

**MIDDLE COLUMBIA RIVER
– BONNEVILLE POOL
Geographic Response Plan
(MCRB-GRP)**

Response Strategies and Priorities

July 2024

Before you print this document

This section and its appendices are provided in “landscape” page orientation. The detailed 2-page information sheets for response strategies, notification strategies, staging areas, and boat launch locations in the appendices have been designed for duplex printing (front and back side of paper), “open to top” configuration.

INTRODUCTION

This section provides information on GRP response strategies and the order they should be implemented, based on Potential Oil Spill Origin Points (POSOPs) and the proximity and relative priority of sensitive resources near those point locations. Area maps, sector maps, and information on staging areas and boat launch locations are also provided in this section. During a spill incident, GRP response strategies should be implemented as soon as possible. Unless circumstances unique to a particular spill situation dictate otherwise, the priority tables in Strategy and Response Priorities should be used to decide the order that GRP strategies are deployed. The downstream movement of oil and the time it takes to mobilize response resources to deploy GRP strategies must always be considered when setting implementation priorities. Information on resources at risk, sensitive areas, and flight restrictions can be found in the Resources At Risk section. Information on shoreline countermeasures can be found in the Northwest Area Shoreline Countermeasures Manual ([NWRCP Section 9420](#)). The Northwest Regional Contingency Plan (NWRCP) is available online at <http://www.rtt10nwac.com/NWACP/Default.aspx>.

These GRP strategies have been created to reduce spilled oil's impact on sensitive resources. They are not everything that should or could be done during a response to lessen the chance of injury to natural, cultural, and economic resources. Control and containment of an oil spill is always a higher priority than the implementation of response strategies. Although designed to be implemented during the initial phase of an oil spill, strategies may continue to be used throughout a response at the discretion of Unified Command with guidance provided by the Environmental Unit.

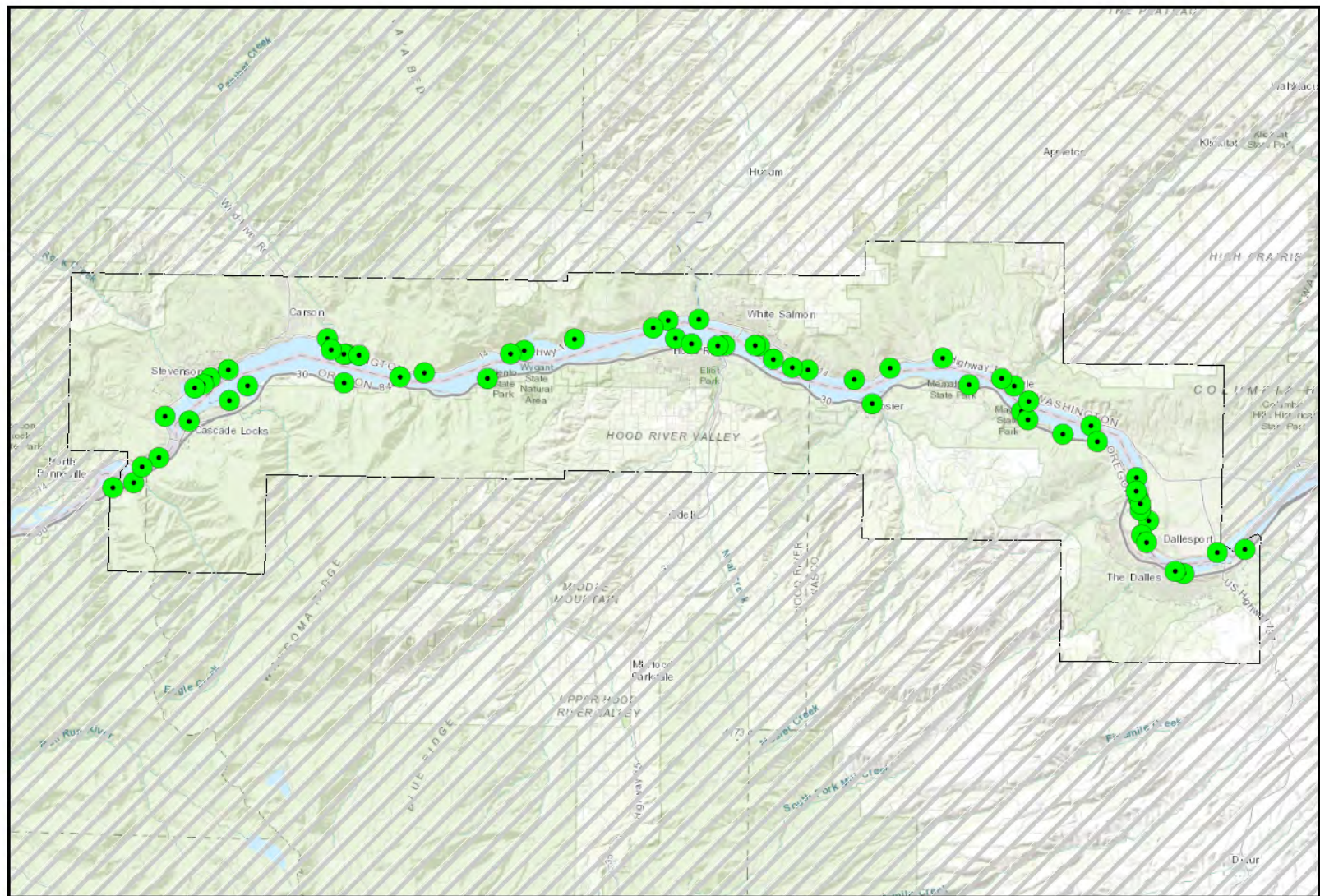
On-site Considerations

Before Deploying a GRP Strategy

Will equipment or vehicles need to be staged on or near a roadway? If so, traffic control may be required. Contact the Washington State Patrol or local, county, municipality, or tribal police for assistance. At minimum, [Washington Department of Transportation \(WSDOT\) guidelines for work zone traffic control](#) should be followed when working on or near a roadway.

AREA OVERVIEW MAPS

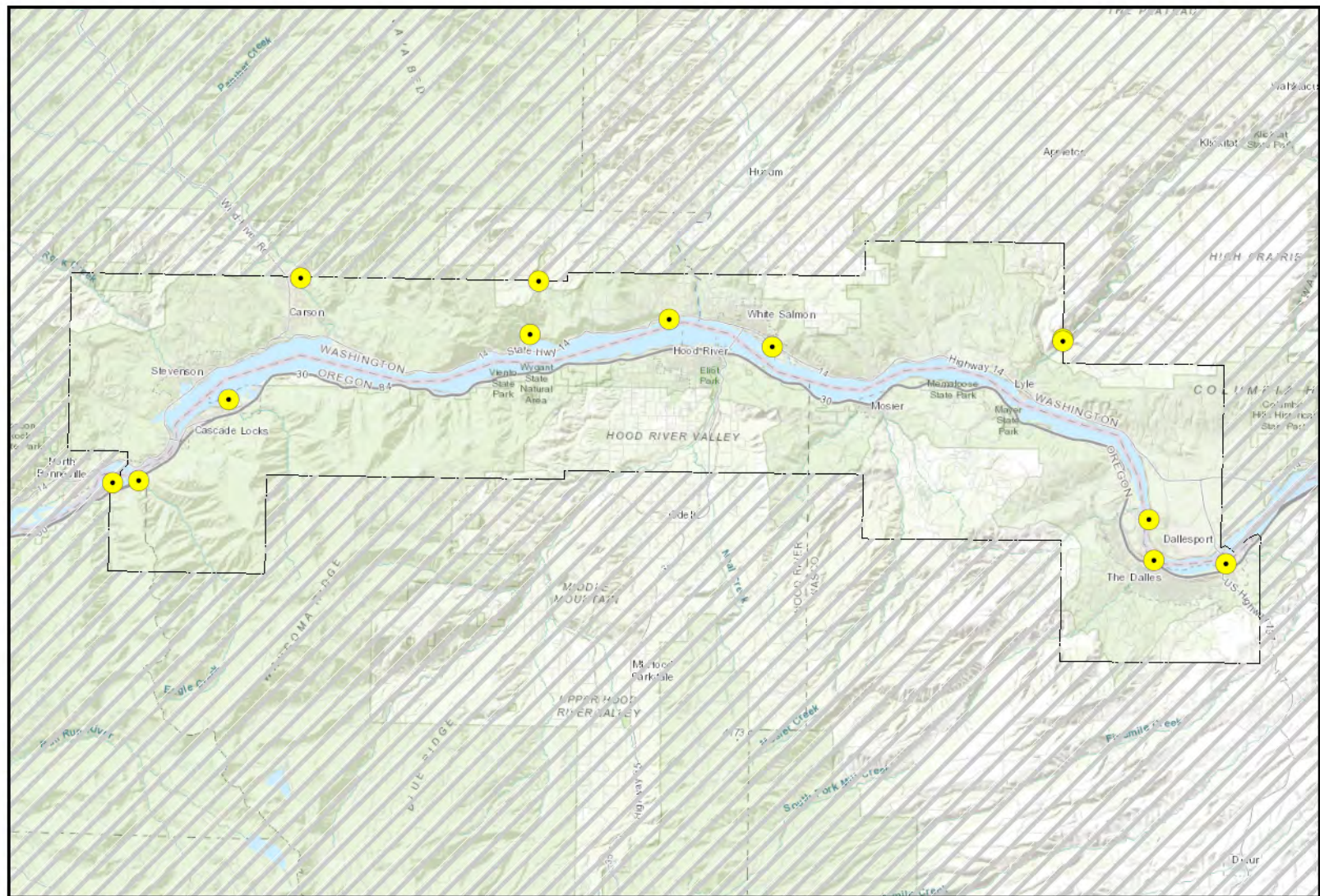
The following maps provide a geographic overview of the Middle Columbia River – Bonneville Pool GRP planning area. Sector maps provide more detail on the location of response strategies, notification strategies, staging areas, boat launch locations, and POSOPs. Detailed information for each location can be found in the matrices or in this section's appendices. Priority tables for potential oil spill origin points can be found below.



● Response Strategy Locations

0 1.25 2.5 5
Miles

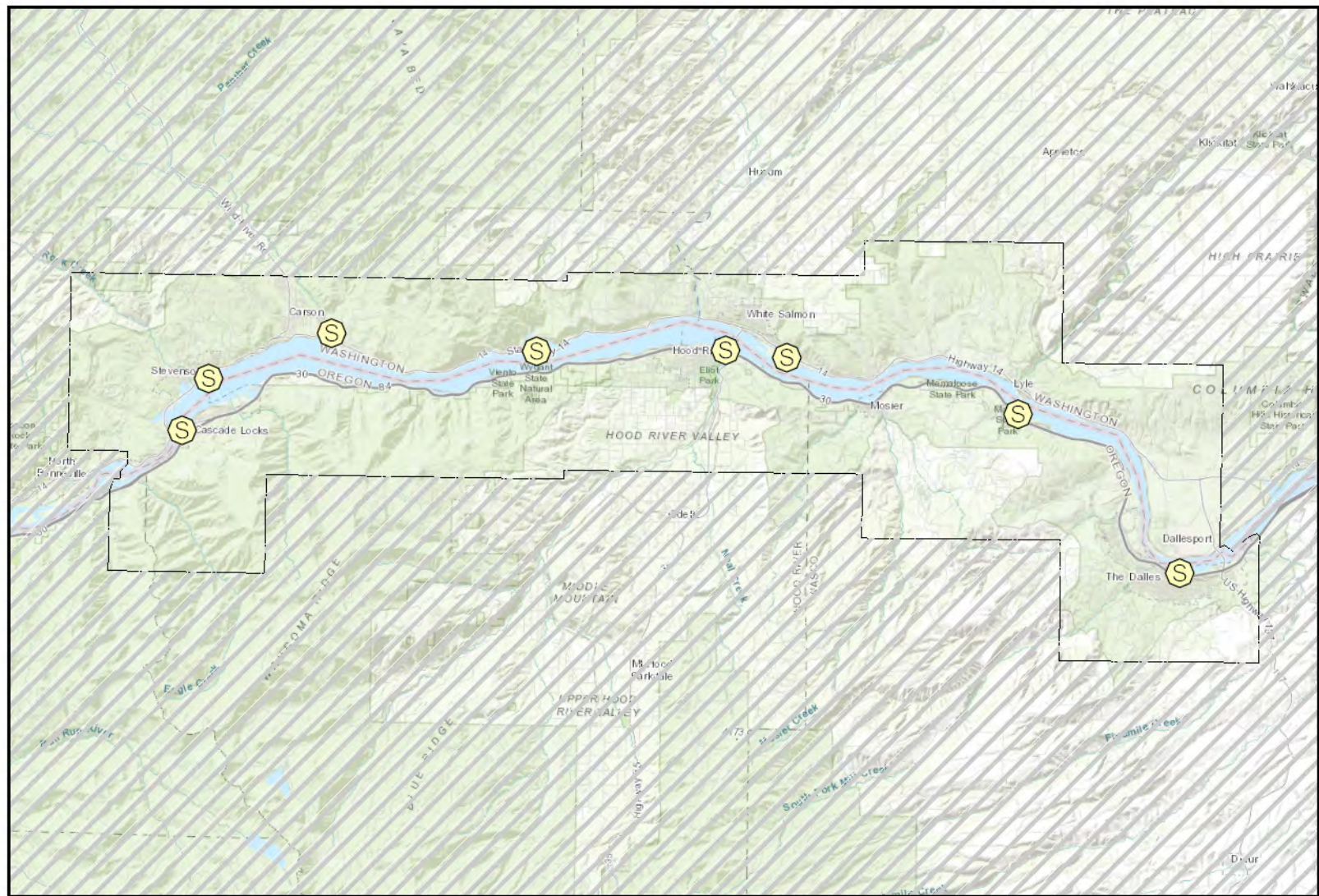
World Topographic Map: Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS




● Notification Strategy Locations

0 1.25 2.5 5
Miles

World Topographic Map: Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

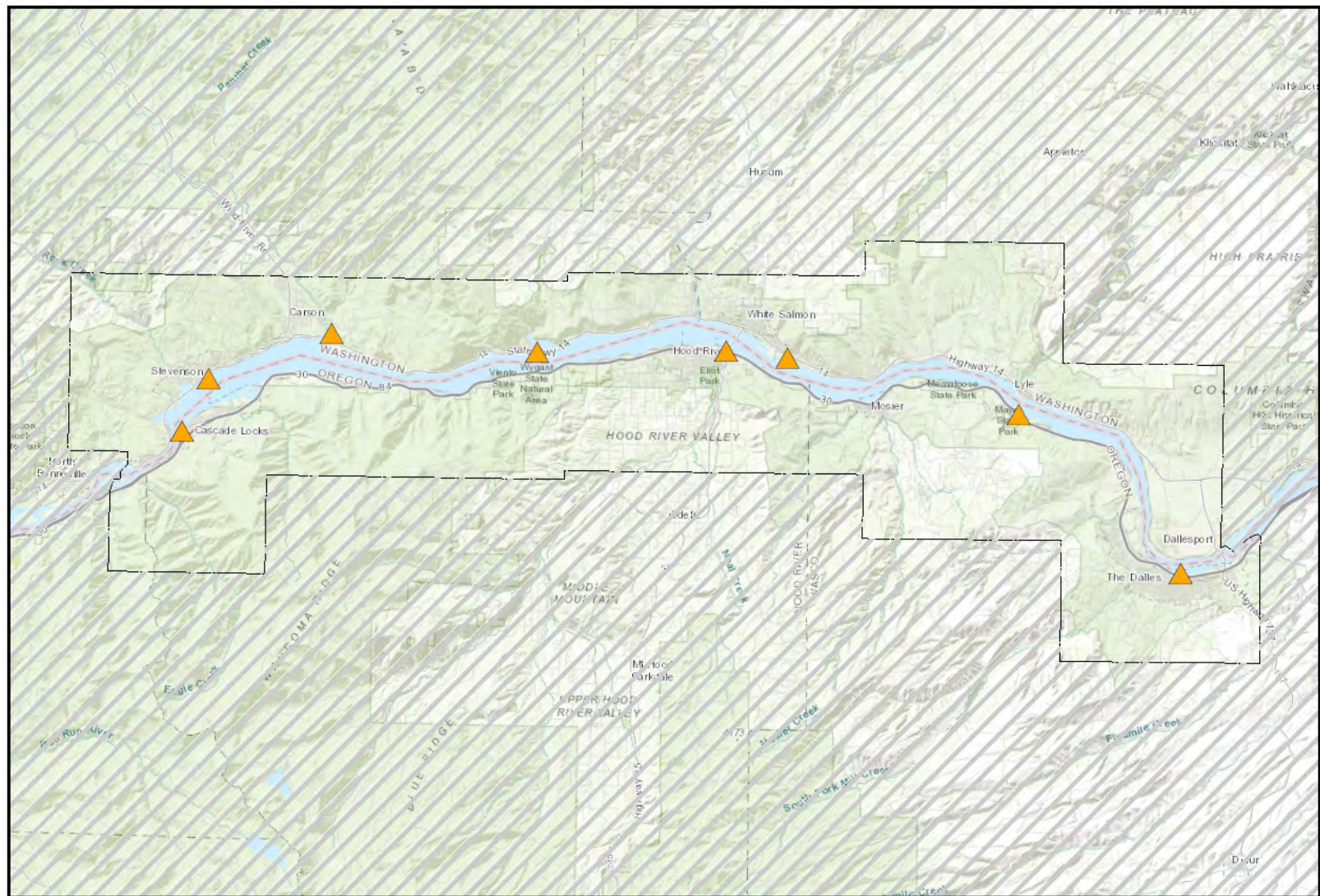


 Staging Area Locations

0 1.25 2.5 5
Miles



World Topographic Map: Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

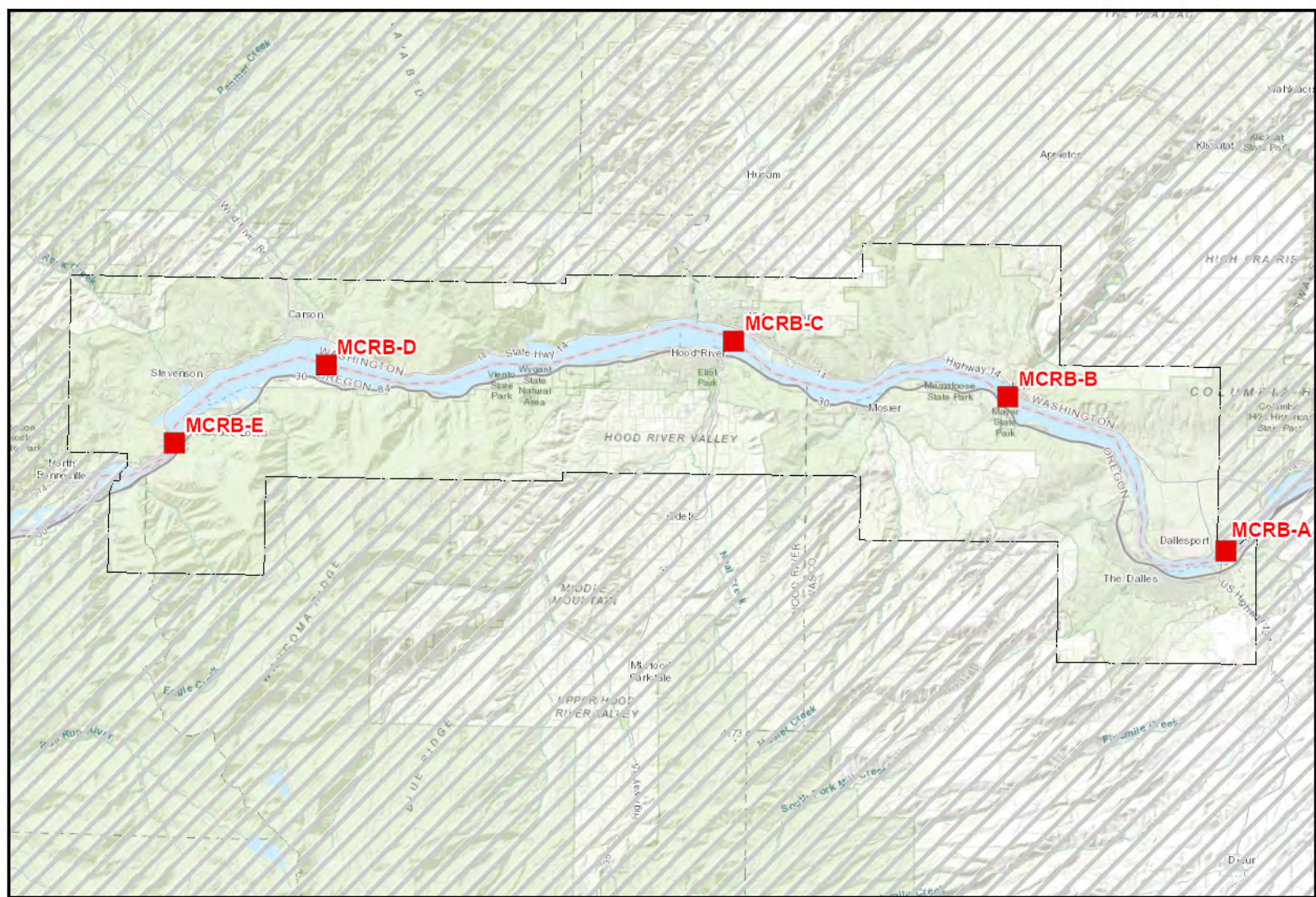


▲ Boat Launch Locations

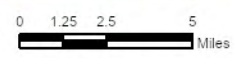
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World Topographic Map: Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS



■ Potential Oil Spill Locations



World Topographic Map: Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

STRATEGY AND RESPONSE PRIORITIES

Strategy Priorities based on Potential Oil Spill Origin Points

Potential Oil Spill Origin Points (POSOPs) are geographic locations that have a defined list of response strategy implementation priorities provided in a table within this section. The placement of each POSOP is often based on spill risks in the area. Occasionally POSOPs are generalized to ensure implementation priorities are developed throughout an entire planning area.

These points are displayed on area overview and sector maps as red squares. In establishing priorities during a response, or selecting an appropriate POSOP, the downstream movement of spilled oil and the time it takes to mobilize and deploy response resources must be considered. Generally, on streams, creeks, and rivers, GRP strategies should first be implemented downstream, well beyond the furthest extent of the spill, with deployments continuing upstream towards the spill source and in some cases slightly beyond. POSOPs are alphabetically designated.

The following tables provide the strategy implementation order for Potential Oil Spill Origin Points in this GRP: points MCRB-A through MCRB-E. The priority tables provided in this section were developed using a combination of variables, including: notification time, travel time for responders and equipment, average and seasonal flow rates, average winds, deployment time, proximity to the spill source, trustee input, the relative priority of the resources at risk, and other considerations.

Source control and containment are a higher priority than GRP strategy implementation

Table 1: MCRB-A (from RM 192.7 to 187.7)

MCRB-A (USACE The Dalles Dam - 192.7 to 187.7)				
Implementation Priority	Strategy Number	Boom Length (Feet)	Sector Map	Strategy Details (Page #)
1	B-187.7R	600	MCRB-5	155
2	B-188.2L	1000	MCRB-5	157
3	B-188.5R	400	MCRB-5	159
4	B-189.9L	400	MCRB-5	161
5	B-190.1L	1200	MCRB-5	163
6	B-191.4R	500	MCRB-5	165

Total Boom: 4,100 ft.

Table 2: MCRB-B (from RM 180.5 to 176.2)

MCRB-B (Klickitat River Confluence - 180.5 to 176.2)				
Implementation Priority	Strategy Number	Boom Length (Feet)	Sector Map	Strategy Details (Page #)
1	B-176.1R	200	MCRB-4	123
2	B-177.8R	200	MCRB-4	125
3	B-178.7L	100	MCRB-4	127
4	B-179.9R	200	MCRB-4	129
5	B-180.5R	400	MCRB-4	131

Total Boom: 1,100 ft.

Table 3: MCRB-C (from RM 169.7 to 166.0)

MCRB-C (Confluence of Hood and White Salmon Rivers – 169.7 to 166.0)				
Implementation Priority	Strategy Number	Boom Length (Feet)	Sector Map	Strategy Details (Page #)
1	B-167.0R	1000	MCRB-3	95
2	B-167.4L	400	MCRB-3	97
3	B-167.4R	400	MCRB-3	99
4	B-168.4L	1200	MCRB-3	101
5	B-168.5R	500	MCRB-3	103
6	B-169.6L	400	MCRB-3	105
7	B-169.7L	1000	MCRB-3	107

Total Boom: 4,900 ft.

Table 1: MCRB-D (from RM 154.7 to 150.1)

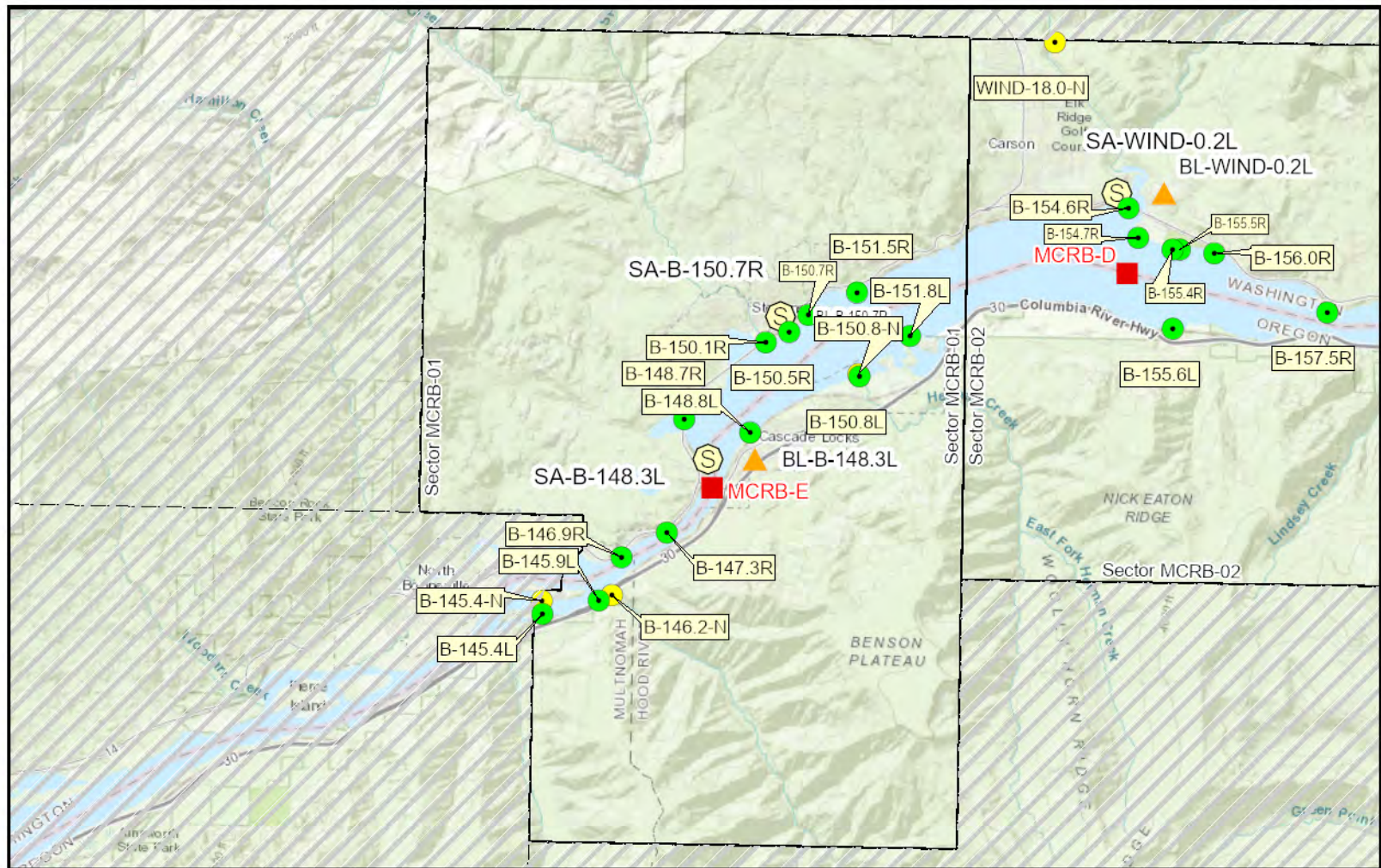
MCRB-D (Wind River Confluence - 154.7 to 150.1)				
Implementation Priority	Strategy Number	Boom Length (Feet)	Sector Map	Strategy Details (Page #)
1	B-150.1R	400	MCRB-1	59
2	B-150.5R	900	MCRB-1	61
3	B-150.7R	900	MCRB-1	63
4	B-150.8L	700	MCRB-1	65
5	B-151.5R	600	MCRB-1	67
6	B-151.8L	1000	MCRB-1	69
7	B-154.6R	300	MCRB-2	71
8	B-154.7R	700	MCRB-2	73

Total Boom: 5,500 ft.

Table 1: MCRB-E (from RM 147.7 to 145.4)

MCRB-E (Bridge of the Gods - 147.7 to 145.4)				
Implementation Priority	Strategy Number	Boom Length (Feet)	Sector Map	Strategy Details (Page #)
1	B-145.4L	600	MCRB-5	47
2	B-145.9L	800	MCRB-5	49
3	B-146.9R	400	MCRB-5	51
4	B-147.3R	400	MCRB-5	53

Total Boom: 2,200 ft.



