

4.5.2 Response Strategy Matrices

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
BURKC-0.05	Burke Creek (WA) 45.94033 -122.78492	Collection	Boom 200ft, Sorbent 100ft	Yes	Onsite Stage onsite in lift station parking area.	Downstream Resources, Wetland Habitat	Site is at Consolidated Dike Improvement District #2 lift station.	73	155
BYBEC-0.05	Bybee Creek (WA) 45.96749 -122.81455	Culvert Block	Sorbent 100ft	No	Onsite Stage from Dupont Road. Follow WSDOT guidelines for work in traffic zone.	Downstream Resources, Fish and Wildlife Resources	Access is via dead-end road near railroad tracks. Two culverts run under railroad tracks to the Columbia River.	73	157
CHINR-0.3	Chinook River (WA) 46.30388 -123.96730	Exclusion	Boom 100ft	No	Onsite Stage on shoulder of US-101 on river right.	Habitat Restoration Site/Project, Wetland Habitat	Site is at narrow channel formed by highway land bridge. WDFW-managed tide gates can be closed, but they can only be closed at slack tide and may take some time for responders to arrive on scene.	63	159
CRKDC-0.25	Crooked Creek (WA) 46.29590 -123.68101	Exclusion	Boom 200ft	Yes	Onsite Stage on shoulder of Altoona-Pillar Rock Rd. Use WSDOT guidelines for work zone traffic control.	Sensitive Wetland Area, Tidal Marshes	Road access on Altoona - Pillar Rock Rd (403): take to where it crosses Crooked Creek. Grays Bay is too shallow for access from Columbia River.	64	161

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CWLZR-1.0	BNSF Rail Yard (WA) 46.10443 -122.89124	Collection	Boom 1000ft	Yes	Onsite Stage at BNSF Rail Yard. Contact Longview Yard Master for access.	Downstream Resources	Expect trains on the track at any time/from either direction. Do not allow people/equipment within 25' of tracks. Site is BNSF rail yard at the confluence of the Cowlitz, Columbia, and Coweeman Rivers.	71	163
DEEPR-0.9	Deep River (WA) 46.31419 -123.71348	Collection	Boom 900ft	Yes	Onsite Stage at WDFW boat launch on Oneida Rd.	Downstream Resources, Waterfowl Use Area, Wetland Habitat	Site is a WDFW-managed boat launch and parking area with restroom and docks. River widens and slows in this location. Discover Pass Required.	64	167
ELOCR-1.6	Elochoman River (WA) 46.22687 -123.40069	Exclusion	Boom 600ft	Yes	Onsite Stage on shoulder of Steamboat Slough Rd.	Wetland Habitat, Wildlife Refuge	Site access is on Steamboat Slough Rd. near Julia Butler Hansen Refuge for Columbia White Tail Deer. Many sloughs and wetlands in this area.	66	169
GC-1.2	Gibbons Creek at Hwy 14 (WA) (FBS MP-28.75) 45.57110 -122.31584	Containment	Boom 100ft	No	Onsite Stage on south shoulder of highway on west side of creek	Downstream Resources, Freshwater Wildlife, Sensitive Resources Nearby	Call BNSF. Call USACE. Expect trains on the track at any time/from either direction. Do not allow people/equipment within 25' of tracks. East side of bridge will allow access into Steigerwald Lake National Wildlife Refuge, heading towards river.	83	171

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GRAYR-1.9	Grays River (WA) 46.30789 -123.67185	Collection	Boom 500ft	Yes	Onsite Stage onsite on Altoona-Pillar Rock Rd.	Waterfowl Use Area, Wetland Habitat	Site is at sharp bend in Grays River at intersection of Altoona-Pillar Rock Rd. and Mattson Rd. Remnants of dock and log boom are present.	64	173
KLMAR-0.7	WDFW Boat Launch on Kalama River (WA) 46.03867 -122.86470	Collection, Deflection	Boom 700ft	Yes	Onsite Stage at SA-KLMAR-0.7 , WDFW boat launch parking area.	Downstream Resources	Site is a WDFW boat launch used frequently by boaters and fishermen. River bends, widens, and slows in this location.	72	175
L&C-1.2	Lewis and Clark River (OR) 46.15003 -123.86035	Collection	Boom 1000ft	Yes	Remote Stage and launch at East Mooring Basin	Foraging Shorebirds and Seabirds, National Park, Wintering Waterfowl	Access by boat from East Mooring Basin.	63	177
L&C-1.7	Jeffers Slough (OR) 46.14461 -123.86393	Exclusion	Boom 500ft	Yes	Remote Stage and launch at East Mooring Basin BL-LCR-15.8L	Foraging Shorebirds and Seabirds, National Park, Sensitive Resources, Wintering Waterfowl	Access by boat from launch at Yacht Club near bridge or at Tides Point across from Daggett Point. Access also possible through property of Astoria Marine Construction. Low-flow only.	63	179
L&C-2.3	Barrett Slough (OR) 46.13731 -123.86807	Exclusion	Boom 300ft	Yes	Remote Stage and launch at East Mooring Basin	Foraging Shorebirds and Seabirds, National Park, Wintering Waterfowl	Access by boat from launch at East Mooring Basin. Low flow only.	63	181

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L&C-2.6	Green Slough (OR) 46.13408 -123.87378	Exclusion	Boom 300ft	Yes	Remote Stage and launch at East Mooring Basin BL-LCR-15.8L	Foraging Shorebirds and Seabirds, National Park, Wintering Waterfowl	Access by boat at high tide from launch at East Mooring Basin. Low flow only.	63	183
LCR-2.2R	Cape Disappointment State Park (WA) 46.28629 -124.05104	Collection	Boom 600ft	Yes	Onsite Stage onsite at SA-LCR-2.2R	Marshland(s), Public Lands/Facilities, Recreational Use Area, Sensitive Resources Nearby, State Park	Site is a boat launch and parking area with breakwall protecting boat ramps.	63	185
LCR-2.4R	USCG Station Cape Disappointment (WA) 46.28073 -124.04419	Collection	Boom 600ft	Yes	Onsite Stage onsite at USCG Station Cape Disappointment	Public Lands/Facilities, Sensitive Resources Nearby, State Park	Site is USCG Station with restricted access. Contact USCG Station for access.	63	187
LCR-3.5R	Wallacut River (WA) 46.31580 -124.02048	Collection, Exclusion	Boom 200ft	Yes	Onsite Stage onsite at 1664 US-101, Ilwaco, WA	Fish and Wildlife Resources, Wetland Habitat	Best access by road on private property. Contact property owner before deploying strategy.	63	189
LCR-6.8L	Jetty Lagoon West (OR) 46.21506 -123.97890	Exclusion	Boom 500ft	Yes	Remote Stage at SA-LCR-8.7L Hammond Marina, launch at same BL-LCR-8.7L .	Salmonids, Waterfowl and Shorebird Concentrations, Wetland Habitat	Boat access only. Flow through the opening can be high during tidal exchanges, add boom as necessary to prevent entrainment.	63	191

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LCR-7.1L	Jetty Lagoon East (OR) 46.21438 -123.97765	Exclusion	Boom 500ft	Yes	Remote Stage at SA-LCR-8.7L Hammond Marina, launch at same BL-LCR-8.7L .	Salmonids, Waterfowl and Shorebird Concentrations, Wetland Habitat	Boat access only. Flow through the opening can be high during tidal exchanges, add boom as necessary to prevent entrainment.	63	193
LCR-7.5L	Swash Lake (OR) 46.21088 -123.97387	Exclusion	Boom 500ft	Yes	Remote Stage at SA-LCR-8.7L Hammond Marina, launch at same BL-LCR-8.7L .	Waterfowl and Shorebird Concentrations, Wetland Habitat	Creek connects Jetty Lagoon to Swash Lake to the south. Mouth of creek is very shallow at low water and may not be accessible except for high water. Pilings and jetty to NE of strategy.	63	195
LCR-8.4R	Chinook Point 46.25171 -123.92438	Deflection	Boom 500ft	Yes	Remote Stage at SA-LCR-6.1R , Port of Chinook	Public Recreation Site/Area, State Park	Chinook Pt. is a rocky outcropping with pocket sand beaches at Fort Columbia State Park. This strategy will be very difficult to anchor without installing a permanent anchor point. Contact WA State Parks before installing anchor.	63	197
LCR-8.5R	Chinook Point (WA) 46.25115 -123.92267	Deflection	Boom 500ft	Yes	Remote Stage at SA-LCR-6.1R , Port of Chinook	Public Recreation Site/Area, State Park	Chinook Pt. is a rocky outcropping with pocket sand beaches at Fort Columbia State Park. This strategy will be very difficult to anchor without installing a permanent anchor point. Contact WA State Parks before installing anchor.	63	199

