	TEQ	Q	Results	TEQ	Q	Results	TEQ	Q	
Dioxins (ng/Kg)																						
2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)	1	0.66	0.66	NUJ,J	0.32	0.32	NUJ,J	1.00	1.00	U	0.24	0.24	NUJ,J	1.00	1.00	U	0.23	0.23	NUJ,J	1.00	1.00	U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-PeCDD)	1	0.99	0.99	U	3.29	3.29		0.32	0.32	NUJ,J	1.30	1.30		1.00	1.00	U	1.44	1.44	NUJ,J	1.00	1.00	U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-HxCDD)	0.1	0.99	0.10	U	5.04	0.50		0.29	0.03	J	1.73	0.17		1.00	0.10	U	1.39	0.14		0.26	0.03	NUJ,J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,6,7,8-HxCDD)	0.1	1.16	0.12		21.50	2.15		1.38	0.14		13.40	1.34		1.00	0.10	U	7.10	0.71		1.83	0.18	NUJ,J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-HxCDD)	0.1	0.79	0.08	NUJ,J	8.83	0.88		0.88	0.09	J	4.88	0.49		1.00	0.10	U	3.27	0.33	NUJ	0.77	0.08	NUJ,J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)	0.01	31.50	0.32	B	1080.00	10.80	B	57.10	0.57	B	556.00	5.56	B	2.31	0.02	NUJ,J,B	294.00	2.94	B	60.30	0.60	B
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (1,2,3,4,6,7,8,9-OCDD)	0.0003	216.00	0.06	B	7300.00	2.19	E,B	415.00	0.12	B	3810.00	1.14	B	15.00	0.00	B	2470.00	0.74	B	447.00	0.13	B
Furans (ng/Kg)																						
2,3,7,8-Tetrachlorodibenzofuran (2,3,7,8-TCDF)	0.1	0.66	0.07	NUJ,J	2.85	0.29	J	0.91	0.09	NUJ,J	0.93	0.09	J	1.00	0.10	U	0.66	0.07	J	0.20	0.02	NUJ,J
1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-PeCDF)	0.03	0.99	0.03	U	3.06	0.09	NUJ	0.61	0.02	NUJ,J	2.10	0.06		1.00	0.03	U	0.48	0.01	NUJ,J	1.00	0.03	U
2,3,4,7,8-Pentachlorodibenzofuran (2,3,4,7,8-PeCDF)	0.3	0.99	0.30	U	2.83	0.85		0.94	0.28	NUJ,J	1.58	0.47	NUJ	1.00	0.30	U	0.60	0.18	J	1.00	0.30	U
1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-HxCDF)	0.1	0.99	0.10	U	3.98	0.40	NUJ	0.95	0.09	J	2.70	0.27		1.00	0.10	U	1.65	0.17		0.46	0.05	J
1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-HxCDF)	0.1	0.99	0.10	U	2.70	0.27	NUJ	0.87	0.09	NUJ,J	1.59	0.16		1.00	0.10	U	1.07	0.11		0.31	0.03	NUJ,J
1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-HxCDF)	0.1	0.99	0.10	U	1.61	0.16	NUJ	0.48	0.05	NUJ,J	1.78	0.18		1.00	0.10	U	0.35	0.04	J	1.00	0.10	U
2,3,4,6,7,8-Hexachlorodibenzofuran (2,3,4,6,7,8-HxCDF)	0.1	1.01	0.10		4.17	0.42		1.28	0.13		1.94	0.19		1.00	0.10	U	1.59	0.16	NUJ	0.56	0.06	J
1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)	0.01	29.90	0.30	B	60.40	0.60		10.30	0.10	B	36.20	0.36		0.18	0.00	NUJ,J	56.80	0.57		14.90	0.15	
1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)	0.01	0.99	0.01	U	3.22	0.03	NUJ	0.66	0.01	J	1.73	0.02		1.00	0.01	U	2.98	0.03		0.87	0.01	NUJ,J
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (1,2,3,4,6,7,8,9-OCDF)	0.0003	19.30	0.01	B	147.00	0.04		15.70	0.00	B	61.10	0.02		0.15	0.00	J	297.00	0.09		62.30	0.02	
Total TEQ		3.42 NUJ,J,U,B			23.29 NUJ,J,E,B			3.13 NUJ,J,U,B			12.07 NUJ,J,B			3.17 NUJ,J,B,U			7.94 NUJ,J,B			3.78 NUJ,J,B,U		