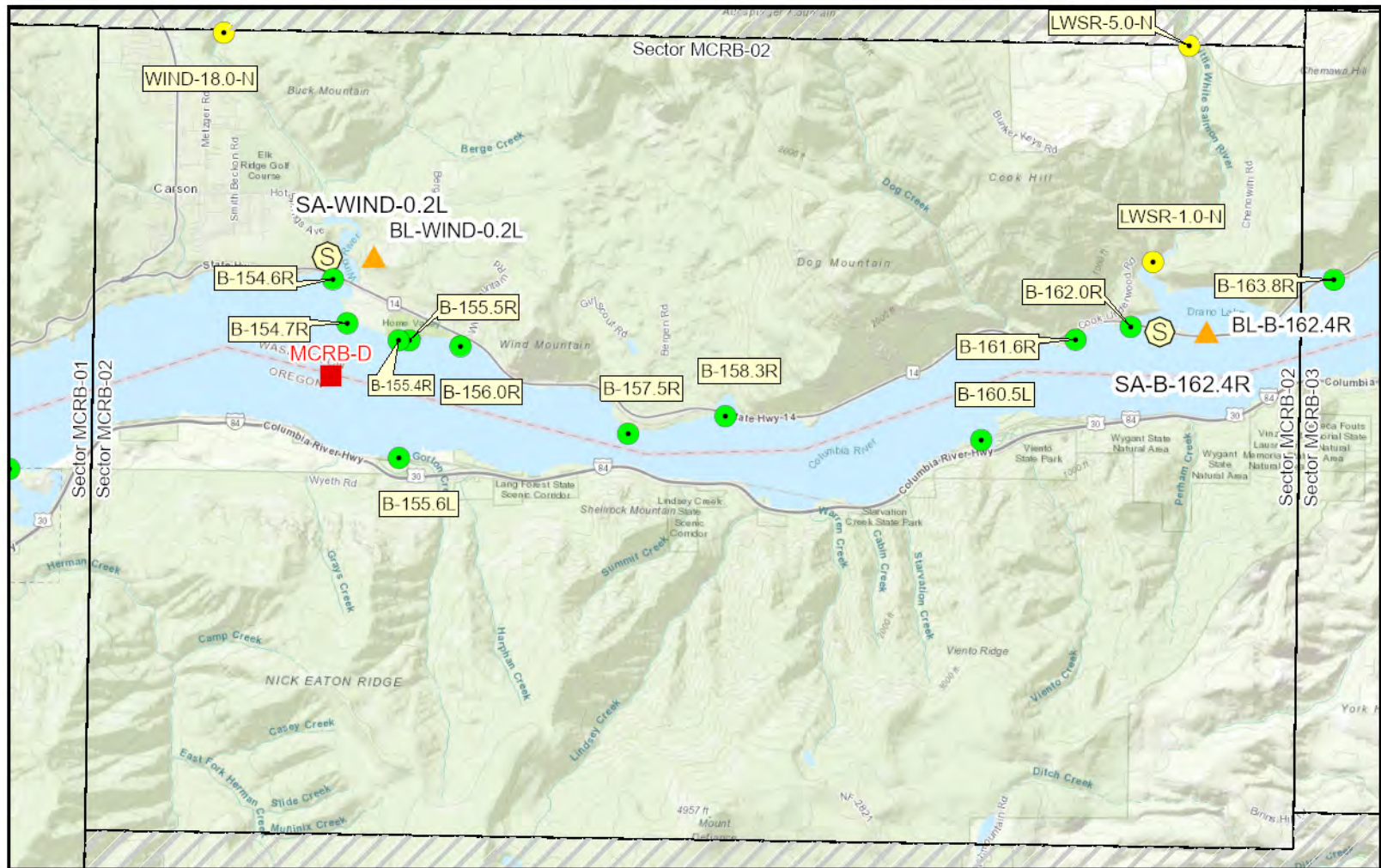
- Response Strategy Locations
- ▲ Boat Launch Locations
- Notification Strategy Locations
- Potential Oil Spill Points
- Ⓢ Staging Area Locations

0 0.5 1 2 Miles

World Topographic Map: Oregon Metro, Bureau of Land Management, State of Oregon, State of Oregon DOT, State of Oregon GEO, Esri Canada, Esri, HERE, Garmin, USGS,

Sector MCRB-01

Staging Area and Boat Launch symbols are offset to prevent overlapping.



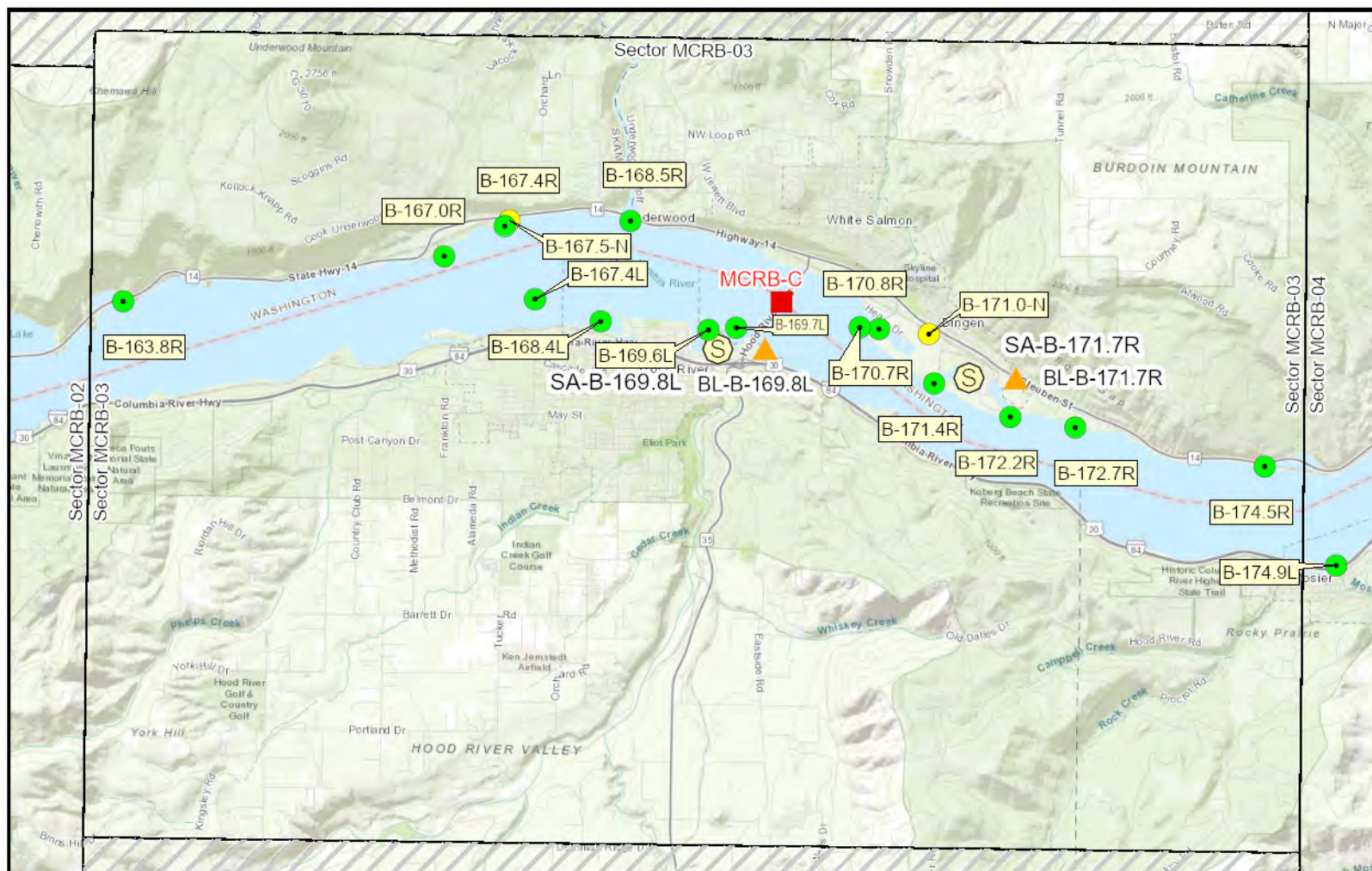
- Response Strategy Locations
- ▲ Boat Launch Locations
- Notification Strategy Locations
- Potential Oil Spill Points
- Ⓢ Staging Area Locations

0 0.5 1 2 Miles

World Topographic Map: Oregon Metro, Bureau of Land Management, State of Oregon, State of Oregon DOT, State of Oregon GEO, Esri Canada, Esri, HERE, Garmin, USGS,

Sector MCRB-02

Staging Area and Boat Launch symbols are offset to prevent overlapping.



- Response Strategy Locations ▲ Boat Launch Locations
- Notification Strategy Locations ■ Potential Oil Spill Points
- S Staging Area Locations

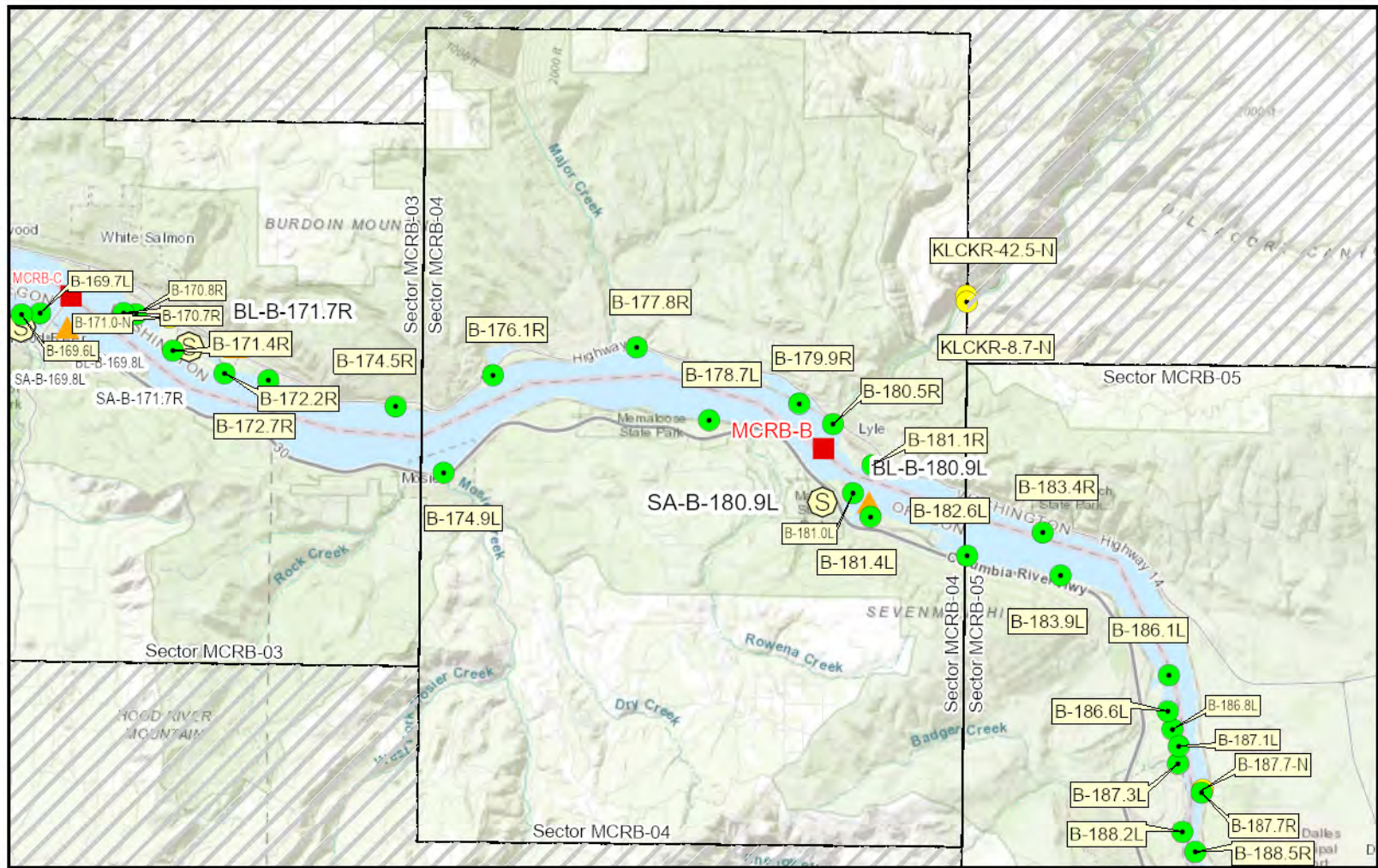
0 0.5 1 2 Miles



World Topographic Map: Bureau of Land Management, State of Oregon, State of Oregon DOT, State of Oregon GEO, Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA,

Sector MCRB-03

Staging Area and Boat Launch symbols are offset to prevent overlapping.



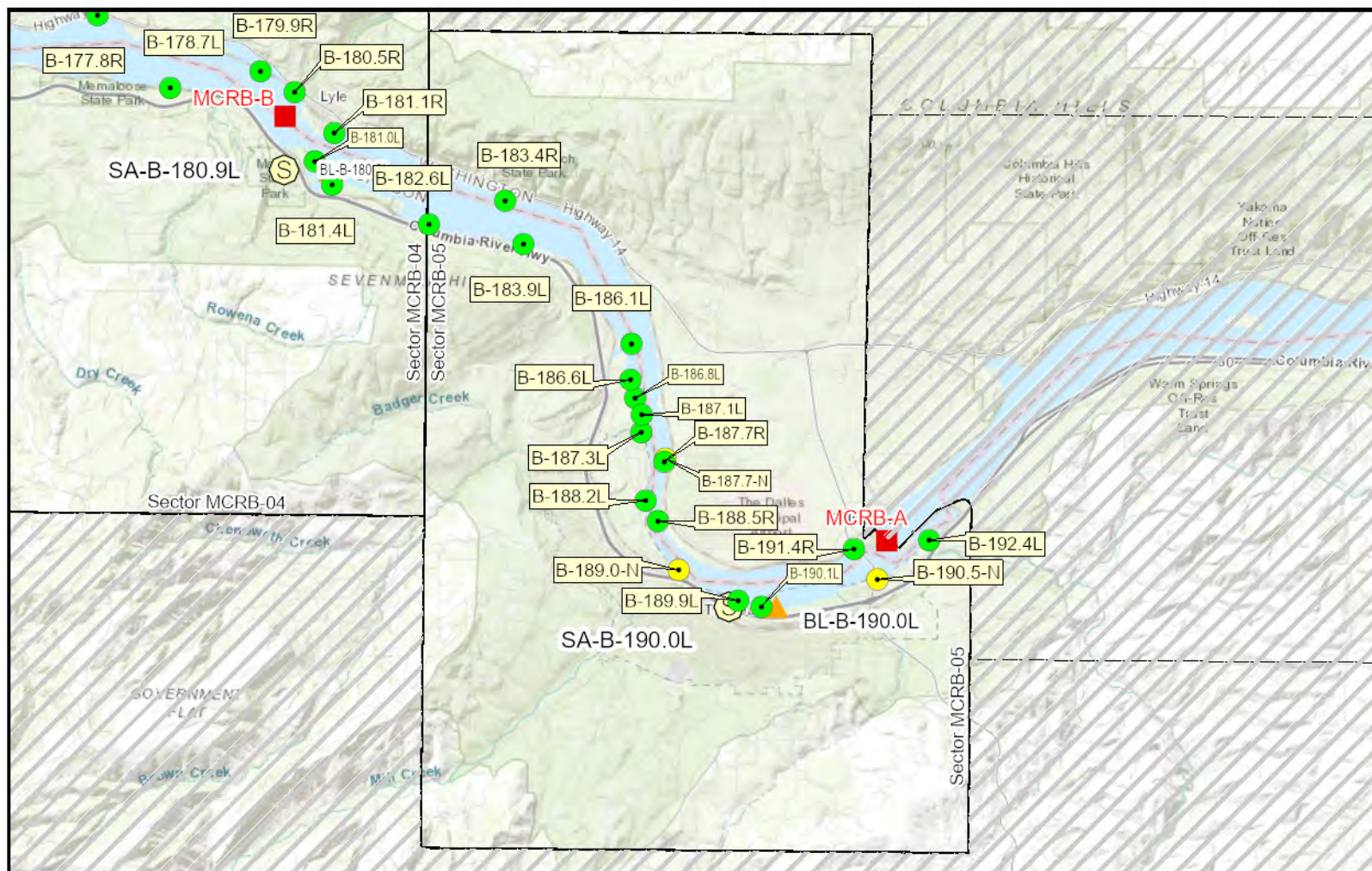
- Response Strategy Locations
- ▲ Boat Launch Locations
- Notification Strategy Locations
- Potential Oil Spill Points
- Ⓢ Staging Area Locations

0 0.5 1 2
Miles

World Topographic Map: Bureau of Land Management, State of Oregon, State of Oregon DOT, State of Oregon GEO, Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA,

Sector MCRB-04

Staging Area and Boat Launch symbols are offset to prevent overlapping.



- Response Strategy Locations ▲ Boat Launch Locations
- Notification Strategy Locations ■ Potential Oil Spill Points
- Ⓢ Staging Area Locations

0 0.5 1 2
Miles

World Topographic Map: Bureau of Land Management, State of Oregon, State of Oregon DOT, State of Oregon GEO, Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA,

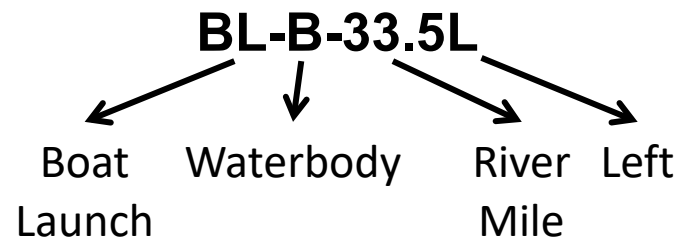
Sector MCRB-05

Staging Area and Boat Launch symbols are offset to prevent overlapping.

MATRICES

Naming Conventions (Short Names)

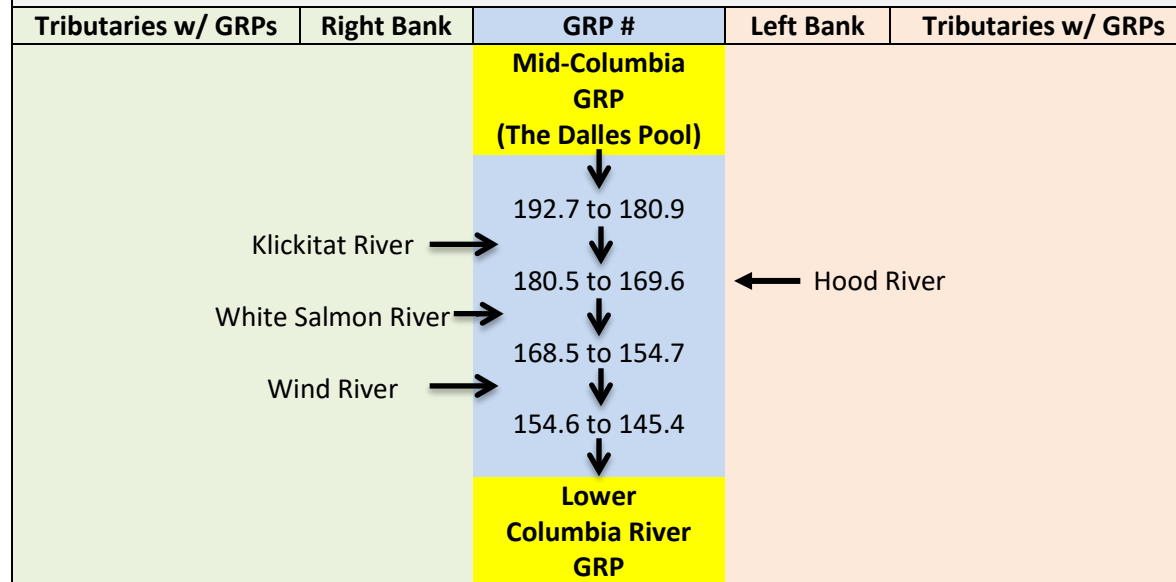
Each strategy, staging area, and boat launch location in this document has been given a unique “Short Name” which includes one to six letters denoting the associated waterbody. Following the letters are numbers that specify the location. On rivers or other linear waterbodies, the location is named by river mile: the distance from the mouth of the river or creek upstream to the site location. Some short names indicate whether the site is located on river right, river left, or mid-river by an “R”, “L” or “M” after the river mile. Notification strategies are indicated by an “-N” at the end of the name. Staging Areas and Boat Launches are indicated by the prefix “SA” or “BL”.



Associated river body short name designations used within the plan include:

B = Bonneville Pool	SA = Staging Area
KLCKR = Klickitat River	BL = Boat Launch
LWSR = Little White Salmon River	L = River Left
WIND = Wind River	R = River Right
N = Notification Strategy	M = River Middle

Hydro-Schematic Diagram of the Middle Columbia River (MCRB) Bonneville Pool (B) Geographic Response Plan



Response Strategy Matrices

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
B-145.4L	Bonneville Lock 45.63776 -121.94612	Collection	Boom 200ft	Yes	Onsite Stage next to the lock on USACE restricted property call Bonneville Dam control room at 541-374-8338 to access area	Lock and Dam	Launch at BL-B-145.7M/USACE Bradford Island; must contact Bonneville Dam control room at 541-374-8338 to access area	Sector MCRB-01	47
B-145.9L	Eagle Creek 45.64050 -121.93114	Exclusion	Boom 800ft	Yes	Onsite Stage on site, parking with water access on Eagle Creek	Federal Lands, Salmonids, Waterfowl	Hand launch from shore, at the Eagle Creek Overlook Group Campground, creek may be shallow at times. Bring bolt cutters in case campground is closed (off season).	Sector MCRB-01	49
B-146.9R	Fort Rains/North Bonneville (West) 45.64862 -121.92522	Deflection	Boom 700ft	Yes	Remote Stage equipment at SA-B-148.3L Port of Cascade Locks Marine Park (355 Wa Na Pa St, Cascade Locks, OR 97014).	Raptors, Reptiles and Amphibians, Resident Fish, Salmonids, Sensitive Resources, Tribal Lands/Resources	This location (known as "Buzz's") is part of a CRITFC Treaty Fishing Access Site; notify them before deployment. There are fishing platforms on the left bank/Oregon side of the river too.	Sector MCRB-01	51

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
B-147.3R	Fort Rains/North Bonneville (East) 45.65336 -121.91330	Deflection	Boom 600ft	Yes	Remote Stage equipment at SA-B-148.3L Port of Cascade Locks Marine Park (355 Wa Na Pa St, Cascade Locks, OR 97014).	Resident Fish, Salmonids, Sensitive Resources Nearby	BNSF train tracks are just onshore. Immediately downriver is the North Bonneville Treaty Fishing Access Site; Call CRITFC before deployment (541-386-6363).	Sector MCRB-01	53
B-148.7R	Ashes Lake 45.67464 -121.90930	Exclusion	Boom 200ft	Yes	Remote Stage equipment at SA-B-148.3L Port of Cascade Locks Marine Park (355 Wa Na Pa St, Cascade Locks, OR 97014).	Backwater Habitat, Raptors, Resident Fish, Salmonids, Waterfowl, Wetlands	BNSF train tracks and State Route 14 form the right bank of this stretch of river. Call Skamania County before deployment (509-427-8329).	Sector MCRB-01	55
B-148.8L	Thunder Island Marine Park 45.67235 -121.89173	Exclusion	Boom 1000ft	Yes	Onsite Stage onsite at the N end of SA-B-148.3L/Thunder Island (Port of Cascade Locks)	Marina, Recreational Use Area, Salmonids, Waterfowl	Launch on site at BL-B-148.3L/Thunder Island (Port of Cascade Locks)	Sector MCRB-01	57
B-150.1R	Rock Creek 45.68921 -121.88800	Exclusion	Boom 400ft	Yes	Remote Stage equipment at SA-B-150.7R Cascade Boat Launch (SW Cascade Ave, Stevenson, WA 98648).	Backwater Habitat, Raptors, Resident Fish, Salmonids, Waterfowl, Wetlands	Call Skamania County before deployment (509-427-8329). Also, notify BNSF given proximity of tracks to riverbank.	Sector MCRB-01	59

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
B-150.5R	Stevenson Landing 45.69126 -121.88173	Exclusion	Boom 900ft	Yes	Remote Stage equipment at SA-B-150.7R Cascade Boat Launch (SW Cascade Ave, Stevenson, WA 98648).	Economic Resources, Resident Fish, Salmonids, Waterfowl	Port of Skamania manages the park. Call the port before deployment (509-427-5484).	Sector MCRB-01	61
B-150.7R	Cascade Boat Launch 45.69450 -121.87679	Collection	Boom 900ft	Yes	Onsite Stage equipment onsite.	Recreational Use Area, Resident Fish, Salmonids	Port of Skamania manages the boat launch. Call the port before deployment (509-427-5484). Minimize interference with boat operations.	Sector MCRB-01	63
B-150.8L	Herman Creek 45.68321 -121.86282	Exclusion	Boom 700ft	Yes	Onsite Stage onsite, paved parking area, ramp & floating dock.	Riparian Habitat, Salmonids, Waterfowl	Launch onsite, will need a shallow draft vessel. Bring bolt cutters as sign says gate opens at 7:00am closes at 4:30pm.	Sector MCRB-01	65
B-151.5R	Riverbank West of Nelson Creek 45.69883 -121.86383	Deflection	Boom 600ft	Yes	Remote Stage equipment at SA-B-150.7R Cascade Boat Launch (SW Cascade Ave, Stevenson, WA 98648).	Resident Fish, Salmonids, Sensitive Resources Nearby, Waterfowl	Location is between mile posts 45 and 46 on State Route 14. Call Skamania County before deployment (509-427-8329).	Sector MCRB-01	67

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
B-151.8L	Government Cove 45.69086 -121.84954	Deflection	Boom 1000ft	Yes	Remote Stage at SA-B-150.7R/Stevenson Cascade Boat Launch (only 1.3 miles from site across the river)	Salmonids, Waterfowl	Launch from BL-B-150.7R/Stevenson Cascade boat launch. Rocky shoreline at the site	Sector MCRB-01	69
B-154.6R	Wind River Mouth 45.71544 -121.79194	Exclusion	Boom 300ft	Yes	Remote Stage equipment at SA-WIND-0.2L Wind River Boat Launch (Old Hatchery Rd, Stevenson, WA 98648).	Backwater Habitat, Resident Fish, Salmonids, Waterfowl	Keep river mouth open so that staging area/boat launch can continue to operate during the response. BNSF train tracks run right along the riverbank. Call Skamania County before deployment (509-427-8329).	Sector MCRB-02	71
B-154.7R	WKO Lumber (High Cascade Veneer) 45.70993 -121.78928	Deflection	Boom 700ft	Yes	Remote Stage equipment at SA-WIND-0.2L Wind River Boat Launch (Old Hatchery Rd, Stevenson, WA 98648).	Resident Fish, Salmonids, Waterfowl	WKO owns the HCV property. Call the company before deployment (509-774-8282).	Sector MCRB-02	73
B-155.4R	Home Valley Park (Sail Board Beach) 45.70783 -121.77999	Exclusion	Boom 400ft	Yes	Remote Stage equipment at SA-WIND-0.2L Wind River Boat Launch (Old Hatchery Rd, Stevenson, WA 98648).	County Park, Resident Fish, Salmonids, Sensitive Resources, Waterfowl	Skamania County manages the park. Call the county before deployment (509-427-8076).	Sector MCRB-02	75

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
B-155.5R	Home Valley Park (Swim Beach) 45.70786 -121.77811	Deflection	Boom 600ft	Yes	Remote Stage equipment at SA-WIND-0.2L Wind River Boat Launch (Old Hatchery Rd, Stevenson, WA 98648).	County Park, Resident Fish, Salmonids, Waterfowl	Skamania County manages the park. Call the county before deployment (509-427-8076).	Sector MCRB-02	77
B-155.6L	Gorton Creek Area 45.69306 -121.77959	Exclusion	Boom 200ft	Yes	Remote Stage at Old Hatchery Road Boat Launch (SA-WIND-0.2L)	Salmonids, Waterfowl	Use Old Hatchery Road Boat Launch (BL-WIND-0.2L)	Sector MCRB-02	79
B-156.0R	Home Valley Park (Campground) 45.70727 -121.76885	Deflection	Boom 700ft	Yes	Remote Stage equipment at SA-WIND-0.2L Wind River Boat Launch (Old Hatchery Rd, Stevenson, WA 98648).	County Park, Resident Fish, Salmonids, Waterfowl	BNSF train tracks run right along the riverbank. Skamania County manages the park to the west. Call the county before deployment (509-427-8076).	Sector MCRB-02	81
B-157.5R	Collins Point 45.69657 -121.73861	Deflection	Boom 700ft	Yes	Remote Stage equipment at SA-WIND-0.2L Wind River Boat Launch (Old Hatchery Rd, Stevenson, WA 98648).	Resident Fish, Salmonids, Waterfowl	There is a green aid to navigation (#23) near the location. Call Skamania County before deployment (509-427-8076).	Sector MCRB-02	83

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
B-158.3R	Grant Lake 45.69897 -121.72114	Exclusion	Boom 200ft	Yes	Remote Stage equipment at SA-B-162.4R Drano Lake Boat Launch (57370 WA-14, Bingen, WA 98605).	Backwater Habitat, Resident Fish, Salmonids, Waterfowl	The BNSF culvert leading to the lake is located in the center of the track/road berm. Call Skamania County before deployment (509-427-8329). Also, notify BNSF given proximity of tracks to riverbank.	Sector MCRB-02	85
B-160.5L	Viento Creek 45.69647 -121.67518	Exclusion	Boom 100ft	Yes	Remote Stage at SA-162.4R (Drano Lake Boat Launch)	Estuary Resources, Recreational Use Area, Salmonids, State Park, Waterfowl	Launch at BL-B-162.4R (Drano Lake Boat Launch)	Sector MCRB-02	87
B-161.6R	Cook Landing 45.70928 -121.65853	Exclusion	Boom 700ft	Yes	Remote Stage equipment at SA-B-162.4R Drano Lake Boat Launch (57370 WA-14, Bingen, WA 98605).	Raptors, Resident Fish, Salmonids, Tribal Lands/Resources	This location is a CRITFC Treaty Fishing Access Site; notify them before deployment.	Sector MCRB-02	89
B-162.0R	Drano Lake 45.71098 -121.64860	Exclusion	Boom 400ft	Yes	Remote Stage equipment at SA-B-162.4R Drano Lake Boat Launch (57370 WA-14, Bingen, WA 98605).	Backwater Habitat, Fish Hatchery, Resident Fish, Salmonids, Waterfowl	Call Skamania County before deployment (509-427-8329). Also, notify BNSF given proximity of tracks to riverbank.	Sector MCRB-02	91