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LCR-10.1L	Tansy Point (OR) 46.19152 -123.92457	Collection, Deflection	Boom 400ft	Yes	Remote Stage at Hammond Marina SA-LCR-8.7L ; launch same BL-LCR-8.7L	Economic Resource	Boat access and by land at wood chipping company (need permission of company). Will work with a NW wind and a flood tide.	63	201
LCR-10.8L	Inner Skipanon Waterway (OR) 46.17977 -123.90937	Exclusion	Boom 800ft	Yes	Remote Stage + launch at Warrenton Marina SA-SKPR-1.4 , approximately 1 mile upriver	Salmonid Concentrations and Habitat	Access via sandy spit collection points. Low flow only.	63	203
LCR-10.9L	Outer Skipanon Waterway (OR) 46.18169 -123.90788	Collection, Deflection	Boom 600ft	Yes	Remote Stage + launch at Warrenton Marina BL-SKPR-1.4 , approximately 1 mile upriver	Salmon Concentrations and Habitat	Boat can only reach site during high tide.	63	205
LCR-19.0L	Clatsop Community College Dock 46.18984 -123.74557	Exclusion	Boom 1000ft	Yes	Remote Stage at SA-LCR-17.7L , Tongue Point Boat Launch	Economic Resource	Access by boat or vehicle from the USCG Station.	64	207
LCR-19.2L	John Day River (OR) 46.18146 -123.74119	Exclusion	Boom 800ft	Yes	Remote Stage at SA-JDAYR-0.5 John Day Boat Launch	Sensitive Nesting Species, Waterfowl, Wetlands	Do not allow people/equipment within 25' of any railroad track. Access via boat (at high tide).	64	209

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LCR-19.3L	Twilight Marsh (Eskeline Creek) (OR) 46.17040 -123.69934	Exclusion	Boom 100ft, Sorbent 100ft	Yes	Remote Stage at SA-JDAYR-0.5 John Day boat ramp, launch at same BL-JDAYR-0.5 .	Sensitive Nesting Species	Do not allow people/equipment within 25' of any railroad track. Access via boat at high tide.	64	211
LCR-19.9L	Marys Creek (OR) 46.17319 -123.66829	Exclusion	Boom 100ft, Sorbent 100ft	Yes	Remote Stage at SA-JDAYR-0.5 John Day boat ramp, launch at same BL-JDAYR-0.5 .	Salmon Concentrations and Habitat	Do not allow people/equipment within 25' of any railroad track. Access via boat (at high tide)	64	213
LCR-20.0L	Bear Creek (OR) 46.17191 -123.66568	Exclusion	Boom 200ft	Yes	Remote Stage at SA-JDAYR-0.5 John Day boat ramp, launch at same BL-JDAYR-0.5 .	Salmon Concentrations and Habitat	Access via boat at high tide.	64	215
LCR-20.3L	Ferris Creek (OR) 46.17137 -123.65548	Exclusion	Boom 300ft	Yes	Remote Stage at SA-JDAYR-0.5 John Day boat ramp, launch at same BL-JDAYR-0.5 .	Salmon Concentrations and Habitat	Do not allow people/equipment within 25' of any railroad track. Access via boat (at high tide)	64	217
LCR-26.4M	NW Karlson Island (OR) 46.20831 -123.61158	Exclusion	Boom 400ft	Yes	Remote Stage at SA-LCR-17.7L Tongue Point, launch from same BL-LCR-17.7L	Freshwater Marsh, High Productivity Area, Sensitive Nesting Species, Waterfowl Concentrations	Access from water only	64	219

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LCR-27.2L	Big Creek (OR) 46.18462 -123.59612	Exclusion	Boom 200ft	Yes	Remote Stage at SA-LCR-17.7L Tongue Point, launch from same BL-LCR-17.7L	Salmonid Concentrations and Habitat, Wetlands	Do not allow people/equipment within 25' of railroad tracks. Boat access only. River banks are sturdy and provide good anchor points.	64	221
LCR-27.5L	Warren Slough (OR) 46.18928 -123.58784	Exclusion	Boom 500ft	Yes	Remote Stage at SA-LCR-17.7L Tongue Point, launch from same BL-LCR-17.7L	Sensitive Resources, Sensitive Wetland Area	Site is at wide slough opening to the north and a smaller slough opening to the south. Strategy is exclusion for both openings.	64	223
LCR-27.9L	Grizzly Slough (OR) 46.20330 -123.56667	Exclusion	Boom 500ft	Yes	Remote Stage at SA-LCR-17.7L Tongue Point, launch from same BL-LCR-17.7L	Sensitive Wetland Area	Boat access only through Blind Slough, just downstream of swing bridge.	64	225
LCR-29.0L	Blind Slough Net Pens (OR) 46.20277 -123.54434	Exclusion	Boom 500ft	Yes	Remote Stage at SA-LCR-17.7L Tongue Point, launch from same BL-LCR-17.7L	Fish Pens	Site is fish net pens on Blind Slough, just west of bridge. Land access from dock at 43201 Penttila Ln, Astoria, OR, 97103	64	227
LCR-29.2L	Gnat Creek (OR) 46.19904 -123.53310	Exclusion	Boom 300ft	Yes	Remote Stage at SA-LCR-17.7L Tongue Point, launch from same BL-LCR-17.7L	Sensitive Wetland Area	Site is boat access only, but may be accessible by land through private property. There is an unverified boat ramp on Ziak-Gnat Creek Rd.	64	229
LCR-33.2M	Welch Island sloughs (OR) 46.25610 -123.48577	Exclusion	Boom 400ft	Yes	Remote Stage at Skamokawa Vista Park, SA-LCR-33.5R	National Wildlife Refuge, Sensitive Wetland Habitat	Boat access only from Skamokawa Vista Park	65	231

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LCR-33.3M	Welch Island sloughs (OR) 46.25307 -123.48468	Exclusion	Boom 400ft	Yes	Remote Stage at Skamokawa Vista Park, SA-LCR-33.5R	National Wildlife Refuge, Sensitive Wetland Habitat	Boat access only from Skamokawa Vista Park.	65	233
LCR-33.5R	Skamokawa Creek and Brooks Slough (WA) 46.26812 -123.45657	Collection, Exclusion	Boom 600ft	Yes	Onsite Stage at SA-LCR-33.5R , Skamokawa Vista Park	Economic Resource, Wetland Habitat	Site is at Skamokawa Vista Park beach on creek right and private property on creek left. To the extent possible, coordinate with neighbors before deploying strategy.	65	235
LCR-33.7R	Steamboat Slough - (WA) 46.26664 -123.45372	Collection, Diversion	Boom 1000ft	Yes	Onsite Stage at parking lot for hotel. Launch boat from Skamokawa Vista Park, BL-LCR-33.5R .	Shorebird Concentrations, Wetland Habitat, Whitetail Deer Habitat, Wildlife Refuge	Site at hotel with docks and parking area for staging vac truck. Notify hotel operator of any response actions on this property.	65	237
LCR-34.4M	NW entrance to Red Slough (OR) 46.24094 -123.47880	Exclusion	Boom 800ft	Yes	Remote Stage at SA-LCR-33.5R , Skamokawa Vista Park	Emergent Wetlands	Between Welch and Tenasillahe Islands. Boat access only.	65	239
LCR-34.6M	Welch Island sloughs (OR) - east side of island 46.24827 -123.45883	Exclusion	Boom 500ft	Yes	Remote Stage at Skamokawa Vista Park, SA-LCR-33.5R	National Wildlife Refuge, Sensitive Wetland Habitat	Boat access only to sloughs on east side of Welch Island.	65	241

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LCR-34.7M	Red Slough - NW Tenasillahe Island (OR) 46.23524 -123.47741	Exclusion	Boom 600ft	Yes	Remote Stage at SA-LCR-33.5R , Skamokawa Vista Park	Emergent Wetlands	Boat access only between Welch and Tenasillahe Islands (OR).	65	243
LCR-35.0M	Red Slough- E side of Tenasillahe Island (OR) 46.24289 -123.45164	Exclusion	Boom 800ft	Yes	Remote Stage at SA-LCR-33.5R , Skamokawa Vista Park	Emergent Wetlands	Boat access only, between Welch and Tenasillahe Islands.	65	245
LCR-35.0R	JBH Refuge Levee Breach #1 (WA) 46.25047 -123.43421	Exclusion	Boom 800ft	Yes	Onsite Stage on Steamboat Slough Rd. (road is closed to vehicle traffic).	Shorebird Concentrations, Whitetail Deer Habitat, Wildlife Refuge	Site is where USACE recently (2014) breached old levee to allow flow into wetland area. Breach is ~170yds. across at full bank levels, and there is a channel dug to -2ft. so that it always has water in it.	65	247
LCR-35.3R	JBH Refuge Levee Breach #2 (WA) 46.24624 -123.43134	Exclusion	Boom 800ft	Yes	Onsite Stage on Steamboat Slough Rd. (road is closed to vehicle traffic- contact JBH Refuge for access)	Shorebird Concentrations, Whitetail Deer Habitat, Wildlife Refuge	Site is where USACE recently (2014) breached old levee to allow flow into wetland area. This levee breach is ~170yds. across at bankfull levels and only has water over it at high tides.	66	249
LCR-35.7R	Steamboat Slough - E end (WA) 46.24415 -123.43014	Collection, Diversion	Boom 800ft	Yes	Onsite Stage onsite in parking/staging area off of Steamboat Slough Rd.	Shorebird Concentrations, Whitetail Deer Habitat, Wildlife Refuge	Collection location at sand beach off of Steamboat Slough Rd. Contact JBH Refuge for access.	66	251