	SED-11			SED-12			SED-14			SED-25			SED-26			SED-27								
	SED-11C:0-1			SED-11C:1-3			SED-12C:0-1			SED-14C:0-1			SED-25C:0-1			SED-26C:0-1			SED-26C:1-3			SED-27C:0-1		
	0 - 1 ft			1 - 3 ft			0 - 1 ft			0 - 1 ft			0 - 1 ft			1 - 3 ft			0 - 1 ft					
Analyte	Results	TEQ	Q	Results	TEQ	Q	Results	TEQ	Q	Results	TEQ	Q	Results	TEQ	Q	Results	TEQ	Q	Results	TEQ	Q	Results	TEQ	Q
Dioxins (ng/Kg)																								
2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)	0.27	0.27	NUJ,J	1.00	1.00	U	1.00	1.00	U	0.20	0.20	NUJ,J	0.21	0.21	NUJ,J	0.51	0.51	J	1.00	1.00	U	0.99	0.99	U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-PeCDD)	1.91	1.91		0.35	0.35	NUJ,J	1.00	1.00	U	0.72	0.72	J	0.72	0.72	NUJ,J	4.31	4.31		0.17	0.17	NUJ,J	0.69	0.69	NUJ,J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-HxCDD)	1.59	0.16		0.31	0.03	NUJ,J	1.00	0.10	U	0.62	0.06	NUJ,J	0.62	0.06	NUJ,J	4.08	0.41		0.20	0.02	NUJ,J	1.03	0.10	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,6,7,8-HxCDD)	6.87	0.69		1.42	0.14	NUJ,J	0.33	0.03	J	3.57	0.36		2.73	0.27		26.10	2.61		1.31	0.13		4.34	0.43	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-HxCDD)	4.09	0.41		0.76	0.08	NUJ,J	0.11	0.01	NUJ,J	1.95	0.20		1.44	0.14		11.00	1.10		0.69	0.07	NUJ,J	2.92	0.29	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)	206.00	2.06	B	44.40	0.44	B	8.94	0.09	B	95.70	0.96	B	89.00	0.89	B	976.00	9.76	B	44.00	0.44	B	130.00	1.30	B
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (1,2,3,4,6,7,8,9-OCDD)	1470.00	0.44	B	318.00	0.10	B	59.30	0.02	B	761.00	0.23	B	611.00	0.18	B	8660.00	2.60	E,B	368.00	0.11	B	925.00	0.28	B
Furans (ng/Kg)																								
2,3,7,8-Tetrachlorodibenzofuran (2,3,7,8-TCDF)	1.42	0.14		0.24	0.02	J	1.00	0.10	U	1.02	0.10	J	0.37	0.04	J	3.10	0.31	J	1.00	0.10	U	0.70	0.07	NUJ,J
1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-PeCDF)	1.08	0.03		1.00	0.03	U	1.00	0.03	U	0.55	0.02	NUJ,J	0.33	0.01	J	2.65	0.08		1.00	0.03	U	0.44	0.01	J
2,3,4,7,8-Pentachlorodibenzofuran (2,3,4,7,8-PeCDF)	0.84	0.25	J	1.00	0.30	U	1.00	0.30	U	0.49	0.15	J	0.15	0.05	NUJ,J	2.33	0.70		1.00	0.30	U	0.54	0.16	J
1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-HxCDF)	1.73	0.17		0.48	0.05	NUJ,J	1.00	0.10	U	0.98	0.10	NUJ,J	0.59	0.06	J	4.68	0.47		0.48	0.05	NUJ,J	1.34	0.13	NUJ
1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-HxCDF)	1.36	0.14		0.32	0.03	J	1.00	0.10	U	0.90	0.09	J	0.38	0.04	NUJ,J	3.45	0.35		0.33	0.03	J	1.13	0.11	
1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-HxCDF)	0.46	0.05	NUJ,J	1.00	0.10	U	1.00	0.10	U	0.27	0.03	NUJ,J	0.19	0.02	NUJ,J	1.57	0.16	NUJ	1.00	0.10	U	0.99	0.10	U
2,3,4,6,7,8-Hexachlorodibenzofuran (2,3,4,6,7,8-HxCDF)	1.84	0.18		0.47	0.05	NUJ,J	1.00	0.10	U	0.71	0.07	NUJ,J	0.62	0.06	J	5.03	0.50		0.65	0.07	J	1.43	0.14	
1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)	32.60	0.33		11.50	0.12		1.28	0.01		17.50	0.18	B	10.00	0.10		116.00	1.16		12.20	0.12	B	24.90	0.25	B
1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)	1.96	0.02		1.00	0.01	NUJ,J	1.00	0.01	U	0.92	0.01	J	0.58	0.01	NUJ,J	5.85	0.06	NUJ,J	0.67	0.01	NUJ,J	1.59	0.02	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (1,2,3,4,6,7,8,9-OCDF)	95.30	0.03		40.60	0.01		2.92	0.00		32.60	0.01	B	23.20	0.01		554.00	0.17		28.50	0.01	B	51.00	0.02	B
Total TEQ	7.27 NUJ,J,B			2.85 NUJ,J,B,U			3.10 NUJ,J,B,U			3.47 NUJ,J,B			2.86 NUJ,J,B			25.24 NUJ,J,E,B			2.75 NUJ,J,U,B			5.10 NUJ,J,U,B		

