Appendix G
Sampling Location Details

Table G1
Rationale and Analytes for Sediment Sampling Locations

Location	RM	Tier	Category[1]	Target Depth(s)			Recovery Category[1]	Shoaling Area?[1]	Potential Vessel Scour Area?[1]	Rationale for Location Placement[2]			Notes Regarding Location	Analytes[3]												
														Surface Sample[4]				0-45 cm Subsurface Sample					0–60 cm Subsurface Sample[5]			
				0-10 cm	0-45 cm	0-60 cm[5]				Reoccupation	Bounding	Spatial Coverage Only		PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	cPAHs[8]	Dioxins/Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]
Segment 1																										
100	3	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
101	3	1	Subtidal	x		x	1	No	Yes	x			Reoccupy SD-PER205 (2015); total PCB EF of 1.8. Reoccupying post-FS perimeter monitoring location with temporal variation in RAL EF status.	Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
102	3	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
103	3	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
104	3.1	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
105	3.1	1	Intertidal	x	x		3	No	No	x			Reoccupy B7a (2004); HCB EF of 5.	Yes	Yes	a	Yes	Yes	Yes	Yes	a	-	-	-	-	-
106	3.1	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
107	3.1	1	Subtidal	x		x	1	No	Yes	x			Reoccupy SD-DUW75 (1996); total PCB EF of 1.3.	Yes	Yes	Yes	Yes	-	-	-	-	-	Yes	Yes	Yes	Yes
108	3.1	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
109	3.1	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
110	3.1	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
111	3.1	1	Subtidal	x		x	3	No	Yes	x			Reoccupy SD-PER209 (2015); total PCB EF of 1.1. Reoccupying post-FS perimeter monitoring location with temporal variation in RAL EF status.	Yes	Yes	a	Yes	-	-	-	-	-	Yes	-	-	-
112	3.1	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
113	3.1	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
114	3.1	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
115	3.1	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
116	3.1	1	Subtidal	x		x	1	No	Yes	x			Reoccupy SD-PER208 (2015); total PCB EF of 3.3. Reoccupying post-FS perimeter monitoring location with temporal variation in RAL EF status.	Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
117	3.1	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
118	3.1	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
119	3.1	1	Subtidal	x		x	3	No	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	-	-	-

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Location	RM	Tier	Category[1]	Target Depth(s)			Recovery Category[1]	Shoaling Area?[1]	Potential Vessel Scour Area?[1]	Rationale for Location Placement[2]			Notes Regarding Location	Analytes[3]												
														Surface Sample[4]				0-45 cm Subsurface Sample					0–60 cm Subsurface Sample[5]			
				0-10 cm	0-45 cm	0-60 cm[5]				Reoccupation	Bounding	Spatial Coverage Only		PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	cPAHs[8]	Dioxins/Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]
120	3.2	2 (archive)	Subtidal			x	1	No	Yes	x	x		Reoccupy LDW18-SS-122 (2018); analyzed as part of composite (no RAL screen). Only the 0- to 60-cm sample will be collected because a co-located 0- to 10-cm sample was collected in 2018 and will be analyzed.	-	-	-	-	-	-	-	-	-	a	a	a	a
121	3.2	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
122	3.2	1	Subtidal	x		x	1	No	Yes	x			Reoccupy SD-PER210 (2015); no EFs > 1. Reoccupying post-FS perimeter monitoring location with temporal variation in RAL EF status.	Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
123	3.2	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
124	3.2	1	Intertidal	x	x		3	No	No	x			Reoccupy DR201 (1998); total PCB EF of 3.2.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-
125	3.2	2 (archive)	Subtidal	x		x	3	No	Yes		x			a	a	a	a	-	-	-	-	-	a	-	-	-
126	3.2	2 (archive)	Subtidal	x		x	3	No	Yes		x			a	a	a	a	-	-	-	-	-	a	-	-	-
127	3.2	1	Subtidal	x		x	1	No	Yes			x		Yes	Yes	Yes	Yes	-	-	-	-	-	Yes	Yes	Yes	Yes
128	3.2	2 (archive)	Subtidal	x		x	3	No	Yes		x			a	a	a	a	-	-	-	-	-	a	-	-	-
129	3.2	1	Intertidal	x	x		3	No	No	x			Reoccupy SD-PER212 (2015); total PCB EF of 1.9. Reoccupying post-FS perimeter monitoring location with temporal variation in RAL EF status.	Yes	Yes	a	Yes	Yes	Yes	Yes	a	-	-	-	-	-
130	3.2	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
131	3.3	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
132	3.3	1	Subtidal	x		x	1	No	Yes	x			Reoccupy SD-PER211 (2015); no EFs > 1. Reoccupying post-FS perimeter monitoring location with temporal variation in RAL EF status.	Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
133	3.3	2 (archive)	Subtidal			x	3	No	Yes	x	x		Reoccupy LDW18-SS-124 (2018); analyzed as part of composite (no RAL screen). Only the 0- to 60-cm sample will be collected because a co-located 0- to 10-cm sample was collected in 2018 and will be analyzed.	-	-	-	-	-	-	-	-	-	a	-	-	-
134	3.3	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
135	3.3	2 (archive)	Subtidal	x		x	1	No	No		x			a	a	a	a	-	-	-	-	-	a	a	a	a

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														Surface Sample[4]				0-45 cm Subsurface Sample					0–60 cm Subsurface Sample[5]			
				0-10 cm	0-45 cm	0-60 cm[5]				Reoccupation	Bounding	Spatial Coverage Only		PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	cPAHs[8]	Dioxins/Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]
136	3.3	1	Intertidal	x	x		3	No	No	x			Reoccupy LDW-SS106 (2005); total PCB EF of 1.8.	Yes	Yes	a	Yes	Yes	Yes	Yes	a	-	-	-	-	-
137	3.3	1	Subtidal	x		x	3	No	Yes	x			Reoccupy SD-PER213 (2015); no EFs > 1. Reoccupying post-FS perimeter monitoring location with temporal variation in RAL EF status.	Yes	Yes	a	Yes	-	-	-	-	-	Yes	-	-	-
138	3.3	1	Subtidal	x		x	1	No	No			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
139	3.3	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
140	3.3	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
141	3.3	1	Intertidal	x	x		3	No	No			x		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-
142	3.3	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
143	3.3	1	Subtidal	x		x	3	Yes	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
144	3.3	1	Subtidal	x		x	1	No	No			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
145	3.3	1	Intertidal	x	x		3	No	No			x		Yes	Yes	a	Yes	Yes	Yes	Yes	a	-	-	-	-	-
146	3.4	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
147	3.4	2 (archive)	Subtidal	x		x	3	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
148	3.4	2 (archive)	Subtidal	x		x	1	No	No		x			a	a	a	a	-	-	-	-	-	a	a	a	a
149	3.4	1	Subtidal	x		x	3	Yes	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
150	3.4	2 (archive)	Subtidal	x		x	3	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
151	3.4	1	Subtidal	x		x	3	Yes	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
152	3.5	2 (archive)	Subtidal	x		x	3	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
153	3.5	2 (archive)	Intertidal	x			3	No	No		x		Only the 0- to 10-cm sample will be collected because beach play and clamming uses are not possible because the location is not accessible.	a	a	a	a	-	-	-	-	-	-	-	-	-
154	3.5	1	Intertidal	x			3	No	No		x		Only the 0- to 10-cm sample will be collected because beach play and clamming uses are not possible because the location is not accessible.	Yes	Yes	a	Yes	-	-	-	-	-	-	-	-	-

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														Surface Sample[4]				0-45 cm Subsurface Sample					0–60 cm Subsurface Sample[5]			
				0-10 cm	0-45 cm	0-60 cm[5]				Reoccupation	Bounding	Spatial Coverage Only		PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	cPAHs[8]	Dioxins/Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]
155	3.5	2 (archive)	Intertidal	x			2	No	No		x		The South Park Marina and Duwamish Yacht Club are marinas where subtidal conditions are consistent with the intended use; these areas may be subject to potential vessel scour. No 0- to 60-cm sample will be collected because the 10- to 100-cm interval has been recently sampled in this area.	a	a	a	a	-	-	-	-	-	-	-	-	-
156	3.5	1	Subtidal	x		x	3	Yes	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
157	3.5	1	Intertidal	x			2	No	No		x		The South Park Marina and Duwamish Yacht Club are marinas where subtidal conditions are consistent with the intended use; these areas may be subject to potential vessel scour. No 0- to 60-cm sample will be collected because the 10- to 100-cm interval has been recently sampled in this area.	Yes	Yes	a	Yes	-	-	-	-	-	-	-	-	-
158	3.5	1	Intertidal	x			2	No	No		x		The South Park Marina and Duwamish Yacht Club are marinas where subtidal conditions are consistent with the intended use; these areas may be subject to potential vessel scour. No 0- to 60-cm sample will be collected because the 10- to 100-cm interval has been recently sampled in this area.	Yes	Yes	a	Yes	-	-	-	-	-	-	-	-	-
Segment 2																										
200	3.5	2 (archive)	Intertidal	x	x		2	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
201	3.5	1	Subtidal	x		x	1	No	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
202	3.5	2 (archive)	Subtidal	x		x	3	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
203	3.6	1	Subtidal	x		x	3	Yes	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
204	3.6	1	Subtidal	x		x	1	No	No	x			Reoccupy SD-PER308 (2015); total PCB EF of 1.8. Reoccupying post-FS perimeter monitoring location with temporal variation in RAL EF status.	Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
205	3.6	2 (archive)	Subtidal	x		x	1	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
206	3.6	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
207	3.6	2 (archive)	Subtidal	x		x	1	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a