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LCR-36.0R	Elochoman Slough - N Entrance (WA) 46.23922 -123.42152	Collection, Exclusion	Boom 800ft	Yes	Onsite Stage on Steamboat Slough Rd. (road is closed to vehicle traffic-contact JBH Refuge for access)	Shorebird Concentrations, Whitetail Deer Habitat, Wildlife Refuge	Elochoman Slough runs at about 1-1.5kts. Heavy vegetation and debris on banks.	66	253
LCR-37.2R	Elochoman Slough - middle entrance (WA) 46.22165 -123.41397	Exclusion	Boom 800ft	Yes	Remote Stage at SA-LCR-38.6R , Elochoman Slough Marina	Shorebird Concentrations, Wetland Habitat, Whitetail Deer Habitat, Wildlife Refuge	Current is relatively slow (1-1.5 knots) in slough. Log rafts may be present in this area.	66	255
LCR-37.7M	Tenasillahe Island (OR) 46.21236 -123.45018	Collection, Deflection	Boom 500ft	Yes	Remote Stage at SA-LCR-38.6R , Elochoman Slough Marina	Emergent Wetlands	Boat access only from Elochoman Slough Marina, Cathlamet. Current is 2-4 knots, strong winds. Log rafts may be present in this area.	65	257
LCR-38.2L	Clifton Channel (OR) 46.20789 -123.45253	Collection, Deflection	Boom 500ft	Yes	Remote Stage at SA-LCR-38.6R , Elochoman Slough Marina	Emergent Wetlands	Vehicle access from Clifton Road and railroad access along bank.	65	259
LCR-38.5M	Clifton Channel Mouth North (OR) 46.20333 -123.43492	Deflection	Boom 800ft	Yes	Remote Stage at Elochoman Slough Marina, SA-LCR-38.6R	Emergent Wetlands	Boat access only. Current is 2-4 knots, and strong winds. Log rafts may be present in this area.	65	261

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LCR-38.6R	Elochoman Slough - S Entrance (WA) 46.20540 -123.39002	Collection, Exclusion	Boom 800ft	Yes	Onsite Stage at Elochoman Slough Marina, SA-LCR-38.6R	Marsh Habitat, Shorebird Concentrations, Whitetail Deer Habitat, Wildlife Refuge	South entrance of Elochoman Slough at the Elochoman Slough Marina (Cathlamet, WA). Slough runs through large wetland area and Julia Butler Hansen Refuge for the Whitetail Deer.	66	263
LCR-38.8L	Clifton Channel Mouth South (OR) 46.19778 -123.43586	Deflection	Boom 500ft	Yes	Remote Stage at SA-LCR-38.6R , Elochoman Slough Marina	Emergent Wetlands	Current is 2-4 knots, strong winds. Log rafts may be present in this area.	65	265
LCR-40.5M	Puget Island/ Birnie Slough - W end (WA) 46.19466 -123.40031	Collection, Exclusion	Boom 800ft	Yes	Remote Stage and launch from Elochoman Slough Marina, BL-LCR-38.6R	Economic Resource, Houseboats, Recreational Boating	Strategy is at the mouth of Birnie Slough, just downstream from private docks.	67	267
LCR-41.3M	Puget Island/ Welcome Slough (WA) 46.17168 -123.40544	Exclusion	Boom 600ft	Yes	Remote Stage at Svenson Park Boat Launch, SA-LCR-41.8M	Economic Resource	Mouth of Welcome Slough, which has many private homes, docks, and recreational vessels.	67	269
LCR-41.6L	Wauna (OR) 46.15999 -123.40512	Collection	Boom 1000ft	Yes	Onsite Stage onsite at Wauna Mill.	Downstream Habitat, Downstream Resources, National Wildlife Refuge	Site access is through Wauna mill.	67	271

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LCR-42.5L	Driscoll Slough (OR) (Hanson Slough) 46.15155 -123.39653	Exclusion	Boom 400ft	Yes	Remote Stage at Westport boat ramp, SA-LCR-43.8L . Launch from same BL-LCR-43.8L .	Wetland Habitat	Site is accessed through Wauna Mill. Contact site managers before deploying strategy.	67	273
LCR-43.2L	Westport Slough (OR) 46.14370 -123.38341	Collection, Exclusion	Boom 800ft	Yes	Remote Stage at Westport Boat Ramp, SA-LCR-43.8L	Salmonid Concentrations and Habitat	Site is at mouth of Westport Slough along active ferry route for Cathlamet-Westport ferry.	67	275
LCR-44.0M	Puget Island/ Birnie Slough - E End (WA) 46.17590 -123.35605	Deflection	Boom 500ft	Yes	Remote Stage at SA-LCR-38.6R , Elochoman Slough Marina	Economic Resource, Wetland Habitat	East entrance of Birnie Slough is shoaled and shallow in places. Anchor points will change depending on water level.	67	277
LCR-44.1M	Puget Island/ Birnie Slough - E End (WA) 46.17360 -123.35285	Deflection	Boom 500ft	Yes	Remote Stage at SA-LCR-38.6R , Elochoman Slough Marina	Economic Resource, Wetland Habitat	East entrance of Birnie Slough is shoaled and shallow in places. Anchor points will change depending on water level.	67	279
LCR-44.3M	Puget Island/ Net Rack Slough - (WA) 46.15079 -123.35499	Exclusion	Boom 500ft	Yes	Onsite Stage onsite at private residence	Backwater Habitat, Wetland Habitat	Site is at private residence at mouth of slough. Property owner is Arthur Vick. Make effort to contact with homeowner before deploying strategy.	67	281

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LCR-45.0M	Puget Island/East End Sloughs/S of Jackson Inlet 46.16441 -123.34156	Exclusion	Boom 300ft	Yes	Remote Stage at SA-LCR-38.6R , Elochoman Slough Marina	Backwater Habitat, Shorebird Concentrations, Wetland Habitat	Boat access only. This is the northernmost of two slough openings.	67	283
LCR-45.2M	Puget Island/East End Sloughs (WA) 46.16176 -123.33794	Exclusion	Boom 500ft	Yes	Remote Stage at SA-LCR-38.6R , Elochoman Slough Marina	Backwater Habitat, Shorebird Concentrations, Wetland Habitat	Boat access only. This is the southernmost of two slough entrances at this location.	67	285
LCR-48.1M	Wallace Island Slough - NW end (OR) 46.14060 -123.27616	Exclusion	Boom 600ft	Yes	Remote Stage at Westport boat ramp, SA-LCR-43.8L . Launch from same BL-LCR-43.8L .	Mudflat Habitat, Waterfowl, Whitetail Deer Habitat	Boat access only. Water depth is likely to be very shallow. When the river is low, booming will likely not be necessary or feasible.	66	287
LCR-48.6M	Wallace Island Slough - SW end (OR) 46.13738 -123.26420	Exclusion	Boom 500ft	Yes	Remote Stage at Westport boat ramp, SA-LCR-43.8L . Launch from same BL-LCR-43.8L .	Mudflat Habitat, Whitetail Deer Habitat, Whitetail Deer Habitat	Boat access only. Water is very shallow in this area and at low water booming may not be feasible or necessary.	66	289
LCR-48.8M	Wallace Island Slough - S center (OR) 46.13720 -123.25141	Exclusion	Boom 500ft	Yes	Remote Stage at Westport boat ramp, SA-LCR-43.8L . Launch from same BL-LCR-43.8L .	Wetland Habitat, Whitetail Deer Habitat, Wildlife Refuge	Boat access only. Water is very shallow in this area. At low water, booming may not be feasible or necessary.	66	291

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LCR-49.1M	Wallace Island Slough - North center (OR) 46.14255 -123.25016	Exclusion	Boom 400ft	Yes	Remote Stage at Port Westward boat launch, SA-LCR-53.8L . Launch from same BL-LCR-53.8L .	Marsh Habitat, National Wildlife Refuge, Waterfowl, Whitetail Deer Habitat	Boat access only. Water is very shallow. At low water, access to strategy may not be possible.	66	293
LCR-49.7L	Clatskanie River - E side (OR) 46.13935 -123.23099	Exclusion	Boom 600ft	Yes	Remote Stage at Port Westward boat launch, SA-LCR-53.8L . Launch from same BL-LCR-53.8L .	Osprey Nest(s), Salmon Concentrations and Habitat, Wetlands	Site is at the mouth of the Clatskanie River at the Columbia River. May also be referred to as Beaver Slough. Strategy works together with collection at LCR-49.8L .	66	295
LCR-49.8L	Clatskanie River - W side (OR) 46.14176 -123.23053	Collection	Boom 600ft	Yes	Remote Stage at Port Westward boat launch, SA-LCR-53.8L . Launch from same BL-LCR-53.8L .	Osprey Nest(s), Salmon Concentrations and Habitat, Wetlands	Contact property owner before deploying. Site is at the confluence of Clatskanie River with Lower Columbia River and is surrounded by private agricultural property. May also be referred to as Beaver Slough. Strategy works together with exclusion at LCR-49.7L .	66	297
LCR-50.5L	Upstream Wallace Island (OR) 46.14687 -123.22859	Exclusion	Boom 1800ft	Yes	Remote Stage at Port Westward, SA-LCR-53.8L . Launch from same BL-LCR-53.8L .	Osprey Nest(s), Salmon Concentrations and Habitat, Wetlands	Side channel of Columbia River with forested islands	66	299