Port of Friday Harbor Sediments			SED-3	SED-3	SED-5	SED-5	SED-7	SED-7	SED-8	SED-9	SED-10	SED-11	SED-11	SED-12	SED-14					
Dry-weight data summary			SED-03G	SED-03C	SED-05G	SED-05C	SED-07G	SED-07C	SED-08C	SED-09C	SED-10C	SED-11G	SED-11C	SED-12C	SED-14G					
Analyte	SCO	CSL	DMMP	0 - 10 cm	0 - 1 ft	0 - 10 cm	0 - 1 ft	0 - 10 cm	0 - 1 ft	1 - 3 ft	0 - 1 ft	1 - 3 ft	0 - 1 ft	1 - 3 ft	0 - 10 cm	0 - 1 ft	1 - 3 ft	0 - 1 ft	0 - 10 cm	
Conventional																				
Ammonia (mg/Kg)				4.51		12.00		10.40							13.50				12.70	
Total sulfides (mg/Kg)				259.00 J		262.00 J		89.70 J							204.00 J				170.00 J	
Total Solids (%)				45.94	55.48	51.94	54.83	73.61	81.65	77.08	68.94	72.56	67.96	76.50	77.06	82.83	72.27	67.04	73.76	59.79
Total Organic Carbon (% dry)				1.39	1.52	1.12	1.00	1.37	0.16	0.85	2.89	0.53	1.40	1.75	0.71	2.07	1.26	1.10	0.69	1.26
Metals																				
	mg/kg dw		mg/kg dw																	
Arsenic	57	93	57										3.84	2.57	4.60	4.27	4.16	3.70	2.93	4.04
Cadmium	5.1	6.7	5.1										0.85	0.56	0.44	0.53	0.86	0.94	0.69	1.88
Chromium	260	270	260										10.50	8.16	8.92	7.58	10.50	12.10	8.46	16.50
Copper	390	390	390										47.40	5.27	152.00	24.80	70.90	65.00	17.50	53.20
Lead	450	530	450										10.70	0.84	26.50	15.80	21.60	25.70	52.70	16.40
Mercury	0.41	0.59	0.41										0.10	0.03 U	1.10	0.15	0.25	0.36	0.09	0.11
Silver	6.1	6.1	6.1										1.00 U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Zinc	410	960	410										76.70	13.60	105.00	27.30	102.00	85.20	31.80	64.20
Organometallics																				
	ug/kg dw		ug/kg dw																	
Monobutyltin			---					6.31	4.06 U	4.07 U	10.40	4.07 U	7.19	4.06 U	9.46	4.65		7.32		7.58
Dibutyltin			---					15.60	5.75 U	5.76 U	36.40	3.28 J	37.10	5.75 U	56.10	8.36		23.30		36.70
Tributyltin			73					19.80	3.61 J	1.22 J	58.30	19.70	52.60	3.84 U	63.80	12.80		26.70		27.10
Tetrabutyltin			---					4.98 U	4.97 U	4.98 U	4.97 U	4.98 U	5.00 U	4.98 U	4.92 U	4.99 U		4.98 U		5.00 U
Organics & Chlorinated Organics																				
	ug/kg dw		ug/kg dw																	
2,4-Dimethylphenol	29	29	29	29.00 U	29.00 U	29.00 U	29.00 U	29.00 U	29.00 U		29.00 U		29.00 U	29.00 U	580.00 U	29.00 U	29.00 U	29.00 U	29.00 U	29.00 U
2-Methylphenol	63	63	63	63.00 U	63.00 U	63.00 U	63.00 U	63.00 U	63.00 U		63.00 U		63.00 U	63.00 U	1300.00 U	63.00 U	63.00 U	63.00 U	63.00 U	63.00 U
4-Methylphenol	670	670	670	200.00 U	200.00 U	200.00 U	200.00 U	200.00 U	200.00 U		200.00 U		200.00 U	200.00 U	4000.00 U	200.00 U	200.00 U	200.00 U	200.00 U	200.00 U
Benzoic acid	650	650	650	500.00 U	500.00 U	500.00 U	500.00 U	500.00 U	500.00 U		500.00 U		500.00 E	500.00 E	10000.00 E	500.00 E	500.00 U	500.00 E	500.00 E	500.00 E
Benzyl alcohol	57	73	57	57.00 U	57.00 U	57.00 U	57.00 U	57.00 U	57.00 U		57.00 U		57.00 U	57.00 U	1100.00 U	57.00 U	57.00 U	57.00 U	57.00 U	57.00 U
Pentachlorophenol	360	690	400	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U		50.00 U		50.00 U	50.00 U	1000.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U
Phenol	420	1200	420	100.00 U	100.00 U	100.00 U	100.00 U	100.00 U	100.00 U		100.00 U		100.00 U	100.00 U	2000.00 U	100.00 U	100.00 U	100.00 U	100.00 U	100.00 U
Organics & Chlorinated Organics																				
	ug/kg dw		ug/kg dw																	
1,2,4-Trichlorobenzene	31	51	31	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	4.00 U		4.00 U		5.00 U	4.00 U	200.00 U	4.00 U	10.00 U	4.00 U	5.00 U	10.00 U
1,2-Dichlorobenzene	35	50	35	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U		10.00 U		10.00 U	10.00 U	200.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
1,4-Dichlorobenzene	110	110	110	14.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U		10.00 U		10.00 U	10.00 U	200.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