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
B-163.8R	Tunnel Lake 45.71726 -121.61233	Exclusion	Boom 200ft	Yes	Remote Stage equipment at SA-B-162.4R Drano Lake Boat Launch (57370 WA-14, Bingen, WA 98605).	Raptors, Resident Fish, Salmonids, Waterfowl	The BNSF culvert leading to the lake is located at the eastern end of the tracks/road near the tunnels. Call Skamania County before deployment (509-427-8329). Also, notify BNSF given proximity of tracks to riverbank.	Sector MCRB-03	93
B-167.0R	Spring Creek Hatchery State Park 45.72344 -121.55524	Deflection	Boom 600ft	Yes	Remote Stage equipment at SA-B-169.8L Port of Hood River Marina (1000 E Port Marina Dr, Hood River, OR 97031).	Resident Fish, Salmonids, State Park, Waterfowl	Call State Parks before deployment (509-773-3145).	Sector MCRB-03	95
B-167.4L	Wells Island 45.71820 -121.53884	Deflection	Boom 1000ft	Yes	Remote Stage at SA-B-169.85L/Port of Hood River	Marine Birds, Raptors, Salmonids, Shorebirds, Waterfowl, Waterfowl	Launch at BL-B-169.85L/Port of Hood River	Sector MCRB-03	97

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
B-167.4R	USFWS Spring Creek National Fish Hatchery 45.72733 -121.54445	Exclusion	Boom 600ft	Yes	Remote Stage equipment at SA-B-169.8L Port of Hood River Marina (1000 E Port Marina Dr, Hood River, OR 97031).	Fish Hatchery	The US Fish & Wildlife Service manages the hatchery. There is a notification strategy for this facility. Call USFWS before deployment (509-493-1730).	Sector MCRB-03	99
B-168.4L	The Hook to Wells Island 45.71554 -121.52705	Exclusion	Boom 900ft	Yes	Remote Stage at SA-B-169.85L/Port of Hood River	Raptors, Recreational Use Area, Salmonids, Waterfowl	Launch at BL-B-169.85L/Port of Hood River	Sector MCRB-03	101
B-168.5R	White Salmon River Mouth 45.72818 -121.52201	Exclusion	Boom 400ft	Yes	Remote Stage equipment at SA-B-169.8L Port of Hood River Marina (1000 E Port Marina Dr, Hood River, OR 97031).	Backwater Habitat, Raptors, Resident Fish, Salmonids, Sensitive Resources, Waterfowl	The Underwood In-Lieu Site is just inside the river on the right bank. Call CRITFC before deployment (541-386-6363). Train tracks belong to BNSF.	Sector MCRB-03	103
B-169.6L	Columbia & Hood River Confluence 45.71467 -121.50786	Collection	Boom 400ft	Yes	Onsite Stage on site, or across the boat basin at SA-B-170L/Port of Hood River	Marine Birds, Raptors, Recreational Use Area, Riparian Habitat, Salmonids, Shorebirds, Waterfowl	Launch at BL-B-170L/Port of Hood River	Sector MCRB-03	105

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
B-169.7L	Hood River Marina 45.71497 -121.50289	Collection	Boom 1000ft	Yes	Onsite Stage at SA-B-169.85L/Port of Hood River	Marina, Salmonids, Waterfowl	Launch at BL-B-169.85L/Port of Hood River	Sector MCRB-03	107
B-170.7R	SDS Lumber Peninsula 45.71522 -121.48082	Deflection	Boom 800ft	Yes	Remote Stage equipment at SA-B-169.8L Port of Hood River Marina (1000 E Port Marina Dr, Hood River, OR 97031).	Economic Resources, Resident Fish, Salmonids, Waterfowl	There is an exclusion strategy in the inlet to the east and a notification strategy for the overall property. Call SDS Lumber before deployment (541-490-3299).	Sector MCRB-03	109
B-170.8R	SDS Lumber Inlet 45.71502 -121.47743	Exclusion	Boom 600ft	Yes	Remote Stage equipment at SA-B-169.8L Port of Hood River Marina (1000 E Port Marina Dr, Hood River, OR 97031).	Economic Resources, Resident Fish, Salmonids, Waterfowl	There is a deflection strategy to the west and a notification strategy for the overall property. SDS Lumber has their own boom and may deploy this very strategy upon notification. Call company before deployment (541-490-3299).	Sector MCRB-03	111

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
B-171.4R	Bingen Lake Outlet 45.70831 -121.46748	Exclusion	Boom 700ft	Yes	Remote Stage equipment at SA-B-171.7R Marina Park (1051 E Marina Way, Bingen, WA 98605).	Resident Fish, Riparian Habitat, Salmonids, Waterfowl, Wetlands	There is an outfall running underneath Maple St that drains the lake. Call Port of Klickitat before deployment (509-493-1655). Also notify SDS lumber.	Sector MCRB-03	113
B-172.2R	Bingen Harbor 45.70424 -121.45374	Deflection	Boom 400ft	Yes	Remote Stage equipment at SA-B-171.7R Marina Park (1051 E Marina Way, Bingen, WA 98605).	Resident Fish, Salmonids, Waterfowl, Wetlands	Anchor Point A is on Dickeys Farm property. Call farm before deployment (509-493-2636).	Sector MCRB-03	115
B-172.7R	Dickey Farms 45.70302 -121.44210	Collection	Boom 600ft	Yes	Remote Stage equipment at SA-B-171.7R Marina Park (1051 E Marina Way, Bingen, WA 98605).	Economic Resources, Resident Fish, Salmonids, Waterfowl	Call the farm before deployment (509-493-2636). There may be a surface water intake at this location.	Sector MCRB-03	117
B-174.5R	Look Lake 45.69842 -121.40823	Exclusion	Boom 200ft	Yes	Remote Stage equipment at SA-B-171.7R Marina Park (1051 E Marina Way, Bingen, WA 98605).	Backwater Habitat, Resident Fish, Salmonids	Call Klickitat County before deployment (509-493-1655). The train tracks belong to BNSF.	Sector MCRB-03	119
B-174.9L	Mosier Creek 45.68616 -121.39529	Exclusion	Boom 100ft	Yes	Remote Stage at SA-B-171.7R/Bingen Marina	Raptors, Riparian Habitat, Salmonids, Waterfowl	Launch at BL-B-171.7R/Bingen Marina	Sector MCRB-04	121

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
B-176.1R	Rowland Lake 45.70452 -121.38233	Exclusion	Boom 200ft	Yes	Remote Stage equipment at SA-B-171.7R Marina Park (1051 E Marina Way, Bingen, WA 98605).	Backwater Habitat, Raptors, Resident Fish, Salmonids, Waterfowl	Call Klickitat County before deployment (509-493-1655). The train tracks belong to BNSF.	Sector MCRB-04	123
B-177.8R	Hewett Lake 45.70989 -121.34441	Exclusion	Boom 200ft	Yes	Remote Stage equipment at SA-B-180.9L Mayer State Park (Rowena River Rd, The Dalles, OR 97058).	Backwater Habitat, Resident Fish, Salmonids, Waterfowl	Call Klickitat County before deployment (509-493-1655). The train tracks belong to BNSF.	Sector MCRB-04	125
B-178.7L	McClure Lake 45.69651 -121.32500	Exclusion	Boom 100ft	Yes	Remote Stage at SA-B-180.9L/Mayer State Park	Raptors, Resident Fish, Salmonids, Waterfowl	Launch at BL-B-180.9L/Mayer State Park	Sector MCRB-04	127
B-179.9R	Chamberlain Lake 45.69978 -121.30110	Exclusion	Boom 200ft	Yes	Remote Stage equipment at SA-B-180.9L Mayer State Park (Rowena River Rd, The Dalles, OR 97058).	Backwater Habitat, Raptors, Resident Fish, Salmonids, Waterfowl	Call Klickitat County before deployment (509-493-1655). The train tracks belong to BNSF.	Sector MCRB-04	129
B-180.5R	Klickitat River Mouth 45.69598 -121.29206	Exclusion	Boom 400ft	Yes	Remote Stage equipment at SA-B-180.9L Mayer State Park (Rowena River Rd, The Dalles, OR 97058).	Backwater Habitat, Resident Fish, Salmonids, Sensitive Resources, Waterfowl	Call Klickitat County before deployment (509-493-1655). The train tracks belong to BNSF.	Sector MCRB-04	131

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
B-181.0L	Mayer State Park, Salisbury Slough 45.68317 -121.28649	Deflection	Boom 1000ft	Yes	Remote Stage at SA-B-180.9L/Mayer State Park	Raptors, Resident Fish, Salmonids, State Park, Waterfowl	Launch at BL-B-180.9L/Mayer State Park	Sector MCRB-04	133
B-181.1R	Lyle Point 45.68843 -121.28153	Deflection	Boom 1000ft	Yes	Remote Stage equipment at SA-B-180.9L Mayer State Park (Rowena River Rd, The Dalles, OR 97058).	Raptors, Resident Fish, Salmonids, Tribal Lands/Resources, Wetlands	This location is a CRITFC Treaty Fishing Access Site; notify them before deployment.	Sector MCRB-04	135
B-181.4L	Mayer State Park Boat Launch 45.67883 -121.28190	Exclusion	Boom 1000ft	Yes	Onsite Stage on site at SA-B-180.9L/Mayer State Park	Raptors, Resident Fish, Salmonids, State Park, Waterfowl	Launch on site at BL-B-180.9L/Mayer State Park	Sector MCRB-04	137
B-182.6L	West of Tooley Lake 45.67172 -121.25617	Deflection	Boom 1000ft	Yes	Remote Stage at SA-B-180.9L/Mayer State Park	Salmonids, Waterfowl	Launch at BL-B-180.9L/Mayer State Park	Sector MCRB-05	139
B-183.4R	Doug's Beach State Park 45.67621 -121.23602	Deflection	Boom 400ft	Yes	Remote Stage equipment at SA-B-180.9L Mayer State Park (6500 Rowena Ferry Rd, Mosier, OR 97040).	Resident Fish, Salmonids, Sensitive Resources, State Park, Waterfowl	Call State Parks before deployment (509-773-3145).	Sector MCRB-05	141

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
B-183.9L	North of Tooley Lake 45.66822 -121.23121	Deflection	Boom 1000ft	Yes	Remote Stage at SA-B-180.9L/Mayer State Park	Raptors, Resident Fish, Salmonids, State Park, Waterfowl	Launch at BL-B-180.9L/Mayer State Park	Sector MCRB-05	143
B-186.1L	Rocky Island North 45.64985 -121.20232	Deflection	Boom 400ft	Yes	Remote Stage at SA-B-190L/Port of The Dalles Marina	Salmonids, Waterfowl	Launch at BL-B-190L/Port of The Dalles Marina	Sector MCRB-05	145
B-186.6L	South of Rocky Island 45.64318 -121.20248	Exclusion	Boom 800ft	Yes	Remote Stage at SA-B-190L/Port of The Dalles Marina	Salmonids, Sensitive Resources Nearby, Waterfowl	Launch at BL-B-190L/Port of The Dalles Marina	Sector MCRB-05	147
B-186.8L	Southeast of Taylor Lake 45.63982 -121.20119	Deflection	Boom 800ft	Yes	Remote Stage at SA-B-190L/Port of The Dalles Marina	Raptors, Salmonids, Waterfowl	Launch at BL-B-190L/Port of The Dalles Marina	Sector MCRB-05	149
B-187.1L	Riverfront Trail at River Rd 45.63672 -121.19945	Collection	Boom 1000ft	Yes	Onsite Stage off of River Rd on Riverfront Trail beside small cove at collection point		Launch at BL-B-190L/Port of The Dalles Marina	Sector MCRB-05	151
B-187.3L	Chenoweth Creek 45.63346 -121.19963	Exclusion	Boom 900ft	Yes	Remote BL-B-190L/Port of The Dalles Marina	Estuary Resources, Salmonids, Waterfowl	Launch at BL-B-190L/Port of The Dalles Marina	Sector MCRB-05	153

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
B-187.7R	North Dalles Irrigation District 45.62805 -121.19341	Deflection	Boom 600ft	Yes	Remote Stage equipment at SA-B-190.0L The Dalles Marina (101 North Basin Road, The Dalles, OR 97058).	Resident Fish, Salmonids, Sensitive Resources, Water Intakes	There is a notification strategy for this location. Call the irrigation district before deployment (541-993-0203).	Sector MCRB-05	155
B-188.2L	Riverfront Trail Water Intake Facility 45.62080 -121.19828	Deflection	Boom 1000ft	Yes	Remote Stage at SA-B-190L/Port of The Dalles Marina	Water Intakes	Launch at BL-B-190L/Port of The Dalles Marina	Sector MCRB-05	157
B-188.5R	Dallesport 45.61702 -121.19490	Deflection	Boom 400ft	Yes	Remote Stage equipment at SA-B-190.0L The Dalles Marina (101 North Basin Road, The Dalles, OR 97058).	Raptors, Resident Fish, Salmonids, Tribal Lands/Resources	This location is a CRITFC Treaty Fishing Access Site; notify them before deployment.	Sector MCRB-05	159
B-189.9L	Port of The Dalles Marina 45.60243 -121.17360	Exclusion	Boom 400ft	Yes	Onsite Stage at SA-B-190L/Port of The Dalles Marina	Marina	Launch on site at BL-B-190L/Port of The Dalles Marina	Sector MCRB-05	161
B-190.1L	Riverfront Park 45.60130 -121.16745	Exclusion	Boom 1200ft	Yes	Onsite Stage at SA-B-190L/Port of The Dalles Marina	Sensitive Resources	Launch on site at BL-B-190L/Port of The Dalles Marina	Sector MCRB-05	163

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
B-191.4R	The Dalles Dam Navigation Lock 45.61213 -121.14315	Collection	Boom 500ft	Yes	Remote Stage equipment at SA-B-190.0L The Dalles Marina (101 North Basin Road, The Dalles, OR 97058).	Lock and Dam, Resident Fish, Salmonids, Sensitive Resources	Call USACE before deployment (541-298-7505). Responders can drive a vacuum truck to the location.	Sector MCRB-05	165
B-192.4L	Fifteenmile Creek at Seufert Park 45.61387 -121.12324	Exclusion	Boom 100ft	Yes	Remote Stage at SA-B-190.0L/Port of The Dalles Marina	Riparian Habitat, Salmonids, Sensitive Resources Nearby	Launch from BL-B-190.0L/Port of The Dalles Marina	Sector MCRB-05	167

Notification Strategy Matrices

Strategy Name	Location	Strategy Type	Resources at Risk	Implementation	Comments	Sector Map	Strategy Details (Page#)
B-145.4-N	USACE Bonneville Dam 45.64024 -121.94630	Notification	Lock and Dam, Resident Fish, Salmonids, Sensitive Resources	Call USACE at (541) 374-8338 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.	Notify the US Army Corps of Engineers (USACE) so they can take action to protect the resources under their control.	Sector MCRB-01	171
B-146.2-N	ODFW Cascade Hatchery 45.64154 -121.92772	Notification	Fish Hatchery	Call Hatchery Manager at 503-801-3713 so they can determine if evacuation is needed or if they should shut down circulation pumps	Keep hatchery employees and fish safe	Sector MCRB-01	173
B-150.8-N	City of Cascade Locks Water Intake 45.68361 -121.86310	Notification	Public Health and Safety, Water Intakes	Call Public Works Foreman at 541-386-2711. Determine need to shut off water intakes.	Alert to need to monitor and potentially shut off community water system well located less than 500 feet from river bank.	Sector MCRB-01	175
B-167.5-N	USFWS Spring Creek National Fish Hatchery 45.72801 -121.54358	Notification	Fish Hatchery	Call the hatchery at (509) 493-1730 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.	Notify the US Fish & Wildlife Service staff so they can take action to protect the resources under their control.	Sector MCRB-03	177

Strategy Name	Location	Strategy Type	Resources at Risk	Implementation	Comments	Sector Map	Strategy Details (Page#)
B-171.0-N	SDS Lumber 45.71450 -121.46844	Notification	Economic Resources	Call SDS at (541) 490-3299 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.	Notify the company so they can take action to protect the resources under their control.	Sector MCRB-03	179
B-187.7-N	North Dalles Irrigation District 45.62861 -121.19311	Notification	Economic Resources, Water Intakes	Call the district at (541) 993-0203 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.	Notify the district so they can take action to protect the resources under their control.	Sector MCRB-05	181
B-189.0-N	The Dalles Irrigation District Water Intake 45.60800 -121.18940	Notification	Water Intakes	Call 541-993-5200 (24 hours), to have them shut off water intake	Shut off water intake	Sector MCRB-05	183
B-190.5-N	City of The Dalles Public Works 45.60659 -121.13684	Notification	Public Health and Safety, Water Intakes	Call 541-980-7703, On Call Rotation for Public Works. Determine need to shut down water intakes.	Alert to need to monitor and potentially shut off large municipal well located less than 500 feet from river bank.	Sector MCRB-05	185

Strategy Name	Location	Strategy Type	Resources at Risk	Implementation	Comments	Sector Map	Strategy Details (Page#)
KLCKR-42.5-N	Klickitat Hatchery 45.72017 -121.25693	Notification	Fish Hatchery	Call the hatchery at (509) 364-3310 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.	Notify the Yakima/Klickitat Fisheries Project staff so they can take action to protect the resources under their control.	Sector MCRB-04	187
KLCKR-8.7-N	WDFW Goldendale Hatchery 45.71906 -121.25686	Notification	Fish Hatchery	Call WDFW at (360) 601-1301 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.	Notify hatchery staff so they can take action to protect the resources under their control.	Sector MCRB-04	189
LWSR-1.0-N	USFWS Little White Salmon National Fish Hatchery 45.71917 -121.64480	Notification	Fish Hatchery	Call the hatchery at (509) 538-2755 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.	Notify the US Fish & Wildlife Service staff so they can take action to protect the resources under their control.	Sector MCRB-02	191

Strategy Name	Location	Strategy Type	Resources at Risk	Implementation	Comments	Sector Map	Strategy Details (Page#)
LWSR-5.0-N	USFWS Willard National Fish Hatchery 45.74642 -121.63883	Notification	Fish Hatchery	Call the hatchery at (509) 538-2305 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.	Notify the US Fish & Wildlife Service staff so they can take action to protect the resources under their control.	Sector MCRB-02	193
WIND-18.0-N	USFWS Carson National Fish Hatchery 45.74618 -121.81230	Notification	Fish Hatchery	Call the hatchery at (509) 427-5905 ext200 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.	Notify the US Fish & Wildlife Service staff so they can take action to protect the resources under their control.	Sector MCRB-02	195

Staging Area Matrices

Strategy Name	Location	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
SA-B-148.3L	Cascade Locks Marine Park	45.66733 -121.89675	355 Wa Na Pa St Cascade Locks, OR 97014	Port of Cascade Locks Property Owner OR 541-374-8535	B-148.8L, B-148.7R, B-147.3R, B-146.9R	Parking lot and small marina facilities near the boat launch	Sector MCRB-01	199
SA-B-150.7R	Cascade Boat Launch	45.69416 -121.87804	10 NE Cascade Ave Stevenson, WA 98648	Port of Skamania 212 SW Cascade Stevenson, WA 98468 509-427-5484	B-151.5R, B-151.8L, B-150.7R, B-150.5R, B-150.1R	Public staging area and boat launch on the right bank of the Columbia River (in the City of Stevenson). Notify the port before staging equipment (509-427-5484).	Sector MCRB-01	201
SA-B-162.4R	Drano Lake Boat Launch	45.71044 -121.63934	57370 WA-14 Bingen, WA 98605	Skamania County Public Works Stevenson, WA 98648 509-427-3929	B-161.6R, B-162.0R, B-163.8R, B-158.3R	Public staging area and boat launch on the right bank of the Columbia River (sheltered behind highway and train tracks). Notify Skamania County before staging equipment (509-427-3929).	Sector MCRB-02	203
SA-B-169.8L	Port of Hood River Marina	45.71233 -121.50198	1000 E Port Marina Drive Hood River, OR 97031	Port of Hood River Marina Hood River, OR 97031 541-387-5544	B-170.8R, B-168.4L, B-169.7L, B-170.7R, B-167.4L, B-168.5R, B-167.4R	Public staging area and boat launch on the left bank of the Columbia River. Notify the port before staging equipment (541-387-5544).	Sector MCRB-03	205

SA-B-171.7R	Marina Park	45.70909 -121.45715	1051 E Marina Way Bingen, WA 98605	Port of Klickitat 154 E Bingen Point Way Ste. A Bingen, WA 98605 509-493-1655	B-172.2R, B-174.5R, B-172.7R, B-174.9L, B-176.2R, B-171.4R	Public staging area and boat launch on the right bank of the Columbia River. Notify the port before staging equipment (509-493-1655).	Sector MCRB-03	207
SA-B-180.9L	Mayer State Park (West)	45.68153 -121.28861	6500 Rowena Ferry Rd Mosier, OR 97040	Mayer State Park Mosier, OR 97040 541-478-3008	B-179.9R, B-177.8R, B-181.4L, B-180.5R, B-182.6L, B-178.7L, B-181.0L, B-183.4R, B-183.9L, B-181.1R	Public staging area and boat launch on the left bank of the Columbia River. Notify the park before staging equipment (541-478-3008).	Sector MCRB-04	209
SA-B-190.0L	The Dalles Marina	45.60132 -121.16988	101 North Basin Road The Dalles, OR 97058	Port of The Dalles The Dalles, OR 97058 541-298-4148	B-187.7R, B-186.8L, B-191.4R, B-189.9L, B-188.5R, B-188.2L, B-186.1L, B-187.3L, B-192.4L, B-186.6L, B-190.1L	Public staging area and boat launch on the left bank of the Columbia River two miles downriver from The Dalles Dam. Notify the Port of The Dalles before staging equipment (541-298-4148).	Sector MCRB-05	211
SA-WIND-0.2L	Wind River Boat Launch	45.71827 -121.78895	Old Hatchery Road Stevenson, WA 98648	Skamania County Public Works Stevenson, WA 98648 509-427-3929	B-155.6L, B-156.0R, B-155.4R, B-157.5R, B-155.5R, B-154.6R, B-154.7R	Public staging area and boat launch on the left bank of the Wind River. Notify Skamania County before staging equipment (509-427-3929).	Sector MCRB-02	213

Boat Launch Matrices

Strategy Name	Location	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
BL-B-148.3L	Cascade Locks Marine Park	45.66733 -121.89675	355 Wa Na Pa St Cascade Locks, OR 97014	Port of Cascade Locks Property Owner OR 541-374-8535	B-148.8L, B-148.7R, B-147.3R, B-146.9R	Parking lot and small marina facilities near the boat launch	Sector MCRB-01	217
BL-B-150.7R	Cascade Boat Launch	45.69416 -121.87804	10 NE Cascade Ave Stevenson, WA 98648	Port of Skamania 212 SW Cascade Stevenson, WA 98468 509-427-5484	B-151.5R, B-151.8L, B-150.7R, B-150.5R, B-150.1R	Public staging area and boat launch on the right bank of the Columbia River (in the City of Stevenson). Notify the port before staging equipment (509-427-5484).	Sector MCRB-01	219
BL-B-162.4R	Drano Lake Boat Launch	45.71044 -121.63934	57370 WA-14 Bingen, WA 98605	Skamania County Public Works Stevenson, WA 98648 509-427-3929	B-161.6R, B-162.0R, B-163.8R, B-158.3R	Public staging area and boat launch on the right bank of the Columbia River (sheltered behind highway and train tracks). Notify Skamania County before staging equipment (509-427-3929).	Sector MCRB-02	221
BL-B-169.8L	Port of Hood River Marina	45.71233 -121.50198	1000 E Port Marina Drive Hood River, OR 97031	Port of Hood River Marina Hood River, OR 97031 541-387-5544	B-170.8R, B-168.4L, B-169.7L, B-170.7R, B-167.4L, B-168.5R, B-167.4R	Public staging area and boat launch on the left bank of the Columbia River. Notify the port before staging equipment (541-387-5544).	Sector MCRB-03	223

BL-B-171.7R	Marina Park	45.70909 -121.45715	1051 E Marina Way Bingen, WA 98605	Port of Klickitat 154 E Bingen Point Way Ste. A Bingen, WA 98605 509-493-1655	B-172.2R, B-174.5R, B-172.7R, B-174.9L, B-176.2R, B-171.4R	Public staging area and boat launch on the right bank of the Columbia River. Notify the port before staging equipment (509-493-1655).	Sector MCRB-03	225
BL-B-180.9L	Mayer State Park (West)	45.68153 -121.28861	6500 Rowena Ferry Rd Mosier, OR 97040	Mayer State Park Mosier, OR 97040 541-478-3008	B-179.9R, B-177.8R, B-181.4L, B-180.5R, B-182.6L, B-178.7L, B-181.0L, B-183.4R, B-183.9L, B-181.1R	Public staging area and boat launch on the left bank of the Columbia River. Notify the park before staging equipment (541-478-3008).	Sector MCRB-04	227
BL-B-190.0L	The Dalles Marina	45.60132 -121.16988	101 North Basin Road The Dalles, OR 97058	Port of The Dalles The Dalles, OR 97058 541-298-4148	B-187.7R, B-186.8L, B-191.4R, B-189.9L, B-188.5R, B-188.2L, B-186.1L, B-187.3L, B-192.4L, B-186.6L, B-190.1L	Public staging area and boat launch on the left bank of the Columbia River two miles downriver from The Dalles Dam. Notify the Port of The Dalles before staging equipment (541-298-4148).	Sector MCRB-05	229
BL-WIND-0.2L	Wind River Boat Launch	45.71827 -121.78895	Old Hatchery Road Stevenson, WA 98648	Skamania County Public Works Stevenson, WA 98648 509-427-3929	B-155.6L, B-156.0R, B-155.4R, B-157.5R, B-155.5R, B-154.6R, B-154.7R	Public staging area and boat launch on the left bank of the Wind River. Notify Skamania County before staging equipment (509-427-3929).	Sector MCRB-02	231

APPENDIX A

Response Strategy 2-Pagers

Bonneville Lock

B-145.4L

Position - Location: 45° 38.266', -121° 56.767' 45° 38' 15.9", -121° 56' 46.0" 45.63776, -121.94612 Cascade Locks

Strategy Objective: Collection : Remove oil from Bonneville Lock

Implementation: Anchor 200' of boom on the S side of the lock wall, E of the upstream gate, then anchor the boom on the opposite side of the lock angled to the NW close to a location where a vac truck (skimmer/portable storage) can get access to the water). Adjust angle of boom, quantity and placement of anchors, based on conditions of the day.

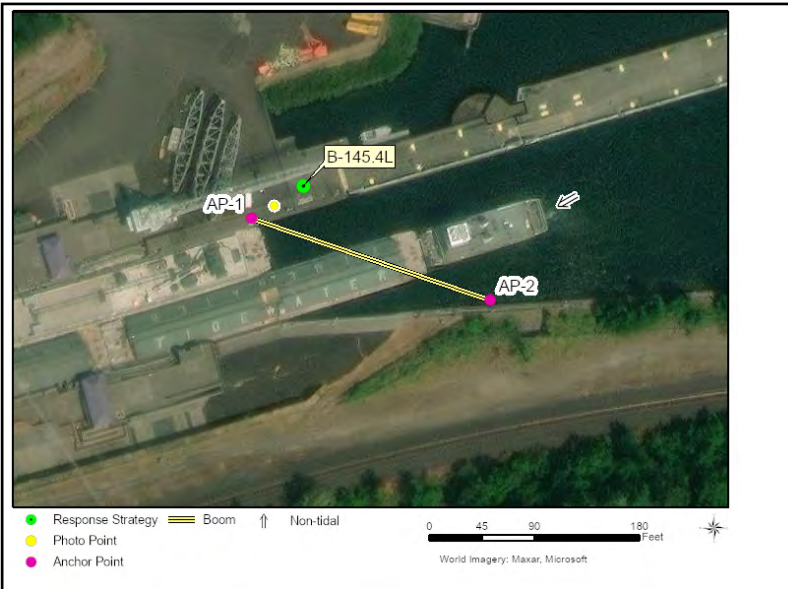
Staging Area: Onsite: Stage next to the lock on USACE restricted property call Bonneville Dam control room at 541-374-8338 to access area

Site Safety: Dam and lock, water hazard, slips, trips & falls.

Field Notes: Launch at BL-B-145.7M/USACE Bradford Island; must contact Bonneville Dam control room at 541-374-8338 to access area

Watercourse: River - Above a Dam - NE Bonneville Way

Resources at Risk: Lock and Dam



Recommended Equipment

1	Each	Anchor - Danforth (or other appropriate type)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Vac Truck or Skimmer and Storage
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Bonneville Lock

B-145.4L



B-145.4L Photo: View of the location for a vac truck to be parked on the N side of the upstream end of the Bonneville Lock

Site Contact

USACE Bonneville Dam

Pre-Notification Required : Control Room

Cascade Locks, OR 97014
541-374-8338

Nearest Address

70700 NE Sturgeon Ln
Cascade Locks, OR 97014



Driving Directions

1. Directions to BL-B-145.7M/Bonneville Dam Bradford Island Boat Launch, starting at I-84 E
2. Take exit 40 ramp to Tanner Creek Rd (0.15 miles)
3. Turn left on NE Bonneville Way (0.5 miles)
4. Continue onto Star Route (0.6 miles)
5. Report to USACE Security Office/Gate for escort

Eagle Creek

B-145.9L

Position - Location: 45° 38.431', -121° 55.901' 45° 38' 25.8", -121° 55' 54.0" 45.64051, -121.93168 Cascade Locks

Strategy Objective: Exclusion : Keep oil from passing between the Columbia River and Eagle Creek

Implementation: Using workboat, deploy 300ft boom from one bank of Eagle Creek to the other bank (near the I-84 EB bridge) and 500ft boom across the mouth of Eagle Creek. Adjust angle of boom, quantity, and placement of anchors, depending on conditions of the day. Low water in Eagle Creek and/or higher flows in the Columbia will require additional boom and anchors. Waders may be needed in shallow waters near shore.

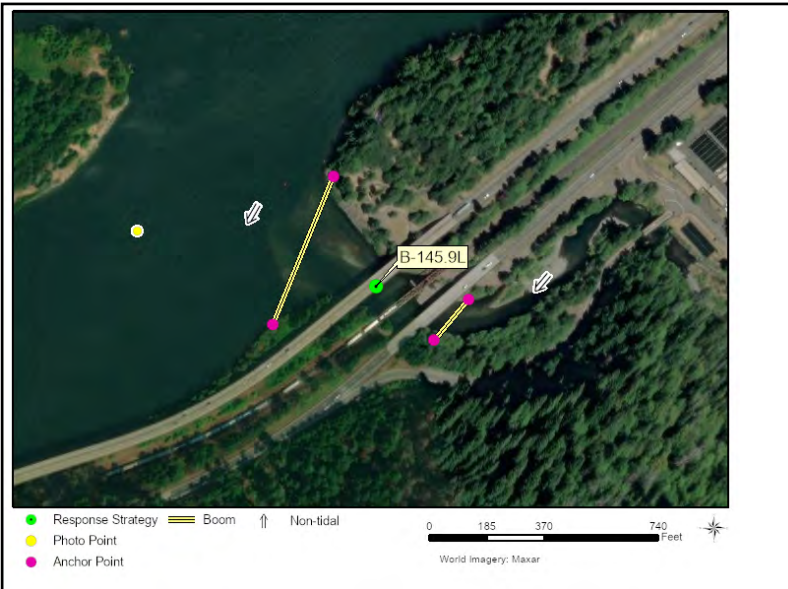
Staging Area: Onsite: Stage on site, parking with water access on Eagle Creek

Site Safety: Slips, Trips, Falls, Water Hazard, Railroad (do not allow people/equipment within 25ft of tracks).