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														Surface Sample[4]				0-45 cm Subsurface Sample					0–60 cm Subsurface Sample[5]			
				0-10 cm	0-45 cm	0-60 cm[5]				Reoccupation	Bounding	Spatial Coverage Only		PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	cPAHs[8]	Dioxins/Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]
208	3.6	1	Subtidal			x	1	Yes	Yes	x			Reoccupy SD-PER310 (2015); no EFs > 1. Only the 0- to 60-cm sample will be collected because of the proximity of this location to the Jorgensen Forge long-term monitoring location at which 0- to 10-cm sediment is being evaluated.	-	-	-	-	-	-	-	-	-	Yes	Yes	a	Yes
209	3.6	1	Subtidal	x		x	1	Yes	Yes			x		Yes	Yes	Yes	Yes	-	-	-	-	-	Yes	Yes	Yes	Yes
210	3.6	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
211	3.7	1	Subtidal	x		x	1	Yes	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
212	3.7	2 (archive)	Subtidal	x		x	1	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
213	3.7	1	Subtidal	x		x	1	No	Yes	x			Reoccupy R19 (1997); HCB EF of 2.	Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
214	3.7	1	Intertidal	x	x		3	No	No			x		Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	-	-	-	-	-
215	3.7	1	Subtidal	x		x	1	Yes	Yes		x			Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
216	3.7	2 (archive)	Subtidal	x		x	1	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
217	3.7	1	Subtidal	x		x	1	Yes	Yes		x			Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
218	3.8	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
219	3.8	1	Subtidal	x		x	1	Yes	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
220	3.8	1	Subtidal	x		x	1	Yes	Yes		x			Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
221	3.8	1	Intertidal	x	x		3	No	No	x			Reoccupy DR210 (1998); total PCB EF of 2.2.	Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
222	3.8	1	Subtidal	x			1	Yes	Yes	x			Reoccupy LDW16 (2016); only benzyl alcohol EF > 1 for 0-2.4 feet, benzyl alcohol and 1,2,4-trichlorobenzene EF > 1 for 2.4-4.4 feet. Only the 0- to 10-cm sample will be collected because a 0- to 60-cm sample exists at this location.	Yes	Yes	a	Yes	-	-	-	-	-	-	-	-	-
223	3.8	1	Intertidal	x	x		2	No	No		x			Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	-	-	-	-	-
224	3.8	1	Subtidal	x		x	1	Yes	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
225	3.8	2 (archive)	Subtidal			x	1	Yes	Yes	x	x		Reoccupy LDW18-SS-137 (2018); analyzed as part of composite (no RAL screen). Only the 0- to 60-cm sample will be collected because a co-located 0- to 10-cm sample was collected in 2018 and will be analyzed.	-	-	-	-	-	-	-	-	-	a	a	a	a

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														Surface Sample[4]				0-45 cm Subsurface Sample					0–60 cm Subsurface Sample[5]			
				0-10 cm	0-45 cm	0-60 cm[5]				Reoccupation	Bounding	Spatial Coverage Only		PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	cPAHs[8]	Dioxins/Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]
226	3.8	1	Intertidal	x	x		3	No	No		x			Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
227	3.8	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
228	3.8	2 (archive)	Subtidal	x		x	1	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
229	3.8	1	Intertidal	x	x		2	No	No		x			Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
230	3.9	2 (archive)	Subtidal	x		x	1	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
231	3.9	1	Subtidal	x		x	1	Yes	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
232	3.9	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
233	3.9	1	Intertidal	x	x		3	No	No		x			Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
234	3.9	2 (archive)	Subtidal	x		x	1	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
235	3.9	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
236	3.9	1	Intertidal	x	x		2	No	No		x			Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
237	3.9	1	Intertidal	x	x		2	No	No		x			Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
238	3.9	1	Subtidal	x		x	1	Yes	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
239	3.9	2 (archive)	Subtidal	x		x	3	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
240	3.9	1	Intertidal	x	x		3	No	No		x			Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	-	-	-	-	-
241	3.9	1	Intertidal	x	x		1	No	No		x		Note location to east (DR258) was re-occupied in 2018 and did not have any RAL exceedances.	Yes	Yes	a	Yes	Yes	Yes	-	a	Yes	-	-	-	-
242	3.9	2 (archive)	Subtidal	x		x	1	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
243	3.9	1	Subtidal	x		x	1	Yes	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
244	3.9	2 (archive)	Intertidal	x	x		1	No	No		x			a	a	a	a	a	a	-	a	a	-	-	-	-
245	3.9	1	Subtidal	x		x	1	No	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
246	4	2 (archive)	Subtidal	x		x	1	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
247	4	1	Subtidal	x		x	1	Yes	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
248	3.9	2 (archive)	Intertidal	x	x		2	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
249	3.9	1	Intertidal	x	x		2	No	No	x	x		Reoccupy AN-019 (2006); total PCB EF of 4.	Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
250	4	2 (archive)	Intertidal	x	x		2	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
251	4	1	Intertidal	x	x		2	No	No		x			Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	-	-	-	-	-

Table G1
Rationale and Analytes for Sediment Sampling Locations

Location	RM	Tier	Category[1]	Target Depth(s)			Recovery Category[1]	Shoaling Area?[1]	Potential Vessel Scour Area?[1]	Rationale for Location Placement[2]			Notes Regarding Location	Analytes[3]												
														Surface Sample[4]				0-45 cm Subsurface Sample					0–60 cm Subsurface Sample[5]			
				0-10 cm	0-45 cm	0-60 cm[5]				Reoccupation	Bounding	Spatial Coverage Only		PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	cPAHs[8]	Dioxins/Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]
252	4	1	Intertidal	x	x		1	No	No			x		Yes	Yes	a	Yes	Yes	Yes	-	a	Yes	-	-	-	-
253	4	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
254	4	1	Subtidal	x		x	1	Yes	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
255	4	1	Intertidal	x	x		2	No	No	x	x		Reoccupy EST145 (1997); total PCB EF of 1.1.	Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
256	4	2 (archive)	Intertidal	x	x		1	No	No		x			a	a	a	a	a	a	-	a	a	-	-	-	-
257	4	1	Subtidal	x		x	1	No	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
258	4	2 (archive)	Subtidal	x		x	3	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
259	4	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
260	4	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
261	4	1	Subtidal	x		x	3	Yes	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
262	4	1	Intertidal	x	x		1	No	No			x		Yes	Yes	a	Yes	Yes	Yes	-	a	Yes	-	-	-	-
263	4	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
264	4	2 (archive)	Subtidal	x		x	3	Yes	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
265	4	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
Segment 3																										
300	4	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
301	4	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
302	4	1	Intertidal	x	x		3	No	No	x			Reoccupy IT-13 (2011); total PCB EF of 3.5. Post-FS 0-10 cm sample location will be re-occupied to evaluate isolated RAL exceedances in this area.	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	-	-	-	-	-
303	4.1	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
304	4.1	1	Intertidal	x	x		3	No	No	x			Reoccupy SB-12 (2004); cPAH EF of 1.2, other PAH EFs of 1.1-1.0.	Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
305	4.1	1	Intertidal	x	x		3	No	No		x			Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
306	4.1	1	Intertidal	x	x		3	No	No		x			Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
307	4.1	2 (archive)	Subtidal	x		x	3	No	Yes		x			a	a	a	a	-	-	-	-	-	a	-	-	-