Dibenzofuran	540	540	540	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U		13.00		11.00	10.00 U	200.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
Hexachlorobenzene	22	70	22	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	2.10 U		2.10 U		4.90	2.10 U	200.00 U	2.10 U	10.00 U	2.10 U	2.10 U	10.00 U
Hexachlorobutadiene	11	120	11	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U		10.00 U		10.00 U	10.00 U	200.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
N-nitrosodiphenylamine	28	40	28	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U		10.00 U		10.00 U	10.00 U	200.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
Phthalates^d																				
	ug/kg dw		ug/kg dw																	
Bis(2-Ethylhexyl)phthalate	1300	1900	1300	180.00	160.00 U	160.00 U	160.00 U	160.00 U	160.00 U		160.00 U		160.00 U	160.00 U	3200.00 U	160.00 U	160.00 U	160.00 U	160.00 U	260.00
Butylbenzyl phthalate	63	900	63	63.00 U	63.00 U	63.00 U	63.00 U	63.00 U	20.00 U		20.00 U		20.00 U	20.00 U	1300.00 U	20.00 U	63.00 U	20.00 U	23.00	63.00 U
Diethyl phthalate	200	>1,200 ^e	200	100.00 U	100.00 U	100.00 U	100.00 U	100.00 U	100.00 U		100.00 U		100.00 U	100.00 U	2000.00 U	100.00 U	100.00 U	100.00 U	100.00 U	100.00 U
Dimethyl phthalate	71	160	71	71.00 U	71.00 U	71.00 U	71.00 U	71.00 U	71.00 U		71.00 U		71.00 U	71.00 U	1400.00 U	71.00 U	71.00 U	71.00 U	71.00 U	71.00 U
Di-n-butyl phthalate	1400	1400	1400	100.00 U	100.00 E	100.00 E	100.00 E	100.00 E	100.00 E		100.00 E		100.00 U	100.00 U	2000.00 U	100.00 U	100.00 E	100.00 U	100.00 U	100.00 U
Di-n-octyl phthalate	6200	6200	6200	100.00 U	100.00 U	100.00 U	100.00 U	100.00 U	100.00 U		100.00 U		100.00 U	100.00 U	2000.00 U	100.00 U	100.00 U	100.00 U	100.00 U	100.00 U
PCBs																				
	ug/kg dw		ug/kg dw																	
Total Aroclor ^g	130	1000	130								67.00 U		41.70 U	28.00 U	630.00 U,E	50.00 U	87.00 U	118.00 U	37.30 U	28.70 U
Polycyclic Aromatic Hydrocarbons																				
	ug/kg dw		ug/kg dw																	
Total LPAH	5200	5200	5200	93.20	107.40	99.50	63.10	66.00	36.90		477.00		1214.90	14.20	477.00	61.80	198.00	212.50	78.10	153.80
2-Methylnaphthalene	670	670	670	7.30	8.10	6.10	7.60	3.50	2.40		12.00		16.00	2.00 U	40.00 U	2.80	3.80	7.40	3.60	6.90
Acenaphthene	500	500	500	4.60	5.10	3.40	2.60	2.50	2.00 U		19.00		15.00	2.00 U	40.00 U	2.00 U	6.90 U	13.00	6.70	5.40
Acenaphthylene	1300	1300	560	5.30	6.10	5.00	3.30	2.90	2.00 U		12.00		6.90	2.00 U	40.00 U	3.60	5.50	5.40	3.30	5.10
Anthracene	960	960	960	20.00	28.00	17.00	14.00	15.00	7.50		50.00		35.00	2.00 U	67.00	8.10	33.00	45.00	13.00	33.00
Fluorene	540	540	540	8.30	10.00	7.30	6.50	4.50	2.60		26.00		22.00	2.10	40.00 U	3.80	9.10	13.00	6.70	13.00
Naphthalene	2100	2100	2100	5.00	6.20	3.80	3.70	2.10	2.80		10.00		36.00	2.00 U	40.00 U	4.30	3.50	6.10	4.40	4.30
Phenanthrene	1500	1500	1500	50.00	52.00	63.00	33.00	39.00	20.00		360.00		1100.00	4.10	250.00	40.00	140.00	130.00	44.00	93.00
Total HPAH	12000	17000	12000	1286.80	1920.20	1254.00	856.10	997.30	780.00		4830.00		1974.00	21.40	2624.00	585.80	2453.00	2230.00	609.90	1744.00
Benz[a]anthracene	1300	1600	1300	87.00	110.00	76.00	59.00	71.00	28.00		250.00		140.00	2.00 U	220.00	50.00	170.00	180.00	48.00	160.00
Benzo[a]pyrene	1600	1600	1600	120.00	160.00	82.00	66.00	65.00	120.00		280.00		140.00	2.00 U	260.00	67.00	180.00	220.00	58.00	160.00
Benzo[g,h,i]perylene	670	720	670	25.00	22.00	16.00	12.00	13.00	50.00		48.00		34.00	2.00 U	55.00	18.00	40.00	60.00	15.00	46.00
Chrysene	1400	2800	1400	190.00	200.00	160.00	130.00	170.00	70.00		580.00		300.00	2.00 U	300.00	59.00	320.00	270.00	58.00	280.00
Dibenzo[a,h]anthracene	230	230	230																	