Field Notes: Hand launch from the Eagle Creek Overlook Group Campground (creek may be shallow at times). Bring bolt cutters in case campground is closed.

Watercourse: River - Above a Dam - Columbia River (Bonneville Pool)

Resources at Risk: Federal Lands, Salmonids, Waterfowl



Recommended Equipment

3	Each	Anchoring System(s) - (anchor, lines, floats)
4	Each	Anchoring System(s)- Shoreside
800	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Eagle Creek

B-145.9L



B-145.9L Photo: From river, looking toward Eagle Creek. Photo taken during deployment drill in the fall (October).

Site Contact

USACE Bonneville pool

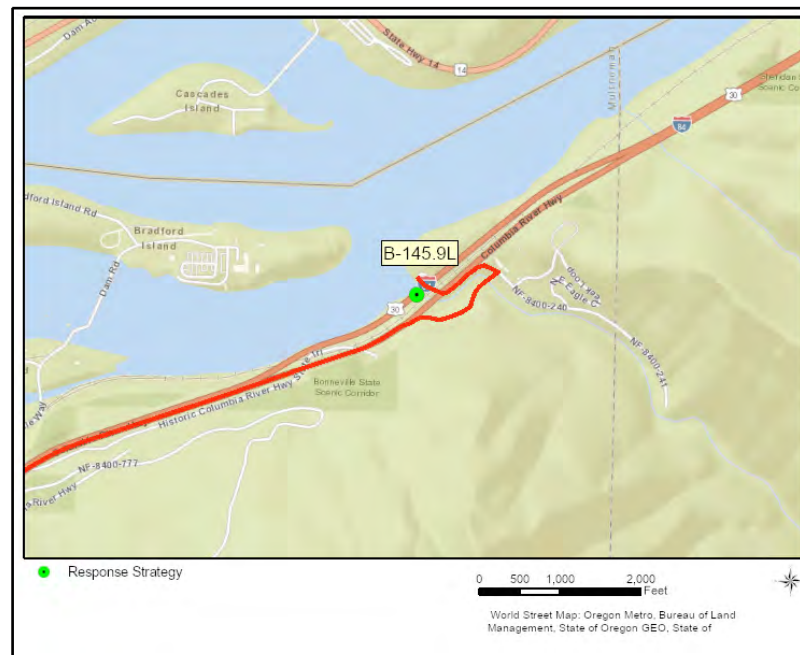
Primary Contact : Natural Resources Manager
541-374-8344

USDA Forest Service

Land/Property Owner : Columbia River Gorge National
Scenic Area
541-308-1700

Nearest Address

N E Eagle Creek Loop
Cascade Locks, OR 97014



Driving Directions

1. Head east on I-84 (Columbia River Hwy)
2. At exit 41 take ramp to NE Eagle Creek Loop
3. Turn left on NE Eagle Creek Loop (NF-8400-240)
4. Turn left again to stay on N E Eagle Creek Loop, parking area is on the left after crossing under the bridges

Fort Rains/North Bonneville (West)

B-146.9R

Position - Location: 45° 38.919', -121° 55.522' 45° 38' 55.1", -121° 55' 31.3" 45.64865, -121.92536 Cascade Locks

Strategy Objective: Deflection : Keep oil away from right bank of river.

Implementation: Using workboat, deploy 700ft boom at anchor point A on right bank. Extend remainder southwest into river channel at anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

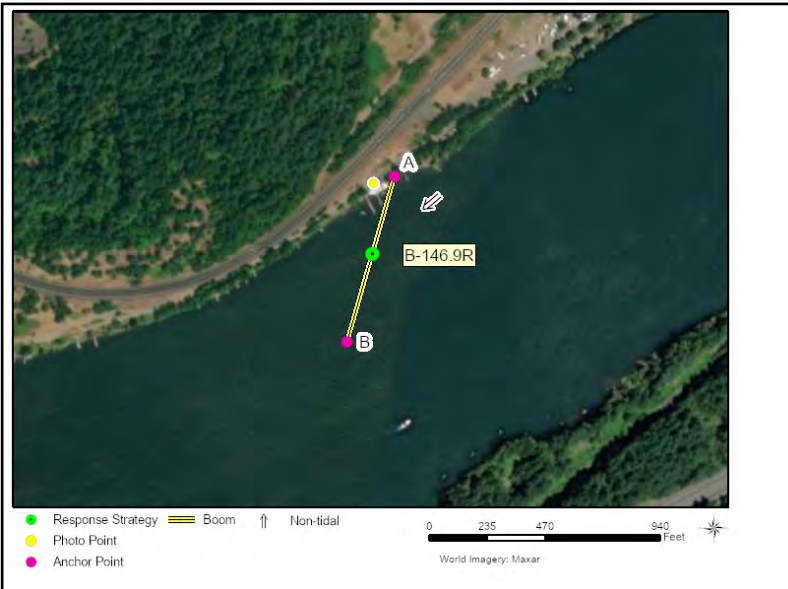
Staging Area: Remote: Stage equipment at SA-B-148.3L Port of Cascade Locks Marine Park (355 Wa Na Pa St, Cascade Locks, OR 97014).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Water Hazard

Field Notes: This location (known as "Buzz's") is part of a CRITFC Treaty Fishing Access Site; notify them before deployment. There are fishing platforms on the left bank/Oregon side of the river too.

Watercourse: River - Above a Dam - Bonneville Pool/Lake Bonneville

Resources at Risk: Raptors, Reptiles and Amphibians, Resident Fish, Salmonids, Sensitive Resources, Tribal Lands/Resources



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
700 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
3 Laborer
1 Supervisor

Fort Rains/North Bonneville (West)

B-146.9R



B-146.9R Photo: From right bank, looking east across the river. Note the treaty fishing structures in the foreground. Photo was taken in November.

Site Contact

Columbia River Inter-Tribal Fish Commission
Tribal Contact : Fisheries Enforcement

Hood River, OR 97031
541-386-6363

Nearest Address

355 Wa Na Pa St
Cascade Locks, OR 97014



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Port of Cascade Locks Marine Park (SABL-B-148.3L):

1. Head east on I-84 from Portland
2. Take exit 44
3. Continue on Wa Na Pa St
4. Turn left on SW Portage Rd
5. Location is at the end of the road

Fort Rains/North Bonneville (East)

B-147.3R

Position - Location: 45° 39.202', -121° 54.798' 45° 39' 12.1", -121° 54' 47.9" 45.65336, -121.91330 Cascade Locks

Strategy Objective: Deflection : Keep oil away from right bank of river.

Implementation: Using workboat, deploy 600ft boom at anchor point A on right bank. Extend remainder southwest into river channel at anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

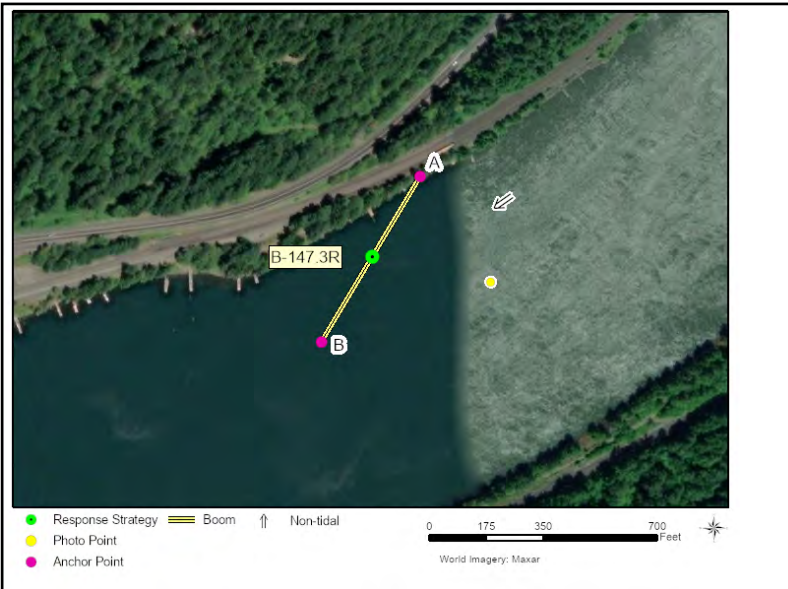
Staging Area: Remote: Stage equipment at SA-B-148.3L Port of Cascade Locks Marine Park (355 Wa Na Pa St, Cascade Locks, OR 97014).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Railroad Traffic; Water Hazard

Field Notes: BNSF train tracks are just onshore. Immediately downriver is the North Bonneville Treaty Fishing Access Site; Call CRITFC before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Resident Fish, Salmonids, Sensitive Resources Nearby



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
600 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
3 Laborer
1 Supervisor

Fort Rains/North Bonneville (East)

B-147.3R



B-147.3R Photo: From river, looking northwest towards the right bank. Note the treaty fishing platforms along the riverbank. Photo was taken in August.

Site Contact

BNSF Railway

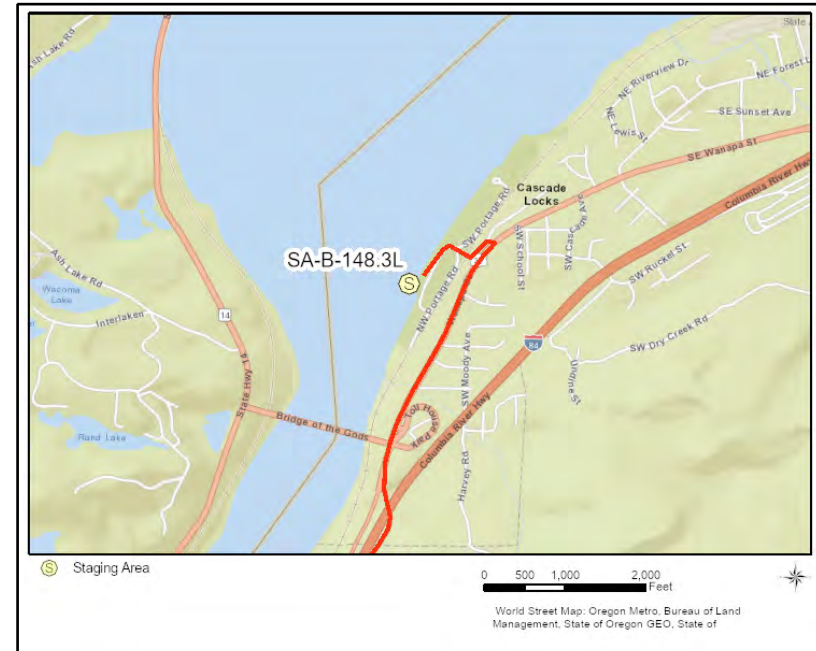
Land/Property Owner : Service Interruption Desk
817-352-2832

Columbia River Inter-Tribal Fish Commission

Tribal Contact : Fisheries Enforcement
541-386-6363

Nearest Address

355 Wa Na Pa St
Cascade Locks, OR 97014



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Port of Cascade Locks Marine Park (SABL-B-148.3L):

1. Head east on I-84 from Portland
2. Take exit 44
3. Continue on Wa Na Pa St
4. Turn left on SW Portage Rd
5. Location is at the end of the road

Ashes Lake

B-148.7R

Position - Location: 45° 40.478', -121° 54.558' 45° 40' 28.7", -121° 54' 33.5" 45.67464, -121.90930 Cascade Locks

Strategy Objective: Exclusion : Keep oil out of Ashes Lake by stopping oil from passing through culverts.

Implementation: Using workboat, deploy 200ft boom on upriver side of culvert at anchor point A. Then extend boom south and secure end near anchor point C. Near boom midpoint, use workboat to pull boom east, creating a chevron, and anchor near anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.

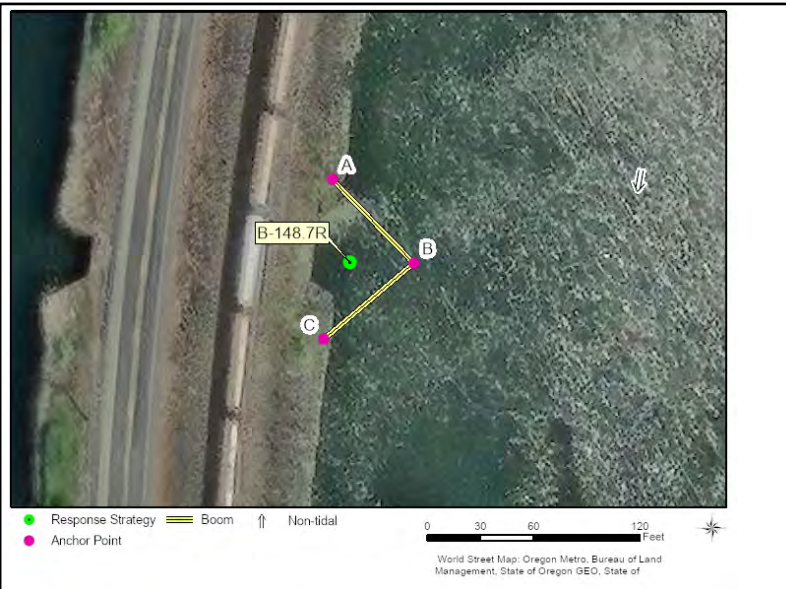
Staging Area: Remote: Stage equipment at SA-B-148.3L Port of Cascade Locks Marine Park (355 Wa Na Pa St, Cascade Locks, OR 97014).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Railroad Traffic; Water Hazard

Field Notes: BNSF train tracks and State Route 14 form the right bank of this stretch of river. Call Skamania County before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Backwater Habitat, Raptors, Resident Fish, Salmonids, Waterfowl, Wetlands



Recommended Equipment

1 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
200 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Ashes Lake

B-148.7R



B-148.7R Photo: From river, looking northwest toward culverts that passes under train tracks and SR-14. Photo was taken in August.

Site Contact

Skamania County

Municipality (County/City) : Emergency Management
509-427-8329

BNSF Railway

Land/Property Owner : Service Interruption Desk
817-352-2832

Nearest Address

355 Wa Na Pa St
Cascade Locks, OR 97014



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Port of Cascade Locks Marine Park (SABL-B-148.3L):

1. Head east on I-84 from Portland
2. Take exit 44
3. Continue on Wa Na Pa St
4. Turn left on SW Portage Rd
5. Location is at the end of the road

Thunder Island Marine Park

B-148.8L

Position - Location: 45° 40.341', -121° 53.504' 45° 40' 20.5", -121° 53' 30.2" 45.67235, -121.89173 Cascade Locks

Strategy Objective: Exclusion : Keep oil out of Thunder Island Marine Park

Implementation: Anchor 1000' of boom to the NE corner of Thunder Island Marine Park and tow boom to the W side of the tip of Thunder Island (leave room for boats to pass - close only if necessary and then anchor to tip of Thunder Island). Adjust angle of boom, quantity and placement of anchors, based on conditions of the day.

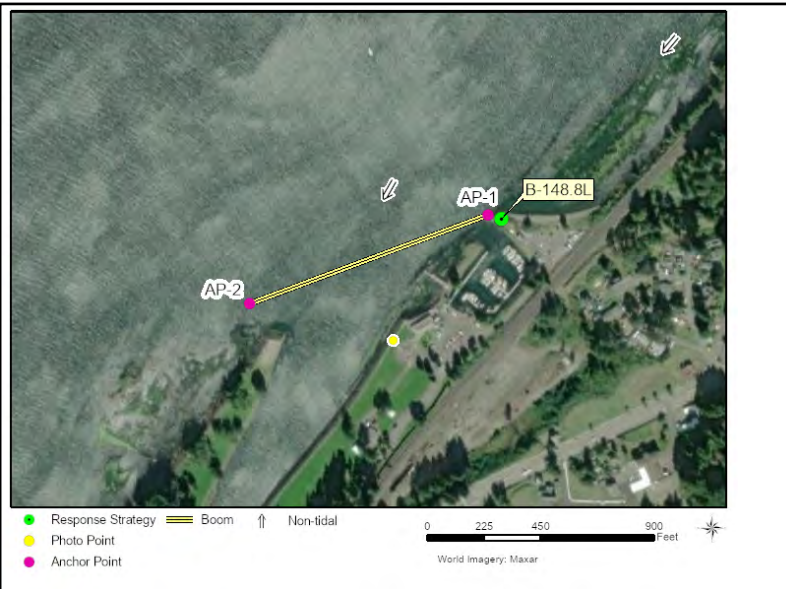
Staging Area: Onsite: Stage onsite at the N end of SA-B-148.3L/Thunder Island (Port of Cascade Locks)

Site Safety: Water hazard, slips, trips & falls

Field Notes: Launch on site at BL-B-148.3L/Thunder Island (Port of Cascade Locks)

Watercourse: River - Above a Dam - Bonneville pool

Resources at Risk: Marina, Recreational Use Area, Salmonids, Waterfowl



Recommended Equipment

5 Each	Anchor - Danforth (or other appropriate type)
2 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
4	Laborer
1	Supervisor



B-148.8L Photo: Aerial view of Cascade Locks Marina

Site Contact

Port of Cascade Locks

Land/Property Owner : Property Owner

OR

541-374-8535

Nearest Address

355 Wa Na Pa St
Cascade Locks, OR 97014



Driving Directions

1. Directions to SA-B-148.3L/Thunder Island (Port of Cascade Locks), starting at 47479 State Hwy 14 Stevenson, WA
2. Go southwest on WA-14 (State Road 14)
3. Turn left on Bridge Of The Gods
4. Bear right
5. Make sharp right on US-30 (Wa-Na-Pa St)
6. Turn left at 355 Wa Na Pa St and bear right after crossing the railroad tracks. Take road to the end to stage for B-148.8L

Rock Creek

B-150.1R

Position - Location: 45° 41.353', -121° 53.280' 45° 41' 21.2", -121° 53' 16.8" 45.68921, -121.88800 Stevenson

Strategy Objective: Exclusion : Keep oil out of creek.

Implementation: Using workboat, deploy 400ft boom at anchor point A. Then extend boom to the southwest and secure end near anchor point C. Near boom midpoint, use workboat to pull boom to the southeast, creating a chevron, and anchor near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

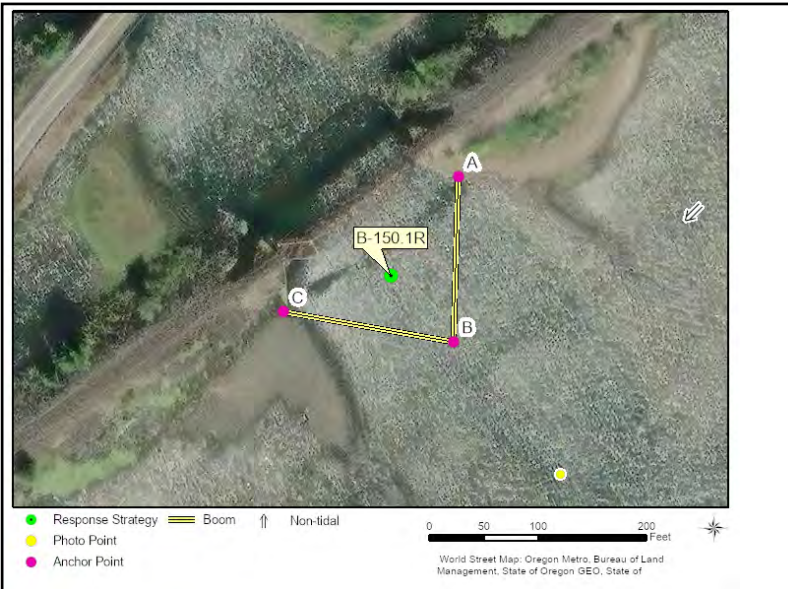
Staging Area: Remote: Stage equipment at SA-B-150.7R Cascade Boat Launch (SW Cascade Ave, Stevenson, WA 98648).

Site Safety: Rail Traffic; Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Call Skamania County before deployment. Also, notify BNSF given proximity of tracks to riverbank.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Backwater Habitat, Raptors, Resident Fish, Salmonids, Waterfowl, Wetlands



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
400	Feet	Boom - B2 (18" to 42")
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Rock Creek

B-150.1R



B-150.1R Photo: From river, looking northwest toward the rail and road bridges. Photo was taken in August.

Site Contact

Skamania County

Municipality (County/City) : Emergency Management
509-427-8329

BNSF Railway

Land/Property Owner : Service Interruption Desk
817-352-2832

Nearest Address

10 NE Cascade Ave
Stevenson, WA 98648



Driving Directions

DIRECTIONS TO STAGING AREA/BOAT LAUNCH at Cascade Boat Launch (SABL-B-150.7R):

1. Head east on WA-14 (SE Lewis and Clark Hwy)
2. Bear right on SW 1st St
3. At the stop sign, turn right on SW Russell Ave
4. Turn left on SW Cascade Ave
5. Location is on the right

Stevenson Landing

B-150.5R

Position - Location: 45° 41.476', -121° 52.904' 45° 41' 28.5", -121° 52' 54.2" 45.69126, -121.88173 Stevenson

Strategy Objective: Exclusion : Keep oil away from park.

Implementation: Using workboat, deploy 900ft boom at anchor point A. Then extend boom to the southwest and secure end near anchor point D on the far side of the pier. Anchor points B & C may connect to the dolphins on either side of pier. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-150.7R Cascade Boat Launch (SW Cascade Ave, Stevenson, WA 98648).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Port of Skamania manages the park. Call the port before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Economic Resources, Resident Fish, Salmonids, Waterfowl



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
900 Feet	Boom - B2 (18" to 42")
2 Each	Bridle(s) - Piling (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Stevenson Landing

B-150.5R



B-150.5R Photo: From point near anchor point A, looking southwest towards the cruise ship pier. Photo was taken in April.

Site Contact

Port of Skamania

Land/Property Contact :
212 SW Cascade
Stevenson, WA 98468
509-427-5484

Nearest Address

SW Cascade Ave
Stevenson, WA 98648



Driving Directions

DIRECTIONS TO STAGING AREA/BOAT LAUNCH at Cascade Boat Launch (SABL-B-150.7R):

1. Head east on WA-14 (SE Lewis and Clark Hwy)
2. Bear right on SW 1st St
3. At the stop sign, turn right on SW Russell Ave
4. Turn left on SW Cascade Ave
5. Location is on the right

Cascade Boat Launch

B-150.7R

Position - Location: 45° 41.670', -121° 52.607' 45° 41' 40.2", -121° 52' 36.4" 45.69450, -121.87679 Stevenson

Strategy Objective: Collection : Collect oil moving downriver.

Implementation: Using workboat, deploy 900ft boom near dock at anchor point A. Then extend 700ft boom northwest and secure end near anchor point B. Place 200ft boom parallel to beach and set anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

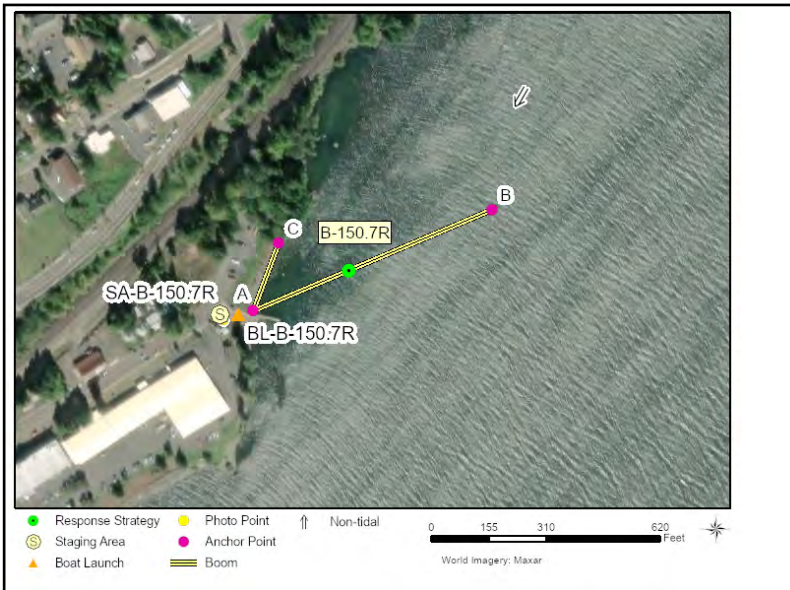
Staging Area: Onsite: Stage equipment onsite.

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Port of Skamania manages the boat launch. Call the port before deployment (509-427-5484). Minimize interference with boat operations.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Recreational Use Area, Resident Fish, Salmonids



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
900 Feet	Boom - B2 (18" to 42")
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Cascade Boat Launch

B-150.7R



B-150.7R Photo: Aerial view of the Stevenson Pier and Port of Skamania parking lot



Site Contact

Port of Skamania

Land/Property Contact :
212 SW Cascade
Stevenson, WA 98468
509-427-5484

Nearest Address

SW Cascade Ave
Stevenson, WA 98468

Driving Directions

1. Head east on WA-14 (SE Lewis and Clark Hwy)
2. Bear right on SW 1st St
3. At the stop sign, turn right on SW Russell Ave
4. Turn left on SW Cascade Ave
5. Location is on the right

Herman Creek

B-150.8L

Position - Location: 45° 40.993', -121° 51.769" 45° 40' 59.6", -121° 51' 46.2" 45.68321, -121.86282 Cascade Locks

Strategy Objective: Exclusion : Keep oil from passing between the Columbia River and Herman Creek, keep oil away from water intake.

Implementation: Deploy 300' of boom (BM-1) across the mouth of Herman Creek, anchor on the S side of the boat ramp to keep ramp open and provide access for a vac truck to reach the creek if the spill source is from the road/railroad to the south. Anchor an additional 400' of boom (BM-2) at the end of Herman Creek Lane and tow it to the NNW to anchor on the shoreline of the earthen jetty. Adjust angle of boom, quantity and placement of anchors, depending on conditions of the day. Shallow water with submerged grasses, bring waders.

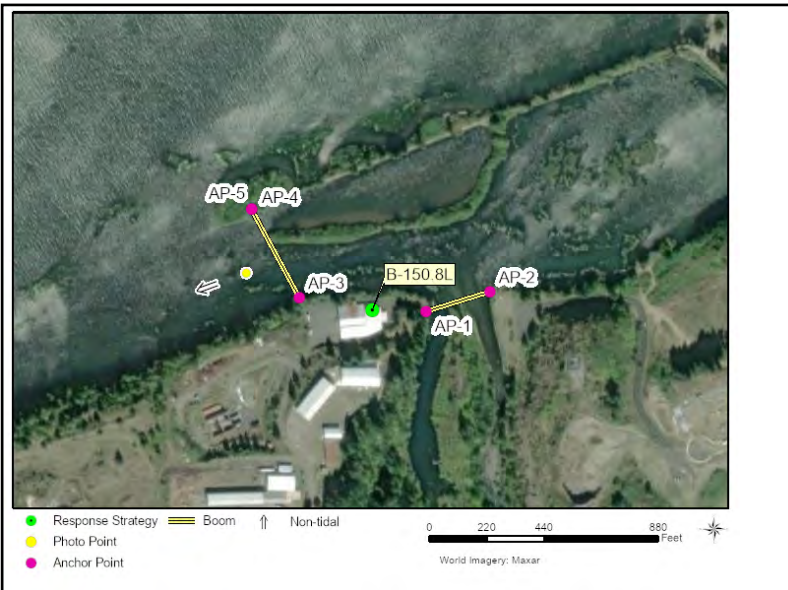
Staging Area: Onsite: Stage onsite, paved parking area, ramp & floating dock.

Site Safety: Water hazard, slips, trips, falls, gill nets in the water.

Field Notes: Launch onsite, will need a shallow draft vessel. Bring bolt cutters as sign says gate opens at 7:00am closes at 4:30pm.

Watercourse: River - Above a Dam - Bonneville pool

Resources at Risk: Riparian Habitat, Salmonids, Waterfowl



Recommended Equipment

2	Each	Anchor - Danforth (or other appropriate type)
5	Each	Anchoring System(s)- Shoreside
700	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Vac Truck or Skimmer and Storage
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor



B-150.8L Photo: view of the inlet near the mouth of Herman Creek

Site Contact

City of Cascade Locks-Public Works

Municipality (County/City) : Public Works Foreman
541-386-2711

USACE Bonneville pool

Primary Contact : Natural Resources Manager
541-374-8344

Nearest Address

90 Herman Creek Lane
Cascade Locks, OR 97014



Driving Directions

1. Directions to B-1508L, starting at NE Warrendale Rd, Cascade Locks, OR 97014
2. Go west on NE Warrendale Rd (0.1 miles)
3. Turn left (0.05 miles)
4. Turn left on Historic Columbia River Hwy (NE Frontage Rd) (0.33 miles)
5. Take ramp and go on I-84 E (5.93 miles)
6. At exit 44 take ramp on the right to US-30 toward Cascade Locks/Stevenson (0.32 miles)
7. Turn left (0.02 miles)
8. Make sharp right on US-30 (Wa-Na-Pa St) (0.11 miles)
9. At fork keep left on US-30 (Wa-Na-Pa St) (1.17 miles)
10. Turn left on NE Hammond Ave (0.15 miles)
11. Turn right on NW Forest Ln (0.53 miles)
12. Turn left on Gravel Pit Rd (0.58 miles)
13. Bear right on NE Herman Creek Ln ()
14. Turn left to finish at 90 Herman Creek Lane, 97014, the ramp is behind the building on the right.

Riverbank West of Nelson Creek

B-151.5R

Position - Location: 45° 41.930', -121° 51.830' 45° 41' 55.8", -121° 51' 49.8" 45.69883, -121.86383 Stevenson

Strategy Objective: Deflection : Keep oil away from right bank of river.

Implementation: Using workboat, deploy 600ft boom at anchor point A on right bank. Secure remainder in river channel at anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-150.7R Cascade Boat Launch (SW Cascade Ave, Stevenson, WA 98648).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Call Skamania County before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Resident Fish, Salmonids, Sensitive Resources Nearby, Waterfowl



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
600 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Riverbank West of Nelson Creek

B-151.5R



B-151.5R Photo: From above the river, looking northwest towards the right riverbank. Stevenson Cemetery is on the left. Photo was taken in May 2017.