Table G1
Rationale and Analytes for Sediment Sampling Locations

Location	RM	Tier	Category[1]	Target Depth(s)			Recovery Category[1]	Shoaling Area?[1]	Potential Vessel Scour Area?[1]	Rationale for Location Placement[2]			Notes Regarding Location	Analytes[3]												
														Surface Sample[4]				0-45 cm Subsurface Sample					0–60 cm Subsurface Sample[5]			
				0-10 cm	0-45 cm	0-60 cm[5]				Reoccupation	Bounding	Spatial Coverage Only		PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	cPAHs[8]	Dioxins/Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]
308	4.1	2 (archive)	Subtidal	x		x	2	No	No		x		The South Park Marina and Duwamish Yacht Club are marinas where subtidal conditions are consistent with the intended use; these areas may be subject to potential vessel scour.	a	a	a	a	-	-	-	-	-	a	-	-	-
309	4.1	2 (archive)	Subtidal	x		x	2	No	Yes		x		The South Park Marina and Duwamish Yacht Club are marinas where subtidal conditions are consistent with the intended use; these areas may be subject to potential vessel scour.	a	a	a	a	-	-	-	-	-	a	-	-	-
310	4.1	1	Subtidal	x		x	2	No	No			x	The South Park Marina and Duwamish Yacht Club are marinas where subtidal conditions are consistent with the intended use; these areas may be subject to potential vessel scour.	Yes	Yes	a	Yes	-	-	-	-	-	Yes	-	-	-
311	4.1	2 (archive)	Subtidal	x		x	2	No	No		x		The South Park Marina and Duwamish Yacht Club are marinas where subtidal conditions are consistent with the intended use; these areas may be subject to potential vessel scour.	a	a	a	a	-	-	-	-	-	a	-	-	-
312	4.2	1	Intertidal		x		3	No	No			x	Only the 0- to 45-cm sample will be collected because a post-FS 0- to 10-cm sample exists in this location	-	-	-	-	Yes	Yes	-	Yes	-	-	-	-	-
313	4.2	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
314	4.2	1	Intertidal	x	x		3	No	No	x			Reoccupy LDW-SS131 (2005); no EFs > 1.	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	-	-	-	-	-
315	4.2	2 (archive)	Subtidal	x		x	1	No	Yes		x		Updated bathymetry was not collected at this location because of obstructions. This location is assumed to be within potential vessel scour areas based on the categorization of surrounding areas.	a	a	a	a	-	-	-	-	-	a	a	a	a
316	4.2	2 (archive)	Intertidal	x	x		1	No	No		x			a	a	a	a	a	a	-	a	a	-	-	-	-
317	4.1	1	Intertidal	x	x		3	No	No	x			Reoccupy SH-06 (2004); total PCB EF of 1.6.	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	-	-	-	-	-
318	4.2	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
319	4.2	1	Subtidal			x	1	No	Yes			x	Only the 0- to 60-cm sample will be collected at this location for spatial coverage, per EPA request.	-	-	-	-	-	-	-	-	-	Yes	Yes	Yes	Yes
320	4.2	1	Subtidal	x			1	No	Yes	x			Reoccupy DR176 (1998); benthic PAH EFs of 1.5 to 2.9. Only the 0- to 10-cm sample will be collected because a 0- to 60-cm sample exists at this location.	Yes	Yes	a	Yes	-	-	-	-	-	-	-	-	-

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Rationale and Analytes for Sediment Sampling Locations

Location	RM	Tier	Category[1]	Target Depth(s)			Recovery Category[1]	Shoaling Area?[1]	Potential Vessel Scour Area?[1]	Rationale for Location Placement[2]			Notes Regarding Location	Analytes[3]												
														Surface Sample[4]				0-45 cm Subsurface Sample					0–60 cm Subsurface Sample[5]			
				0-10 cm	0-45 cm	0-60 cm[5]				Reoccupation	Bounding	Spatial Coverage Only		PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	cPAHs[8]	Dioxins/Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]
321	4.2	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
322	4.2	2 (archive)	Subtidal			x	1	No	Yes	x	x		Reoccupy LDW18-SS-147 (2018); analyzed as part of composite (no RAL screen). Only the 0- to 60-cm sample will be collected because a co-located 0- to 10-cm sample was collected in 2018 and will be analyzed. Updated bathymetry was not collected at this location because of obstructions. This location is assumed to be within potential vessel scour areas based on the categorization of surrounding areas.	-	-	-	-	-	-	-	-	-	a	a	a	a
323	4.2	1	Intertidal	x			1	No	No	x			Reoccupy LDW-SS2083-A (2011); only benzyl alcohol EF > 1. Only the 0- to 10-cm sample will be collected in this location for a toxicity test.	Yes	Yes	a	Yes	-	-	-	-	-	-	-	-	-
324	4.2	2 (archive)	Subtidal	x		x	1	No	Yes		x		Updated bathymetry was not collected at this location because of obstructions. This location is assumed to be within potential vessel scour areas based on the categorization of surrounding areas.	a	a	a	a	-	-	-	-	-	a	a	a	a
325	4.2	2 (archive)	Intertidal	x	x		1	No	No		x			a	a	a	a	a	a	-	a	a	-	-	-	-
326	4.2	1	Subtidal	x		x	1	No	Yes	x			Reoccupy DR243 (1998); no EFs > 1 (PCB EF = 0.9).	Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
327	4.2	1	Subtidal	x		x	1	No	Yes	x			Reoccupy DR244 (1998); total PCB EF of 1.0.	Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
328	4.2	1	Subtidal	x			2	No	Yes	x			Reoccupy SB-5 (2004); total PCB EF of 1.2. No 0- to 60-cm sample will be collected because several other 0- to 60-cm samples are being collected in this area.	Yes	Yes	a	Yes	-	-	-	-	-	-	-	-	-
329	4.2	1	Subtidal	x		x	2	No	Yes	x			Reoccupy SB-4 (2004); benzoic acid EF of 1.5, phenol EF of 1.7.	Yes	Yes	a	Yes	-	-	-	-	-	Yes	-	-	-
330	4.2	1	Subtidal	x		x	1	No	Yes	x			Reoccupy R44 (1997); cPAH EF of 1.2, acenaphthene EF of 1.6. Updated bathymetry was not collected at this location because of obstructions. This location is assumed to be within potential vessel scour areas based on the categorization of surrounding areas.	Yes	Yes	Yes	Yes	-	-	-	-	-	Yes	Yes	Yes	Yes

Table G1
Rationale and Analytes for Sediment Sampling Locations

Location	RM	Tier	Category[1]	Target Depth(s)			Recovery Category[1]	Shoaling Area?[1]	Potential Vessel Scour Area?[1]	Rationale for Location Placement[2]			Notes Regarding Location	Analytes[3]												
														Surface Sample[4]				0-45 cm Subsurface Sample					0–60 cm Subsurface Sample[5]			
				0-10 cm	0-45 cm	0-60 cm[5]				Reoccupation	Bounding	Spatial Coverage Only		PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	cPAHs[8]	Dioxins/Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]
331	4.2	1	Intertidal	x			1	No	No			x	Only the 0- to 10-cm sample will be collected because beach play and clamming uses are not possible because the location is not accessible.	Yes	Yes	a	Yes	-	-	-	-	-	-	-	-	-
332	4.2	1	Subtidal	x		x	1	No	Yes	x			Reoccupy SB-1 (2004); cPAH EF of 2.3, BEHP EF of 1.3, other benthic PAH EFs of 1.1 to 2.2.	Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
333	4.2	1	Subtidal	x			2	No	Yes	x			Reoccupy SB-3 (2004); cPAH EF of 1.9, phenol EF of 1.7. No 0- to 60-cm sample will be collected because several other 0- to 60-cm samples are being collected in this area.	Yes	Yes	a	Yes	-	-	-	-	-	-	-	-	-
334	4.2	1	Subtidal	x		x	3	No	Yes	x			Reoccupy LDW-SS2080-A (2011); dimethyl phthalate EF of 6.8. Post-FS 0-10 cm sample location will be re-occupied to evaluate isolated phthalate RAL exceedances in this area.	Yes	Yes	a	Yes	-	-	-	-	-	Yes	-	-	-
335	4.2	1	Intertidal	x	x		1	No	No	x			Reoccupy LDW18-DeltaMarine (2018); only benzyl alcohol EF > 1. Post-FS 0-10 cm sample at this location will be reoccupied for a toxicity test.	Yes	Yes	a	Yes	Yes	Yes	Yes	a	Yes	-	-	-	-
336	4.3	2 (archive)	Intertidal		x		3	No	No	x	x		Reoccupy LDW18-SS-150 (2018); analyzed as part of composite (no RAL screen). Only the 0- to 45-cm sample will be collected because a co-located 0- to 10-cm sample was collected in 2018 and will be analyzed.	-	-	-	-	a	a	-	a	-	-	-	-	-
337	4.3	1	Intertidal	x	x		3	No	No	x			Reoccupy WIT258 (1997); total PCB EF of 1.8.	Yes	Yes	a	Yes	Yes	Yes	Yes	a	-	-	-	-	-
338	4.3	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
339	4.3	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
340	4.3	1	Intertidal	x	x		3	No	No			x		Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	-	-	-	-	-
341	4.3	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
342	4.4	1	Intertidal	x	x		1	No	No			x		Yes	Yes	a	Yes	Yes	Yes	Yes	a	Yes	-	-	-	-
343	4.3	1	Intertidal	x			3	No	No	x			Reoccupy LDW18-SS2089-D (2018); only benzyl alcohol EF > 1. Only the 0- to 10-cm sample will be collected in this location for a toxicity test.	Yes	Yes	a	Yes	-	-	-	-	-	-	-	-	-