Port of Friday Harbor Sediments			SED-14	SED-14	SED-15	SED-23	SED-24	SED-25	SED-26	SED-27					
Dry-weight data summary			SED-14G	SED-14C	SED-15G	SED-23G	SED-24G	SED-25C	SED-26C	SED-27C					
Analyte	AETs ^{c,d}		0 - 10 cm			0 - 10 cm			0 - 10 cm			0 - 10 cm			
	SCO	CSL	DMMPP	0 - 10 cm	0 - 1 ft	1 - 3 ft	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 1 ft	1 - 3 ft	0 - 1 ft	1 - 3 ft	3 - 5 ft	0 - 1 ft
Conventionals															
Ammonia (mg/Kg)				12.70				4.65							
Total sulfides (mg/Kg)				170.00 J				146.00 J							
Total Solids (%)				54.58	68.13	67.96		61.15	40.27	43.07	75.95	77.79	60.95	74.64	78.85
Total Organic Carbon (% dry)				1.20	0.74	0.66		1.12	1.79	1.61	0.49	0.18	1.47	0.43	0.20 J
Metals															
	mg/kg dw		mg/kg dw												
Arsenic	57	93	57	4.04	2.65				2.65	2.03	6.99	1.94			
Cadmium	5.1	6.7	5.1	1.88	1.86				1.34	1.34	1.38	1.38			
Chromium	260	270	260	16.50	11.80				8.80	6.57	15.00	7.29			
Copper	390	390	390	53.20	31.40				26.60	8.92	259.00	18.30			
Lead	450	530	450	16.40	14.20				8.70	2.90	27.10	3.58			
Mercury	0.41	0.59	0.41	0.11	0.09				0.07	0.03 U	1.20	0.04			0.12
Silver	6.1	6.1	6.1	1.00 U	1.00 U				1.00 U	1.00 U	1.00 U	1.00 U			
Zinc	410	960	410	64.20	46.00				30.80	16.60	74.20	19.00			
Organometallics															
	ug/kg dw		ug/kg dw												
Monobutyltin			---	7.58	5.30	4.07 U			2.13 J	4.07 U	40.60	4.81	1.97 J	4.35	
Dibutyltin			---	36.70	22.40	2.87 J			8.47	5.77 U	216.00	20.30	5.77 U	6.84	
Tributyltin			73	27.10	32.70	4.41			12.60	0.952 J	214.00	98.70	3.85 U	9.84	
Tetrabutyltin			---	5.00 U	5.00 U	4.99 U			5.00 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	
Organics & Chlorinated Organics															
	ug/kg dw		ug/kg dw												
2,4-Dimethylphenol	29	29	29	29.00 U	29.00 U	29.00 U			29.00 U	29.00 U	29.00 U	29.00 U			
2-Methylphenol	63	63	63	63.00 U	63.00 U	63.00 U			63.00 U	63.00 U	63.00 U	63.00 U			
4-Methylphenol ^f	670	670	670	200.00 U	200.00 U	200.00 U			200.00 U	200.00 U	200.00 U	200.00 U			
Benzoic acid	650	650	650	500.00 E	500.00 E	500.00 E			500.00 E	500.00 E	500.00 U	500.00 E			
Benzyl alcohol	57	73	57	57.00 U	57.00 U	57.00 U			57.00 U	57.00 U	57.00 U	57.00 U			
Pentachlorophenol	360	690	400	50.00 U	50.00 U	50.00 U			50.00 U	50.00 U	50.00 U	50.00 U			
Phenol	420	1200	420	100.00 U	100.00 U	100.00 U			100.00 U	100.00 U	100.00 U	100.00 U			
Organics & Chlorinated Organics															
	ug/kg dw		ug/kg dw												
1,2,4-Trichlorobenzene	31	51	31	10.00 U	10.00 U	10.00 U			4.00 U	4.00 U	4.00 U	4.00 U			
1,2-Dichlorobenzene	35	50	35	10.00 U	10.00 U	10.00 U			10.00 U	10.00 U	10.00 U	10.00 U			
1,4-Dichlorobenzene	110	110	110	10.00 U	10.00 U	10.00 U			10.00 U	10.00 U	10.00 U	10.00 U			
Dibenzofuran	540	540	540	10.00 U	10.00 U	10.00 U			10.00 U	10.00 U	10.00 U	10.00 U			
Hexachlorobenzene	22	70	22	10.00 U	10.00 U	10.00 U			2.10 U	2.10 U	2.10 U	2.10 U			
Hexachlorobutadiene	11	120	11	10.00 U	10.00 U	10.00 U			10.00 U	10.00 U	10.00 U	10.00 U			
N-nitrosodiphenylamine	28	40	28	10.00 U	10.00 U	10.00 U			10.00 U	10.00 U	10.00 U	10.00 U			
Phthalates^d															
	ug/kg dw		ug/kg dw												
Bis(2-Ethylhexyl)phthalate	1300	1900	1300	260.00 U	160.00 U	160.00 U			160.00 U	160.00 U	160.00 U	160.00 U			
Butylbenzyl phthalate	63	900	63	63.00 U	63.00 U	63.00 U			20.00 U	20.00 U	20.00 U	20.00 U			
Diethyl phthalate	200	>1,200 ^e	200	100.00 U	100.00 U	100.00 U			100.00 U	100.00 U	100.00 U	100.00 U			
Dimethyl phthalate	71	160	71	71.00 U	71.00 U	71.00 U			71.00 U	71.00 U	71.00 U	71.00 U			
Di-n-butyl phthalate	1400	1400	1400	100.00 U	100.00 U	100.00 U			100.00 U	100.00 U	100.00 E	100.00 U			
Di-n-octyl phthalate	6200	6200	6200	100.00 U	100.00 U	100.00 U			100.00 U	100.00 U	100.00 U	100.00 U			
PCBs															
	ug/kg dw		ug/kg dw												
Total Aroclor ^g	130	1000	130	40.00 U	42.60 U	28.40 U			63.40 U	61.00 U	29.90 U	28.40 U	384.00 U,E	39.00 U	43.20 U
Polycyclic Aromatic Hydrocarbons															
	ug/kg dw		ug/kg dw												
Total LPAH	5200	5200	5200	153.80	123.50	32.50			313.60	14.10	165.30	21.90			
2-Methylnaphthalene	670	670	670	6.90	4.50	4.50			12.00	2.00 U	9.90	2.10			
Acenaphthene	500	500	500	5.40	5.10	2.70			4.10	2.00 U	8.30	2.00 U			
Acenaphthylene	1300	1300	560	5.10	2.90	2.00 U			7.50	2.00 U	11.00	2.00 U			
Anthracene	960	960	960	33.00	18.00	4.50			51.00	2.00 U	28.00	2.90			
Fluorene	540	540	540	13.00	7.60	3.50			20.00	2.00 U	12.00	2.00 U			
Naphthalene	2100	2100	2100	4.30	2.90	2.80			11.00	2.00 U	15.00	2.00 U			
Phenanthrene	1500	1500	1500	93.00	87.00	17.00			220.00	4.10	91.00	11.00			
Total HPAH	12000	17000	12000	1744.00	982.00	311.70			1833.90	60.90	2904.00	294.10			
Benz[a]anthracene	1300	1600	1300	160.00	65.00	15.00			150.00	5.10	160.00	14.00			
Benzo[a]pyrene	1600	1600	1600	160.00	73.00	15.00			200.00	4.70	260.00	31.00			
Benzo[g,h,i]perylene	670	720	670	46.00	21.00	4.00			40.00	2.00	51.00	8.30			
Chrysene	1400	2800	1400	280.00	130.00	19.00			190.00	6.80	310.00	30.00			
Dibenzo[a,h]anthracene	230	230	230	14.00	6.00	14.00 U			8.90	2.00 U	16.00	2.80			
Fluoranthene	1700	2500	1700	260.00	220.00	38.00			360.00	11.00	470.00	49.00			
Indeno[1,2,3-c,d]pyrene	600	690	600	54.00	24.00	4.70			46.00	2.00 U	67.00	11.00			
Pyrene	2600	3300	2600	290.00	220.00	52.00			450.00	13.00	810.00	71.00			
Total benzofluoranthenes	3200	3600	3200	480.00	223.00	150.00			389.00	14.30	760.00	77.00			
Dioxins/Furans															
	ng/kg TEQ dw		ug/kg dw												
Dioxins/Furans ^h	5	5	5200		3.47 NUJ, J,B				2.86 NUJ, J,B		25.24 NUJ, J,E,B	2.75 NUJ, J,U,B			5.099 NUJ, J,U,B