Site Contact

Skamania County

Municipality (County/City) : Emergency Management
200 Vancouver Ave
Stevenson, WA 98648
509-427-8329

Nearest Address

10 NE Cascade Ave
Stevenson, WA 98648

Driving Directions

DIRECTIONS TO STAGING AREA/BOAT LAUNCH at Cascade Boat Launch (SABL-B-150.7R):

1. Head east on WA-14 (SE Lewis and Clark Hwy)
2. Bear right on SW 1st St
3. At the stop sign, turn right on SW Russell Ave
4. Turn left on SW Cascade Ave
5. Location is on the right

Government Cove

B-151.8L

Position - Location: 45° 41.452', -121° 50.972' 45° 41' 27.1", -121° 50' 58.3" 45.69086, -121.84954 Stevenson

Strategy Objective: Deflection : Keep oil from crossing between the Columbia River and Government Cove

Implementation: Deploy 1000' of boom across from the tip of the E jetty and tow out to the WSW to anchor off shore. Adjust angle of boom, quantity and placement of anchors, based on conditions of the day.

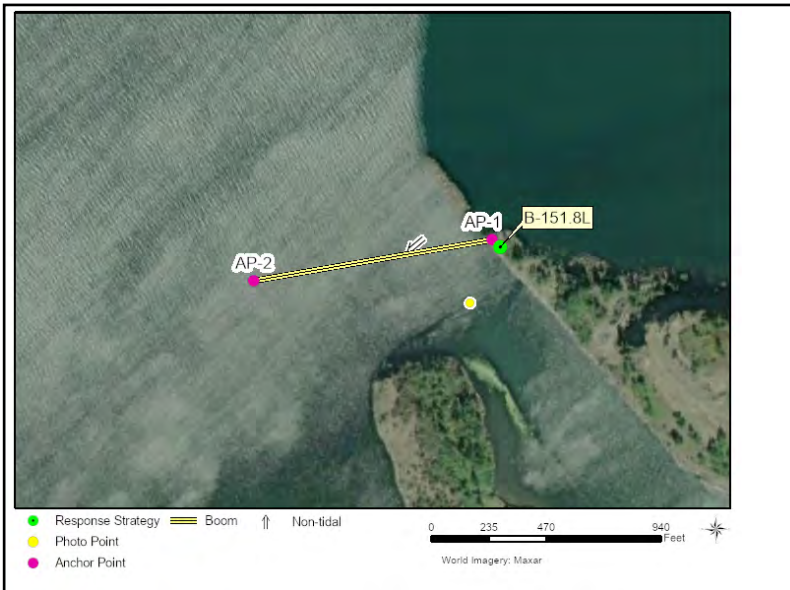
Staging Area: Remote: Stage at SA-B-150.7R/Stevenson Cascade Boat Launch (only 1.3 miles from site across the river)

Site Safety: Water hazard, rocky shoreline, slips, trips & falls

Field Notes: Launch from BL-B-150.7R/Stevenson Cascade boat launch. Rocky shoreline at the site

Watercourse: River - Above a Dam - Bonneville pool

Resources at Risk: Salmonids, Waterfowl



Recommended Equipment

5 Each	Anchor - Danforth (or other appropriate type)
1 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
4	Laborer
1	Supervisor



B-151.8L Photo: Entrance to Government Cove

Site Contact

USACE Bonneville pool

Primary Contact : Natural Resources Manager
541-374-8344

Port of Skamania

Land/Property Contact :
509-427-5484

Nearest Address

10 NE Cascade Ave
Stevenson, WA 98648



Driving Directions

1. Directions to SA-B-150.7R/Stevenson Cascades boat launch, starting at NE Warrendale Rd, Cascade Locks, OR 97014
2. Go west on NE Warrendale Rd (0.1 miles)
3. Turn left (0.05 miles)
4. Turn left on Historic Columbia River Hwy (NE Frontage Rd) (0.33 miles)
5. Take ramp and go on I-84 E (5.93 miles)
6. At exit 44 take ramp on the right to US-30 toward Cascade Locks/Stevenson (0.32 miles)
7. Turn left (0.02 miles)
8. Make sharp right on US-30 (Wa-Na-Pa St) (0.11 miles)
9. At fork keep left on US-30 (Wa-Na-Pa St) (0.04 miles)
10. Turn right (0.02 miles)
11. Bear left on Bridge Of The Gods (0.62 miles)
12. Turn right on WA-14 (Evergreen Hwy) (2.43 miles)
13. Continue on 1st St (0.07 miles)
14. Bear right (0.13 miles)
15. Continue on Railroad St (0.1 miles)
16. Turn right on Russell Ave (0.03 miles)

Wind River Mouth

B-154.6R

Position - Location: 45° 42.926', -121° 47.516' 45° 42' 55.6", -121° 47' 31.0" 45.71544, -121.79194 Stevenson

Strategy Objective: Deflection : Keep oil out of Wind River.

Implementation: Using workboat, deploy 300ft boom at anchor point A. Then extend boom to the west and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-WIND-0.2L Wind River Boat Launch (Old Hatchery Rd, Stevenson, WA 98648).

Site Safety: Rail Traffic; Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Keep river mouth open so that responders can continue to use the staging area/boat launch. BNSF train tracks run right along the riverbank. Call Skamania County before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Backwater Habitat, Resident Fish, Salmonids, Waterfowl



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
1	Each	Anchoring System(s)- Shoreside
300	Feet	Boom - B2 (18" to 42")
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Wind River Mouth

B-154.6R



B-154.6R Photo: From west end of rail bridge, looking southeast towards anchor point A. Photo was taken in April.

Site Contact

Skamania County

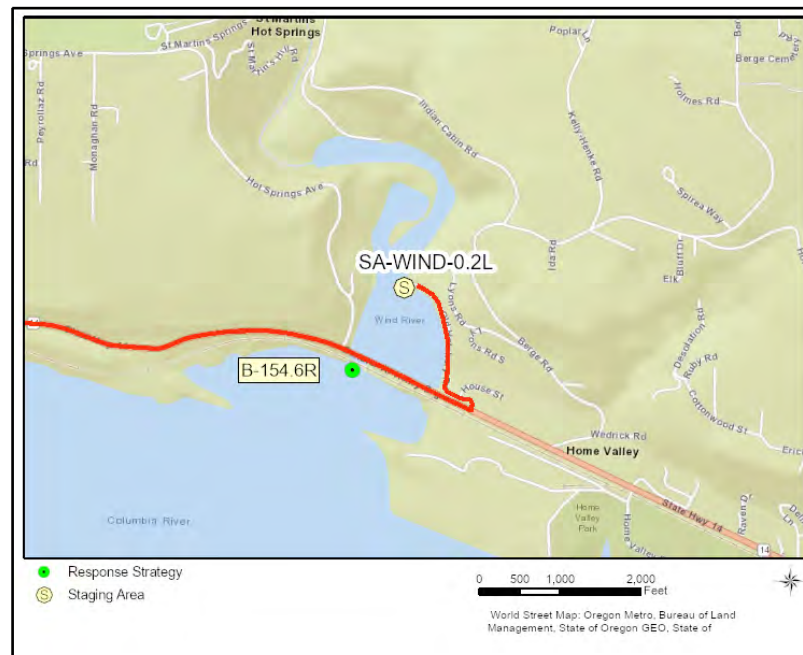
Municipality (County/City) : Emergency Management
509-427-8329

BNSF Railway

Land/Property Owner : Service Interruption Desk
817-352-2832

Nearest Address

Old Hatchery Road
Stevenson, WA 98648



Driving Directions

DIRECTIONS TO STAGING AREA/BOAT LAUNCH At Wind River Boat Launch (SABL-WIND-0.2L):

1. Head east on WA-14
2. Turn left on Old Hatchery Rd after MP 49
3. Location is at the end of the road

WKO Lumber (High Cascade Veneer)

B-154.7R

Position - Location: 45° 42.596', -121° 47.357' 45° 42' 35.7", -121° 47' 21.4" 45.70993, -121.78928 Stevenson

Strategy Objective: Deflection : Keep oil away from mouth of Wind River.

Implementation: Using workboat, deploy 700ft boom at anchor point A. Then extend boom to the west and secure end at southern end of island near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-WIND-0.2L Wind River Boat Launch (Old Hatchery Rd, Stevenson, WA 98648).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: WKO owns the High Cascade Veneer property. Call the company before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Resident Fish, Salmonids, Waterfowl



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
700 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

WKO Lumber (High Cascade Veneer)

B-154.7R



B-154.7R Photo: From riverbank near anchor point A, looking west towards anchor point B. Photo was taken in May.

Site Contact

WKO Lumber

Land/Property Owner : Environmental Manager
2022 Wind River Hwy
Carson, WA 98610
509-774-8282

Nearest Address

Old Hatchery Road
Stevenson, WA 98648



Driving Directions

DIRECTIONS TO STAGING AREA/BOAT LAUNCH At Wind River Boat Launch (SABL-WIND-0.2L):

1. Head east on WA-14
2. Turn left on Old Hatchery Rd after MP 49
3. Location is at the end of the road

Home Valley Park (Sail Board Beach)

B-155.4R

Position - Location: 45° 42.470', -121° 46.799' 45° 42' 28.2", -121° 46' 48.0" 45.70783, -121.77999 Stevenson

Strategy Objective: Exclusion : Keep oil away from park.

Implementation: Using workboat, deploy 400ft boom at anchor point A. Then extend boom to the west and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-WIND-0.2L Wind River Boat Launch (Old Hatchery Rd, Stevenson, WA 98648).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Skamania County manages the park. Call the county before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: County Park, Resident Fish, Salmonids, Sensitive Resources, Waterfowl



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Home Valley Park (Sail Board Beach)

B-155.4R



B-155.4R Photo: From point near anchor point A, looking west towards anchor point B. Photo was taken in April.

Site Contact

Skamania County

Land/Property Contact : Emergency Management
200 Vancouver Ave
Stevenson, WA 98648
509-427-8329

Nearest Address

Old Hatchery Rd
Stevenson, WA 98648



Driving Directions

DIRECTIONS TO STAGING AREA/BOAT LAUNCH At Wind River Boat Launch (SABL-WIND-0.2L):

1. Head east on WA-14
4. Turn left on Old Hatchery Rd after MP 49
5. Location is at the end of the road

Home Valley Park (Swim Beach)

B-155.5R

Position - Location: 45° 42.472', -121° 46.687' 45° 42' 28.3", -121° 46' 41.2" 45.70786, -121.77811 Stevenson

Strategy Objective: Deflection : Keep oil away from park.

Implementation: Using workboat, deploy 600ft boom at anchor point A. Then extend boom to the southwest and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-WIND-0.2L Wind River Boat Launch (Old Hatchery Rd, Stevenson, WA 98648).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Skamania County manages the park. Call the county before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: County Park, Resident Fish, Salmonids, Waterfowl



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
600 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
3 Laborer
1 Supervisor

Home Valley Park (Swim Beach)

B-155.5R



B-155.5R Photo: From point, looking northeast towards anchor point A. Photo was taken in April.

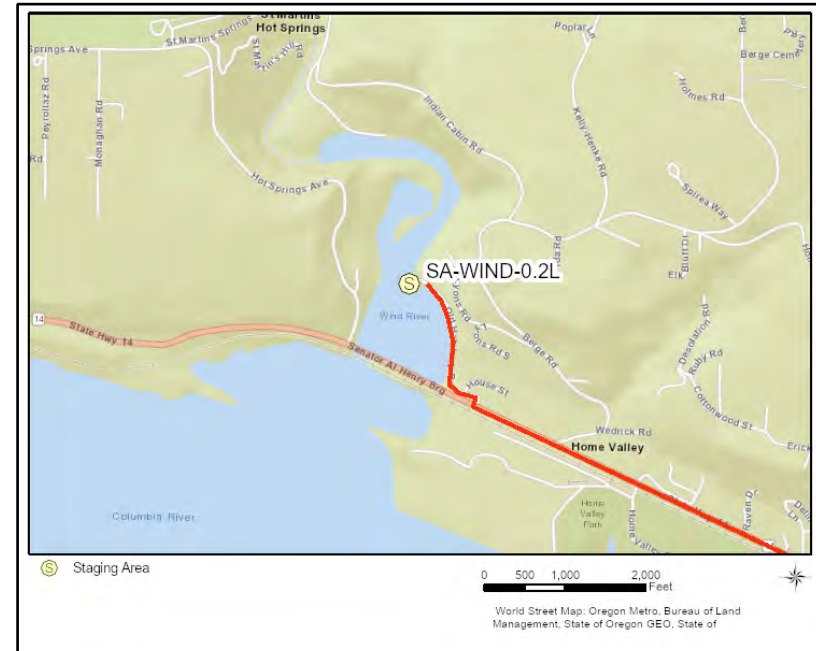
Site Contact

Skamania County

Land/Property Contact : Emergency Management
200 Vancouver Ave
Stevenson, WA 98648
509-427-8329

Nearest Address

Old Hatchery Rd
Stevenson, WA 98648



Driving Directions

DIRECTIONS TO STAGING AREA/BOAT LAUNCH At Wind River Boat Launch (SABL-WIND-0.2L):

1. Head east on WA-14
4. Turn left on Old Hatchery Rd after MP 49
5. Location is at the end of the road

Gorton Creek Area

B-155.6L

Position - Location: 45° 41.584', -121° 46.775' 45° 41' 35.0", -121° 46' 46.5" 45.69306, -121.77959 Cascade Locks

Strategy Objective: Exclusion : Keep oil out of impounded bay in Wyeth State Recreation Area

Implementation: Anchor 200 of boom in a chevron formation on either side of the railroad bridge at inlet to impounded area.

Staging Area: Remote: Stage at Old Hatchery Road Boat Launch (SA-WIND-0.2L)

Site Safety: Slips, Trips, Falls, Water Hazard, & Active Railroad, expect trains on the track at any time/from either direction. Do not allow

Field Notes: Use Old Hatchery Road Boat Launch (BL-WIND-0.2L)

Watercourse: River - Above a Dam - Bonneville pool

Resources at Risk: Salmonids, Waterfowl



Recommended Equipment

1	Each	Anchor - Danforth (or other appropriate type)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor



B-155.6L Photo: View of the railroad bridge crossing by Gorton Creek

Site Contact

Union Pacific Railroad

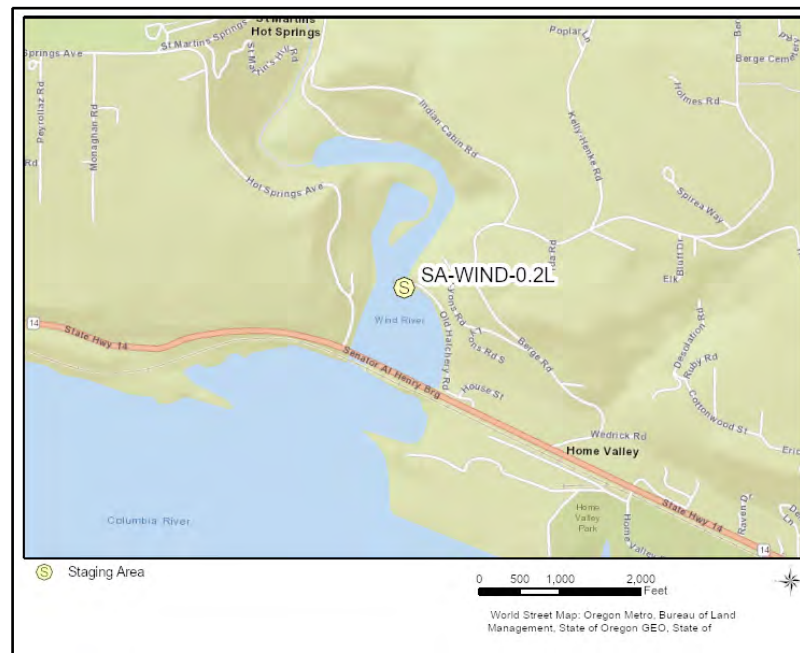
Land/Property Contact :
888-877-7267

USACE Bonneville pool

Secondary Contact : Natural Resources Manager
541-374-8344

Nearest Address

Old Hatchery Road
Stevenson, WA 98648



Driving Directions

1. Directions to SA-B-155.7L/Wyeth In-Lieu Site, starting at NE Warrendale Rd, Cascade Locks, OR 97014
2. Go west on NE Warrendale Rd (0.1 miles)
3. Turn left (0.05 miles)
4. Turn left on Historic Columbia River Hwy (NE Frontage Rd) (0.33 miles)
5. Take ramp and go on I-84 E (13.13 miles)
6. At exit 51 take ramp toward Wyeth (0.23 miles)
7. Turn left on Wyeth Rd (0.2 miles)
8. Cross the railroad track and go left (0.2 miles)
9. Boat launch will be on your right.

Home Valley Park (Campground)

B-156.0R

Position - Location: 45° 42.436', -121° 46.131' 45° 42' 26.2", -121° 46' 7.9" 45.70727, -121.76885 Stevenson

Strategy Objective: Deflection : Keep oil away from park.

Implementation: Using workboat, deploy 700ft boom at anchor point A. Then extend boom to the southwest and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-WIND-0.2L Wind River Boat Launch (Old Hatchery Rd, Stevenson, WA 98648).

Site Safety: Rail Traffic; Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: BNSF train tracks run right along the riverbank. Skamania County manages the park to the west. Call the county before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: County Park, Resident Fish, Salmonids, Waterfowl



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
700 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
3 Laborer
1 Supervisor

Home Valley Park (Campground)

B-156.0R



B-156.0R Photo: From boat, looking north towards east end of park. Photo was taken in August.

Site Contact

Skamania County

Land/Property Contact : Emergency Management
509-427-8329

BNSF Railway

Emergency Contact : Service Interruption Desk
817-352-2832

Nearest Address

Old Hatchery Road
Stevenson, WA 98648



Driving Directions

DIRECTIONS TO STAGING AREA/BOAT LAUNCH At Wind River Boat Launch (SABL-WIND-0.2L):

1. Head east on WA-14
2. Turn left on Old Hatchery Rd after MP 49
3. Location is at the end of the road

Collins Point

B-157.5R

Position - Location: 45° 41.794', -121° 44.317' 45° 41' 47.7", -121° 44' 19.0" 45.69657, -121.73861 Stevenson

Strategy Objective: Deflection : Keep oil away from riverbank to the west.

Implementation: Using workboat, deploy 700ft boom at anchor point A. Then extend boom to the southwest and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

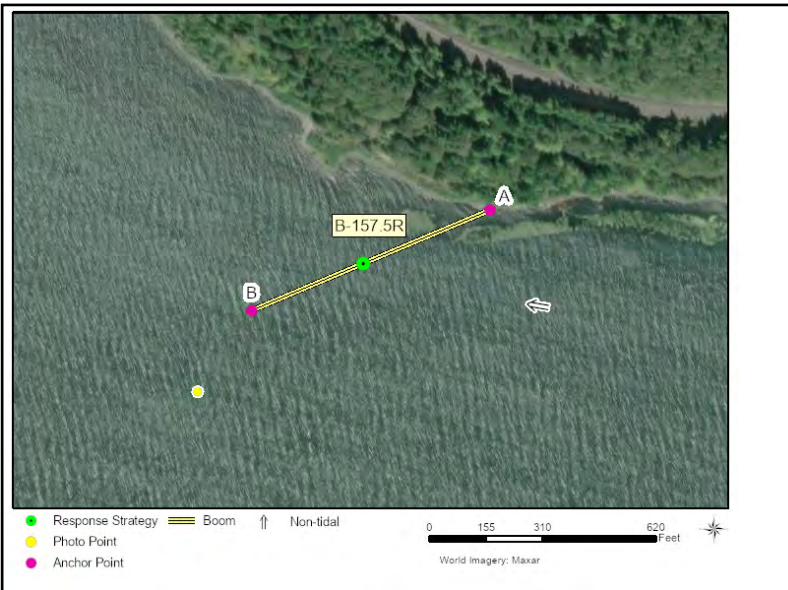
Staging Area: Remote: Stage equipment at SA-WIND-0.2L Wind River Boat Launch (Old Hatchery Rd, Stevenson, WA 98648).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: There is a green aid to navigation (#23) near the location. Call Skamania County before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Resident Fish, Salmonids, Waterfowl



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
700 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Collins Point

B-157.5R



B-157.5R Photo: From river, looking northeast towards the point with ATON in the center. Photo was taken in August.

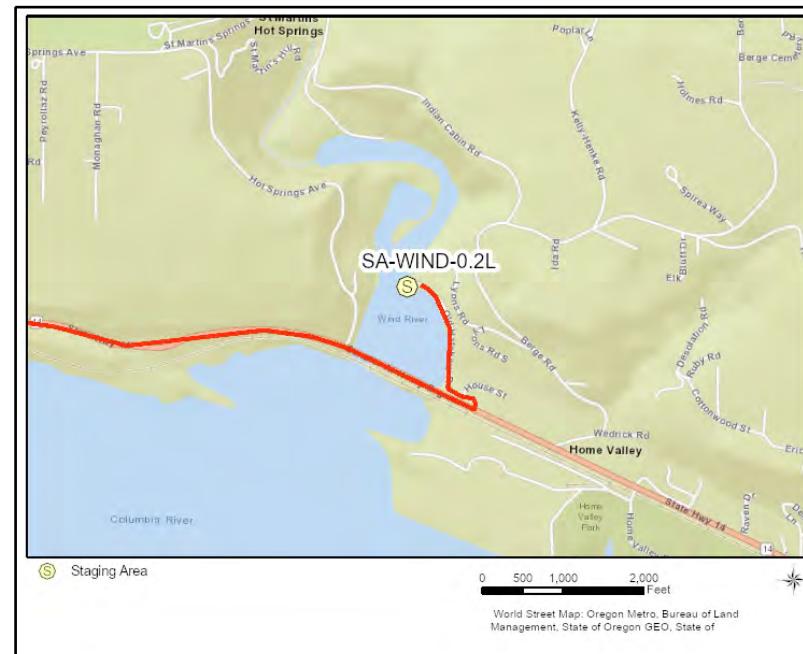
Site Contact

Skamania County

Municipality (County/City) : Emergency Management
200 Vancouver Ave
Stevenson, WA 98648
509-427-8329

Nearest Address

Old Hatchery Road
Stevenson, WA 98648



Driving Directions

DIRECTIONS TO STAGING AREA/BOAT LAUNCH At Wind River Boat Launch (SABL-WIND-0.2L):

1. Head east on WA-14
2. Turn left on Old Hatchery Rd after MP 49
3. Location is at the end of the road

Grant Lake

B-158.3R

Position - Location: 45° 41.938', -121° 43.268' 45° 41' 56.3", -121° 43' 16.1" 45.69897, -121.72114 Bingen

Strategy Objective: Exclusion : Keep oil out of lake.

Implementation: Using workboat, deploy 200ft boom at anchor point A. Then extend boom to the west and secure end near anchor point C. Near boom midpoint, use workboat to pull boom south, creating a chevron, and anchor near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

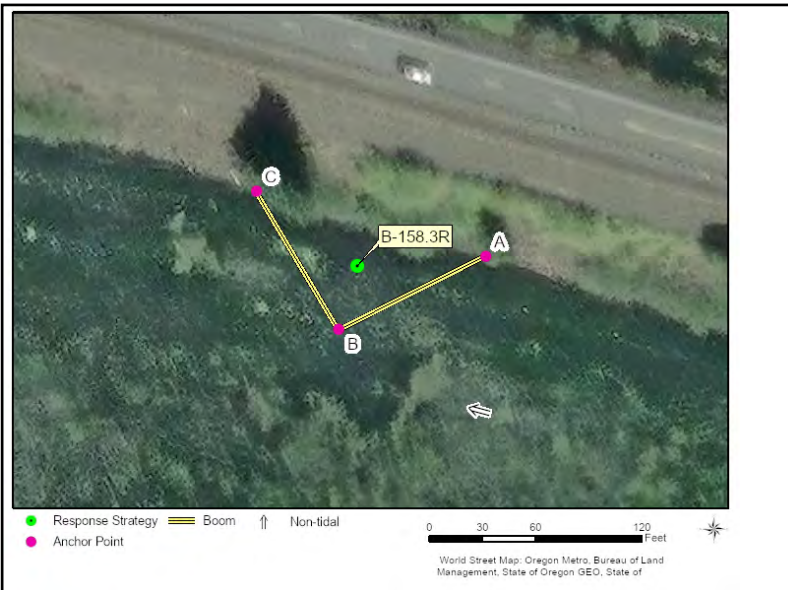
Staging Area: Remote: Stage equipment at SA-B-162.4R Drano Lake Boat Launch (57370 WA-14, Bingen, WA 98605).

Site Safety: Rail Traffic; Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: The BNSF culvert leading to the lake is located in the center of the track/road berm. Call Skamania County before deployment. Also, notify BNSF given proximity of tracks to riverbank.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Backwater Habitat, Resident Fish, Salmonids, Waterfowl



Recommended Equipment

1 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
200 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Grant Lake

B-158.3R



B-158.3R Photo: From river, looking north toward the location of the culvert (may not be visible at the surface). Photo was taken in August.

Site Contact

Skamania County

Municipality (County/City) : Emergency Management
509-427-8329

BNSF Railway

Land/Property Owner : Service Interruption Desk
817-352-2832

Nearest Address

57370 WA-14
Bingen, WA 98605



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Drano Lake Boat Launch (SABL-B-162.4R):

1. Head east on WA-14
2. Location is on the left after mile post 57

Viento Creek

B-160.5L

Position - Location: 45° 41.788', -121° 40.511' 45° 41' 47.3", -121° 40' 30.6" 45.69647, -121.67518 Cook

Strategy Objective: Exclusion : Keep oil out of impounded lake by Viento Creek

Implementation: Anchor 100' of boom in a chevron formation on either side of the culvert at Viento Creek. Adjust angle of boom, quantity and placement of anchors, based on conditions of the day. Very shallow water, with underwater stumps, skiff access only. Bring waders.

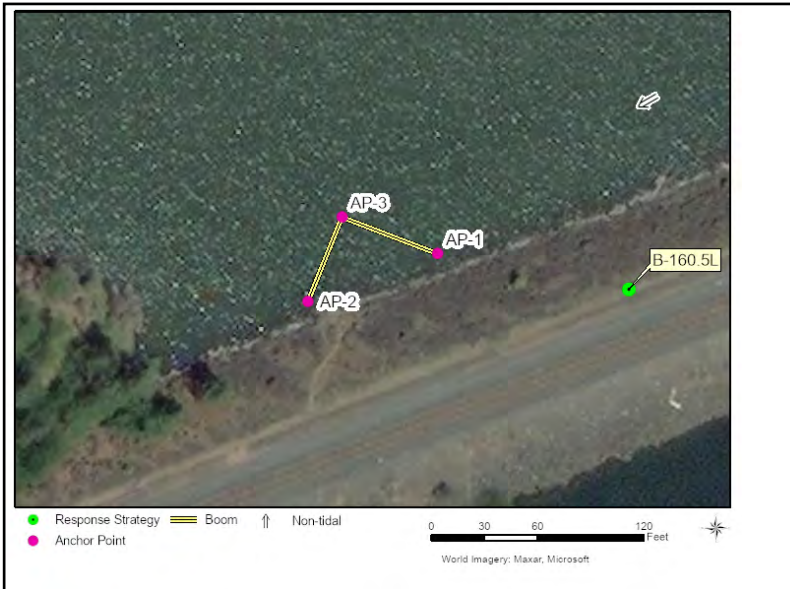
Staging Area: Remote: Stage at SA-162.4R (Drano Lake Boat Launch)

Site Safety: Shallow/Stumps, Slips, Trips, Falls, Water Hazard, & Active Railroad, expect trains on the track at any time/from either direction. Do not

Field Notes: Launch at BL-B-162.4R (Drano Lake Boat Launch)

Watercourse: River - Above a Dam - Bonneville pool

Resources at Risk: Estuary Resources, Recreational Use Area, Salmonids, State Park, Waterfowl



Recommended Equipment

1	Each	Anchor - Danforth (or other appropriate type)
2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor



B-160.5L Photo: View of the shoreline & culvert at the impounded lake by Viento Creek

Site Contact

OR State Parks

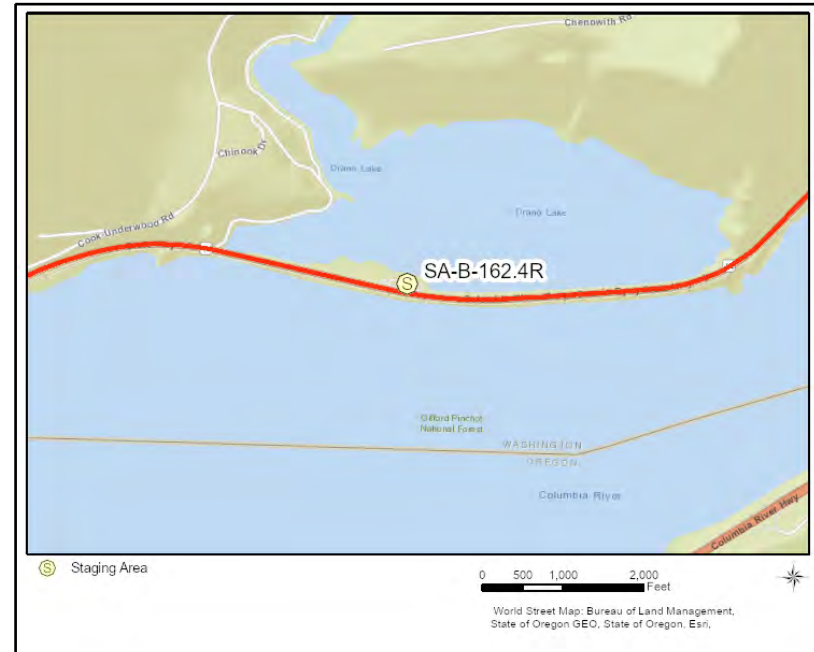
Land/Property Contact : Viento State Park
541-374-8811

Union Pacific Railroad

Land/Property Contact :
888-877-7267

Nearest Address

57370 WA-14
Bingen, WA 98605



Driving Directions

1. Directions to SA-161.4R/Cook's Inlet, starting from the Hood River (toll) Bridge, White Salmon, WA 98672
2. Go northeast on Hood River Brg toward WA-14 (0.22 miles)
3. Turn left on WA-14 (Highway 14) (8.75 miles)
4. Turn left on Cook's Landing Avenue (0.1 miles)
5. Finish at Cook's Inlet In-Lieu Tribal Fishing Site

Cook Landing

B-161.6R

Position - Location: 45° 42.557', -121° 39.512' 45° 42' 33.4", -121° 39' 30.7" 45.70928, -121.65853 Bingen

Strategy Objective: Exclusion : Keep oil away from treaty fishing site.