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-53.8R	Mill Creek (WA) 46.18850 -123.17569	Collection	Boom 1000ft	Yes	Onsite Stage onsite at large gravel parking area on W side of creek and N side of highway.	Downstream Resources	Strong currents, particularly during outgoing tides, may make collection difficult. Vehicle access from Highway 4 to parking area on west side of creek.	66	301
LCR-54.2R	Abernathy Creek (WA) 46.19092 -123.16740	Exclusion	Boom 300ft	Yes	Remote Stage at Port Westward boat launch, SA-LCR-53.8L . Launch from same BL-LCR-53.8L .	Hérons and Other Wading Birds, Salmon Concentrations and Habitat, Sensitive Resources Nearby, Sensitive Shoreline and Back-Beach, Shorebirds	Strategy site has limited vehicle access but is best accessed via boat. Do not use stakes or anchor posts in this area.	69	303
LCR-54.4M	Gull/ Crims Islands - W opening (OR) 46.18419 -123.15950	Exclusion	Boom 500ft	Yes	Remote Stage at Port Westward boat launch, SA-LCR-53.8L . Launch from same BL-LCR-53.8L .	Wetland Habitat	Water in this area is very shallow. At low water, strategy may not be feasible or necessary.	69	305
LCR-55.1M	Crims Island-South Side (OR) 46.17278 -123.15106	Exclusion	Boom 700ft	Yes	Remote Stage at Port Westward boat launch, SA-LCR-53.8L . Launch from same BL-LCR-53.8L .	Mudflat Habitat, Wetlands Restoration Site	Water is very shallow in this area. During low water, strategy may not be feasible or necessary.	69	307

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-55.3M	Gull Island-North Side (OR) 46.18309 -123.14644	Exclusion	Boom 800ft	Yes	Remote Stage from Willow Grove County Park, SA-LCR-57.8R	Mudflat Habitat, Wetland Habitat	Boat access only. This strategy is only needed during high flow conditions.	69	309
LCR-55.4L	John Slough (OR) 46.16923 -123.14627	Exclusion	Boom 200ft	Yes	Remote Stage at Port Westward boat launch, SA-LCR-53.8L . Launch from same BL-LCR-53.8L .	Wetland Habitat	Best access to this strategy is by boat, but there is limited vehicle access from Kallunki Rd. Water is very shallow in this area. Strategy may not be feasible at low water.	69	311
LCR-55.5M	Gull/Crims Islands - East opening (OR) 46.18175 -123.14447	Exclusion	Boom 400ft	Yes	Remote Stage at Willow Grove County Park, SA-LCR-57.8R	Wetland Habitat	Boat access only. Water is very shallow in this area and access will not be possible during low water. Strategy is only necessary during high water.	69	313
LCR-55.6M	Crims Island Channel (OR) 46.17158 -123.14226	Exclusion	Boom 300ft	Yes	Remote Stage at Port Westward boat launch, SA-LCR-53.8L . Launch from same BL-LCR-53.8L .	Wetland Habitat, Wetlands Restoration Site	Boat access only. This strategy is needed for all water levels.	69	315

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-55.7R	Germany Creek (WA) 46.18975 -123.12534	Exclusion	Boom 100ft	Yes	Remote Stage at SA-LCR-57.8R , Willow Grove County Park	Osprey Nest(s), Salmonid Concentrations and Habitat, Sensitive Resources, Sensitive Shoreline and Back-Beach	Best access for this strategy is by boat, although there is limited landside access from WA-4. Do not use anchor posts in this area, particularly on east side of creek.	69	317
LCR-55.9R	Coal Creek Slough (WA) 46.18961 -123.11635	Exclusion	Boom 500ft	Yes	Remote Stage at SA-LCR-57.8R , Willow Grove County Park	Slough and Marsh Habitat, Wetland Habitat	Boat access only. Site is at the mouth of Coal Creek Slough.	69	319
LCR-58.7M	Fisher Island/Hump Island (WA) 46.16916 -123.07608	Exclusion	Boom 800ft	Yes	Remote Stage at SA-LCR-57.8R , Willow Grove County Park	Wetland Habitat	This strategy is most necessary on incoming tide or a strong upriver wind. Boat access only. Water is very shallow in this area for much of the year.	68	321
LCR-58.8R	Fisher Island Slough - W end (WA) 46.17179 -123.07372	Collection	Boom 1000ft	Yes	Remote Stage at SA-LCR-57.8R , Willow Grove County Park	Downstream Resources, Wetland Habitat	Deploy both segments of boom if the strategy will be in place over multiple tidal cycles. Site can be accessed by vehicle via Willow Grove Road, but best access is via boat. Shoulders of road are narrow.	68	323
LCR-58.9M	Fisher Island - W end (WA) 46.17110 -123.07090	Exclusion	Boom 600ft	Yes	Remote Stage at Willow Grove County Park, SA-LCR-57.8R	Wetland Habitat	Boom length required will vary depending on water level in the marsh.	68	325

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-58.95M	Fisher Island - West End (WA) 46.17043 -123.07205	Deflection	Boom 500ft	Yes	Remote Stage at Willow Grove County Park, SA-LCR-57.8R	Wetland Habitat	Boat access from the ramp at Willow Grove Park.	68	327
LCR-59.8L	Walker Island (OR) 46.15128 -123.06239	Collection	Boom 600ft	Yes	Remote Stage at SA-LCR-57.8R , Willow Grove County Park	Downstream Resources	Boat access only. At 30 feet from shore water is about 25 feet deep. Do not allow people/equipment within 25' of railroad tracks.	68	329
LCR-60.2M	Fisher Island - E end (WA) 46.16526 -123.05029	Exclusion	Boom 700ft	Yes	Remote Stage at SA-LCR-57.8R , Willow Grove County Park	Wetland Habitat	Boat access only. This strategy may be difficult to implement under high flow conditions.	68	331
LCR-64.0M	Lord Island - E end (OR) 46.12177 -122.99828	Collection, Exclusion	Boom 1600ft	Yes	Remote Stage at SA-LCR-57.8R , Willow Grove County Park	Waterfowl Use Area, Wetland Habitat	This strategy may only be feasible during low water and low flow conditions.	68	333
LCR-64.4L	Slaughters Dike (OR) 46.11830 -122.99029	Collection	Boom 600ft	Yes	Onsite Stage at SA-LCR-67.1L , Rainier City Marina. Launch at same BL-LCR-67.1L or from beach onsite.	Downstream Resources	Good vehicle access with sandy beach for recovery.	68	335
LCR-65.9R	Port of Longview (WA) 46.10691 -122.95932	Collection	Boom 700ft	Yes	Remote Stage at Gerhart Gardens Park, SA-CWLZR-1.6	Downstream Resources	Protected area under Lewis and Clark Bridge at the Port of Longview.	70	337

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-66.2R	Port of Longview (WA) 46.10407 -122.95160	Collection	Boom 800ft	Yes	Onsite Stage onsite at Port of Longview.	Downstream Resources	Vehicle access from Longview to the port docks. Boat access from the Ramp at Willow Grove Park or Rainier.	70	339
LCR-70.0M	Cottonwood Island - E side slough (WA) 46.08176 -122.87675	Exclusion	Boom 600ft	Yes	Remote Stage at Sportsmen's Club, SA-LCR-72.7R	Wetland Habitat	Boat access only. Slough entrance is very shallow.	71	341
LCR-71.4R	Carrolls Channel - S end (WA) 46.05817 -122.86829	Exclusion	Boom 1000ft	Yes	Remote Stage at Sportsmen's Club, SA-LCR-72.7R	Wetland Habitat	Boat access only. Water is shallow with little current.	72	343
LCR-71.5M	Carrolls Channel - S End (WA) 46.05537 -122.87633	Collection	Boom 1400ft	Yes	Remote Stage at SA-LCR-72.7R , Sportsmen's Club	Downstream Habitat, Wetland Habitat	Boat access only. Large beach area.	72	345
LCR-71.6R	Carrolls Channel - S end (WA) 46.05253 -122.87491	Collection, Deflection	Boom 800ft	Yes	Remote Stage at SA-LCR-72.7R , Sportsmen's Club	Downstream Resources, Wetland Habitat	Vehicle access from east shore, Port of Kalama property.	72	347
LCR-73.7L	Goble Creek (OR) 46.02052 -122.87656	Exclusion	Boom 100ft	Yes	Remote Stage at SA-LCR-74.5L , Goble Marina. Launch at same BL-LCR-74.5L .	Salmon Concentrations and Habitat	Railroad tracks and US-30 cross Goble Creek at this site. Salmon habitat. Peak times are Sept - Oct, Apr - May.	71	349
LCR-76.0L	Tide Creek (OR) 45.99420 -122.86667	Exclusion	Boom 1000ft	Yes	Remote Stage at Port of Kalama Marina, SA-LCR-75.2R	Salmon Concentrations and Habitat, Wetland Habitat	Boat access only. Log rafts in area may complicate deployment. Numerous pilings in water.	71	351