Port of Friday Harbor Sediments			SED-3	SED-3	SED-5	SED-5	SED-7	SED-7	SED-8	SED-9	SED-10	SED-11	SED-11	SED-12			
OC-normalized data summary			SED-03G	SED-03C	SED-05G	SED-05C	SED-07G	SED-07C	SED-08C	SED-09C	SED-10C	SED-11G	SED-11C	SED-12C			
Analyte	SCO	CSL	0 - 10 cm	0 - 1 ft	0 - 10 cm	0 - 1 ft	0 - 10 cm	0 - 1 ft	0 - 1 ft	0 - 1 ft	1 - 3 ft	0 - 1 ft	1 - 3 ft	0 - 10 cm	0 - 1 ft	1 - 3 ft	0 - 1 ft
Conventionals																	
Ammonia (mg/Kg)			4.51		12.00		10.40							13.50			
Total sulfides (mg/Kg)			259.00 J		262.00 J		89.70 J							204.00 J			
Total Solids (%)			45.94	55.48	51.94	54.83	73.61	81.65	68.94	67.96	76.50	77.06	82.83	72.27	67.04	73.76	59.79
Total Organic Carbon (% dry)			1.39	1.52	1.12	1.00	1.37	0.16	2.89	1.40	1.75	0.71	2.07	1.26	1.10	0.69	1.26
Organics & Chlorinated Organics																	
mg/kg OC																	
1,2,4-Trichlorobenzene	0.81	1.8	0.72 U	0.66 U	0.89 U	1.00 U	0.73 U	2.50 U	0.14 U	0.36 U	0.23 U	28.17 U	0.19 U	0.79 U	0.36 U	0.72 U	
1,2-Dichlorobenzene	2.3	2.3	0.72 U	0.66 U	0.89 U	1.00 U	0.73 U	6.25 U	0.35 U	0.71 U	0.57 U	28.17 U	0.48 U	0.79 U	0.91 U	1.45 U	
1,4-Dichlorobenzene	3.1	9	1.01	0.66 U	0.89 U	1.00 U	0.73 U	6.25 U	0.35 U	0.71 U	0.57 U	28.17 U	0.48 U	0.79 U	0.91 U	1.45 U	
Dibenzofuran	15	58	0.72 U	0.66 U	0.89 U	1.00 U	0.73 U	6.25 U	0.45	0.79	0.57 U	28.17 U	0.48 U	0.79 U	0.91 U	1.45 U	
Hexachlorobenzene	0.38	2.3	0.72 U	0.66 U	0.89 U	1.00 U	0.73 U	1.31 U	0.07 U	0.35	0.12 U	28.17 U	0.10 U	0.79 U	0.19 U	0.30 U	
Hexachlorobutadiene	3.9	6.2	0.72 U	0.66 U	0.89 U	1.00 U	0.73 U	6.25 U	0.35 U	0.71 U	0.57 U	28.17 U	0.48 U	0.79 U	0.91 U	1.45 U	
N-nitrosodiphenylamine	11	11	0.72 U	0.66 U	0.89 U	1.00 U	0.73 U	6.25 U	0.35 U	0.71 U	0.57 U	28.17 U	0.48 U	0.79 U	0.91 U	1.45 U	
Phthalates^d																	
mg/kg OC																	
Bis(2-Ethylhexyl)phthalate	47	78	12.95	10.53 U	14.29 U	16.00 U	11.68 U	100.00 U	5.54 U	11.43 U	9.14 U	450.70 U	7.73 U	12.70 U	14.55 U	23.19 U	
Butylbenzyl phthalate	4.9	64	4.53 U	4.14 U	5.63 U	6.30 U	4.60 U	12.50 U	0.69 U	1.43 U	1.14 U	183.10 U	0.97 U	5.00 U	1.82 U	3.33	
Diethyl phthalate	61	110	7.19 U	6.58 U	8.93 U	10.00 U	7.30 U	62.50 U	3.46	7.14 U	5.71 U	281.69 U	4.83 U	7.94 U	9.09 U	14.49 U	
Dimethyl phthalate	53	53	5.11 U	4.67 U	6.34 U	7.10 U	5.18 U	44.38 U	2.46 U	5.07 U	4.06 U	197.18 U	3.43 U	5.63 U	6.45 U	10.29 U	
Di-n-butyl phthalate	220	1700	7.19 U	6.58 E	8.93 E	10.00 E	7.30 E	62.50 U	3.46 E	7.14 U	5.71 U	281.69 U	4.83 U	7.94 E	9.09 U	14.49 U	
Di-n-octyl phthalate	58	4500	7.19 U	6.58 U	8.93 U	10.00 U	7.30 U	62.50 U	3.46 U	7.14 U	5.71 U	281.69 U	4.83 U	7.94 U	9.09 U	14.49 U	
PCBs																	
mg/kg OC																	
Total Aroclor ^g	12	65							2.32 U	2.98 U	1.60 U	88.73 U,E	2.42 U	6.90 U	10.73 U	5.41 U	2.28 U
Polycyclic Aromatic Hydrocarbons																	
mg/kg OC																	
Total LPAH	370	780	6.71	7.07	8.88	6.31	4.82	23.06	16.51	86.78	0.81	67.18	2.99	15.71	19.32	11.32	
2-Methylnaphthalene	38	64	0.53	0.53	0.54	0.76	0.26	1.50	0.42	1.14	0.11 U	5.63 U	0.14	0.30	0.67	0.52	
Acenaphthene	16	57	0.33	0.34	0.30	0.26	0.18	1.25 U	0.66	1.07	0.11 U	5.63 U	0.10 U	0.55 U	1.18	0.97	
Acenaphthylene	66	66	0.38	0.40	0.45	0.33	0.21	1.25 U	0.42	0.49	0.11 U	5.63 U	0.17	0.44	0.49	0.48	
Anthracene	220	1200	1.44	1.84	1.52	1.40	1.09	4.69	1.73	2.50	0.11 U	9.44	0.39	2.62	4.09	1.88	
Fluorene	23	79	0.60	0.66	0.65	0.65	0.33	1.63	0.90	1.57	0.12	5.63 U	0.18	0.72	1.18	0.97	
Naphthalene	99	170	0.36	0.41	0.34	0.37	0.15	1.75	0.35	2.57	0.11 U	5.63 U	0.21	0.28	0.55	0.64	
Phenanthrene	100	480	3.60	3.42	5.63	3.30	2.85	12.50	12.46	78.57	0.23	35.21	1.93	11.11	11.82	6.38	
Total HPAH	960	5300	92.58	126.33	111.96	85.61	72.80	487.50	167.13	141.00	1.22	369.58	28.30	194.68	202.73	88.39	
Benz[a]anthracene	110	270	6.26	7.24	6.79	5.90	5.18	17.50	8.65	10.00	0.11 U	30.99	2.42	13.49	16.36	6.96	
Benzo[a]pyrene	99	210	8.63	10.53	7.32	6.60	4.74	75.00	9.69	10.00	0.11 U	36.62	3.24	14.29	20.00	8.41	
Benzo[g,h,i]perylene	31	78	1.80	1.45	1.43	1.20	0.95	31.25	1.66	2.43	0.11 U	7.75	0.87	3.17	5.45	2.17	
Chrysene	110	460	13.67	13.16	14.29	13.00	12.41	43.75	20.07	21.43	0.11 U	42.25	2.85	25.40	24.55	8.41	
Dibenzo[a,h]anthracene	12	33	0.63	0.54	0.45	0.41	0.31	9.38	0.52	0.93	0.11 U	5.63 U	0.23	0.95	1.64	0.57	
Fluoranthene	160	1200	10.79	13.82	21.43	12.00	15.33	31.25	48.44	29.29	0.14	76.06	5.31	43.65	32.73	17.39	
Indeno[1,2,3-c,d]pyrene	34	88	2.52	1.97	1.88	1.60	1.31	36.88	2.32	3.36	0.11 U	9.72	1.01	4.05	6.55	2.61	
Pyrene	1000	1400	25.18	39.47	27.68	20.00	14.60	49.38	44.98	34.29	0.17	80.28	6.76	41.27	40.00	23.19	
Total benzofluoranthenes	230	450	23.09	38.16	30.71	24.90	17.96	193.13	30.80	29.29	0.23	80.28	5.60	48.41	55.45	18.70	