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Rationale and Analytes for Sediment Sampling Locations

Location	RM	Tier	Category[1]	Target Depth(s)			Recovery Category[1]	Shoaling Area?[1]	Potential Vessel Scour Area?[1]	Rationale for Location Placement[2]			Notes Regarding Location	Analytes[3]												
														Surface Sample[4]				0-45 cm Subsurface Sample					0–60 cm Subsurface Sample[5]			
				0-10 cm	0-45 cm	0-60 cm[5]				Reoccupation	Bounding	Spatial Coverage Only		PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	cPAHs[8]	Dioxins/Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]
344	4.3	1	Intertidal	x	x		3	No	No	x			Reoccupy LDW-SS2089-A (2011); only benzyl alcohol EF > 1. Post-FS 0-10 cm sample at this location will be reoccupied for a toxicity test.	Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
345	4.4	2 (archive)	Subtidal			x	3	No	Yes	x	x		Reoccupy LDW18-SS-153 (2018); analyzed as part of composite (no RAL screen). Only the 0- to 60-cm sample will be collected because a co-located 0- to 10-cm sample was collected in 2018 and will be analyzed.	-	-	-	-	-	-	-	-	-	a	-	-	-
346	4.4	1	Subtidal	x		x	1	No	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	Yes	a	Yes
347	4.4	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
348	4.5	1	Intertidal	x	x		3	No	No	x			Reoccupy LDW-SS2085-A (2011); only benzyl alcohol EF > 1. Post-FS 0-10 cm sample at this location will be reoccupied for a toxicity test.	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	-	-	-	-	-
349	4.5	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a
350	4.5	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
351	4.5	1	Intertidal	x	x		3	No	No	x			Reoccupy B9a (2004); total PCB EF of 1.1.	Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
352	4.6	1	Intertidal	x	x		3	No	No	x			Reoccupy R75 (1997); total PCB EF of 1.2.	Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
353	4.6	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
354	4.6	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
355	4.5	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
356	4.6	1	Intertidal		x		3	No	No	x			Reoccupy LDW-SS2201-D (2011); only benzyl alcohol EF > 1. Only a 0- to 45-cm sample will be collected for spatial coverage in this location with multiple post-FS 0- to 10-cm samples.	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-
357	4.6	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
358	4.6	1	Intertidal	x	x		1	No	No			x		Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	-	-	-	-
359	4.7	2 (archive)	Subtidal	x		x	1	No	Yes		x			a	a	a	a	-	-	-	-	-	a	a	a	a

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Rationale and Analytes for Sediment Sampling Locations

Location	RM	Tier	Category[1]	Target Depth(s)			Recovery Category[1]	Shoaling Area?[1]	Potential Vessel Scour Area?[1]	Rationale for Location Placement[2]			Notes Regarding Location	Analytes[3]												
														Surface Sample[4]				0-45 cm Subsurface Sample					0–60 cm Subsurface Sample[5]			
				0-10 cm	0-45 cm	0-60 cm[5]				Reoccupation	Bounding	Spatial Coverage Only		PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	cPAHs[8]	Dioxins/Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]
360	4.7	1	Subtidal			x	3	No	Yes	x			Reoccupy LDW18-SS164-2 (2018); analyzed as part of composite (no RAL screen). Only the 0- to 60-cm sample will be collected because a co-located 0- to 10-cm sample was collected in 2018 and will be analyzed.	-	-	-	-	-	-	-	-	-	Yes	-	-	-
361	4.7	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
362	4.7	1	Intertidal	x	x		3	No	No	x			Reoccupy BKG-2 (2011); cPAH EF of 2.4, EF of 1.2 for acenaphthene and phenanthrene. Post-FS 0-10 cm sample location will be re-occupied to evaluate isolated RAL exceedances in this area.	Yes	Yes	a	Yes	Yes	Yes	Yes	a	-	-	-	-	-
363	4.7	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
364	4.7	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
365	4.7	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
366	4.8	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
367	4.7	1	Intertidal	x	x		1	No	No		x			Yes	Yes	a	Yes	Yes	Yes	Yes	a	Yes	-	-	-	-
368	4.8	1	Intertidal	x	x		3	No	No	x	x		Reoccupy B10a (2004); phenol EF of 1.3.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-
369	4.7	1	Intertidal	x	x		3	No	No		x			Yes	Yes	a	Yes	Yes	Yes	Yes	a	-	-	-	-	-
370	4.7	2 (archive)	Intertidal	x	x		3	No	No		x			a	a	a	a	a	a	a	a	-	-	-	-	-
371	4.8	1	Subtidal	x		x	3	No	Yes			x		Yes	Yes	a	Yes	-	-	-	-	-	Yes	-	-	-
Segment 4																										
400	4.8	2 (archive)	Intertidal	x	x		2	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
401	4.9	1	Intertidal	x	x		2	No	No	x			Reoccupy NFK304 (1995); total PCB EF of 1.5.	Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
402	4.8	2 (archive)	Subtidal	x			2	No	No		x		No 0- to 60-cm sample will be collected because no subsurface RALs apply in Segment 4.	a	a	a	a	-	-	-	-	-	-	-	-	-
403	4.9	2 (archive)	Subtidal	x			2	No	No		x		No 0- to 60-cm sample will be collected because no subsurface RALs apply in Segment 4.	a	a	a	a	-	-	-	-	-	-	-	-	-
404	4.9	1	Subtidal	x			2	No	No	x			Reoccupy NFK307 (1995); total PCB EF of 4.2. No 0- to 60-cm sample will be collected because no subsurface RALs apply in Segment 4.	Yes	Yes	a	Yes	-	-	-	-	-	-	-	-	-

Table G1
Rationale and Analytes for Sediment Sampling Locations

Location	RM	Tier	Category[1]	Target Depth(s)			Recovery Category[1]	Shoaling Area?[1]	Potential Vessel Scour Area?[1]	Rationale for Location Placement[2]			Notes Regarding Location	Analytes[3]												
														Surface Sample[4]				0-45 cm Subsurface Sample					0–60 cm Subsurface Sample[5]			
				0-10 cm	0-45 cm	0-60 cm[5]				Reoccupation	Bounding	Spatial Coverage Only		PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	cPAHs[8]	Dioxins/Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]
405	4.9	2 (archive)	Subtidal	x			2	No	No		x		No 0- to 60-cm sample will be collected because no subsurface RALs apply in Segment 4.	a	a	a	a	-	-	-	-	-	-	-	-	-
406	4.9	1	Intertidal	x	x		2	No	No	x			Reoccupy NFK308 (1995); total PCB EF of 2.5.	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	-	-	-	-	-
407	4.9	1	Intertidal	x			2	No	No	x			Reoccupy NFK311 (1995); total PCB EF of 1.7. Only the 0- to 10-cm sample will be collected because beach play and clamming uses are not possible because the location is not accessible.	Yes	Yes	a	Yes	-	-	-	-	-	-	-	-	-
408	4.9	2 (archive)	Subtidal	x			2	No	No		x		No 0- to 60-cm sample will be collected because no subsurface RALs apply in Segment 4.	a	a	a	a	-	-	-	-	-	-	-	-	-
409	4.9	2 (archive)	Intertidal	x	x		2	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
410	4.9	1	Intertidal	x	x		2	No	No	x			Reoccupy LDW-SS144 (2005); total PCB EF of 2.1.	Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
411	4.9	2 (archive)	Subtidal	x			2	No	No		x		No 0- to 60-cm sample will be collected because no subsurface RALs apply in Segment 4.	a	a	a	a	-	-	-	-	-	-	-	-	-
412	4.9	1	Intertidal	x			2	No	No			x	Only the 0- to 10-cm sample will be collected because beach play and clamming uses are not possible because the location is not accessible.	Yes	Yes	a	Yes	-	-	-	-	-	-	-	-	-
413	4.9	1	Intertidal	x	x		2	No	No			x		Yes	Yes	a	Yes	Yes	Yes	Yes	a	-	-	-	-	-
414	4.9	2 (archive)	Intertidal	x	x		2	No	No			x		a	a	a	a	a	a	a	a	-	-	-	-	-
415	4.9	2 (archive)	Intertidal	x	x		2	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
416	4.9	1	Intertidal	x	x		2	No	No	x			Reoccupy S2 (2017); total PCB EF of 3.3. Post-FS 0-10 cm sample location will be re-occupied to evaluate potential source.	Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
417	4.9	2 (archive)	Intertidal	x	x		2	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
418	4.9	1	Intertidal	x	x		2	No	No		x			Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	-	-	-	-	-
419	4.9	1	Intertidal	x	x		2	No	No	x			Reoccupy NFK004A (1994); total PCB EF of 2.9 and BBP EF of 1.1.	Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
420	4.9	2 (archive)	Subtidal	x			2	No	No			x	No 0- to 60-cm sample will be collected because no subsurface RALs apply in Segment 4.	a	a	a	a	-	-	-	-	-	-	-	-	-
421	4.9	2 (archive)	Intertidal	x	x		2	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-
422	5	2 (archive)	Intertidal	x	x		2	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-