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-78.9R	Mill Creek Outfall 45.95777 -122.80413	Collection	Boom 200ft, Sorbent 200ft	Yes	Remote Stage and launch from Port of Kalama Marina, BL-LCR-75.2R	Canadian Goose Nesting Habitat, Downstream Resources, Waterfowl (Wintering)	Confluence of Mill Creek and Columbia River just downstream of Martin Island. Mill Creek is submerged under I-5 and BNSF tracks and enters river via outfall pipe.	73	353
LCR-79.5R	Martin Island - N end (WA) 45.95598 -122.80060	Exclusion	Boom 800ft	Yes	Remote Stage at Woodland Bottoms, SA-LCR-82.1R	Canadian Goose Nesting Habitat, Waterfowl (Wintering)	Boat access only. Shallow water and pilings at north end of Martin Island.	73	355
LCR-79.8L	Goat Island - N end (OR) 45.94802 -122.82068	Exclusion	Boom 700ft	Yes	Remote Stage at Woodland Bottoms, SA-LCR-82.1R . Launch at same BL-LCR-82.1R .	Geese (Summer), Waterfowl (Wintering)	Boat access only. This strategy is mainly needed if oil is moving upriver due to wind or tidal current.	73	357
LCR-81.0M	Martin Island - S end (WA) 45.93539 -122.79825	Exclusion	Boom 800ft	Yes	Remote Stage at Woodland Bottoms, SA-LCR-82.1R	Geese (Summer), Waterfowl (Wintering)	Boat access only. Need a shallow water skiff. Dredge dump site, very shallow. Pilings in slough prevent access from north.	73	359
LCR-81.2R	Burke Island - S end (WA) 45.92988 -122.79852	Exclusion	Boom 400ft	Yes	Remote Stage at Woodland Bottoms, SA-LCR-82.1R . Launch at same BL-LCR-82.1R .	Geese (Summer), Waterfowl (Wintering)	Boat access only. Use caution around the long row of wood pilings just north of the strategy.	73	361

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-81.8L	Goat Island - S end (OR) 45.92590 -122.81556	Exclusion	Boom 900ft	Yes	Remote Stage at Woodland Bottoms, SA-LCR-82.1R	Geese (Summer), Waterfowl (Wintering)	Boat access only. Water is shallow with moving sand bars. Amount of boom needed will vary greatly depending on flow conditions.	73	363
LCR-82.4L	Deer Island Slough (OR) 45.91417 -122.81704	Exclusion	Boom 400ft	Yes	Remote Stage at Woodland Bottoms, SA-LCR-82.1R . Launch at same BL-LCR-82.1R .	Creek Habitat, Freshwater Clams, Wetland Habitat	Boat access only. Shallow water and pilings in area. Slough opening will vary greatly in width depending on water flow.	73	365
LCR-85.6M	Goerig Slough (WA) 45.87282 -122.78510	Exclusion	Boom 1000ft	Yes	Remote Stage at St. Helens Marina, SA-LCR-85.8L	Downstream Resources	Pilings are present across the entire channel. Shallow water during summer and fall.	75	367
LCR-85.8M	Goerig Slough (WA) 45.86952 -122.78161	Exclusion	Boom 800ft	Yes	Remote Stage at St. Helens Marina, BL-LCR-85.8L .	Downstream Resources	Boat access from the south only. Piling walls prevent boat access into Goerig Slough. Very shallow during summer and fall.	75	369
LCR-86.2R	Port of Woodland at Austin Point 45.86051 -122.78109	Collection	Boom 800ft	Yes	Onsite Stage onsite on undeveloped sandy beach.	Downstream Resources	Good sandy beach with vehicle access and ability to launch small workboat from shore.	75	371
LCR-87.3R	Gee Creek (WA) 45.84815 -122.77770	Exclusion	Boom 100ft	Yes	Remote Stage at Stevens' Moorage, SA-LEWR-0.4	National Wildlife Refuge, Sensitive Resources Nearby, Wetland Habitat	Boat access only. Will likely require a shallow-draft boat.	75	373

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-87.5R	Ridgefield NWR/ Bachelor Is. Slough (WA) 45.84418 -122.78059	Deflection	Boom 700ft	Yes	Remote Stage at SA-LKRVR-1.0 , Port of Ridgefield	Sensitive Resources Nearby, Waterfowl and Shorebird Concentrations, Wetland Habitat, Wildlife Refuge	North entrance to Bachelor Island Slough/Lake River. Shoreline is heavily vegetated. Sensitive resources in area.	75	375
LCR-87.6R	Ridgefield NWR/ Bachelor Is. Slough (WA) 45.84185 -122.78120	Deflection	Boom 700ft	Yes	Remote Stage at SA-LKRVR-1.0 , Port of Ridgefield	Bald Eagle Nesting, Great Blue Heron Rookeries, National Wildlife Refuge, Sandhill Crane (Wintering), Sensitive Resources Nearby, Waterfowl, Wetland Habitat	North entrance to Lake River/Bachelor Island Slough. Boat access only. Will need boat to tend boom due to heavy boat traffic.	75	377
LCR-91.0R	Ridgefield NWR/ Bachelor Is. Slough (WA) 45.79324 -122.77448	Exclusion	Boom 700ft	Yes	Remote Stage at Port of Ridgefield Marina, SA-LKRVR-1.0	Bald Eagle Nests, Great Blue Heron Rookeries, National Wildlife Refuge, Sandhill Crane (Wintering), Sensitive Resources Nearby, Waterfowl, Wetland Habitat	South entrance of Bachelor Island Slough. Boat access only. Oil may collect naturally at this site.	74	379

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-92.3R	Campbell Lake (WA) 45.78263 -122.76911	Exclusion	Boom 300ft	Yes	Remote SA-LKRV-1.0 / Lake River	National Wildlife Refuge, Sandhill Crane Roost Area, Sensitive Resources Nearby, Waterfowl, Wetland Habitat	Boat access only. Use ramp at the Ridgefield Marina or St Helens.	74	381
LCR-94.3R	Post Office Lake (WA) 45.75425 -122.75797	Exclusion	Boom 200ft	Yes	Remote Stage at Langsdorf Landing, SA-LCR-97.7R	National Wildlife Refuge, Sensitive Resources Nearby, Waterfowl, Wetland Habitat	Boat access only. Site is adjacent to decommissioned dike road, but it is largely eroded away.	74	383
LCR-94.5L	Willow Bar Island (OR) 45.75319 -122.76813	Collection, Exclusion	Boom 600ft	Yes	Remote Stage at Langsdorf Landing, SA-LCR-97.7R	State Protected Area/Lands, Wetland Habitat	If necessary, site can be accessed land-side from Brown Road on Sauvie Island.	74	385
LCR-94.8R	Ridgefield Levee Breach #1 45.74761 -122.75813	Exclusion	Boom 300ft	Yes	Remote Stage at SA-LCR-97.7R , Langsdorf Landing	Sensitive Resources Nearby, Waterfowl and Shorebird Concentrations, Wildlife Refuge	Site is decommissioned dike road at Ridgefield National Wildlife Refuge where drainage has eroded the road and dike to create breach that could open to Post Office Lake at high water.	74	387

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-95.0R	Ridgefield Levee Breach #2 45.74477 -122.75804	Exclusion	Boom 500ft	Yes	Remote Stage at SA-LCR-97.7R , Langsdorf Landing	Sensitive Resources Nearby, Waterfowl and Shorebird Concentrations, Wildlife Refuge	Site is decommissioned dike road at Ridgefield National Wildlife Refuge where drainage has eroded the road and dike to create breach that could open to Post Office Lake at high water.	74	389
LCR-97.0R	NW Lower River Road 45.71624 -122.76053	Collection	Boom 500ft	Yes	Remote Stage at SA-LCR-97.7R , Langsdorf Landing.	Downstream Resources, Sensitive Resources Nearby	Property is owned by New Columbia Gardens. Contact for access.	74	391
LCR-97.5R	Caterpillar Island - N end (WA) 45.70888 -122.76006	Exclusion	Boom 400ft	Yes	Remote Stage at Langsdorf Landing, SA-LCR-97.7R	Houseboats, Sensitive Resources Nearby, Wetland Habitat	Site is boat access only. Recreational vessels and houseboats on slough.	74	393
LCR-98.4L	Dairy Creek (OR) 45.69826 -122.77601	Exclusion	Boom 300ft	Yes	Remote Stage at SA-LCR-97.7R	Habitat Restoration Site/Project, Wetland Habitat	Dairy Creek feeds into Sturgeon Lake, which is an important wildlife area. Log jams and debris are present upstream from mouth. At low water, this strategy may not be feasible or necessary.	76	395
LCR-98.6R	Caterpillar Island - S end (WA) 45.69395 -122.76462	Exclusion	Boom 600ft	Yes	Remote Stage at Langsdorf Landing, SA-LCR-97.7R	Sensitive Resources Nearby, Wetland Habitat	Boat access only. Sensitive resources in the vicinity.	76	397

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-99.9R	Frenchman's Bar Park (WA) 45.67702 -122.76812	Collection	Boom 500ft	Yes	Onsite Stage onsite at Frenchman's Bar Park.	Downstream Resources, Public Recreation Site/Area, Sensitive Resources Nearby	Strategy site is Frenchman's Bar Park. Sandy beach and recreational area with paved parking and vehicle access to river.	76	399
LCR-100.8R	Vancouver Lake/ Flushing Channel (WA) 45.66549 -122.75889	Collection, Exclusion	Boom 1000ft	Yes	Onsite Stage onsite at Frenchman's Bar Park.	Downstream Resources, Sensitive Resources Nearby, Wetland Habitat	Vehicle access from Lower River Road. Boat access from Vancouver or Portland. Notify Environmental Unit when deploying strategies in this area.	76	401
LCR-107.1R	Waterfront Park on SE Columbia Way 45.61485 -122.65596	Collection	Boom 1000ft	Yes	Remote Stage at SA-LCR-108.4R , Marine Park in Vancouver	Economic Resource, Economic Resource, Habitat and Waterfowl, Public Recreation Site/Area	Site is upstream from a public park along SE Columbia Way. Sensitive resources exist in this area. Contact the Environmental Unit for guidance before deploying this strategy.	82	403
LCR-108.4R	Marine Park Boat Ramp - upstream of Ryan Point 45.61164 -122.63282	Collection	Boom 800ft	Yes	Onsite Marine Park Boat Ramp, Vancouver, SA-LCR-108.4R	Downstream Resources	Marine Park Boat Ramp access via Marine Parkway.	82	405
LCR-109.1R	Marine Park wetland (WA) 45.61276 -122.62344	Exclusion	Boom 800ft	Yes	Remote Stage at Marine Park, SA-LCR-108.4R	Economic Resource, Freshwater Wetlands	Site is directly to the east of Marine Park in Vancouver and to the south of the Water Resources Education Center.	82	407