a, Row 25 through Row 38, Row 47, and Row 52 through Row 70 values are organic carbon-normalized and in mg/kg.

b, Marine values are dry weight normalized for metals and polar organics and normalized to total organic carbon for nonpolar organics.

c, When total organic carbon is outside the range of 0.5 – 3.5%, Ecology may compare to both the TOC normalized criteria and the dry-weight AET values. When total organic carbon values are > 5%, analysis of total volatile solids is recommended.

d, Dry weight AETs for phthalates are derived from Barrick et.al, 1988. The SCO is established as the lowest AET and the CSL is the 2nd lowest AET, consistent with the dry weight AETs for the other SMS chemicals.

e, "greater than" value indicates that the upper bound toxicity level is unknown, but is known to be above the concentration shown.

f, 3-methylphenol and 4-methylphenol may not be able to be separated. In this case 4-methylphenol may be reported as the sum of the 3- and 4-methylphenol isomers. See Appendix N for more detail.

g, Upon approval by Ecology on a case-by-case basis, Total PCB congeners may be used as a direct substitute for Total PCB Aroclors to verify compliance with the CSL benthic criteria (i.e., the sum of Total congeners value can substitute for the sum of Total Aroclors), but not the SCO benthic criteria. If the benthic SCO is exceeded, bioassays should be analyzed.

Port of Friday Harbor Sediments		SED-14	SED-14		SED-23	SED-24	SED-25		SED-26		SED-27	SED-27	
OC-normalized data summary		SMS ^b	SED-14G	SED-14C		SED-23G	SED-24G	SED-25C		SED-26C	SED-27G	SED-27C	
Analyte	SCO	CSL	0 - 10 cm	0 - 1 ft	1 - 3 ft	0 - 10 cm	0 - 10 cm	0 - 1 ft	1 - 3 ft	0 - 1 ft	1 - 3 ft	0 - 10 cm	0 - 1 ft
Conventionals													
Ammonia (mg/Kg)			12.70									5.63	
Total sulfides (mg/Kg)			170.00 J									86.40	
Total Solids (%)			54.58	68.13	67.96	40.27	43.07	75.95	77.79	60.95	74.64		71.93
Total Organic Carbon (% dry)			1.20	0.74	0.66	1.79	1.61	0.49	0.18	1.47	0.43		0.52 J
Organics & Chlorinated Organics													
mg/kg OC													
1,2,4-Trichlorobenzene	0.81	1.8	0.83 U	1.35 U	1.52 U			0.82 U	2.22 U	0.27 U	0.93 U		
1,2-Dichlorobenzene	2.3	2.3	0.83 U	1.35 U	1.52 U			2.04 U	5.56 U	0.68 U	2.33 U		
1,4-Dichlorobenzene	3.1	9	0.83 U	1.35 U	1.52 U			2.04 U	5.56 U	0.68 U	2.33 U		
Dibenzofuran	15	58	0.83 U	1.35 U	1.52 U			2.04 U	5.56 U	0.68 U	2.33 U		
Hexachlorobenzene	0.38	2.3	0.83 U	1.35 U	1.52 U			0.43 U	1.17 U	0.14 U	0.49 U		
Hexachlorobutadiene	3.9	6.2	0.83 U	1.35 U	1.52 U			2.04 U	5.56 U	0.68 U	2.33 U		
N-nitrosodiphenylamine	11	11	0.83 U	1.35 U	1.52 U			2.04 U	5.56 U	0.68 U	2.33 U		
Phthalates^d													
mg/kg OC													
Bis(2-Ethylhexyl)phthalate	47	78	21.67	21.62 U	24.24 U			32.65 U	88.89 U	10.88 U	37.21 U		
Butylbenzyl phthalate	4.9	64	5.25 U	8.51 U	9.55 U			4.08 U	11.11 U	1.36 U	4.65 U		
Diethyl phthalate	61	110	8.33 U	13.51	15.15 U			20.41 U	55.56 U	6.80 U	23.26 U		
Dimethyl phthalate	53	53	5.92 U	9.59 U	10.76 U			14.49 U	39.44 U	4.83	16.51 U		
Di-n-butyl phthalate	220	1700	8.33 U	13.51 U	15.15 U			20.41 U	55.56 U	6.80 E	23.26 U		
Di-n-octyl phthalate	58	4500	8.33 U	13.51 U	15.15 U			20.41 U	55.56 U	6.80 U	23.26 U		
PCBs													
mg/kg OC													
Total Aroclor ^g	12	65	3.33 U	5.76 U	4.30 U	3.54 U	3.79 U	6.10 U	15.78 U	26.12 U,E	9.07 U		10.05 U
Polycyclic Aromatic Hydrocarbons													
mg/kg OC													
Total LPAH	370	780	12.82	16.69	4.92			64.00	7.83	11.24	5.09		
2-Methylnaphthalene	38	64	0.58	0.61	0.68			2.45	1.11 U	0.67	0.49		
Acenaphthene	16	57	0.45	0.69	0.41			0.84	1.11 U	0.56	0.47 U		
Acenaphthylene	66	66	0.43	0.39	0.30 U			1.53	1.11 U	0.75	0.47 U		
Anthracene	220	1200	2.75	2.43	0.68			10.41	1.11 U	1.90	0.67		
Fluorene	23	79	1.08	1.03	0.53			4.08	1.11 U	0.82	0.47 U		
Naphthalene	99	170	0.36	0.39	0.42			2.24	1.11 U	1.02	0.47 U		
Phenanthrene	100	480	7.75	11.76	2.58			44.90	2.28	6.19	2.56		
Total HPAH	960	5300	145.33	132.70	47.23			374.27	33.83	197.55	68.40		
Benz[a]anthracene	110	270	13.33	8.78	2.27			30.61	2.83	10.88	3.26		
Benzo[a]pyrene	99	210	13.33	9.86	2.27			40.82	2.61	17.69	7.21		
Benzo[g,h,i]perylene	31	78	3.83	2.84	0.61			8.16	1.11	3.47	1.93		
Chrysene	110	460	23.33	17.57	2.88			38.78	3.78	21.09	6.98		
Dibenzo[a,h]anthracene	12	33	1.17	0.81	2.12 U			1.82	1.11 U	1.09	0.65		
Fluoranthene	160	1200	21.67	29.73	5.76			73.47	6.11	31.97	11.40		
Indeno[1,2,3-c,d]pyrene	34	88	4.50	3.24	0.71			9.39	1.11 U	4.56	2.56		
Pyrene	1000	1400	24.17	29.73	7.88			91.84	7.22	55.10	16.51		
Total benzofluoranthenes	230	450	40.00	30.14	22.73			79.39	7.94	51.70	17.91		