Implementation: Using workboat, deploy 700ft boom at anchor point A. Then extend boom to the southwest and secure end near anchor point B towards the end of the riprap breakwater. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-162.4R Drano Lake Boat Launch (57370 WA-14, Bingen, WA 98605).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: This location is a CRITFC Treaty Fishing Access Site; notify them before deployment.

Watercourse: River - Above a Dam - Bonneville Pool/Lake Bonneville

Resources at Risk: Raptors, Resident Fish, Salmonids, Tribal Lands/Resources



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
700 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Cook Landing

B-161.6R



B-161.6R Photo: From inside the fishing site, looking northeast towards the boat entrance/exit. Photo was taken in November.

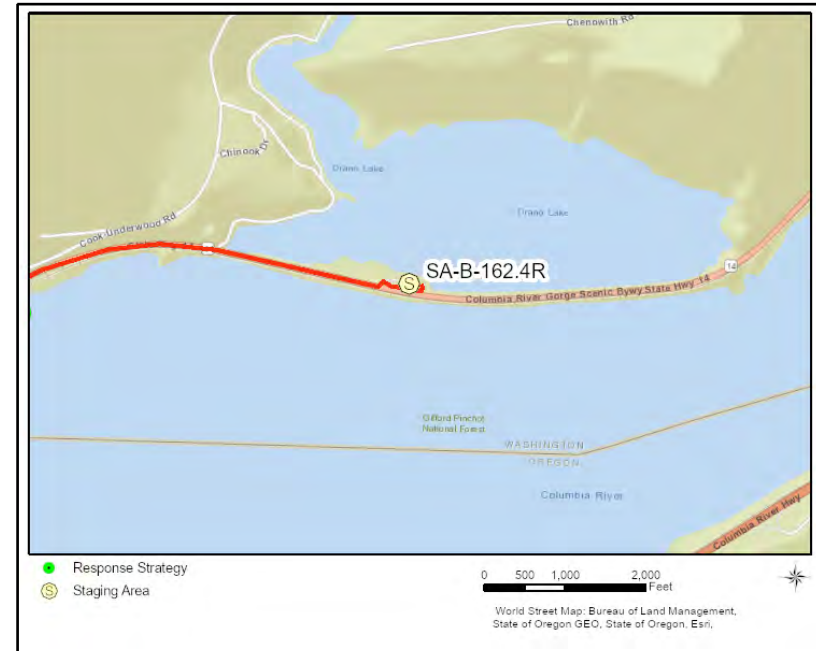
Site Contact

Columbia River Inter-Tribal Fish Commission
Tribal Contact : Fisheries Enforcement

Hood River, OR 97031
541-386-6363

Nearest Address

57370 WA-14
Bingen, WA 98605



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Drano Lake Boat Launch (SABL-B-162.4R):

1. Head east on WA-14
2. Location is on the left after mile post 57

Drano Lake

B-162.0R

Position - Location: 45° 42.659', -121° 38.916' 45° 42' 39.5", -121° 38' 55.0" 45.71098, -121.64860 Bingen

Strategy Objective: Deflection : Keep oil out of lake.

Implementation: Using workboat, deploy 400ft boom at anchor point A. Then extend boom west and secure end near anchor point B. Ensure that boom does not block entrance to lake and prevent response vessels from using staging area/boat launch. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-162.4R Drano Lake Boat Launch (57370 WA-14, Bingen, WA 98605).

Site Safety: Rail Traffic; Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Call Skamania County before deployment (509-427-8329). Also, notify BNSF given proximity of tracks to riverbank.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Backwater Habitat, Fish Hatchery, Resident Fish, Salmonids, Waterfowl



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Drano Lake

B-162.0R



B-162.0R Photo: From river, looking northwest towards rail/road bridge over lake entrance. Photo was taken in August.

Site Contact

BNSF Railway

Land/Property Owner : Service Interruption Desk
817-352-2832

Skamania County

Municipality (County/City) : Emergency Management
509-427-8329

Nearest Address

57370 WA-14
Bingen, WA 98605



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Drano Lake Boat Launch (SABL-B-162.4R):

1. Head east on WA-14
2. Location is on the left after mile post 57

Tunnel Lake

B-163.8R

Position - Location: 45° 43.036', -121° 36.740' 45° 43' 2.1", -121° 36' 44.4" 45.71726, -121.61233 Bingen

Strategy Objective: Exclusion : Keep oil out of lake.

Implementation: Using workboat, deploy 200ft boom at anchor point A. Then extend boom to the west and secure end near anchor point C. Near boom midpoint, use workboat to pull boom south, creating a chevron, and anchor near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-162.4R Drano Lake Boat Launch (57370 WA-14, Bingen, WA 98605).

Site Safety: Rail Traffic; Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: The BNSF culvert leading to the lake is located at the eastern end of the tracks/road near the tunnels. Call Skamania County before deployment. Also, notify BNSF given proximity of tracks to riverbank.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Raptors, Resident Fish, Salmonids, Waterfowl



Recommended Equipment

1 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
200 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Tunnel Lake

B-163.8R



B-163.8R Photo: From river, looking north toward the location of the culvert (may not be visible at the surface). Photo was taken in August.

Site Contact

BNSF Railway

Land/Property Owner : Service Interruption Desk
817-352-2832

Skamania County

Municipality (County/City) : Emergency Management
509-427-8329

Nearest Address

57370 WA-14
Bingen, WA 98605



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Drano Lake Boat Launch (SABL-B-162.4R):

1. Head east on WA-14
2. Location is on the left after mile post 57

Spring Creek Hatchery State Park

B-167.0R

Position - Location: 45° 43.406', -121° 33.314' 45° 43' 24.4", -121° 33' 18.9" 45.72344, -121.55524 Hood River

Strategy Objective: Deflection : Keep oil away from state park.

Implementation: Using workboat, deploy 600ft boom at anchor point A. Then extend boom southwest and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-169.8L Port of Hood River Marina (1000 E Port Marina Dr, Hood River, OR 97031).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Call State Parks before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Resident Fish, Salmonids, State Park, Waterfowl



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
600 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
3 Laborer
1 Supervisor

Spring Creek Hatchery State Park

B-167.0R



B-167.0R Photo: From state park property, looking northeast/upriver towards anchor point A with hatchery in the background. Photo was taken in April.

Site Contact

Washington State Parks and Recreation Commission
Land/Property Contact : Doug's Beach State Park

Dallesport, WA 98617
509-773-3145

Nearest Address

1000 E Port Marina Dr
Hood River, OR 97031



Driving Directions

- TO STAGING AREA/BOAT LAUNCH at Port of Hood River Marina (SABL-B-169.8L):
1. Head east on I-84 / US-30
 6. Take exit 64 on the right to OR-35 toward White Salmon Govt. Camp / Mt. Hood Hwy.
 7. At the traffic light, turn left on Hood River Brg (US-30)
 8. Turn left on E Port Marina Dr
 9. Location straight ahead

Wells Island

B-167.4L

Position - Location: 45° 43.092', -121° 32.330' 45° 43' 5.5", -121° 32' 19.8" 45.71820, -121.53884 Hood River

Strategy Objective: Deflection : keep oil away from shoreline SW of Wells Island

Implementation: Anchor 1000' of boom to the W tip of Wells Island and tow downstream to the W to anchor offshore. Adjust angle of boom, quantity and placement of anchors, depending on conditions of the day. Bring waders for shore access.

Staging Area: Remote: Stage at SA-B-169.85L/Port of Hood River

Site Safety: Water hazards, large woody debris in water, slips, trips & falls

Field Notes: Launch at BL-B-169.85L/Port of Hood River

Watercourse: River - Above a Dam - Bonneville pool

Resources at Risk: Marine Birds, Raptors, Salmonids, Shorebirds, Waterfowl, Waterfowl



Recommended Equipment

5 Each	Anchor - Danforth (or other appropriate type)
2 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
4	Laborer
1	Supervisor

Wells Island

B-167.4L



B-167.4L Photo: View of Wells Island from ~1000' downstream



Site Contact

USACE Bonneville pool

Land/Property Contact : Natural Resources Manager
541-374-8344

Port of Hood River Marina

Secondary Contact :
541-387-5544

Nearest Address

1000 E Port Marina Drive
Hood River, OR 97031

Driving Directions

1. Directions to SA-B-169.85L/Port of Hood River, starting at 64128 State Road 14 White Salmon
2. Go east on WA-14 (Highway 14) toward SE Dock Grade Rd
3. Turn right on Hood River Brg
4. Turn right on E Port Marina Dr
5. Turn left to stay on E Port Marina Dr
6. Finish at 1000 E Port Marina Drive, 97031, on the left

USFWS Spring Creek National Fish Hatchery

B-167.4R

Position - Location: 45° 43.640', -121° 32.667' 45° 43' 38.4", -121° 32' 40.0" 45.72733, -121.54445 Hood River

Strategy Objective: Exclusion : Keep oil out of hatchery's fish ladder.

Implementation: Using workboat, deploy 600ft boom to east of fish ladder at anchor point A. Then extend boom west and secure end near anchor point C. Near boom midpoint, use workboat to pull boom south, creating a chevron, and anchor near anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-169.8L Port of Hood River Marina (1000 E Port Marina Dr, Hood River, OR 97031).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: The US Fish & Wildlife Service manages the hatchery and is a notification strategy. Call USFWS before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Fish Hatchery



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
600 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
3 Laborer
1 Supervisor



B-167.4R Photo: From top of fish ladder, looking east/upriver towards anchor point A. Photo was taken in April.

Site Contact

USFWS Spring Creek National Fish Hatchery

Primary Contact : Hatchery Manager

61552 State Rd 14

Underwood, WA 98651

509-493-1730

Nearest Address

1000 E Port Marina Dr
Hood River, OR 97031



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Port of Hood River Marina (SABL-B-169.8L):

1. Head east on I-84 / US-30
6. Take exit 64 on the right to OR-35 toward White Salmon Govt. Camp / Mt. Hood Hwy.
7. At the traffic light, turn left on Hood River Brg (US-30)
8. Turn left on E Port Marina Dr
9. Location straight ahead

The Hook to Wells Island

B-168.4L

Position - Location: 45° 42.932', -121° 31.623' 45° 42' 55.9", -121° 31' 37.4" 45.71554, -121.52705 Hood River

Strategy Objective: Exclusion : Keep oil off the shoreline S of The Hook and Wells Island

Implementation: Anchor 900' of boom to shore on the W side bottom of The Hook and tow it to the SW shore. Adjust angle of boom, quantity and placement of anchors, depending on conditions of the day. Bring waders for shore access.

Staging Area: Remote: Stage at SA-B-169.85L/Port of Hood River

Site Safety: Water hazard, shallow water, slips, trips & falls

Field Notes: Launch at BL-B-169.85L/Port of Hood River

Watercourse: River - Above a Dam - Bonneville pool

Resources at Risk: Raptors, Recreational Use Area, Salmonids, Waterfowl



Recommended Equipment

4 Each	Anchor - Danforth (or other appropriate type)
2 Each	Anchoring System(s)- Shoreside
900 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
4	Laborer
1	Supervisor

The Hook to Wells Island

B-168.4L



B-168.4L Photo: View of the location for an anchor point on The Hook

Site Contact

Port of Hood River Marina

Land/Property Contact :
541-387-5544

USACE Bonneville pool

Land/Property Contact : Natural Resources Manager
541-374-8344

Nearest Address

1000 E Port Marina Drive
Hood River, OR 97031



Driving Directions

1. Directions to SA-B-169.85L/Port of Hood River, starting at 64128 State Road 14 White Salmon
2. Go east on WA-14 (Highway 14) toward SE Dock Grade Rd
3. Turn right on Hood River Brg
4. Turn right on E Port Marina Dr
5. Turn left to stay on E Port Marina Dr
6. Finish at 1000 E Port Marina Drive, 97031, on the left

White Salmon River Mouth

B-168.5R

Position - Location: 45° 43.691', -121° 31.321' 45° 43' 41.4", -121° 31' 19.2" 45.72818, -121.52201 Hood River

Strategy Objective: Exclusion : Keep oil out of White Salmon River.

Implementation: Using workboat, deploy 400ft boom at anchor point A. Then extend boom northwest and secure end near anchor point C. Near boom midpoint, use workboat to pull boom southwest, creating a chevron, and anchor near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-169.8L Port of Hood River Marina (1000 E Port Marina Dr, Hood River, OR 97031).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: The Underwood In-Lieu Site is just inside the river on the right bank. Call CRITFC before deployment (541-386-6363). Train tracks belong to BNSF.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Backwater Habitat, Raptors, Resident Fish, Salmonids, Sensitive Resources, Waterfowl



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

White Salmon River Mouth

B-168.5R



B-168.5R Photo: From the Columbia River, looking north towards the White Salmon River. Photo was taken in May.

Site Contact

Columbia River Inter-Tribal Fish Commission
Tribal Contact : Fisheries Enforcement
541-386-6363

Nearest Address

1000 E Port Marina Drive
Hood River, OR 97031



Driving Directions

- TO STAGING AREA/BOAT LAUNCH at Port of Hood River Marina (SABL-B-169.8L):
1. Head east on I-84 / US-30
 2. Take exit 64 on the right to OR-35 toward White Salmon Govt. Camp / Mt. Hood Hwy.
 3. At the traffic light, turn left on Hood River Brg (US-30)
 4. Turn left on E Port Marina Dr
 5. Location straight ahead

Columbia & Hood River Confluence

B-169.6L

Position - Location: 45° 42.880', -121° 30.472' 45° 42' 52.8", -121° 30' 28.3" 45.71467, -121.50786 Hood River

Strategy Objective: Collection : Keep oil in/out of the Hood River (collection oil if from a spill source on the Hood River)

Implementation: Place boom across the mouth of the Hood River, anchor at The Spit tow boom to the NE to anchor at the N end of E Port Marina Drive at a spot accessible to a vac truck. Adjust angle of boom, quantity and placement of anchors, depending on conditions of the day. Shallow water, bring waders.

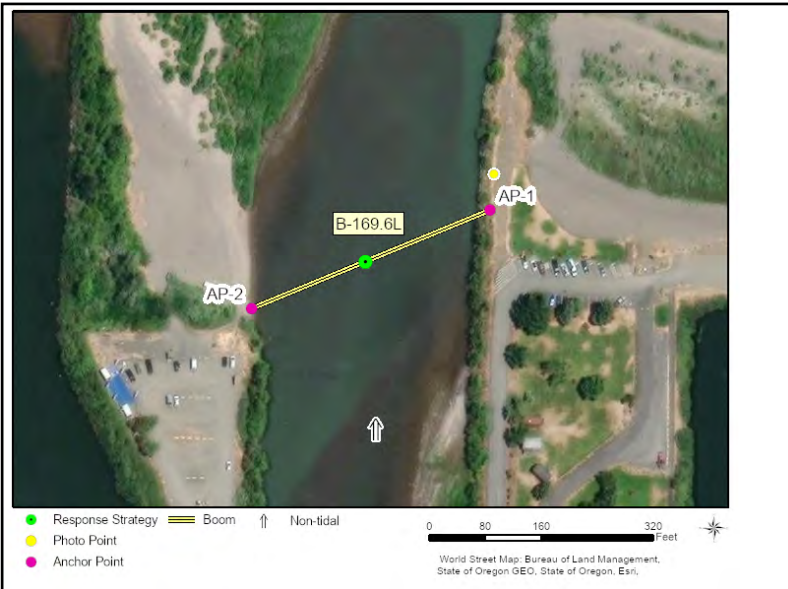
Staging Area: Onsite: Stage on site, or across the boat basin at SA-B-170L/Port of Hood River

Site Safety: Vehicle traffic, water hazard, rip rap, slips, trips & falls

Field Notes: Launch at BL-B-170L/Port of Hood River

Watercourse: River - Above a Dam - Bonneville pool

Resources at Risk: Marine Birds, Raptors, Recreational Use Area, Riparian Habitat, Salmonids, Shorebirds, Waterfowl



Recommended Equipment

2	Each	Anchor - Danforth (or other appropriate type)
2	Each	Anchoring System(s)- Shoreside
400	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Vac Truck or Skimmer and Storage
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Columbia & Hood River Confluence

B-169.6L



B-169.6L Photo: From right bank of Hood River, looking southwest towards opposite bank.

Site Contact

Port of Hood River Marina

Land/Property Contact :
541-387-5544

USACE Bonneville pool

Secondary Contact : Natural Resources Manager
541-374-8344

Nearest Address

E Port Marina Dr
Hood River, OR 97031



Driving Directions

Directions to B-169.6L & B-169.7L

1. Start at Hood River Bridge, White Salmon, WA 98672
2. Go southwest on Hood River Brg toward US-30/64 (0.8 miles)
3. Turn right on E Port Marina Dr (0.02 miles)
4. Turn left to stay on E Port Marina Dr (0.5 miles)
5. Stay to the right to go to the end of the peninsula, finish at E Port Marina Dr, 97031

Hood River Marina

B-169.7L

Position - Location: 45° 42.898', -121° 30.173' 45° 42' 53.9", -121° 30' 10.4" 45.71497, -121.50289 Hood River

Strategy Objective: Collection : Divert oil moving downstream to shore while keeping boat launch open

Implementation: Need 1000' of boom. Anchor 700'(BM-1) on the end of the spit of land by the bathrooms at 1000 E Port Marina Dr, tow the boom out to the NE and anchor off shore. Anchor 300' of boom(BM-2) on the E side of the opening to the boat basin, tow the end of the boom toward the NW at an angle to deflect oil toward the collection point. Keep the boat launch open. Bring waders to access shore. Adjust angle of booms, quantity and placement of anchors, depending on conditions of the day.

Staging Area: Onsite: Stage at SA-B-169.85L/Port of Hood River

Site Safety: Boat traffic, vehicle traffic, pedestrians, water hazard, rip rap, slips, trips, & falls

Field Notes: Launch at BL-B-169.85L/Port of Hood River

Watercourse: River - Above a Dam - Bonneville pool

Resources at Risk: Marina, Salmonids, Waterfowl



Recommended Equipment

6 Each	Anchor - Danforth (or other appropriate type)
2 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
4	Laborer
1	Supervisor

Hood River Marina

B-169.7L



B-169.7L Photo: From entrance to Marina Boat Basin, looking northwest towards collection point. Photo was taken in April.

Site Contact

Port of Hood River Marina

Land/Property Contact :

Hood River, OR 97031
541-387-5544

Nearest Address

1000 E Port Marina Drive
Hood River, OR 97031



Driving Directions

1. Directions to SA-B-169.85L/Port of Hood River, starting at 64128 State Road 14 White Salmon
2. Go east on WA-14 (Highway 14) toward SE Dock Grade Rd
3. Turn right on Hood River Brg
4. Turn right on E Port Marina Dr
5. Turn left to stay on E Port Marina Dr
6. Finish at 1000 E Port Marina Drive, 97031,

SDS Lumber Peninsula

B-170.7R

Position - Location: 45° 42.913', -121° 28.849' 45° 42' 54.8", -121° 28' 51.0" 45.71522, -121.48082 Hood River

Strategy Objective: Deflection : Keep oil away from the inlet to the east.

Implementation: Using workboat, deploy 800ft boom at western end of peninsula at anchor point A. Then extend boom northwest and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-169.8L Port of Hood River Marina (1000 E Port Marina Dr, Hood River, OR 97031).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: There is an exclusion strategy in the inlet to the east and a notification strategy for the overall property. Call SDS Lumber before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Economic Resources, Resident Fish, Salmonids, Waterfowl



Recommended Equipment

7 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
800 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
3 Laborer
1 Supervisor



B-170.7R Photo: From end of peninsula, looking northwest/downriver towards Hood River Bridge. Photo was taken in April.

Site Contact

SDS Lumber

Land/Property Owner : Safety & Environmental Manager
 Depot St
 Bingen, WA 98605
 541-490-3299

Nearest Address

1000 E Port Marina Dr
 Hood River, OR 97031



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Port of Hood River Marina (SABL-B-169.8L):

1. Head east on I-84 / US-30
6. Take exit 64 on the right to OR-35 toward White Salmon Govt. Camp / Mt. Hood Hwy.
7. At the traffic light, turn left on Hood River Brg (US-30)
8. Turn left on E Port Marina Dr
9. Location straight ahead

SDS Lumber Inlet

B-170.8R

Position - Location: 45° 42.901', -121° 28.646' 45° 42' 54.1", -121° 28' 38.7" 45.71502, -121.47743 Hood River

Strategy Objective: Exclusion : Keep oil out of inlet.

Implementation: Using workboat, deploy 600ft boom at western end of peninsula at anchor point A. Then extend boom northeast and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-169.8L Port of Hood River Marina (1000 E Port Marina Dr, Hood River, OR 97031).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: There is a deflection strategy to the west and a notification strategy for the overall property. SDS Lumber has their own boom and may deploy this very strategy upon notification. Call company before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Economic Resources, Resident Fish, Salmonids, Waterfowl



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
600 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor



B-170.8R Photo: From end of peninsula, looking northeast across mouth of inlet. Photo was taken in April.

Site Contact

SDS Lumber

Land/Property Owner : Safety & Environmental Manager
Depot St
Bingen, WA 98605
541-490-3299

Nearest Address

1000 E Port Marina Dr
Hood River, OR 97031



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Port of Hood River Marina (SABL-B-169.8L):

1. Head east on I-84 / US-30
6. Take exit 64 on the right to OR-35 toward White Salmon Govt. Camp / Mt. Hood Hwy.
7. At the traffic light, turn left on Hood River Brg (US-30)
8. Turn left on E Port Marina Dr
9. Location straight ahead

Bingen Lake Outlet

B-171.4R

Position - Location: 45° 42.499', -121° 28.049' 45° 42' 29.9", -121° 28' 2.9" 45.70831, -121.46748 Bingen

Strategy Objective: Exclusion : Keep oil out of natural area on right bank of river.

Implementation: Using workboat, deploy 700ft boom at end of Maple St at anchor point A. Then extend boom west and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-171.7R Marina Park (1051 E Marina Way, Bingen, WA 98605).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vehicle Traffic; Vessel Traffic; Water Hazard

Field Notes: There is a deflection strategy to the west and a notification strategy for the overall property. SDS Lumber has their own boom and may deploy this very strategy upon notification. Call company before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Resident Fish, Riparian Habitat, Salmonids, Waterfowl, Wetlands



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
700 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Bingen Lake Outlet

B-171.4R



B-171.4R Photo: From end of Maple St, looking west towards anchor point B. Photo was taken in April.

Site Contact

Port of Klickitat

Land/Property Contact :
509-493-1655

SDS Lumber

Land/Property Owner : Safety & Environmental Manager
541-490-3299

Nearest Address

1051 E Marina Way
Bingen, WA 98605



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Marina Park (SABL-B-171.7R):

1. Head east on WA-14
2. Turn right on Maple St
3. Turn left on E Marina Way
4. Location is on the right

Bingen Harbor

B-172.2R

Position - Location: 45° 42.254', -121° 27.224' 45° 42' 15.3", -121° 27' 13.5" 45.70424, -121.45374 Bingen

Strategy Objective: Deflection : Keep oil out of boat basin south of Marina Park.

Implementation: Using workboat, deploy 400ft boom at anchor point A. Then extend boom southeast and secure end near anchor point B. Ensure that boom does not block harbor and prevent response vessels from using Marina Park staging area/boat launch. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-171.7R Marina Park (1051 E Marina Way, Bingen, WA 98605).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Anchor Point A is on Dickeys Farm property. Call farm before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Resident Fish, Salmonids, Waterfowl, Wetlands



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Bingen Harbor

B-172.2R



B-172.2R Photo: From harbor entrance, looking northeast towards anchor point A. Photo was taken in May.

Site Contact

Dickey Farms

Land/Property Owner :
509-493-2636

Klickitat County

Municipality (County/City) : Department of Emergency
Management
509-773-0582 ext. 3

Nearest Address

1051 E Marina Way
Bingen, WA 98605



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Marina Park (SABL-B-171.7R):

1. Head east on WA-14
2. Turn right on Maple St
3. Turn left on E Marina Way
4. Location is on the right

Dickey Farms

B-172.7R

Position - Location: 45° 42.181', -121° 26.526' 45° 42' 10.9", -121° 26' 31.6" 45.70302, -121.44210 Bingen

Strategy Objective: Collection : Collect oil moving downriver.

Implementation: Using workboat, deploy 600ft boom at anchor point A. Then extend boom southeast and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-171.7R Marina Park (1051 E Marina Way, Bingen, WA 98605).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Call the farm before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Economic Resources, Resident Fish, Salmonids, Waterfowl



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
600 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Dickey Farms

B-172.7R



B-172.7R Photo: From Columbia river, looking northwest towards collection area at anchor point A. Photo was taken in May.

Site Contact

Dickey Farms

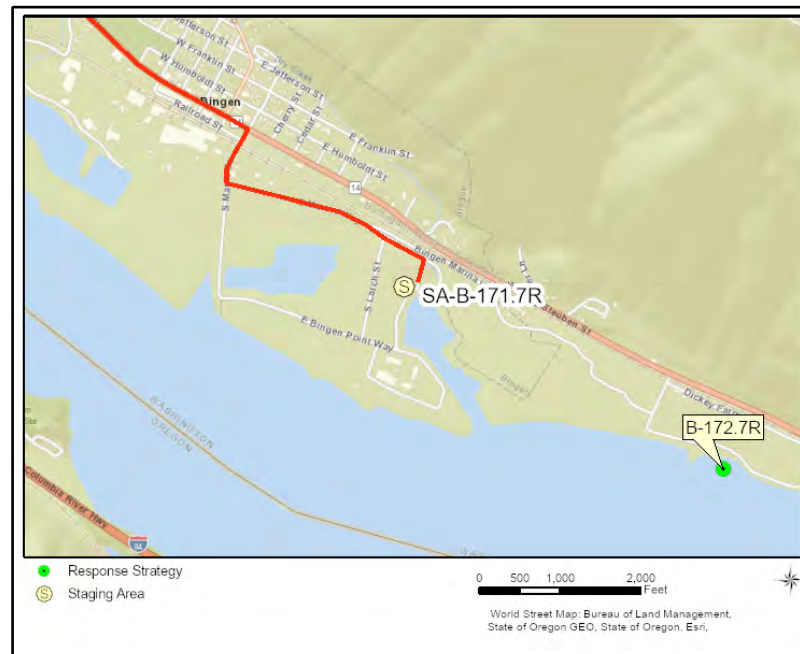
Land/Property Owner :
509-493-2636

Klickitat County

Municipality (County/City) : Department of Emergency
Management
509-773-0582 ext. 3

Nearest Address

1051 E Marina Way
Bingen, WA 98605



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Marina Park (SABL-B-171.7R):

1. Head east on WA-14
2. Turn right on Maple St
3. Turn left on E Marina Way
4. Location is on the right

Look Lake

B-174.5R

Position - Location: 45° 41.905', -121° 24.494' 45° 41' 54.3", -121° 24' 29.6" 45.69842, -121.40823 Bingen

Strategy Objective: Exclusion : Keep oil out from passing through culvert under train tracks into Look Lake.

Implementation: Using workboat, deploy 200ft boom at anchor point A. Then extend boom west and secure end near anchor point C. Near boom midpoint, use workboat to pull boom south, creating a chevron, and anchor near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-171.7R Marina Park (1051 E Marina Way, Bingen, WA 98605).

Site Safety: Slips, Trips, Falls; Train Traffic; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Call Klickitat County before deployment. The train tracks belong to BNSF.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Backwater Habitat, Resident Fish, Salmonids



Recommended Equipment

1 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
200 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Look Lake

B-174.5R



B-174.5R Photo: From Columbia River, looking north at culvert at western end of lake. Photo was taken in May.

Site Contact

Klickitat County

Municipality (County/City) : Department of Emergency Management

Goldendale, WA 98620
509-773-0582 ext. 3

Nearest Address

1051 E Marina Way
Bingen, WA 98605



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Marina Park (SABL-B-171.7R):

1. Head east on WA-14
2. Turn right on Maple St
3. Turn left on E Marina Way
4. Location is on the right

Mosier Creek

B-174.9L

Position - Location: 45° 41.170', -121° 23.717' 45° 41' 10.2", -121° 23' 43.0" 45.68616, -121.39529 Bingen

Strategy Objective: Exclusion : Keep oil in/out of Mosier Creek

Implementation: Anchor 100' of boom in a chevron formation at the mouth of Mosier Creek. Adjust angle of boom, quantity and placement of anchors, based on conditions of the day. Shallow water, bring waders.

Staging Area: Remote: Stage at SA-B-171.7R/Bingen Marina

Site Safety: Shallow water, water hazard, slips, trips, & falls

Field Notes: Launch at BL-B-171.7R/Bingen Marina

Watercourse: River - Above a Dam - Bonneville pool

Resources at Risk: Raptors, Riparian Habitat, Salmonids, Waterfowl



Recommended Equipment

1	Each	Anchor - Danforth (or other appropriate type)
2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
1	Laborer
1	Supervisor



B-174.9L Photo: Aerial view of the mouth of Mosier Creek



Site Contact

USACE Bonneville pool

Land/Property Contact : Natural Resources Manager

Bonneville Dam, OR
541-374-8344

Nearest Address

1051 E Marina Way
Bingen, WA 98605

Driving Directions

1. Directions to SA-B-171.7R/Bingen Marina, starting at Hood River Bridge (toll bridge), WA 98605
2. Go southeast on WA-14 (W Steuben St) (0.56 miles)
3. Turn right on WA-141 (Oak St) (0.03 miles)
4. Turn left on Railroad St (Depot St) (0.06 miles)
5. Make sharp right on Maple St Ext (0.11 miles)
6. Turn left on W Lakeview Blvd (Marina Access Rd) (0.51 miles)
7. Turn right on E Bingen Marina Loop Rd (0.1 miles)
8. Finish at E Bingen Marina Loop Rd, 98605, on the right

Rowland Lake

B-176.1R

Position - Location: 45° 42.266', -121° 22.951' 45° 42' 15.9", -121° 22' 57.1" 45.70443, -121.38252 Bingen

Strategy Objective: Exclusion : Keep oil out from passing through culvert under train tracks into Rowland Lake.