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-109.6R	Wintler Park (WA) 45.61028 -122.61143	Collection	Boom 500ft	Yes	Remote Marine Park Boat Ramp, SA-LCR-108.4R	Downstream Resources	Boat access from the ramp at Marine Park. Vehicle access off of Highway 14.	82	409
LCR-111.0R	Hillcrest Community Club Park (WA) 45.60498 -122.58069	Collection	Boom 900ft	Yes	Onsite Stage onsite at community park.	Downstream Resources, Economic Resource, Economic Resource, Habitat and Waterfowl, Public Recreation Site/Area	Site is a private park owned by the Hillcrest Community Club. Gate is unlocked, but access is restricted to community members and guests.	82	411
LCR-113.3M	Government Island Slough (OR) 45.58530 -122.54299	Exclusion	Boom 500ft	Yes	Remote Stage at SA-LCR-109.4L , M. James Gleason Memorial Boat Ramp. Launch from same BL-LCR-109.4L .	Critical Waterfowl Area, Wetland Habitat	Length of boom needed will vary depending on water level.	82	413
LCR-113.8R	Steamboat Landing (WA) 45.59237 -122.52786	Deflection, Exclusion	Boom 800ft	Yes	Remote Stage at SA-LCR-109.4L , M. James Gleason Memorial Boat Ramp. Launch from same BL-LCR-109.4L	Boat Basin/Marina, Marina, Sensitive Resources Nearby	Boat access from Vancouver or Portland, land access from SE Evergreen Highway. There is a strong eddy which moves water east (upriver) along the shoreline.	82	415

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-114.8M	Jewit Lake Intake (OR) 45.58176 -122.50987	Exclusion	Boom 100ft	Yes	Remote Stage at SA-LCR-109.4L , M. James Gleason Memorial Boat Ramp. Launch from same BL-LCR-109.4L	Lake Habitat	Site is just downriver from Port of Portland Government Island dock. Boat access only from Vancouver or Portland. Water enters Jewit Lake through weir only during high river flow.	82	417
LCR-115.0R	Fisher's Landing (WA) 45.58689 -122.50429	Exclusion	Boom 600ft	Yes	Remote Stage from Chinook Landing Marine Park, SA-LCR-118.5L . Launch from same BL-LCR-118.5L .	Fish and Wildlife Resources, Sensitive Resources	Site is at rocky promontory. Sensitive resources exist at this site. Use only trees or driftwood for natural anchors. Do not anchor using boulders or anchor posts. Contact Environmental Unit for guidance.	82	419
LCR-115.7R	Gentry's Landing (WA) 45.58495 -122.49015	Deflection	Boom 1200ft	Yes	Remote Stage at Chinook Landing Marine Park, SA-LCR-118.5L . Stage at same BL-LCR-118.5L .	Downstream Habitat, General Fish and Wildlife Resources, Sensitive Resources	Sensitive resources exist at this site. Use docks or trees for natural anchors. Do not anchor using boulders or anchor posts. Contact Environmental Unit for guidance.	82	421
LCR-116.9R	Sentry Gravel Pit (WA) 45.58030 -122.46173	Collection	Boom 400ft	Yes	Remote Stage at SA-LCR-118.5L , Chinook Landing Marine Park. Launch from same BL-LCR-118.5L .	Downstream Habitat, Sensitive Resources Nearby	Site is west of private residence. Make contact with neighbors before deploying strategy.	82	423

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-119.1R	Camas Slough (WA) 45.57510 -122.43349	Collection, Deflection	Boom 1400ft	Yes	Remote Stage at SA-LCR-118.5L , Chinook Landing Marine Park. Launch from same BL-LCR-118.5L .	Downstream Resources, Walleye Spawning Area	Boat access from the Port of Camas. Vehicle access from Highway 14, contact Georgia Pacific Camas mill at 360-834-3021. At low flow, it is possible to boom off Camas Slough to prevent transfer of oil in or out of the slough.	83	425
LCR-119.8R	Camas Slough - E of Hwy-14 (WA) 45.57931 -122.41695	Collection	Boom 1600ft	Yes	Remote Stage at SA-LCR-118.5L , Chinook Landing Marine Park. Launch from same BL-LCR-118.5L .	Downstream Resources	Boat access from the Port of Camas. Vehicle access from Highway 14, contact the Georgia Pacific Camas mill at 360-834-3021 for access.	83	427
LCR-120.6R	Mouth of Washougal River (WA) 45.57635 -122.40261	Collection, Exclusion	Boom 1200ft	Yes	Remote Stage at Port of Camas, SA-LCR-121.6R	Downstream Resources, Salmonid Concentrations and Habitat, Walleye Spawning Area	Main current and channel run along the Lady Island shoreline. Water to the NE of the small island is very shallow.	83	429
LCR-124.7R	Cottonwood Beach Park (WA) 45.56051 -122.33326	Diversion	Boom 800ft	Yes	Onsite Stage onsite at Cottonwood Beach Park	County Park, Economic Resource, Recreational Use Area	Site is a beach park and waterfront trail with a natural outcropping to the southeast that can be used to divert oil into the main channel. Deploy only at low water when beach is exposed.	83	431

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-126.2R	Gibbons Creek at Columbia River (FBS MP-29.75) 45.55905 -122.30139	Containment	Boom 100ft	No	Remote Stage at Rooster Rock State Park, SA-LCR-128.9L . Launch from same BL-LCR-128.9L .	Downstream Habitat, Freshwater Wildlife	Notify USFWS (Steigerwald Lake National Wildlife Refuge) at 360-607-2698, 360-835-8767, or 360-887-4106.	83	433
LCR-128.0R	Lawton Creek at Columbia River (WA) (FBS MP-31.4) 45.55548 -122.26756	Collection, Exclusion	Boom 1100ft	Yes	Remote Stage at Rooster Rock State Park, SA-LCR-128.9L . Launch from same BL-LCR-128.9L	Downstream Habitat, Freshwater Wildlife, Sensitive Resources Nearby	Site is creek outfall and natural outcropping on Columbia River. Water level varies widely here.	83	435
LCR-131.0R	Near Cape Horn N of Sand Island (FBS MP-34.0) 45.56321 -122.20827	Collection	Boom 800ft	Yes	Remote Stage at Rooster Rock State Park, SA-LCR-128.9L . Launch from same BL-LCR-128.9L .	Downstream Habitat, Freshwater Wildlife, Sensitive Resources Nearby	Site is at outcropping adjacent to BNSF railroad where it runs along the banks of the Columbia River.	83	437
LCR-137.0R	Franz Lake (WA) 45.59999 -122.10654	Exclusion	Boom 300ft	Yes	Remote Stage at Dalton Point (Rooster Rock State Park), SA-LCR-133.7L . Launch from same BL-LCR-133.7L .	Bald Eagle Nesting, National Wildlife Refuge, Salmon Concentrations and Habitat, Wintering Waterfowl	Site is at opening to Franz Lake, which is a National Wildlife Refuge. Opening will appear to be a creek or slough.	84	439

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-138.0L	Horsetail / Oneonta Creeks (OR) 45.59176 -122.07642	Exclusion	Boom 100ft	Yes	Remote Stage at Dalton Point (Rooster Rock State Park), SA-LCR-133.7L . Launch from same BL-LCR-133.7L .	Salmon Concentrations and Habitat, Sensitive Nesting Species	Site is culvert opening to Oneonta and Horsetail Creeks which runs under I-84.	84	441
LCR-138.2R	Franz Lake (WA) (FBS MP-41.0) 45.60291 -122.08386	Exclusion	Boom 100ft	Yes	Onsite Stage onsite at Franz Lake viewpoint on WA-14.	Downstream Habitat, Freshwater Wildlife	Rail MP-41.0. Site is USFWS National Wildlife Refuge (Franz Lake Wildlife Refuge). Contact Refuge at 360-607-2698, 360-835-8767, or 360-887-4106. Water levels may affect access; lake is shallow. Without permission from BNSF, do not allow people/ equipment within 25' of track.	84	443
LCR-140.3R	McGowans Channel (WA) (FBS MP-43.3) 45.61512 -122.03989	Collection, Exclusion	Boom 200ft	Yes	Onsite Stage onsite at boat ramp.	Downstream Habitat, Freshwater Wildlife, Sensitive Resources Nearby	Rail MP-43.3. Boat ramp on-site, approx. 1000ft. from strategy location. Requires permission from Skamania Landing Owners Association.	84	445
LCR-141.4R	Hardy Slough/ Creek (WA) 45.62627 -122.01710	Exclusion	Boom 500ft	Yes	Onsite Stage onsite at SA-LCR-141.2R , Beacon Rock State Park	Salmon Concentrations and Habitat, Salmon Spawning Creek, Wildlife Refuge	Site is at the mouth of Hardy Slough in the vicinity of Beacon Rock State Park.	84	447