Table G1
Rationale and Analytes for Sediment Sampling Locations

Location	RM	Tier	Category[1]	Target Depth(s)			Recovery Category[1]	Shoaling Area?[1]	Potential Vessel Scour Area?[1]	Rationale for Location Placement[2]			Notes Regarding Location	Analytes[3]												
														Surface Sample[4]				0-45 cm Subsurface Sample					0–60 cm Subsurface Sample[5]			
				0-10 cm	0-45 cm	0-60 cm[5]				Reoccupation	Bounding	Spatial Coverage Only		PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	cPAHs[8]	Dioxins/Furans[6]	Other Benthic Risk Drivers[7]	PCBs	Arsenic	Dioxins/ Furans[6]	Other Benthic Risk Drivers[7]
423	5	1	Intertidal	x	x		2	No	No	x			Reoccupy NFK006 (1994); cPAH EF of 1.1.	Yes	Yes	a	Yes	Yes	Yes	-	a	-	-	-	-	-
424	5	2 (archive)	Intertidal	x	x		2	No	No		x			a	a	a	a	a	a	-	a	-	-	-	-	-

Notes:

1. Recovery categories are those proposed in Appendix B. Intertidal/subtidal designations, shoaling areas, and potential vessel scour areas are based on the updated 2019 bathymetry. By definition, shoaling areas (i.e., areas shallower than -15 feet MLLW in the FNC) are also potential vessel scour areas (i.e., areas shallower than -18 feet MLLW in subtidal areas).
2. Rationale categories are described in Section 4.1.3.1.
3. For sample analysis columns, "Yes" indicates that sample will be analyzed as part of Tier 1, "a" indicates that sample will be collected for archive, and "-" indicates that sample will not be collected or is not being analyzed for that analyte. Gray shading indicates that the sample type is applicable for a given location. An archive jar will also be collected for all samples, provided that sufficient material is available.
4. Surface sediment samples (0–10 cm) will be collected at all locations except as noted.
5. Depths of 0 to 60 cm for shoaling area locations will be expanded based on depth of shoaled material (see Table 4-4).
6. A subset of samples will be analyzed for dioxins/furans (see Section 4.1.4.2 of the QAPP).
7. Other benthic COCs are the 39 benthic risk drivers in ROD Table 27; while PCBs and arsenic are also benthic COCs, they are addressed by human health RALs because they are also human health COCs.
8. cPAHs will be calculated from the benthic COC PAH data but only for 0- to 45-cm samples collected from beach play areas (based on the RAL update with the updated benzo(a)pyrene toxicity data).

BEHP: bis(2-ethylhexyl) phthalate
COC: contaminant of concern
cPAH: carcinogenic polycyclic aromatic hydrocarbon
EF: exceedance factor
EPA: US Environmental Protection Agency
FS: feasibility study
PAH: polycyclic aromatic hydrocarbon
PCB: polychlorinated biphenyl
RAL: remedial action level
RM: river mile
ROD: Record of Decision

Table G2
Sediment Sampling Locations

Location	RM	Category	Tier	Sample Type(s)				In FNC?[2]	Est. Shoal Thick-ness (cm)	No. of Subsurface Samples at Shoaling Locations	Target Coordinates			
				Surface (0-10 cm)	Intertidal Subsurface (0-45 cm)	Subtidal Subsurface (0-60 cm)	Subtidal Subsurface in Shoaling Area[1]				X[3]	Y[3]	Longitude[4]	Latitude[4]
Segment 1														
100	3	Subtidal	2 (archive)	x		x		Yes	-	-	1273310	197775	-122.319473	47.532473
101	3	Subtidal	1	x		x		Yes	-	-	1273379	197719	-122.319189	47.532323
102	3	Subtidal	2 (archive)	x		x		Yes	-	-	1273334	197665	-122.319367	47.532172
103	3	Subtidal	2 (archive)	x		x		Yes	-	-	1273450	197657	-122.318895	47.532157
104	3.1	Intertidal	2 (archive)	x	x			No	-	-	1273412	197453	-122.319035	47.531596
105	3.1	Intertidal	1	x	x			No	-	-	1273379	197419	-122.319165	47.531501
106	3.1	Subtidal	2 (archive)	x		x		Yes	-	-	1273548	197559	-122.318492	47.531893
107	3.1	Subtidal	1	x		x		Yes	-	-	1273586	197487	-122.318333	47.531698
108	3.1	Subtidal	2 (archive)	x		x		No	-	-	1273585	197394	-122.318331	47.531444
109	3.1	Intertidal	2 (archive)	x	x			No	-	-	1273472	197364	-122.318783	47.531355
110	3.1	Intertidal	2 (archive)	x	x			No	-	-	1273526	197276	-122.318560	47.531117
111	3.1	Subtidal	1	x		x		No	-	-	1273587	197311	-122.318315	47.531216
112	3.1	Subtidal	2 (archive)	x		x		No	-	-	1273652	197343	-122.318056	47.531308
113	3.1	Subtidal	2 (archive)	x		x		Yes	-	-	1273695	197426	-122.317889	47.531535
114	3.1	Intertidal	2 (archive)	x	x			No	-	-	1273624	197239	-122.318160	47.531020
115	3.1	Subtidal	2 (archive)	x		x		Yes	-	-	1273734	197284	-122.317716	47.531149
116	3.1	Subtidal	1	x		x		Yes	-	-	1273793	197347	-122.317484	47.531325
117	3.1	Subtidal	2 (archive)	x		x		Yes	-	-	1273870	197277	-122.317168	47.531137

Table G2
Sediment Sampling Locations

Location	RM	Category	Tier	Sample Type(s)				In FNC?[2]	Est. Shoal Thick-ness (cm)	No. of Subsurface Samples at Shoaling Locations	Target Coordinates			
				Surface (0-10 cm)	Intertidal Subsurface (0-45 cm)	Subtidal Subsurface (0-60 cm)	Subtidal Subsurface in Shoaling Area[1]				X[3]	Y[3]	Longitude[4]	Latitude[4]
118	3.1	Intertidal	2 (archive)	x	x			No	-	-	1273735	197120	-122.317702	47.530699
119	3.1	Subtidal	1	x		x		No	-	-	1273805	197128	-122.317420	47.530725
120	3.2	Subtidal	2 (archive)			x		Yes	-	-	1273877	197160	-122.317131	47.530818
121	3.2	Intertidal	2 (archive)	x	x			No	-	-	1273840	197017	-122.317270	47.530422
122	3.2	Subtidal	1	x		x		Yes	-	-	1273945	197086	-122.316849	47.530618
123	3.2	Subtidal	2 (archive)	x		x		Yes	-	-	1273999	197146	-122.316634	47.530784
124	3.2	Intertidal	1	x	x			No	-	-	1273911	196942	-122.316975	47.530221
125	3.2	Subtidal	2 (archive)	x		x		No	-	-	1273964	196988	-122.316764	47.530350
126	3.2	Subtidal	2 (archive)	x		x		Yes	-	-	1274069	196989	-122.316338	47.530357
127	3.2	Subtidal	1	x		x		Yes	-	-	1274133	197026	-122.316083	47.530465
128	3.2	Subtidal	2 (archive)	x		x		No	-	-	1274111	196888	-122.316160	47.530085
129	3.2	Intertidal	1	x	x			No	-	-	1274128	196821	-122.316087	47.529901
130	3.2	Subtidal	2 (archive)	x		x		Yes	-	-	1274211	196936	-122.315761	47.530222
131	3.3	Intertidal	2 (archive)	x	x			No	-	-	1274170	196725	-122.315909	47.529641
132	3.3	Subtidal	1	x		x		Yes	-	-	1274299	196841	-122.315397	47.529965
133	3.3	Subtidal	2 (archive)			x		No	-	-	1274271	196754	-122.315503	47.529724
134	3.3	Intertidal	2 (archive)	x	x			No	-	-	1274255	196684	-122.315561	47.529533
135	3.3	Subtidal	2 (archive)	x		x		Yes	-	-	1274371	196778	-122.315101	47.529796
136	3.3	Intertidal	1	x	x			No	-	-	1274280	196614	-122.315456	47.529342