Implementation: Using workboat, deploy 500ft boom at anchor point A. Then extend boom northeast and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-171.7R Marina Park (1051 E Marina Way, Bingen, WA 98605).

Site Safety: Slips, Trips, Falls; Train Traffic; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Call Klickitat County before deployment. The train tracks belong to BNSF.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Backwater Habitat, Raptors, Resident Fish, Salmonids, Waterfowl



Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
200 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor



B-176.1R Photo: From Columbia River, looking southwest along riverbank. Culvert is next to the vegetation. Photo was taken in May.

Site Contact

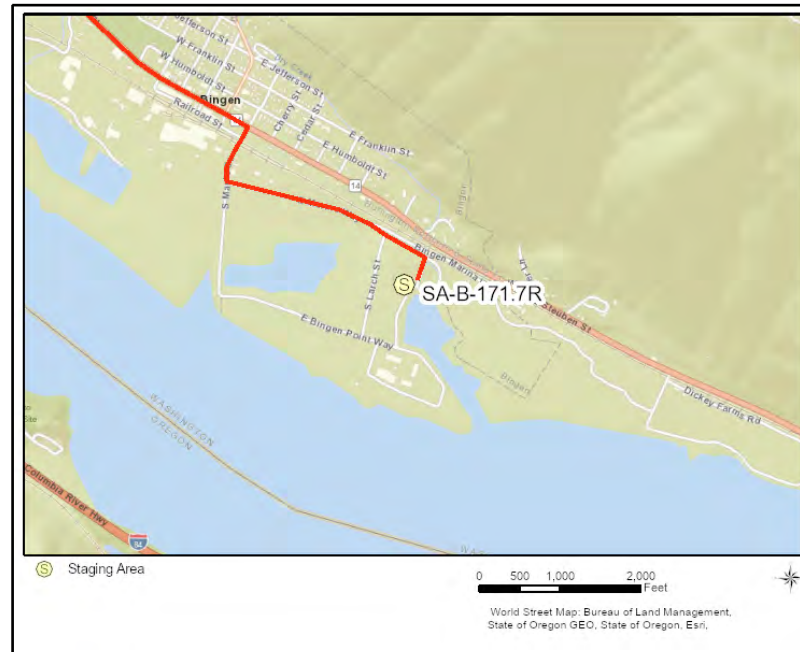
Klickitat County

Municipality (County/City) : Department of Emergency Management

Goldendale, WA 98620
509-773-0582 ext. 3

Nearest Address

1051 E Marina Way
Bingen, WA 98605



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Marina Park (SABL-B-171.7R):

1. Head east on WA-14
2. Turn right on Maple St
3. Turn left on E Marina Way
4. Location is on the right

Hewett Lake

B-177.8R

Position - Location: 45° 42.593', -121° 20.665' 45° 42' 35.6", -121° 20' 39.9" 45.70989, -121.34441 The Dalles

Strategy Objective: Exclusion : Keep oil out from passing through culvert under train tracks into Hewett Lake.

Implementation: Using workboat, deploy 200ft boom at anchor point A. Then extend boom west and secure end near anchor point C. Near boom midpoint, use workboat to pull boom south, creating a chevron, and anchor near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-180.9L Mayer State Park (Rowena River Rd, The Dalles, OR 97058).

Site Safety: Slips, Trips, Falls; Train Traffic; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Call Klickitat County before deployment. The train tracks belong to BNSF.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Backwater Habitat, Resident Fish, Salmonids, Waterfowl



Recommended Equipment

1 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
200 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Hewett Lake

B-177.8R



B-177.8R Photo: From Columbia River, looking west along riverbank. Photo was taken in May.

Site Contact

Klickitat County

Municipality (County/City) : Department of Emergency Management

Goldendale, WA 98620
509-773-0582 ext. 3

Nearest Address

6500 Rowena Ferry Rd
Mosier, OR 97040



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Mayer State Park (SABL-B-180.9L):

1. Head east on I-84
2. Take exit 76 on the right and turn left at bottom of offramp
3. Turn left on Rowena River Rd
4. Location is on the right

McClure Lake

B-178.7L

Position - Location: 45° 41.791', -121° 19.500' 45° 41' 47.4", -121° 19' 30.0" 45.69651, -121.32500 The Dalles

Strategy Objective: Exclusion : Keep oil out of McClure Lake

Implementation: Anchor 100' of boom on either side of the culvert to McClure Lake in a chevron formation. Adjust angle of boom, quantity and placement of anchors, based on conditions of the day. Culvert may be in a slightly different spot than shown on map.

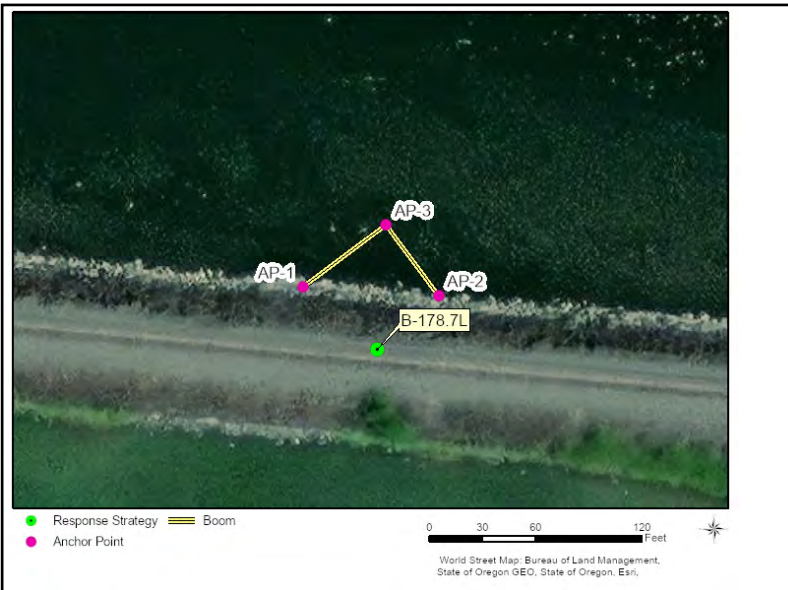
Staging Area: Remote: Stage at SA-B-180.9L/Mayer State Park

Site Safety: Slips, Trips, Falls, Water Hazard, & Active Railroad, expect trains on the track at any time/from either direction. Do not allow

Field Notes: Launch at BL-B-180.9L/Mayer State Park

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk: Raptors, Resident Fish, Salmonids, Waterfowl



Recommended Equipment

1	Each	Anchor - Danforth (or other appropriate type)
2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

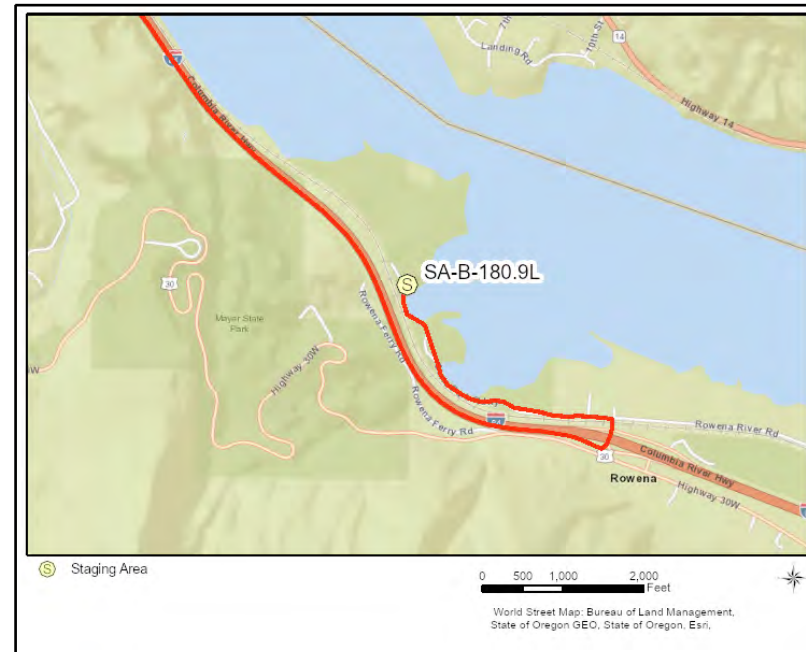
1	Boat Operator
2	Laborer
1	Supervisor

McClure Lake

B-178.7L



B-178.7L Photo: Aerial view of McClure Lake



Site Contact

Union Pacific Railroad

Land/Property Contact :
888-877-7267

USACE Bonneville pool

Land/Property Contact : Natural Resources Manager
541-374-8344

Nearest Address

6500 Rowena Ferry Rd
Mosier, OR 97040

Driving Directions

1. Directions to SA--B-180.9L/Mayer State Park, starting at Hood River Bridge, White Salmon, WA 98672
2. Go west on US-30 (1st Ave) toward Idaho St (0.46 miles)
3. Turn right onto ramp and go on I-84 E toward The Dalles (6.69 miles)
4. At exit 76 take ramp on the right toward Rowena (0.15 miles)
5. At fork keep left toward Mayer State Park/Hood River (0.02 miles)
6. Bear left on Rowena River Rd (0.03 miles)
7. Make sharp left onto ramp and go on I-84 W toward Hood River (0.47 miles)
8. Finish at State Park Roadway, 97058, on the right

Chamberlain Lake

B-179.9R

Position - Location: 45° 41.987', -121° 18.066' 45° 41' 59.2", -121° 18' 4.0" 45.69978, -121.30110 The Dalles

Strategy Objective: Exclusion : Keep oil out from passing through culvert under train tracks into Chamberlain Lake.

Implementation: Using workboat, deploy 200ft boom at anchor point A. Then extend boom northwest and secure end near anchor point C. Near boom midpoint, use workboat to pull boom southwest, creating a chevron, and anchor near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-180.9L Mayer State Park (Rowena River Rd, The Dalles, OR 97058).

Site Safety: Slips, Trips, Falls; Train Traffic; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Call Klickitat County before deployment. The train tracks belong to BNSF.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Backwater Habitat, Raptors, Resident Fish, Salmonids, Waterfowl



Recommended Equipment

1 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
200 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Chamberlain Lake

B-179.9R



B-179.9R Photo: From Columbia River, looking west along riverbank. Photo was taken in May.

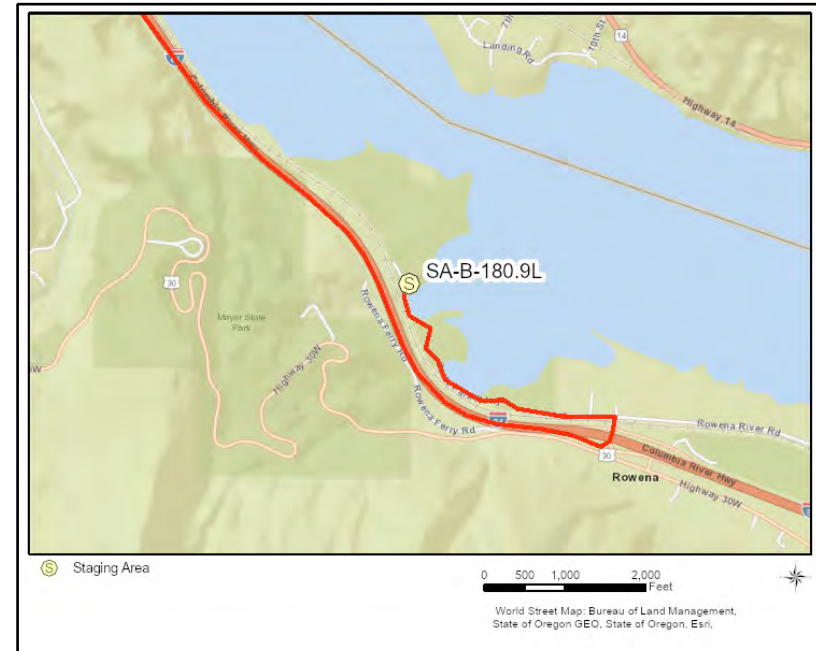
Site Contact

Klickitat County

Municipality (County/City) : Department of Emergency Management
509-773-0582 ext. 3

Nearest Address

6500 Rowena Ferry Rd
Mosier, OR 97040



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Mayer State Park (SABL-B-180.9L):

1. Head east on I-84
2. Take exit 76 on the right and turn left at bottom of offramp
3. Turn left on Rowena River Rd
4. Location is on the right

Klickitat River Mouth

B-180.5R

Position - Location: 45° 41.759', -121° 17.524' 45° 41' 45.5", -121° 17' 31.4" 45.69598, -121.29206 The Dalles

Strategy Objective: Exclusion : Keep oil out of the Klickitat River.

Implementation: Using workboat, deploy 400ft boom at anchor point A. Then extend boom northwest and secure end near anchor point C. Near boom midpoint, use workboat to pull boom southwest, creating a chevron, and anchor near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-180.9L Mayer State Park (Rowena River Rd, The Dalles, OR 97058).

Site Safety: Slips, Trips, Falls; Train Traffic; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Call Klickitat County before deployment. The train tracks belong to BNSF.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Backwater Habitat, Resident Fish, Salmonids, Sensitive Resources, Waterfowl



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Klickitat River Mouth

B-180.5R



B-180.5R Photo: From left bank of Klickitat River, looking northwest toward the opposite riverbank with the Columbia River to the left. Photo was taken in April.

Site Contact

Klickitat County

Municipality (County/City) : Department of Emergency Management
509-773-0582 ext. 3

BNSF Railway

Land/Property Owner : Service Interruption Desk
817-352-2832

Nearest Address

6500 Rowena Ferry Rd
Mosier, OR 97040



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Mayer State Park (SABL-B-180.9L):

1. Head east on I-84
2. Take exit 76 on the right and turn left at bottom of offramp
3. Turn left on Rowena River Rd
4. Location is on the right

Mayer State Park, Salisbury Slough

B-181.0L

Position - Location: 45° 40.990', -121° 17.189' 45° 40' 59.4", -121° 17' 11.4" 45.68317, -121.28649 The Dalles

Strategy Objective: Deflection : Keep oil out of Mayer State Park, Salisbury Slough

Implementation: Anchor 1000' of boom to the NW corner of the slough and tow upriver toward the island in the middle of the slough. Adjust angle of boom, quantity and placement of anchors, depending on conditions of the day. Shallow water, bring waders.

Staging Area: Remote: Stage at SA-B-180.9L/Mayer State Park

Site Safety: Water hazard, shallow water, slips, trips & falls

Field Notes: Launch at BL-B-180.9L/Mayer State Park

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk: Raptors, Resident Fish, Salmonids, State Park, Waterfowl



Recommended Equipment

5 Each	Anchor - Danforth (or other appropriate type)
2 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
4	Laborer
1	Supervisor



B-181.0L Photo: View of Salisbury Slough from the W side of the boat launch

Site Contact

Mayer State Park

Land/Property Contact :

Mosier, OR 97040
541-478-3008

Nearest Address

6500 Rowena Ferry Rd
Mosier, OR 97040



Driving Directions

1. Directions to SA-B-180.9L/Mayer State Park, starting at 100 first ave, Mosier, OR 97040
2. Go west on US-30 (1st Ave) toward Idaho St (0.46 miles)
3. Turn right onto ramp and go on I-84 E toward The Dalles (6.69 miles)
4. At exit 76 take ramp on the right toward Rowena (0.15 miles)
5. At fork keep left toward Mayer State Park/Hood River (0.02 miles)
6. Bear left on Rowena River Rd (0.03 miles)
7. Make sharp left onto ramp and go on I-84 W toward Hood River (0.47 miles)
8. Finish at State Park Roadway, 97058, on the right

Lyle Point

B-181.1R

Position - Location: 45° 41.306', -121° 16.892' 45° 41' 18.3", -121° 16' 53.5" 45.68843, -121.28153 The Dalles

Strategy Objective: Deflection : Keep oil away from treaty fishing site.

Implementation: Using workboat, deploy 1000ft boom at anchor point A. Then extend boom southwest and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-180.9L Mayer State Park (Rowena River Rd, The Dalles, OR 97058).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: This location is a CRITFC Treaty Fishing Access Site; notify them before deployment.

Watercourse: River - Above a Dam - Bonneville Pool/Lake Bonneville

Resources at Risk: Raptors, Resident Fish, Salmonids, Tribal Lands/Resources, Wetlands



Recommended Equipment

9 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
3 Laborer
1 Supervisor

Lyle Point

B-181.1R



B-181.1R Photo: From Lyle Point, looking west towards anchor point B. Photo was taken in November.

Site Contact

Columbia River Inter-Tribal Fish Commission
Tribal Contact : Fisheries Enforcement

Hood River, OR 97031
541-386-6363

Nearest Address

6500 Rowena Ferry Rd
Mosier, OR 97040



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Mayer State Park (SABL-B-180.9L):

1. Head east on I-84
2. Take exit 76 on the right and turn left at bottom of offramp
3. Turn left on Rowena River Rd
4. Location is on the right

Mayer State Park Boat Launch

B-181.4L

Position - Location: 45° 40.730', -121° 16.914' 45° 40' 43.8", -121° 16' 54.8" 45.67883, -121.28190 The Dalles

Strategy Objective: Exclusion : Keep oil out of slough while keeping boat launch open

Implementation: Anchor 500' of boom to the NE corner of the shoreline and tow it out to the NW to anchor. Anchor another 500' section of boom to the E side of the island and tow it toward the E to anchor. Allow room between where the two sections of boom overlap for boats to pass through. Have the boom coming from the E on the outside. Adjust angle of boom, quantity and placement of anchors, depending on conditions of the day. Shallow water, bring waders.

Staging Area: Onsite: Stage on site at SA-B-180.9L/Mayer State Park

Site Safety: Water hazard, active boat launch, shallow water, slips, trips & falls.

Field Notes: Launch on site at BL-B-180.9L/Mayer State Park

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk: Raptors, Resident Fish, Salmonids, State Park, Waterfowl



Recommended Equipment

6 Each	Anchor - Danforth (or other appropriate type)
2 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
4	Laborer
1	Supervisor

Mayer State Park Boat Launch

B-181.4L



B-181.4L Photo: View of small island in the middle of the inlet to Myer State Park boat launch

Site Contact

Mayer State Park

Land/Property Contact :

Mosier, OR 97040
541-478-3008

Nearest Address

State Park Roadway
The Dalles, OR 97058



Driving Directions

1. Directions to SA-B-180.9L/Mayer State Park, starting at 100 First Ave, Mosier, OR 97040
2. Go west on US-30 (1st Ave) toward Idaho St (0.46 miles)
3. Turn right onto ramp and go on I-84 E toward The Dalles (6.69 miles)
4. At exit 76 take ramp on the right toward Rowena (0.15 miles)
5. At fork keep left toward Mayer State Park/Hood River (0.02 miles)
6. Bear left on Rowena River Rd (0.03 miles)
7. Make sharp left onto ramp and go on I-84 W toward Hood River (0.47 miles)
8. Finish at State Park Roadway, 97058, on the right

West of Tooley Lake

B-182.6L

Position - Location: 45° 40.303', -121° 15.370' 45° 40' 18.2", -121° 15' 22.2" 45.67172, -121.25617 The Dalles

Strategy Objective: Deflection : Keep oil out of cove

Implementation: Anchor 1000' of boom on the point at 45.672073 N, -121.256652 W, tow boom to the NW to anchor offshore. Adjust angle of boom, quantity and placement of anchors, based on conditions of the day.

Staging Area: Remote: Stage at SA-B-180.9L/Mayer State Park

Site Safety: Shallow Water, Slips, Trips, Falls, Water Hazard, & Active Railroad, expect trains on the track at any time/from either direction. Do not

Field Notes: Launch at BL-B-180.9L/Mayer State Park

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk: Salmonids, Waterfowl



Recommended Equipment

5 Each	Anchor - Danforth (or other appropriate type)
1 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1 Boat Operator
4 Laborer
1 Supervisor



B-182.6L Photo: View of shallow water around inlet W of Tooley Lake

Site Contact

Mayer State Park
Land/Property Contact :

Mosier, OR 97040
541-478-3008

Nearest Address

6500 Rowena Ferry Rd
Mosier, OR 97040



Driving Directions

1. Directions to SA-B-180.9L/Mayer State Park, starting at 100 First Ave, Mosier, OR 97040
2. Go west on US-30 (1st Ave) toward Idaho St (0.46 miles)
3. Turn right onto ramp and go on I-84 E toward The Dalles (6.69 miles)
4. At exit 76 take ramp on the right toward Rowena (0.15 miles)
5. At fork keep left toward Mayer State Park/Hood River (0.02 miles)
6. Bear left on Rowena River Rd (0.03 miles)
7. Make sharp left onto ramp and go on I-84 W toward Hood River (0.47 miles)
8. Finish at State Park Roadway, 97058, on the right

Doug's Beach State Park

B-183.4R

Position - Location: 45° 40.573', -121° 14.161' 45° 40' 34.4", -121° 14' 9.7" 45.67621, -121.23602 Mosier

Strategy Objective: Deflection : Keep oil away from the riverbank.

Implementation: Using workboat, deploy 400ft boom at anchor point A. Then extend boom in a westerly direction and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-180.9L Mayer State Park (6500 Rowena Ferry Rd, Mosier, OR 97040).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Call State Parks before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Resident Fish, Salmonids, Sensitive Resources, State Park, Waterfowl



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Doug's Beach State Park

B-183.4R



B-183.4R Photo: From riverbank at park, looking southeast towards anchor point A. Photo was taken in April.

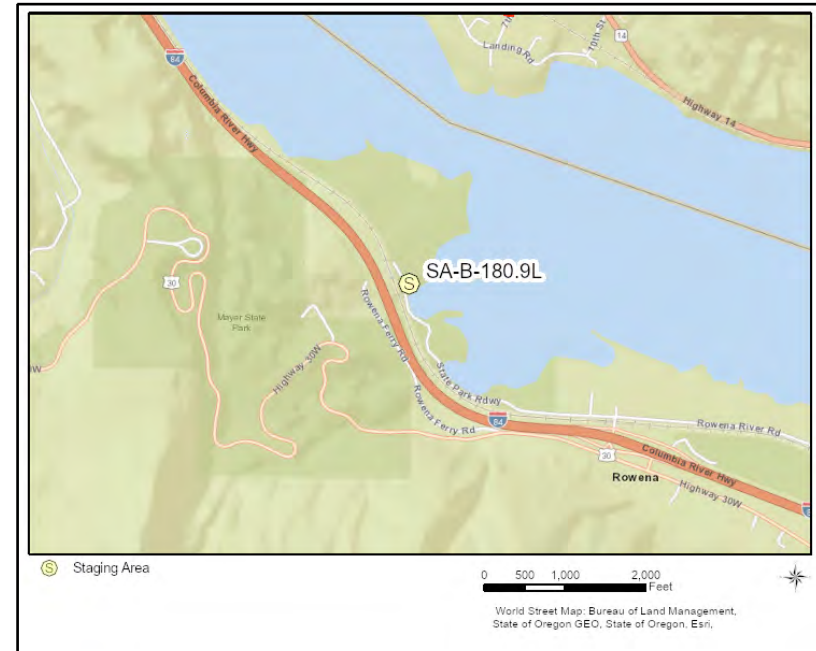
Site Contact

Washington State Parks and Recreation Commission
Land/Property Contact : Doug's Beach State Park

Dallesport, WA 98617
509-773-3145

Nearest Address

6500 Rowena Ferry Rd
Mosier, OR 97040



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Mayer State Park (SABL-B-180.9L):

1. Head east on I-84
2. Take exit 76 on the right and turn left at bottom of offramp
3. Turn left on Rowena River Rd
4. Location is on the right

North of Tooley Lake

B-183.9L

Position - Location: 45° 40.093', -121° 13.873' 45° 40' 5.6", -121° 13' 52.4" 45.66822, -121.23121 The Dalles

Strategy Objective: Deflection : Keep oil off the shoreline adjacent to Tooley Lake

Implementation: Anchor 1000' of boom to the shoreline N of Tooley Lake, tow boom to the NW and anchor offshore. Adjust angle of boom, quantity and placement of anchors, depending on conditions of the day. Shallow water, bring skiff.

Staging Area: Remote: Stage at SA-B-180.9L/Mayer State Park

Site Safety: Shallow water, water hazard, slips, trips & falls

Field Notes: Launch at BL-B-180.9L/Mayer State Park

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk: Raptors, Resident Fish, Salmonids, State Park, Waterfowl



Recommended Equipment

5 Each	Anchor - Danforth (or other appropriate type)
1 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1 Boat Operator
4 Laborer
1 Supervisor



B-183.9L Photo: View of shoreline by Tooley Lake from a distance

Site Contact

Mayer State Park

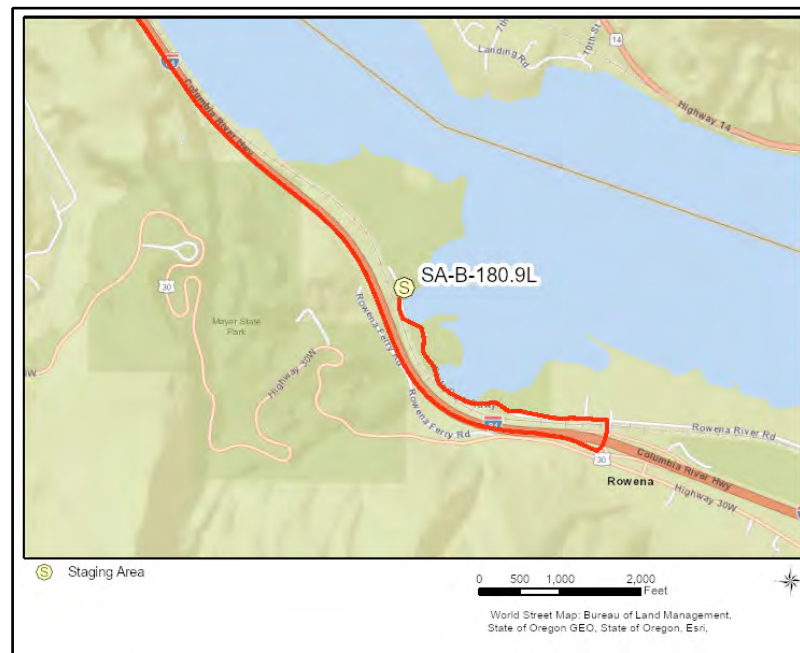
Land/Property Contact :

Mosier, OR 97040

541-478-3008

Nearest Address

6500 Rowena Ferry Rd
Mosier, OR 97040



Driving Directions

1. Directions to SA-B-180.9L/Mayer State Park, starting at 100 First Ave, Mosier, OR 97040
2. Go west on US-30 (1st Ave) toward Idaho St (0.46 miles)
3. Turn right onto ramp and go on I-84 E toward The Dalles (6.69 miles)
4. At exit 76 take ramp on the right toward Rowena (0.15 miles)
5. At fork keep left toward Mayer State Park/Hood River (0.02 miles)
6. Bear left on Rowena River Rd (0.03 miles)
7. Make sharp left onto ramp and go on I-84 W toward Hood River (0.47 miles)
8. Finish at State Park Roadway, 97058, on the right

Rocky Island North

B-186.1L

Position - Location: 45° 38.991', -121° 12.139' 45° 38' 59.5", -121° 12' 8.4" 45.64985, -121.20232 The Dalles

Strategy Objective: Deflection : Deflect oil away from shoreline E of Rocky Island

Implementation: Anchor 400' of boom to rock at the tip of Rocky Island, tow boom to the N and anchor off shore. Adjust angle of boom, quantity and placement of anchors, depending on conditions of the day.

Staging Area: Remote: Stage at SA-B-190L/Port of The Dalles Marina

Site Safety: Water Hazards, slips, trips, & falls

Field Notes: Launch at BL-B-190L/Port of The Dalles Marina

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk: Salmonids, Waterfowl



Recommended Equipment

2	Each	Anchor - Danforth (or other appropriate type)
1	Each	Anchoring System(s)- Shoreside
400	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor



B-186.1L Photo: Slightly blurry view of rock face at the tip of Rocky Island with an existing anchor point

Site Contact

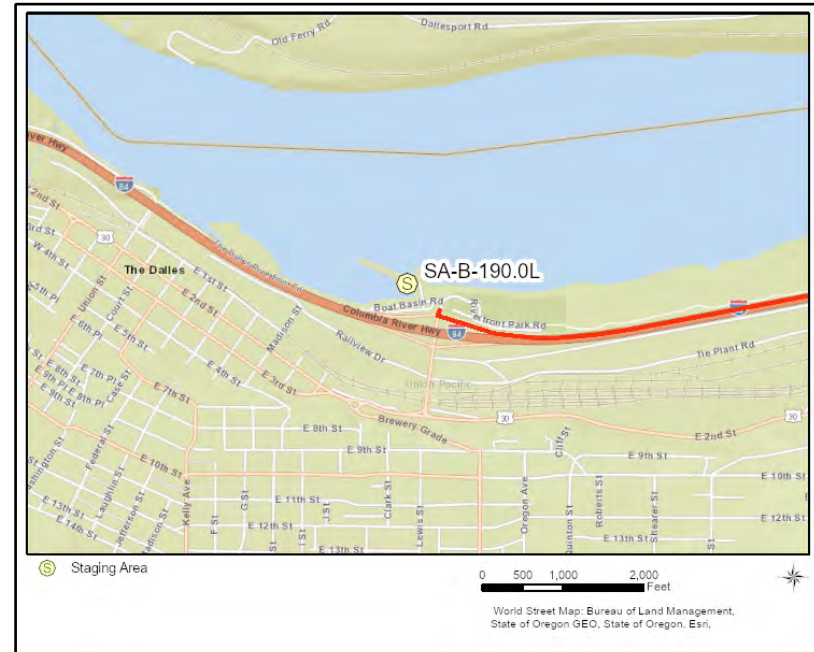
USACE Bonneville pool

Land/Property Contact : Natural Resources Manager

Bonneville Dam, OR
541-374-8344

Nearest Address

101 North Basin Road
The Dalles, OR 97058



Driving Directions

1. Directions to SA-B-190L/Port of The Dalles Marina, starting at US 197 Dallesport, WA 98617
2. Go southeast on US-197 toward Dow Rd (2.01 miles)
3. Turn right onto ramp and go on I-84 W toward Portland (1.27 miles)
4. At exit 85 take ramp on the right toward City Center/The Dalles/National Hist. Districts (0.24 miles)
5. Turn right toward Marina (0.02 miles)
6. Finish at Brewery Overpass Road and Highway 84, 97058, on the left

South of Rocky Island

B-186.6L

Position - Location: 45° 38.591', -121° 12.149' 45° 38' 35.4", -121° 12' 8.9" 45.64318, -121.20248 The Dalles

Strategy Objective: Exclusion : Keep oil out of the channel between Rocky Island and Taylor Lake

Implementation: Boom off the inlet going to the W side of Rocky Island. Anchor 600' of boom on the outer bank of Taylor Lake before small cove, and tow boom to the SE corner of Rocky Island to anchor on rocks (may be difficult to anchor here). Adjust angle of boom, quantity and placement of anchors, depending on conditions of the day.