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LCR-142.4R	Channel between Ives and Pierce Islands (WA) 45.62050 -121.99782	Deflection	Boom 400ft	Yes	Remote Stage at SA-LCR-141.2R , Beacon Rock State Park	Sensitive Resources, State Park, Wetland Habitat	Site is channel between Pierce and Ives Islands. Currents can be swift in this location.	84	449
LCR-143.4R	Hamilton Island (WA) 45.62693 -121.98015	Deflection	Boom 700ft	Yes	Onsite Stage onsite at parking lot at the end of Fort Cascade Drive on Hamilton Island.	Downstream Resources, Salmon Spawning Creek, Sensitive Resources, State Park	This strategy may not be feasible if the water flow is too high or the current too strong. This strategy is only necessary if there is water flowing between Hamilton and Ives Islands. River conditions in this location are solely dependent on dam operations.	84	451
LCR-144.9L	Bonneville Dam Navigation Locks (OR) 45.63664 -121.95187	Collection	Boom 600ft	Yes	Remote Stage at SA-LCR-144.3R	Fish and Wildlife Resources, Salmon Habitat, State Park	Site is below Bonneville Dam locks. There is minimal current in the channel.	84	453
LEWR-0.35	Lewis River (B) (WA) 45.85718 -122.77556	Collection	Boom 600ft	Yes	Onsite Stage onsite at Stevens' Moorage, SA-LEWR-0.4	Downstream Resources, Wetland Habitat	Site is accessed through Stevens' Moorage boat ramp and RV park. Contact property owner before launching boat and deploying strategy.	75	455
LEWR-0.4	Lewis River (A) (WA) 45.85811 -122.77383	Collection	Boom 600ft	Yes	Onsite Stage onsite at Stevens' Moorage, SA-LEWR-0.4	Downstream Resources, Wetland Habitat	Site access is through Stevens' Moorage, a privately owned boat launch and RV park. Contact manager before deploying strategy.	75	457

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
LKRVR-10.8	Lake River - Felida Moorage 45.70572 -122.72207	Exclusion	Boom 800ft	Yes	Onsite Stage onsite in parking area for moorage and boat launch.	Downstream Resources, Federally Protected Area/Lands, Houseboats, Migratory Bird Populations, Sensitive Resources Nearby, Waterfowl Concentrations	Privately-owned houseboat moorage and boat ramp at 122nd Street in Vancouver. River is tidally-influenced and flows out of Vancouver Lake.	76	461
MC-0.1	Multnomah Channel entrance (OR) 45.61638 -122.79307	Collection	Boom 2000ft	Yes	Remote Stage at Fred's Marina, SA-MC-1.0 . Launch from same, BL-MC-1.0 .	Cranes, Eagle Winter Feeding Area, Marsh, Shorebirds, Waterfowl	Site is at south entrance to Multnomah Channel. New restoration site on north side of channel. Houseboats and marina with private vessels to the west.	77	463
MC-0.2	Willamette River Entrance to Sauvie Island 45.62076 -122.79547	Exclusion	Boom 700ft	Yes	Remote Stage at Fred's Marina, SA-MC-1.0 . Launch from same, BL-MC-1.0 .	Cranes, Eagle Winter Feeding Area, Marsh, Shorebirds, Waterfowl	Site is at north entrance to Multnomah Channel. New restoration site on N end of channel (tip of Sauvie Island) and marina with private vessels to the west.	77	465
MC-0.4	Multnomah Channel - Sauvie Island Restoration Site 45.62020 -122.80048	Exclusion	Boom 500ft	Yes	Remote Stage at Fred's Marina, SA-MC-1.0 . Launch from same, BL-MC-1.0 .	Habitat Restoration Site/Project, Waterfowl and Salmonid Concentrations and Habitat	Multnomah Channel at entrance to new restoration site on Sauvie Island. Across river from marina with private vessels and houseboats along south shore of channel.	77	467

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
MC-0.5	Multnomah Channel Moorages 45.61907 -122.80168	Deflection	Boom 1000ft	Yes	Remote Stage at Fred's Marina, SA-MC-1.0 . Launch from same, BL-MC-1.0 .	Downstream Resources, Houseboats, Marina, Wildlife Refuge	Site is at south entrance to Multnomah Channel. Restoration site to the north and marina with houseboats and private vessels to the west.	77	469
MC-1.5	Multnomah Channel - Sauvie Isl. Bridge 45.62842 -122.81695	Collection	Boom 1000ft	Yes	Remote Stage at Fred's Marina, SA-MC-1.0 . Launch from same, BL-MC-1.0 .	Cranes, Eagle Winter Feeding Area, Houseboats, Marsh, Shorebirds, Sturgeon, Waterfowl	Gate access to levee on channel right just off bus station parking lot at NW Sauvie Island Rd and NW Gillihan.	77	471
OWLCK-1.8	Owl Creek 46.09101 -122.87121	Culvert Block	Boom 100ft, Sorbent 100ft	No	Onsite Stage onsite at gravel access road.	Downstream Resources, Wetland Habitat	Site is access through restricted access road to railroad and industrial sites.	71	473
SIL-0.4	Swan Island Lagoon (OR) 45.56993 -122.72417	Exclusion	Boom 800ft	Yes	Remote Stage at Swan Island Boat Ramp, SA-WR-8.0R	Downstream Resources	Do not allow people/equipment within 25' of track. Military and commercial activity. Site is at mouth of channel at north side of Port of Portland at Swan Island.	79	475
SIL-0.8	Swan Lagoon - Mocks Bottom Outfall (OR) 45.56788 -122.71607	Containment	Boom 100ft	Yes	Remote Stage at Swan Island Boat Ramp, BL-WR-8.0R	Downstream Resources	Site is at Port of Portland Dredge Base Property and NRC Office Property.	79	477

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
WAL-1.0	Wallooskee River at bridge (OR) 46.14899 -123.79864	Collection, Exclusion	Boom 500ft	Yes	Remote Stage at Astoria East Mooring Basin, SA-LCR-15.8L . Launch from same, BL-LCR-15.8L .	Crustaceans, Great Blue Heron Rookeries, Marine Fisheries, Salmon, Sensitive Nesting Species, Sturgeon, Waterfowl	Site is best accessed by boat, although there is landside access via Highway 202. Highway has no shoulders for safe access.	63	479
WASHR-1.9	Sandy Swimming Hole (WA) 45.58828 -122.36690	Collection	Boom 300ft	Yes	Onsite Stage onsite at Sandy Swimming Hole	Downstream Resources, Economic Resource, Wetland Habitat	Site is a well-known public swimming hole in Washougal. There is a natural back-eddy to facilitate collection of oil. Small parking area and vehicle access to water down gated ramp. Contact City of Washougal for access.	83	481
WPPLC-0.8	Whipple Creek at NW Krieger Road (WA) 45.75366 -122.74368	Sorbent	Sorbent 200ft	No	Onsite Stage truck (no trailers) on shoulder of road at pullout located about 200ft north of creek.	Salmon - Coho, Sensitive Resources Nearby, Steelhead, Waterfowl and Shorebird Concentrations, Wetland Habitat, Wildlife Refuge	Do not allow people or equipment within 25' of railroad tracks. May be able to temporarily park equipment trailer at Clark County Sheriff's Office (West Precinct), 505 NW 179th Street, ~3.3mi from strategy site near I-5; call 360-397-2211.	74	483

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
WR-0.9R	Columbia Slough (Smith & Bybee Lakes) (OR) 45.64388 -122.76888	Exclusion	Boom 700ft	Yes	Remote Stage at SA-MC-1.0 , Fred's Marina. Launch at same BL-MC-1.0 .	Wetlands Restoration Site	Boat access only. Boom length required will vary with water levels; min 400' for lower water flow, maximum 1000ft.	76	485
WR-3.7R	International Terminals Slip (OR) 45.61101 -122.78374	Collection	Boom 800ft	Yes	Remote Stage at SA-MC-1.0 Fred's Marina; launch from same BL-MC-1.0 .	Downstream Resources	Strategy is collection in dredged channel on east bank of the Willamette River near Port of Portland.	77	487
WR-3.8L	Owens Corning Dock (OR) 45.60868 -122.78805	Collection	Boom 800ft	Yes	Remote Stage at SA-MC-1.0 Fred's Marina; launch from same BL-MC-1.0 .	Downstream Resources	Active industrial sites on both banks of the river in this location. Significant commercial and industrial activity.	77	489
WR-4.2R	Port of Portland Terminal 4 - Slip 3 North 45.60388 -122.77956	Collection	Boom 800ft	Yes	Remote Stage at SA-WR-5.8R Cathedral Park; launch from same BL-WR-5.8R .	Downstream Resources	Strategy is collection at dredged channel at Port of Portland.	77	491
WR-4.3R	Port of Portland Terminal 4 - Slip 3 South 45.60362 -122.77820	Exclusion	Boom 600ft	Yes	Remote Stage at SA-WR-5.8R Cathedral Park; launch from same BL-WR-5.8R .	Downstream Resources	Port of Portland	77	493