Table G2
Sediment Sampling Locations

Location	RM	Category	Tier	Sample Type(s)				In FNC?[2]	Est. Shoal Thick-ness (cm)	No. of Subsurface Samples at Shoaling Locations	Target Coordinates			
				Surface (0-10 cm)	Intertidal Subsurface (0-45 cm)	Subtidal Subsurface (0-60 cm)	Subtidal Subsurface in Shoaling Area[1]				X[3]	Y[3]	Longitude[4]	Latitude[4]
137	3.3	Subtidal	1	x		x		No	-	-	1274380	196679	-122.315056	47.529525
138	3.3	Subtidal	1	x		x		Yes	-	-	1274451	196708	-122.314771	47.529610
139	3.3	Intertidal	2 (archive)	x	x			No	-	-	1274343	196540	-122.315195	47.529141
140	3.3	Intertidal	2 (archive)	x	x			No	-	-	1274416	196551	-122.314900	47.529175
141	3.3	Intertidal	1	x	x			No	-	-	1274398	196493	-122.314971	47.529016
142	3.3	Intertidal	2 (archive)	x	x			No	-	-	1274469	196456	-122.314678	47.528919
143	3.3	Subtidal	1	x			x	Yes	82	2	1274584	196519	-122.314219	47.529097
144	3.3	Subtidal	1	x		x		Yes	-	-	1274650	196597	-122.313957	47.529314
145	3.3	Intertidal	1	x	x			No	-	-	1274557	196390	-122.314318	47.528743
146	3.4	Intertidal	2 (archive)	x	x			No	-	-	1274606	196331	-122.314116	47.528584
147	3.4	Subtidal	2 (archive)	x			x	Yes	122	2	1274711	196408	-122.313695	47.528800
148	3.4	Subtidal	2 (archive)	x		x		Yes	-	-	1274753	196498	-122.313531	47.529049
149	3.4	Subtidal	1	x			x	Yes	101	2	1274815	196328	-122.313267	47.528585
150	3.4	Subtidal	2 (archive)	x			x	Yes	15	1	1274933	196271	-122.312785	47.528435
151	3.4	Subtidal	1	x			x	Yes	186	2	1275005	196142	-122.312483	47.528087
152	3.5	Subtidal	2 (archive)	x			x	Yes	165	2	1275106	196060	-122.312070	47.527866
153	3.5	Intertidal	2 (archive)	x				No	-	-	1275007	195908	-122.312458	47.527446
154	3.5	Intertidal	1	x				No	-	-	1275051	195863	-122.312275	47.527324
155	3.5	Intertidal	2 (archive)	x				No	-	-	1275130	195952	-122.311964	47.527573

Table G2
Sediment Sampling Locations

Location	RM	Category	Tier	Sample Type(s)				In FNC?[2]	Est. Shoal Thick-ness (cm)	No. of Subsurface Samples at Shoaling Locations	Target Coordinates			
				Surface (0-10 cm)	Intertidal Subsurface (0-45 cm)	Subtidal Subsurface (0-60 cm)	Subtidal Subsurface in Shoaling Area[1]				X[3]	Y[3]	Longitude[4]	Latitude[4]
156	3.5	Subtidal	1	x			x	Yes	165	2	1275177	195999	-122.311779	47.527704
157	3.5	Intertidal	1	x				No	-	-	1275130	195889	-122.311959	47.527398
158	3.5	Intertidal	1	x				No	-	-	1275185	195857	-122.311736	47.527315
Segment 2														
200	3.5	Intertidal	2 (archive)	x	x			No	-	-	1275240	195866	-122.311515	47.527343
201	3.5	Subtidal	1	x		x		Yes	-	-	1275392	195928	-122.310903	47.527519
202	3.5	Subtidal	2 (archive)	x			x	Yes	165	2	1275326	195858	-122.311164	47.527326
203	3.6	Subtidal	1	x			x	Yes	122	2	1275453	195766	-122.310642	47.527078
204	3.6	Subtidal	1	x		x		Yes	-	-	1275486	195832	-122.310515	47.527262
205	3.6	Subtidal	2 (archive)	x			x	Yes	27	1	1275535	195728	-122.310307	47.526979
206	3.6	Subtidal	2 (archive)	x		x		Yes	-	-	1275695	195649	-122.309656	47.526772
207	3.6	Subtidal	2 (archive)	x			x	Yes	21	1	1275674	195565	-122.309734	47.526539
208	3.6	Subtidal	1				x	Yes	18	1	1275761	195590	-122.309383	47.526613
209	3.6	Subtidal	1	x			x	Yes	30	1	1275710	195467	-122.309579	47.526274
210	3.6	Subtidal	2 (archive)	x		x		Yes	-	-	1275791	195501	-122.309254	47.526372
211	3.7	Subtidal	1	x			x	Yes	37	1	1275766	195326	-122.309341	47.525890
212	3.7	Subtidal	2 (archive)	x			x	Yes	21	1	1275860	195222	-122.308952	47.525609
213	3.7	Subtidal	1	x		x		No	-	-	1275727	195178	-122.309488	47.525482
214	3.7	Intertidal	1	x	x			No	-	-	1275689	195053	-122.309631	47.525138

Table G2
Sediment Sampling Locations

Location	RM	Category	Tier	Sample Type(s)				In FNC?[2]	Est. Shoal Thick-ness (cm)	No. of Subsurface Samples at Shoaling Locations	Target Coordinates			
				Surface (0-10 cm)	Intertidal Subsurface (0-45 cm)	Subtidal Subsurface (0-60 cm)	Subtidal Subsurface in Shoaling Area[1]				X[3]	Y[3]	Longitude[4]	Latitude[4]
215	3.7	Subtidal	1	x			x	Yes	24	1	1275904	195068	-122.308765	47.525190
216	3.7	Subtidal	2 (archive)	x			x	Yes	110	2	1275811	194972	-122.309133	47.524923
217	3.7	Subtidal	1	x			x	Yes	37	1	1275947	194893	-122.308575	47.524711
218	3.8	Intertidal	2 (archive)	x	x			No	-	-	1275766	194755	-122.309297	47.524326
219	3.8	Subtidal	1	x			x	Yes	82	2	1275870	194776	-122.308877	47.524387
220	3.8	Subtidal	1	x			x	Yes	40	1	1275975	194785	-122.308454	47.524419
221	3.8	Intertidal	1	x	x			No	-	-	1275822	194662	-122.309064	47.524073
222	3.8	Subtidal	1	x				Yes	-	-	1276014	194687	-122.308289	47.524151
223	3.8	Intertidal	1	x	x			No	-	-	1276145	194673	-122.307758	47.524121
224	3.8	Subtidal	1	x			x	Yes	55	1	1276023	194576	-122.308245	47.523847
225	3.8	Subtidal	2 (archive)				x	Yes	76	2	1275934	194525	-122.308601	47.523702
226	3.8	Intertidal	1	x	x			No	-	-	1275845	194515	-122.308958	47.523670
227	3.8	Intertidal	2 (archive)	x	x			No	-	-	1275848	194398	-122.308937	47.523349
228	3.8	Subtidal	2 (archive)	x			x	Yes	64	2	1276051	194459	-122.308123	47.523527
229	3.8	Intertidal	1	x	x			No	-	-	1276153	194504	-122.307711	47.523657
230	3.9	Subtidal	2 (archive)	x			x	Yes	104	2	1275965	194333	-122.308459	47.523180
231	3.9	Subtidal	1	x			x	Yes	70	2	1276080	194346	-122.307997	47.523219
232	3.9	Intertidal	2 (archive)	x	x			No	-	-	1275860	194228	-122.308876	47.522886
233	3.9	Intertidal	1	x	x			No	-	-	1275879	194153	-122.308793	47.522681