		SED-08		SED-09			SED-10			SED-11			SED-12		SED-14			SED-23		SED-24											
		SED-08C		SED-09C			SED-10C			SED-11G		SED-11C	SED-12C		SED-14G		SED-14C		SED-23G		SED-24G										
		0 - 1 ft		0 - 1 ft		1 - 3 ft		0 - 1 ft		1 - 3 ft		0 - 10 cm		0 - 1 ft		1 - 3 ft		0 - 10 cm		0 - 10 cm											
CHEMICAL PARAMETER	CAS	Result	Q	Result	Q	Results	Q	Result	Q	Results	Q	Result	Q	Results	Q	Result	Q	Results	Q	Results	Q										
PCB Aroclors µg/kg dw (ppb dw)																															
Aroclor 1016	12674-11-2	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	8.0	U	8.0	U						
Aroclor 1221	11104-28-2	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	8.0	U	8.0	U						
Aroclor 1232	11141-16-5	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	8.0	U	8.0	U						
Aroclor 1242	53469-21-9	22.0	U	4.0	U	4.0	U	4.0	U	14.0	U	4.0	U	18.0	U	4.6	U	4.0	U	4.0	U	4.0	U	8.0	U	8.0	U				
Aroclor 1248	12672-29-6	4.0	U	4.0	U	4.0	U	340.0	E	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	8.0	U	8.0	U				
Aroclor 1254	11097-69-1	19.0	U	13.0	U	4.0	U	270.0	E	16.0	U	33.0	U	48.0	U	11.0	U	4.7	U	13.0	U	13.0	U	4.4	U	15.0	U	13.0	U		
Aroclor 1260	11096-82-5	10.0	U	8.7	U	4.0	U	4.0	U	4.0	U	34.0	U	36.0	U	5.7	U	4.0	U	7.0	U	9.6	U	4.0	U	8.4	U	8.0	U		
TOTAL PCBs (b)		67.0 U		41.7 U			28.0 U		630.0 U,E			50.0 U		87.0 U		118.0 U		37.3 U		28.7 U		40.0 U		42.6 U		28.4 U		63.4 U		61.0 U	

Notes:

(a) Where laboratory analysis indicates a chemical is not detected in a sediment sample, the reporting limit shall be reported and shall be at or below the Marine Sediment Quality Standards chemical criteria value set in this table.

(b) Where chemical criteria in this table represent the sum of individual compounds or isomers, the following methods shall be applied:

(i) Where chemical analyses identify an undetected value for every individual compound/isomer then the single highest detection limit shall represent the sum of the respective compounds/isomers; and

(ii) Where chemical analyses detect one or more individual compound/isomers, only the detected concentrations will be added to represent the group sum.

		SED-25				SED-26				SED-27	
		SED-25C				SED-26C				SED-27C	
CHEMICAL PARAMETER	CAS	0 - 1 ft		1 - 3 ft		0 - 1 ft		1 - 3 ft		0 - 1 ft	
		Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
PCB Aroclors µg/kg dw (ppb dw)											
Aroclor 1016	12674-11-2	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U
Aroclor 1221	11104-28-2	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U
Aroclor 1232	11141-16-5	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U
Aroclor 1242	53469-21-9	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U
Aroclor 1248	12672-29-6	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U
Aroclor 1254	11097-69-1	5.9		4.4		360.0	E	15.0		15.0	
Aroclor 1260	11096-82-5	4.0	U	4.0	U	4.0	U	4.0	U	8.2	
TOTAL PCBs (b)		29.9	U	28.4	U	384.0	U,E	39.0	U	43.2	U