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
WR-4.5R	Port of Portland Terminal 4 - Berth 412 (OR) 45.59844 -122.77606	Collection	Boom 800ft	Yes	Remote Stage at SA-WR-5.8R Cathedral Park; launch from same BL-WR-5.8R .	Downstream Resources	Strategy is collection at southern tip of	77	495
WR-5.8R	St. John's Bridge East (OR) 45.58805 -122.76628	Collection	Boom 800ft	Yes	Onsite Stage at Cathedral Park, SA-WR-5.8R .	Downstream Resources	Strategy site is just downstream of Cathedral Park, on the Willamette River.	77	497
WR-5.9L	Riverside Industrial Park (OR) 45.58566 -122.76724	Collection	Boom 800ft	Yes	Remote Stage at Cathedral Park, SA-WR-5.8R	Downstream Resources	Strategy is collection at active industrial facility. Large vessels and barges may be present.	77	499
WR-6.9L	BNRR Bridge - West End (OR) 45.57556 -122.74806	Collection	Boom 800ft	Yes	Remote Stage at Swan Island Boat Ramp, SA-WR-8.0R	Downstream Resources	Best access is by boat; shoreside access is limited by private property.	77	501
WR-6.9R	McCormick & Baxter Restoration Site (OR) 45.57689 -122.74228	Exclusion	Boom 2000ft	Yes	Remote Stage at Cathedral Park, SA-WR-5.8R	Habitat Restoration Site/Project	Boat access only. Shoreside access limited by private property.	77	503
WR-7.4R	Triangle Park Slip (OR) 45.57325 -122.73762	Collection	Boom 800ft	Yes	Remote Stage at Swan Island Boat Ramp, SA-WR-8.0R	Downstream Resources	Strategy is SE of shoreline restoration site and is a natural collection point.	79	505
WR-7.5L	Elf Atochem Dock (OR) 45.56900 -122.73904	Collection	Boom 800ft	Yes	Remote Stage at Swan Island Boat Ramp, SA-WR-8.0R	Downstream Resources	Strategy could be extended to enclose the Portland Tanker Basin as containment.	79	507

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
WR-12.2R	Steel Bridge (OR) 45.52776 -122.66748	Exclusion	Boom 300ft	Yes	Remote Stage at Swan Island Boat Ramp, SA-WR-8.0R	Downstream Resources	Do not allow people/equipment within 25ft. of track. Site is at intersection of railroad and highway. Shoreside access is possible, but best access is by boat.	78	509
WR-12.7R	Eastbank Esplanade Outfalls (OR) 45.52692 -122.66631	Collection	Boom 400ft	Yes	Remote Stage at Swan Island Boat Ramp, SA-WR-8.0R	Downstream Resources	Do not allow people/equipment within 25ft. of railroad track. I-5 underdeck slopes to river at this location; Walkways and floating decks are present at Eastbank Esplanade.	78	511
WR-13.4L	River Place Marina (OR) 45.50941 -122.67133	Deflection	Boom 800ft	Yes	Remote Stage at SA-WR-13.9R Ross Island Sand & Gravel; launch from same BL-WR-13.9R .	Marina	Site is at heavily used marina with significant recreational traffic.	80	513
WR-13.4R	OMSI - Marquam Bridge (OR) 45.50943 -122.66755	Collection	Boom 500ft	Yes	Remote Stage at SA-WR-13.9R Ross Island Sand & Gravel; launch from same BL-WR-13.9R .	Downstream Resources	Site is at Marquam Bridge, across the river from the River Place Marina.	80	515

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
WR-13.5R	OMSI Docks (OR) 45.50780 -122.66694	Exclusion	Boom 600ft	Yes	Remote Stage at Ross Island Sand & Gravel, SA-WR-13.9R	Economic Resource	Site is intended to protect historic submarine at OMSI and accompanying docks. There will likely be pedestrian traffic in the area.	80	517
WR-14.1L	Zidell Yard (OR) 45.49937 -122.66672	Collection	Boom 500ft	Yes	Onsite Stage onsite at Zidell Marine Shipyard (SA/ BL-WR-14.1L)	Downstream Resources	Site is at Zidell shipbuilding yard.	80	519
WR-14.7R	Ross Island E Channel (OR) 45.49093 -122.65830	Collection	Boom 900ft	Yes	Remote Stage at Ross Island Sand & Gravel, SA-WR-13.9R ; launch from same BL-WR-13.9R .	Downstream Resources, Osprey Nest(s)	Ross Island Sand & Gravel has boat ramp/ house on property at 4315 S.E. McLoughlin Blvd. (503) 239-5504.	80	521
WR-14.9L	Ross Island W Channel (OR) 45.48820 -122.67102	Collection	Boom 500ft	Yes	Remote Stage at SA-WR-14.1L Zidell Shipyard; launch from same BL-WR-14.1L .	Downstream Resources	Strategy may be accessed shoreside via paved riverwalk. There may be pedestrian traffic present.	80	523
WR-15.5M	Ross Island W Channel (OR) 45.47858 -122.66448	Deflection	Boom 1000ft	Yes	Remote Stage at Willamette Park, SA-WR-15.6L	Shallow Water Habitat	Boat access only. Strategy is at southernmost tip of Ross Island.	80	525
WR-15.9R	Ross Island E Channel (OR) 45.47750 -122.65728	Exclusion	Boom 100ft	Yes	Remote Stage at Willamette Park, SA-WR-15.6L	Recreational Use Area, Waterfowl Feeding Area, Wetland Habitat	Site is at Oaks Bottom Wildlife Refuge and Springwater Trail Levee	80	527

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
WR-18.4R	Johnson Creek (OR) 45.44428 -122.64419	Exclusion	Boom 600ft	Yes	Remote Stage from Milwaukie Riverfront Park SA-WR-18.5R ; launch from same BL-WR-18.5R .	Fall Salmon (Chinook), Salmon Trout Enhancement Program Area, Sensitive Resources, Winter Steelhead	Launch from BL-WR-18.5R	78	529
WR-18.5R	Kellogg Creek (OR) 45.44174 -122.64332	Exclusion	Boom 300ft	Yes	Onsite Stage onsite at parking area near creek mouth or Milwaukie Park.	Fall Salmon (Chinook), Fish Ladder(s), Salmon - Coho, Sensitive Resources, Winter Steelhead	Site is operated by Clackamas Water Environment Services - Kellogg Creek Sewage Treatment Plant	78	531
WR-23.6L	Cedar Island (OR) 45.38488 -122.62470	Exclusion	Boom 500ft	Yes	Remote Stage at SA-WR-23.1L , Cedaroak Boat Ramp, launch at same BL-WR-23.1L .	Osprey, Shallow Water Habitat, Turtles		81	533
WR-23.8L	Unnamed Slough near Bolton (OR) 45.38013 -122.62227	Exclusion	Boom 1300ft	Yes	Remote Stage at SA-WR-24.2R Meldrum Bar Park, launch from same BL-WR-24.2R .	Shallow Water Habitat	Boat access only. Beware of floating dock adjacent to strategy location.	81	535

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
WR-23.9R	Meldrum Slough (OR) 45.37891 -122.61734	Exclusion	Boom 100ft	Yes	Remote Stage at SA-WR-24.2R Meldrum Bar Park, launch from same BL-WR-24.2R .	Waterfowl, Wetland Habitat	Boat access only. Strategy is at the southern opening to Meldrum Slough.	81	537
WR-25.5R	Abernethy Creek Outfall (OR) 45.36482 -122.60212	Collection, Exclusion	Boom 100ft	No	Onsite Stage onsite at Sportcraft Marina.	Downstream Resources, Sensitive Resources	Strategy is at Sportcraft Marina, which has a boat ramp, parking area, and a marina with covered slips. Outfall is a culvert.	81	539
WR-25.9R	Hwy 43 Bridge (OR) 45.35958 -122.60723	Collection	Boom 1000ft	Yes	Remote Stage at SA-WR-25.4R , Sportcraft Marina. Launch at same BL-WR-25.4R .	Downstream Resources	Collection point is under Highway 99 viaduct.	81	541
WR-26.1L	Falls Locks (OR) 45.35777 -122.61239	Containment	Boom 200ft	Yes	Remote Stage at SA-WR-25.4R , Sportcraft Marina. Launch at same BL-WR-25.4R .	Downstream Resources	Approximately 100 feet of boom is present at the dam facility (as of 10/3/2013) to keep floating debris from backing into locks. There is an eddy and slack water in this area when the locks are closed.	81	543
YOR-3.3R	Youngs River Fish Pens #1 (OR) 46.17016 -123.83728	Exclusion	Boom 1600ft	Yes	Remote Stage at Astoria East Mooring Basin, SA-LCR-15.8L . Launch from same, BL-LCR-15.8L .	Salmon	Strategy is intended to protect fish pens. Water is shallow and shoaled here.	63	545

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map (Page #)	Strategy Details (Page#)
YOR-3.6L	Cook Slough (OR) 46.16188 -123.83116	Exclusion	Boom 100ft	Yes	Onsite Stage onsite from Wireless Road.	Wetland Habitat	Site is accessed through private property. Make contact with land owner before deploying strategy.	63	547
YOR-4.0R	Youngs River Fish Pens #2 (OR) 46.17106 -123.82487	Exclusion	Boom 800ft	Yes	Remote Stage at Astoria East Mooring Basin, SA-LCR-15.8L . Launch from same, BL-LCR-15.8L .	Economic Resource, Salmon	Entrance to Youngs River can be shallow at low water.	63	549
YOR-4.1R	Youngs River Fish Pens #3 (OR) 46.17052 -123.82273	Exclusion	Boom 800ft	Yes	Remote Stage at Astoria East Mooring Basin, SA-LCR-15.8L . Launch from same, BL-LCR-15.8L .	Economic Resource, Salmon	Mouth of Youngs River can be shallow at low water.	63	551