Table G2
Sediment Sampling Locations

Location	RM	Category	Tier	Sample Type(s)				In FNC?[2]	Est. Shoal Thick-ness (cm)	No. of Subsurface Samples at Shoaling Locations	Target Coordinates			
				Surface (0-10 cm)	Intertidal Subsurface (0-45 cm)	Subtidal Subsurface (0-60 cm)	Subtidal Subsurface in Shoaling Area[1]				X[3]	Y[3]	Longitude[4]	Latitude[4]
234	3.9	Subtidal	2 (archive)	x			x	Yes	61	2	1276055	194197	-122.308085	47.522811
235	3.9	Subtidal	2 (archive)	x		x		No	-	-	1276167	194213	-122.307633	47.522861
236	3.9	Intertidal	1	x	x			No	-	-	1276201	194243	-122.307497	47.522945
237	3.9	Intertidal	1	x	x			No	-	-	1276216	194193	-122.307433	47.522807
238	3.9	Subtidal	1	x			x	Yes	73	2	1276136	194138	-122.307753	47.522653
239	3.9	Subtidal	2 (archive)	x			x	Yes	85	2	1276032	194073	-122.308168	47.522469
240	3.9	Intertidal	1	x	x			No	-	-	1275950	194058	-122.308500	47.522424
241	3.9	Intertidal	1	x	x			No	-	-	1275909	193966	-122.308659	47.522170
242	3.9	Subtidal	2 (archive)	x			x	Yes	58	1	1276094	194010	-122.307915	47.522300
243	3.9	Subtidal	1	x			x	Yes	85	2	1276173	193997	-122.307591	47.522268
244	3.9	Intertidal	2 (archive)	x	x			No	-	-	1275947	193849	-122.308493	47.521851
245	3.9	Subtidal	1	x		x		No	-	-	1276031	193878	-122.308159	47.521936
246	4	Subtidal	2 (archive)	x			x	Yes	61	2	1276130	193835	-122.307753	47.521822
247	4	Subtidal	1	x			x	Yes	98	2	1276212	193861	-122.307424	47.521899
248	3.9	Intertidal	2 (archive)	x	x			No	-	-	1276286	193911	-122.307130	47.522039
249	3.9	Intertidal	1	x	x			No	-	-	1276327	193924	-122.306963	47.522076
250	4	Intertidal	2 (archive)	x	x			No	-	-	1276316	193843	-122.307001	47.521855
251	4	Intertidal	1	x	x			No	-	-	1276353	193856	-122.306851	47.521890
252	4	Intertidal	1	x	x			No	-	-	1275933	193729	-122.308541	47.521522

Table G2
Sediment Sampling Locations

Location	RM	Category	Tier	Sample Type(s)				In FNC?[2]	Est. Shoal Thick-ness (cm)	No. of Subsurface Samples at Shoaling Locations	Target Coordinates			
				Surface (0-10 cm)	Intertidal Subsurface (0-45 cm)	Subtidal Subsurface (0-60 cm)	Subtidal Subsurface in Shoaling Area[1]				X[3]	Y[3]	Longitude[4]	Latitude[4]
253	4	Subtidal	2 (archive)	x		x		No	-	-	1276032	193756	-122.308145	47.521600
254	4	Subtidal	1	x			x	Yes	82	2	1276216	193734	-122.307396	47.521550
255	4	Intertidal	1	x	x			No	-	-	1276358	193714	-122.306822	47.521502
256	4	Intertidal	2 (archive)	x	x			No	-	-	1275991	193567	-122.308294	47.521081
257	4	Subtidal	1	x		x		No	-	-	1276076	193588	-122.307951	47.521142
258	4	Subtidal	2 (archive)	x			x	Yes	88	2	1276244	193636	-122.307275	47.521284
259	4	Intertidal	2 (archive)	x	x			No	-	-	1276363	193627	-122.306795	47.521265
260	4	Intertidal	2 (archive)	x	x			No	-	-	1276428	193599	-122.306529	47.521191
261	4	Subtidal	1	x			x	Yes	98	2	1276264	193518	-122.307188	47.520960
262	4	Intertidal	1	x	x			No	-	-	1276023	193394	-122.308151	47.520608
263	4	Subtidal	2 (archive)	x		x		No	-	-	1276116	193416	-122.307779	47.520673
264	4	Subtidal	2 (archive)	x			x	Yes	76	2	1276226	193416	-122.307332	47.520677
265	4	Subtidal	2 (archive)	x		x		No	-	-	1276102	193341	-122.307826	47.520465
Segment 3														
300	4	Intertidal	2 (archive)	x	x			No	-	-	1276432	193504	-122.306505	47.520931
301	4	Intertidal	2 (archive)	x	x			No	-	-	1276450	193400	-122.306424	47.520647
302	4	Intertidal	1	x	x			No	-	-	1276499	193435	-122.306229	47.520745
303	4.1	Intertidal	2 (archive)	x	x			No	-	-	1276458	193278	-122.306383	47.520312
304	4.1	Intertidal	1	x	x			No	-	-	1276488	193172	-122.306254	47.520024

Table G2
Sediment Sampling Locations

Location	RM	Category	Tier	Sample Type(s)				In FNC?[2]	Est. Shoal Thick-ness (cm)	No. of Subsurface Samples at Shoaling Locations	Target Coordinates			
				Surface (0-10 cm)	Intertidal Subsurface (0-45 cm)	Subtidal Subsurface (0-60 cm)	Subtidal Subsurface in Shoaling Area[1]				X[3]	Y[3]	Longitude[4]	Latitude[4]
305	4.1	Intertidal	1	x	x			No	-	-	1276635	193185	-122.305662	47.520067
306	4.1	Intertidal	1	x	x			No	-	-	1276537	193021	-122.306042	47.519612
307	4.1	Subtidal	2 (archive)	x		x		No	-	-	1276458	193015	-122.306361	47.519593
308	4.1	Subtidal	2 (archive)	x		x		No	-	-	1276067	192997	-122.307942	47.519521
309	4.1	Subtidal	2 (archive)	x		x		No	-	-	1276017	192814	-122.308132	47.519019
310	4.1	Subtidal	1	x		x		No	-	-	1276086	192859	-122.307854	47.519143
311	4.1	Subtidal	2 (archive)	x		x		No	-	-	1276188	192803	-122.307438	47.518996
312	4.2	Intertidal	1		x			No	-	-	1276058	192701	-122.307958	47.518710
313	4.2	Intertidal	2 (archive)	x	x			No	-	-	1276162	192694	-122.307537	47.518697
314	4.2	Intertidal	1	x	x			No	-	-	1276246	192701	-122.307196	47.518720
315	4.2	Subtidal	2 (archive)	x		x		No	-	-	1276262	192565	-122.307120	47.518347
316	4.2	Intertidal	2 (archive)	x	x			No	-	-	1276670	192854	-122.305494	47.519161
317	4.1	Intertidal	1	x	x			No	-	-	1276761	192921	-122.305129	47.519350
318	4.2	Subtidal	2 (archive)	x		x		No	-	-	1276720	192699	-122.305277	47.518739
319	4.2	Subtidal	1			x		No	-	-	1276658	192584	-122.305519	47.518421
320	4.2	Subtidal	1	x				No	-	-	1276777	192598	-122.305040	47.518465
321	4.2	Subtidal	2 (archive)	x		x		No	-	-	1276715	192501	-122.305284	47.518197
322	4.2	Subtidal	2 (archive)			x		No	-	-	1276902	192674	-122.304539	47.518680
323	4.2	Intertidal	1	x				No	-	-	1277027	192616	-122.304030	47.518528

Table G2
Sediment Sampling Locations

Location	RM	Category	Tier	Sample Type(s)				In FNC?[2]	Est. Shoal Thick-ness (cm)	No. of Subsurface Samples at Shoaling Locations	Target Coordinates			
				Surface (0-10 cm)	Intertidal Subsurface (0-45 cm)	Subtidal Subsurface (0-60 cm)	Subtidal Subsurface in Shoaling Area[1]				X[3]	Y[3]	Longitude[4]	Latitude[4]
324	4.2	Subtidal	2 (archive)	x		x		No	-	-	1277075	192740	-122.303845	47.518870
325	4.2	Intertidal	2 (archive)	x	x			No	-	-	1277219	192706	-122.303261	47.518784
326	4.2	Subtidal	1	x		x		No	-	-	1277273	192764	-122.303046	47.518946
327	4.2	Subtidal	1	x		x		No	-	-	1277189	192819	-122.303390	47.519093
328	4.2	Subtidal	1	x				No	-	-	1277209	192892	-122.303315	47.519294
329	4.2	Subtidal	1	x		x		No	-	-	1277315	192933	-122.302889	47.519412
330	4.2	Subtidal	1	x		x		No	-	-	1277358	192837	-122.302707	47.519151
331	4.2	Intertidal	1	x				No	-	-	1277452	192822	-122.302328	47.519115
332	4.2	Subtidal	1	x		x		No	-	-	1277485	192933	-122.302201	47.519421
333	4.2	Subtidal	1	x				No	-	-	1277422	192973	-122.302459	47.519527
334	4.2	Subtidal	1	x		x		No	-	-	1277431	193028	-122.302427	47.519678
335	4.2	Intertidal	1	x	x			No	-	-	1276283	192341	-122.307019	47.517735
336	4.3	Intertidal	2 (archive)		x			No	-	-	1276711	192334	-122.305288	47.517737
337	4.3	Intertidal	1	x	x			No	-	-	1276343	192109	-122.306758	47.517102
338	4.3	Intertidal	2 (archive)	x	x			No	-	-	1276422	192130	-122.306438	47.517164
339	4.3	Intertidal	2 (archive)	x	x			No	-	-	1276371	191985	-122.306634	47.516765
340	4.3	Intertidal	1	x	x			No	-	-	1276783	192207	-122.304986	47.517394
341	4.3	Intertidal	2 (archive)	x	x			No	-	-	1276829	192128	-122.304791	47.517180
342	4.4	Intertidal	1	x	x			No	-	-	1276517	191754	-122.306024	47.516138

Table G2
Sediment Sampling Locations

Location	RM	Category	Tier	Sample Type(s)				In FNC?[2]	Est. Shoal Thick-ness (cm)	No. of Subsurface Samples at Shoaling Locations	Target Coordinates			
				Surface (0-10 cm)	Intertidal Subsurface (0-45 cm)	Subtidal Subsurface (0-60 cm)	Subtidal Subsurface in Shoaling Area[1]				X[3]	Y[3]	Longitude[4]	Latitude[4]
343	4.3	Intertidal	1	x				No	-	-	1276901	191906	-122.304484	47.516575
344	4.3	Intertidal	1	x	x			No	-	-	1276917	191870	-122.304417	47.516477
345	4.4	Subtidal	2 (archive)			x		No	-	-	1276607	191549	-122.305645	47.515580
346	4.4	Subtidal	1	x		x		No	-	-	1276610	191341	-122.305616	47.515012
347	4.4	Intertidal	2 (archive)	x	x			No	-	-	1276868	191451	-122.304583	47.515326
348	4.5	Intertidal	1	x	x			No	-	-	1276950	191330	-122.304242	47.514999
349	4.5	Subtidal	2 (archive)	x		x		No	-	-	1276655	191188	-122.305423	47.514595
350	4.5	Intertidal	2 (archive)	x	x			No	-	-	1276991	191127	-122.304060	47.514445
351	4.5	Intertidal	1	x	x			No	-	-	1277046	190939	-122.303823	47.513932
352	4.6	Intertidal	1	x	x			No	-	-	1277144	190834	-122.303418	47.513649
353	4.6	Intertidal	2 (archive)	x	x			No	-	-	1277188	190742	-122.303233	47.513400
354	4.6	Intertidal	2 (archive)	x	x			No	-	-	1277046	190785	-122.303813	47.513511
355	4.5	Intertidal	2 (archive)	x	x			No	-	-	1276562	190728	-122.305765	47.513329
356	4.6	Intertidal	1		x			No	-	-	1276576	190583	-122.305697	47.512932
357	4.6	Intertidal	2 (archive)	x	x			No	-	-	1276679	190609	-122.305283	47.513008
358	4.6	Intertidal	1	x	x			No	-	-	1277333	190612	-122.302635	47.513050
359	4.7	Subtidal	2 (archive)	x		x		No	-	-	1277354	190522	-122.302546	47.512805
360	4.7	Subtidal	1			x		No	-	-	1277371	190426	-122.302469	47.512544
361	4.7	Intertidal	2 (archive)	x	x			No	-	-	1276992	190050	-122.303971	47.511492

Table G2
Sediment Sampling Locations

Location	RM	Category	Tier	Sample Type(s)				In FNC?[2]	Est. Shoal Thick-ness (cm)	No. of Subsurface Samples at Shoaling Locations	Target Coordinates			
				Surface (0-10 cm)	Intertidal Subsurface (0-45 cm)	Subtidal Subsurface (0-60 cm)	Subtidal Subsurface in Shoaling Area[1]				X[3]	Y[3]	Longitude[4]	Latitude[4]
362	4.7	Intertidal	1	x	x			No	-	-	1277150	189888	-122.303321	47.511057
363	4.7	Intertidal	2 (archive)	x	x			No	-	-	1277226	190006	-122.303023	47.511384
364	4.7	Intertidal	2 (archive)	x	x			No	-	-	1277231	189852	-122.302990	47.510964
365	4.7	Intertidal	2 (archive)	x	x			No	-	-	1277523	190238	-122.301840	47.512037
366	4.8	Intertidal	2 (archive)	x	x			No	-	-	1277633	190135	-122.301387	47.511760
367	4.7	Intertidal	1	x	x			No	-	-	1277514	190058	-122.301860	47.511543
368	4.8	Intertidal	1	x	x			No	-	-	1277627	190001	-122.301400	47.511392
369	4.7	Intertidal	1	x	x			No	-	-	1277558	189941	-122.301675	47.511224
370	4.7	Intertidal	2 (archive)	x	x			No	-	-	1277492	189847	-122.301936	47.510962
371	4.8	Subtidal	1	x		x		No	-	-	1277675	190427	-122.301240	47.512563
Segment 4														
400	4.8	Intertidal	2 (archive)	x	x			No	-	-	1278186	190432	-122.299170	47.512601
401	4.9	Intertidal	1	x	x			No	-	-	1278219	190415	-122.299037	47.512557
402	4.8	Subtidal	2 (archive)	x				No	-	-	1278189	190388	-122.299158	47.512483
403	4.9	Subtidal	2 (archive)	x				No	-	-	1278214	190320	-122.299049	47.512298
404	4.9	Subtidal	1	x				No	-	-	1278241	190354	-122.298943	47.512391
405	4.9	Subtidal	2 (archive)	x				No	-	-	1278269	190318	-122.298827	47.512295
406	4.9	Intertidal	1	x	x			No	-	-	1278298	190362	-122.298713	47.512416
407	4.9	Intertidal	1	x				No	-	-	1278327	190299	-122.298591	47.512245

Table G2
Sediment Sampling Locations

Location	RM	Category	Tier	Sample Type(s)				In FNC?[2]	Est. Shoal Thick-ness (cm)	No. of Subsurface Samples at Shoaling Locations	Target Coordinates			
				Surface (0-10 cm)	Intertidal Subsurface (0-45 cm)	Subtidal Subsurface (0-60 cm)	Subtidal Subsurface in Shoaling Area[1]				X[3]	Y[3]	Longitude[4]	Latitude[4]
408	4.9	Subtidal	2 (archive)	x				No	-	-	1278316	190262	-122.298631	47.512143
409	4.9	Intertidal	2 (archive)	x	x			No	-	-	1278372	190346	-122.298412	47.512377
410	4.9	Intertidal	1	x	x			No	-	-	1278412	190348	-122.298251	47.512384
411	4.9	Subtidal	2 (archive)	x				No	-	-	1278410	190303	-122.298256	47.512260
412	4.9	Intertidal	1	x				No	-	-	1278388	190239	-122.298341	47.512084
413	4.9	Intertidal	1	x	x			No	-	-	1278135	190122	-122.299355	47.511750
414	4.9	Intertidal	2 (archive)	x	x			No	-	-	1278413	189965	-122.298219	47.511335
415	4.9	Intertidal	2 (archive)	x	x			No	-	-	1278509	190247	-122.297851	47.512112
416	4.9	Intertidal	1	x	x			No	-	-	1278533	190248	-122.297753	47.512117
417	4.9	Intertidal	2 (archive)	x	x			No	-	-	1278537	190221	-122.297734	47.512041
418	4.9	Intertidal	1	x	x			No	-	-	1278565	190218	-122.297623	47.512034
419	4.9	Intertidal	1	x	x			No	-	-	1278622	190172	-122.297388	47.511912
420	4.9	Subtidal	2 (archive)	x				No	-	-	1278559	190135	-122.297642	47.511807
421	4.9	Intertidal	2 (archive)	x	x			No	-	-	1278654	190105	-122.297253	47.511731
422	5	Intertidal	2 (archive)	x	x			No	-	-	1278671	190051	-122.297179	47.511584
423	5	Intertidal	1	x	x			No	-	-	1278712	190048	-122.297014	47.511577
424	5	Intertidal	2 (archive)	x	x			No	-	-	1278725	189992	-122.296959	47.511425

Notes:

1. The depth of subtidal subsurface samples in shoaling areas depends on the depth of the shoaled material at that location. The estimated shoal thickness based on the updated 2019 bathymetry is presented in this table; the actual number of samples needed at each location, which depends on the shoal depth, will be determined based on measurements in the field.
2. For samples in shoaling areas, 1-foot (30-cm) Z-samples will be collected and archived to characterize the interval from -17 to -18 feet MLLW (see Section 4.1.2).
3. NAD83 State Plane Washington North coordinates – US survey feet.
4. NAD83 geographic coordinates – decimal degrees.

FNC: federal navigation channel
MLLW: mean lower low water
NAD83: North American Datum of 1983
RM: river mile