Staging Area: Remote: Stage at SA-B-190L/Port of The Dalles Marina

Site Safety: Water hazard, slips, trips & falls

Field Notes: Launch at BL-B-190L/Port of The Dalles Marina

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk: Salmonids, Sensitive Resources Nearby, Waterfowl



Recommended Equipment

4 Each	Anchor - Danforth (or other appropriate type)
1 Each	Anchoring System(s)- Shoreside
800 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

South of Rocky Island

B-186.6L



B-186.6L Photo: View of inlet at S end of Rocky Island

Site Contact

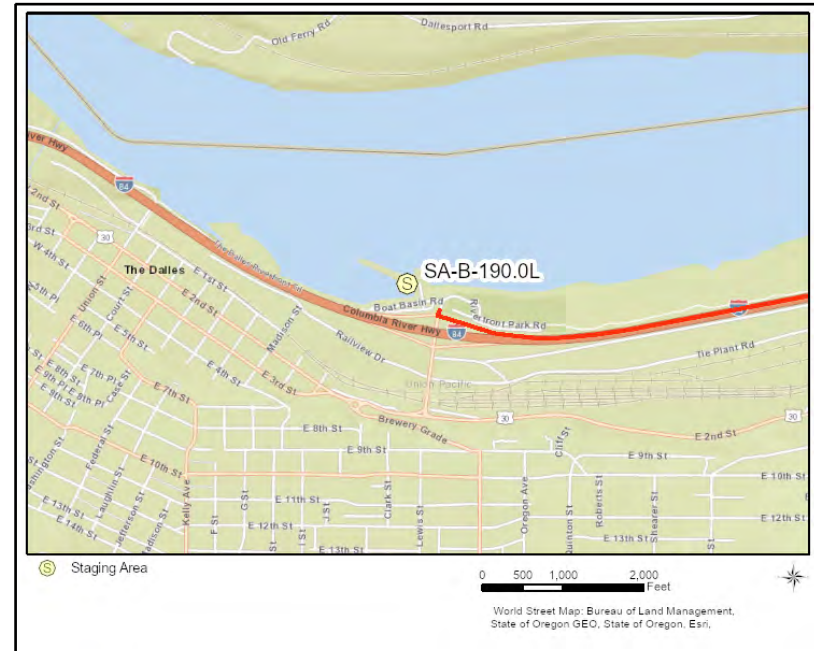
USACE Bonneville pool

Land/Property Contact : Natural Resources Manager

Bonneville Dam, OR
541-374-8344

Nearest Address

101 North Basin Road
The Dalles, OR 97058



Driving Directions

1. Directions to SA-B-190L/Port of The Dalles Marina, starting at US 197 Dallesport, WA 98617
2. Go southeast on US-197 toward Dow Rd (2.01 miles)
3. Turn right onto ramp and go on I-84 W toward Portland (1.27 miles)
4. At exit 85 take ramp on the right toward City Center/The Dalles/National Hist. Districts (0.24 miles)
5. Turn right toward Marina (0.02 miles)
6. Finish at Brewery Overpass Road and Highway 84, 97058, on the left

Southeast of Taylor Lake

B-186.8L

Position - Location: 45° 38.389', -121° 12.071' 45° 38' 23.4", -121° 12' 4.3" 45.63982, -121.20119 The Dalles

Strategy Objective: Deflection : Keep oil away from shoreline

Implementation: Anchor 800' of boom to rocky point at 45.640251 N, -121.201561 W, tow boom out to the NNE and anchor offshore. Adjust angle of boom, quantity and placement of anchors, depending on conditions of the day.

Staging Area: Remote: Stage at SA-B-190L/Port of The Dalles Marina

Site Safety: Shallow water, water hazard, rocky shoreline, slips, trips & falls

Field Notes: Launch at BL-B-190L/Port of The Dalles Marina

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk: Raptors, Salmonids, Waterfowl



Recommended Equipment

4 Each	Anchor - Danforth (or other appropriate type)
1 Each	Anchoring System(s)- Shoreside
800 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor



B-186.8L Photo: Aerial view of Taylor Lake E



Site Contact

USACE Bonneville pool

Land/Property Contact : Natural Resources Manager

Bonneville Dam, OR
541-374-8344

Nearest Address

101 North Basin Road
The Dalles, OR 97058

Driving Directions

1. Directions to SA-B-190L/Port of The Dalles Marina, starting at US 197 Dallesport, WA 98617
2. Go southeast on US-197 toward Dow Rd (2.01 miles)
3. Turn right onto ramp and go on I-84 W toward Portland (1.27 miles)
4. At exit 85 take ramp on the right toward City Center/The Dalles/National Hist. Districts (0.24 miles)
5. Turn right toward Marina (0.02 miles)
6. Finish at Brewery Overpass Road and Highway 84, 97058, on the left

Riverfront Trail at River Rd

B-187.1L

Position - Location: 45° 38.203', -121° 11.967' 45° 38' 12.2", -121° 11' 58.0" 45.63672, -121.19945 The Dalles

Strategy Objective: Collection : Divert oil to small cove for collection

Implementation: Anchor 1000' of boom on the E shore of a small cove just N of Chenoweth Creek. Tow boom out to the SE and anchor offshore. Adjust angle of boom, quantity and placement of anchors, depending on conditions of the day.

Staging Area: Onsite: Stage off of River Rd on Riverfront Trail beside small cove at collection point

Site Safety: Water hazard, slips, trips & falls

Field Notes: Launch at BL-B-190L/Port of The Dalles Marina

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk:



Recommended Equipment

5 Each	Anchor - Danforth (or other appropriate type)
1 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
4 Laborer
1 Supervisor

Riverfront Trail at River Rd

B-187.1L



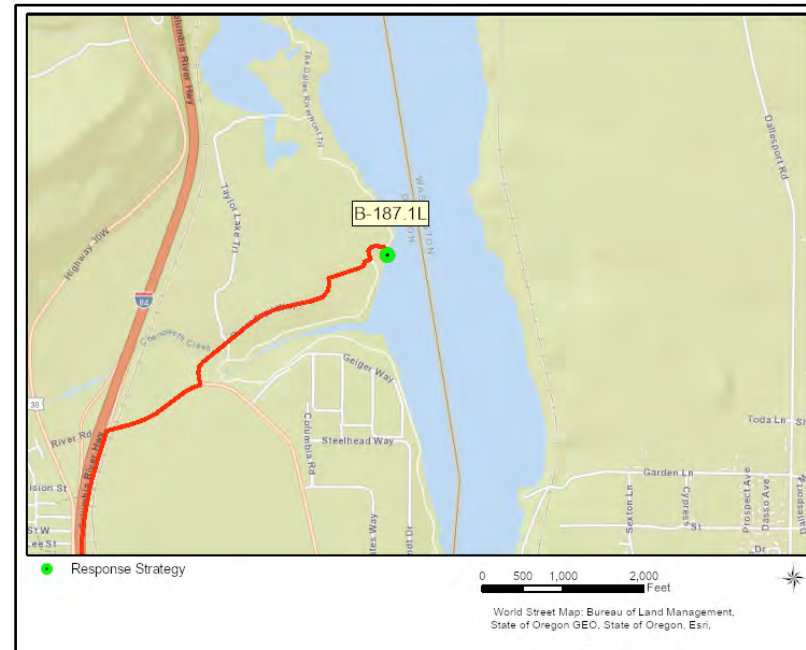
B-187.1L Photo: View up stream towards Chenoweth Creek

Site Contact

No Information
Not Determined :

Nearest Address

4300 River Rd
The Dalles, OR 97058



Driving Directions

1. Directions to B-187.1L, starting at US 197 in Dallesport, WA, head south on US-197 S toward Dallesport Rd. Entering Oregon (1.3 mi)
2. Turn right onto the I-84 W ramp to Portland (0.2 mi)
3. Merge onto I-84 (4.5 mi)
4. Take exit 82 toward Columblia Gorge Discovery Center/Wasco Country Museum (0.2 mi)
5. Turn right onto River Rd (0.2 mi)
6. Turn left to stay on River Rd. Pass the sub-station and take the first right after the curve onto a gravel road (0.4 mi).
7. Once you get close to the river go off road for 75 feet to get on the Riverfront Trail
8. Head N on Riverfront Trail for 350 feet and your destination is on the right.

Chenoweth Creek

B-187.3L

Position - Location: 45° 38.008', -121° 11.978' 45° 38' .5", -121° 11' 58.7" 45.63346, -121.19963 The Dalles

Strategy Objective: Exclusion : Keep oil out of creek estuary

Implementation: Anchor 900' of boom from the SE corner of the inlet to the NNW corner, directing oil towards B-187.1L collection point as well as excluding it from the creek. Adjust angle of boom, quantity and placement of anchors, based on conditions of the day. Shallow water, bring waders.

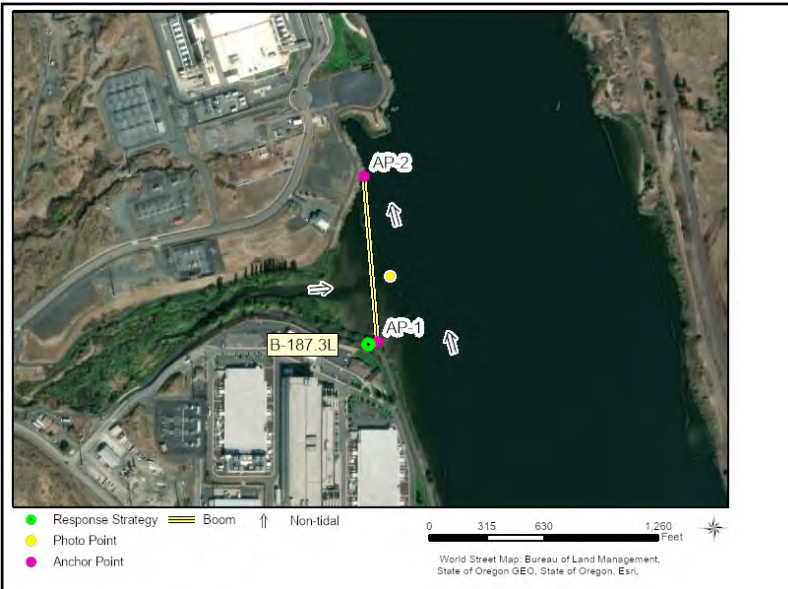
Staging Area: Remote: BL-B-190L/Port of The Dalles Marina

Site Safety: Water hazard, slips, trips & falls

Field Notes: Launch at BL-B-190L/Port of The Dalles Marina

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk: Estuary Resources, Salmonids, Waterfowl



Recommended Equipment

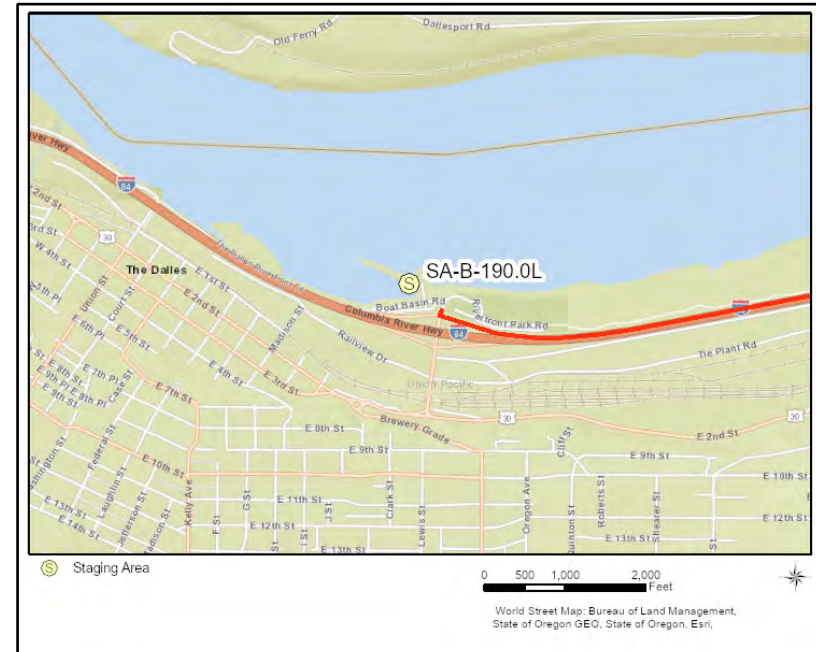
4 Each	Anchor - Danforth (or other appropriate type)
2 Each	Anchoring System(s)- Shoreside
900 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor



B-187.3L Photo: Mouth of Chenoweth Creek



Site Contact

USACE Bonneville pool

Land/Property Contact : Natural Resources Manager
541-374-8344

Port of The Dalles

Land/Property Contact :
541-298-4148

Nearest Address

101 North Basin Road
The Dalles, OR 97058

Driving Directions

1. Directions to SA-B-190L/Port of The Dalles Marina, starting at US 197 Dallesport, WA 98617
2. Go southeast on US-197 toward Dow Rd (2.01 miles)
3. Turn right onto ramp and go on I-84 W toward Portland (1.27 miles)
4. At exit 85 take ramp on the right toward City Center/The Dalles/National Hist. Districts (0.24 miles)
5. Turn right toward Marina (0.02 miles)
6. Finish at Brewery Overpass Road and Highway 84, 97058, on the left

North Dalles Irrigation District

B-187.7R

Position - Location: 45° 37.683', -121° 11.605' 45° 37' 41.0", -121° 11' 36.3" 45.62805, -121.19341 The Dalles

Strategy Objective: Deflection : Keep oil away from water intake along right riverbank.

Implementation: Using workboat, deploy 600ft boom at anchor point A. Then extend boom northwest and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

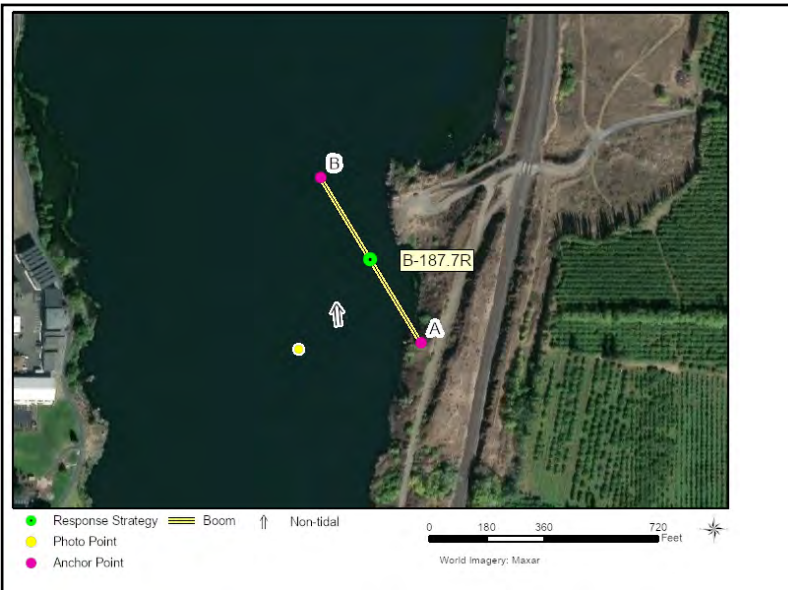
Staging Area: Remote: Stage equipment at SA-B-190.0L The Dalles Marina (101 North Basin Road, The Dalles, OR 97058).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: There is a notification strategy for this location. Call the irrigation district before deployment.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Resident Fish, Salmonids, Sensitive Resources, Water Intakes



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
600 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

North Dalles Irrigation District

B-187.7R



B-187.7R Photo: From the middle of the river, looking northeast towards the pumphouse. Photo was taken in May.

Site Contact

North Dalles Irrigation District

Land/Property Owner :

Dallesport, WA 98617
541-993-0203

Nearest Address

101 North Basin Rd
The Dalles, OR 97058



Driving Directions

TO STAGING AREA/BOAT LAUNCH at The Dalles Marina (SABL-B-190.0L):

1. Head east on I-84
2. Take exit 85 on the right toward City Center / The Dalles
3. At the stop sign, turn left on Brewery Overpass Rd
4. Turn left on Riverfront Park Rd

Riverfront Trail Water Intake Facility

B-188.2L

Position - Location: 45° 37.248', -121° 11.897' 45° 37' 14.9", -121° 11' 53.8" 45.62080, -121.19828 The Dalles

Strategy Objective: Deflection : Keep oil away from water intake and Riverfront Trail shoreline (divert to collection strategy B-187.7R)

Implementation: Anchor 1000' of boom just upstream from the water intake facility, tow boom out to the NE and anchor where it will divert oil toward boom deployed for B-187.7R. Adjust angle of boom, quantity and placement of anchors, depending on conditions of the day.

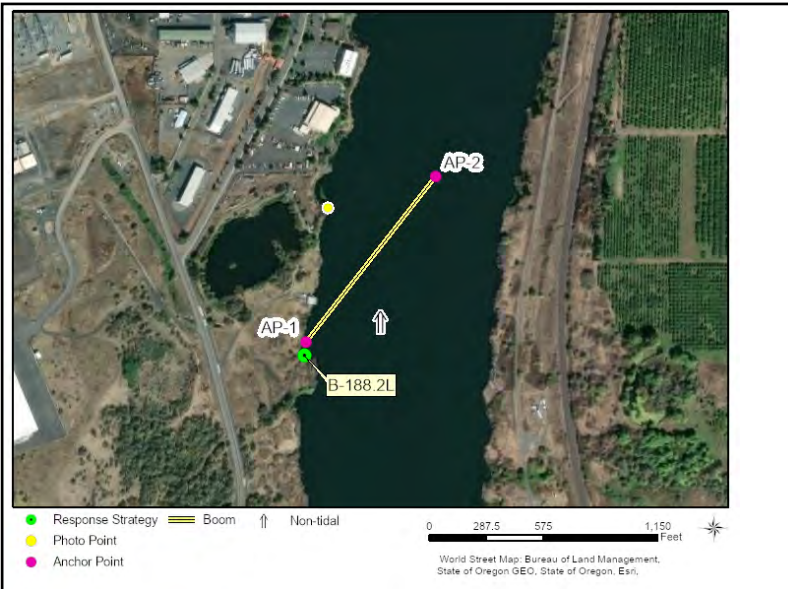
Staging Area: Remote: Stage at SA-B-190L/Port of The Dalles Marina

Site Safety: Water hazard, slips, trips & falls.

Field Notes: Launch at BL-B-190L/Port of The Dalles Marina

Watercourse: River - Above a Dam - Bonneville pool

Resources at Risk: Water Intakes



Recommended Equipment

5 Each	Anchor - Danforth (or other appropriate type)
1 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
4	Laborer
1	Supervisor

Riverfront Trail Water Intake Facility

B-188.2L



B-188.2L Photo: View of the shoreline by the water intake facility on Riverfront Trail

Site Contact

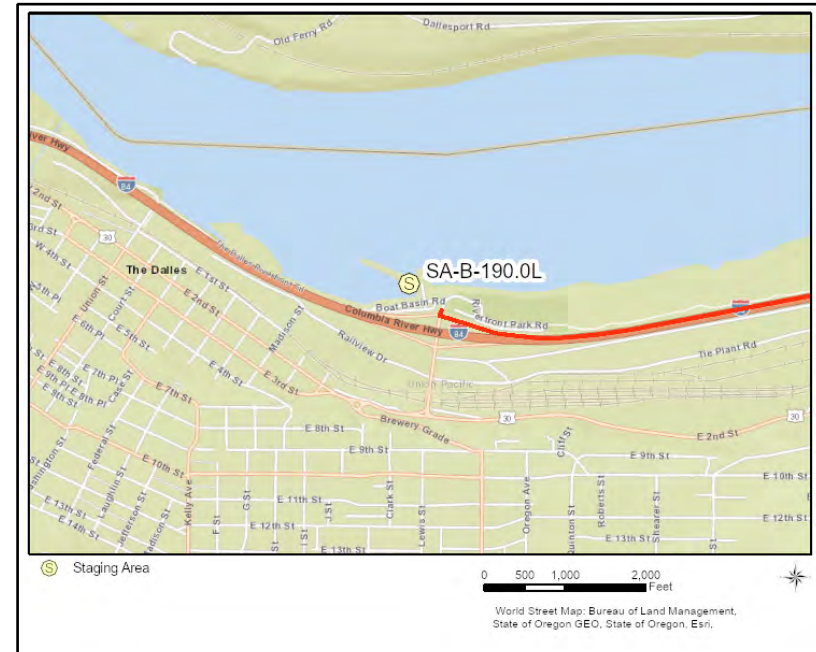
Port of The Dalles

Primary Contact :

The Dalles, OR 97058
541-298-4148

Nearest Address

101 North Basin Road
The Dalles, OR 97058



Driving Directions

1. Directions to SA-B-190L/Port of The Dalles Marina, starting at US 197 Dallesport
2. Go southeast on US-197 toward Dallesport Rd (1.05 miles)
3. Turn right onto ramp and go on I-84 W toward Portland (1.27 miles)
4. At exit 85 take ramp on the right toward City Center/The Dalles/National Hist. Districts (0.24 miles)
5. Turn right toward Marina (0.02 miles)
6. Finish at Brewery Overpass Road and Highway 84, 97058, on the left

Dallesport

B-188.5R

Position - Location: 45° 37.021', -121° 11.694' 45° 37' 1.3", -121° 11' 41.6" 45.61702, -121.19490 The Dalles

Strategy Objective: Deflection : Keep oil away from treaty fishing site.

Implementation: Using workboat, deploy 400ft boom at anchor point A. Then extend boom northeast and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-190.0L The Dalles Marina (101 North Basin Road, The Dalles, OR 97058).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: This location is a CRITFC Treaty Fishing Access Site; notify them before deployment.

Watercourse: River - Above a Dam - Bonneville Pool/Lake Bonneville

Resources at Risk: Raptors, Resident Fish, Salmonids, Tribal Lands/Resources



Recommended Equipment

1 Each	Anchoring Post(s) - (shoreside)
4 Each	Anchoring System(s) - (anchor, lines, floats)
400 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor



B-188.5R Photo: From boat launch, looking southeast/upriver towards anchor point A. Photo was taken in November.

Site Contact

Columbia River Inter-Tribal Fish Commission
Tribal Contact : Fisheries Enforcement

Hood River, OR 97031
541-386-6363

Nearest Address

101 North Basin Road
The Dalles, OR 97058



Driving Directions

TO STAGING AREA/BOAT LAUNCH at The Dalles Marina (SABL-B-190.0L):

1. Head east on I-84
2. Take exit 85 on the right toward City Center / The Dalles
3. At the stop sign, turn left on Brewery Overpass Rd
4. Turn left on Riverfront Park Rd

Port of The Dalles Marina

B-189.9L

Position - Location: 45° 36.146', -121° 10.416' 45° 36' 8.7", -121° 10' 25.0" 45.60243, -121.17360 The Dalles

Strategy Objective: Exclusion : Keep oil out of marina

Implementation: Anchor 400' of boom to the E jetty and tow to the NW past the breakwater. Adjust angle of boom, quantity and placement of anchors, depending on conditions of the day. Allow room for vessel passage.

Staging Area: Onsite: Stage at SA-B-190L/Port of The Dalles Marina

Site Safety: Active marina, water hazard, slips, trips & falls

Field Notes: Launch on site at BL-B-190L/Port of The Dalles Marina

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk: Marina



Recommended Equipment

2	Each	Anchor - Danforth (or other appropriate type)
1	Each	Anchoring System(s)- Shoreside
400	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor



B-189.9L Photo: From end of jetty, looking northwest/downriver. Photo was taken in April.

Site Contact

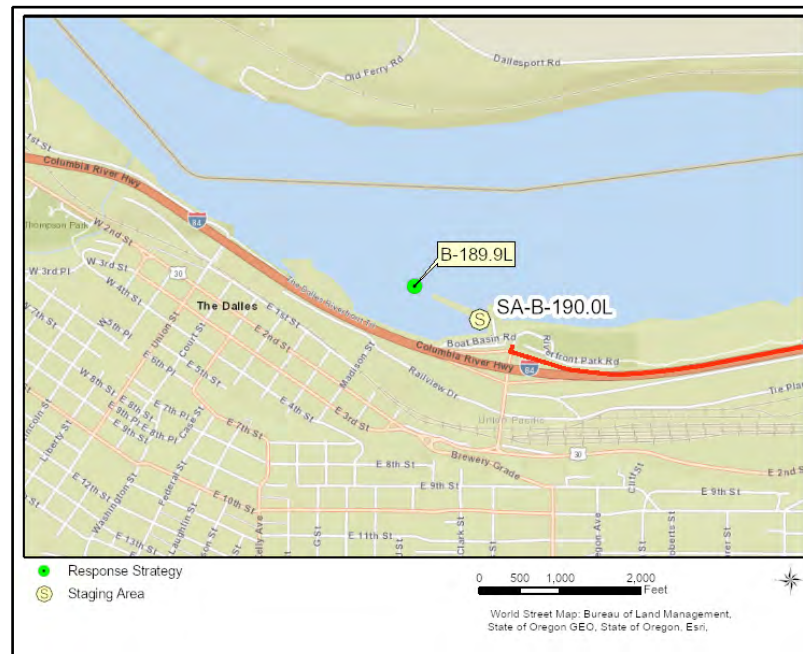
Port of The Dalles

Land/Property Contact :

The Dalles, OR 97058
541-298-4148

Nearest Address

Brewery Overpass Road and Highway 84
The Dalles, OR 97058



Driving Directions

1. Directions to SA-B-190L/Port of The Dalles Marina, starting at US 197 Dallesport, WA 98617
2. Go southeast on US-197 toward Dow Rd (2.01 miles)
3. Turn right onto ramp and go on I-84 W toward Portland (1.27 miles)
4. At exit 85 take ramp on the right toward City Center/The Dalles/National Hist. Districts (0.24 miles)
5. Turn right toward Marina (0.02 miles)
6. Finish at Brewery Overpass Road and Highway 84, 97058, on the left

Riverfront Park

B-190.1L

Position - Location: 45° 36.078', -121° 10.047' 45° 36' 4.7", -121° 10' 2.8" 45.60130, -121.16745 The Dalles

Strategy Objective: Exclusion : Keep oil off shoreline, sandy beach, small pond & sensitive resources.

Implementation: Deploy 1200' of boom anchored to the N end of the jetty on the E side of the boat launch, and to shore on the SE bank beyond the small pond. Adjust angle of boom, quantity and placement of anchors, depending on conditions of the day.

Staging Area: Onsite: Stage at SA-B-190L/Port of The Dalles Marina

Site Safety: Boat launch, water hazard, slips, trips & falls.

Field Notes: Launch on site at BL-B-190L/Port of The Dalles Marina

Watercourse: River - Above a Dam - Bonneville pool

Resources at Risk: Sensitive Resources



Recommended Equipment

5 Each	Anchor - Danforth (or other appropriate type)
2 Each	Anchoring System(s)- Shoreside
1200 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
4	Laborer
1	Supervisor

Riverfront Park

B-190.1L



B-190.1L Photo: From Riverfront Park Rd, looking northwest towards anchor point 1. Photo was taken in April.

Site Contact

Port of The Dalles

Land/Property Contact :

The Dalles, OR 97058
541-298-4148

Nearest Address

Brewery Overpass Road and Highway 84
The Dalles, OR 97058



Driving Directions

1. Directions to SA-B-190L/Port of The Dalles Marina, starting at US 197 Dallesport, WA 98617
2. Go southeast on US-197 toward Dow Rd (2.01 miles)
3. Turn right onto ramp and go on I-84 W toward Portland (1.27 miles)
4. At exit 85 take ramp on the right toward City Center/The Dalles/National Hist. Districts (0.24 miles)
5. Turn right toward Marina (0.02 miles)
6. Finish at Brewery Overpass Road and Highway 84, 97058, on the left

The Dalles Dam Navigation Lock

B-191.4R

Position - Location: 45° 36.728', -121° 8.589' 45° 36' 43.7", -121° 8' 35.3" 45.61213, -121.14315 The Dalles

Strategy Objective: Collection : Collect oil moving downriver through the dam's navigation lock.

Implementation: Using workboat, deploy 500ft boom on right bank of lock at anchor point A. Then extend boom south and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.

Staging Area: Remote: Stage equipment at SA-B-190.0L The Dalles Marina (101 North Basin Road, The Dalles, OR 97058).

Site Safety: Slips, Trips, Falls; Uneven Surfaces; Vessel Traffic; Water Hazard

Field Notes: Call USACE before deployment. Responders can drive a vacuum truck to the location.

Watercourse: River - Below a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Lock and Dam, Resident Fish, Salmonids, Sensitive Resources



Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B2 (18" to 42")
1 Each	Pump(s)
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
3 Laborer
1 Supervisor

The Dalles Dam Navigation Lock

B-191.4R



B-191.4R Photo: From dam, looking southwest/downriver towards end of navigation lock. Photo was taken in April.

Site Contact

USACE The Dalles Dam

Pre-Notification Required : Control Room

The Dalles, OR 97058
541-298-7505

Nearest Address

101 North Basin Road
The Dalles, OR 97058



Driving Directions

TO STAGING AREA/BOAT LAUNCH at The Dalles Marina (SABL-B-190.0L):

1. Head east on I-84
2. Take exit 85 on the right toward City Center / The Dalles
3. At the stop sign, turn left on Brewery Overpass Rd
4. Turn left on Riverfront Park Rd

Fifteenmile Creek at Seufert Park

B-192.4L

Position - Location: 45° 36.832', -121° 7.394' 45° 36' 49.9", -121° 7' 23.7" 45.61387, -121.12324 The Dalles

Strategy Objective: Exclusion : Keep oil from passing between the Columbia River and 15 Mile Creek

Implementation: Anchor 100' of boom on both banks at the Northern most point possible at the mouth of the creek. Contact The Dalles Dam Control Room 541-298-7505 to gain access to the area by boat.

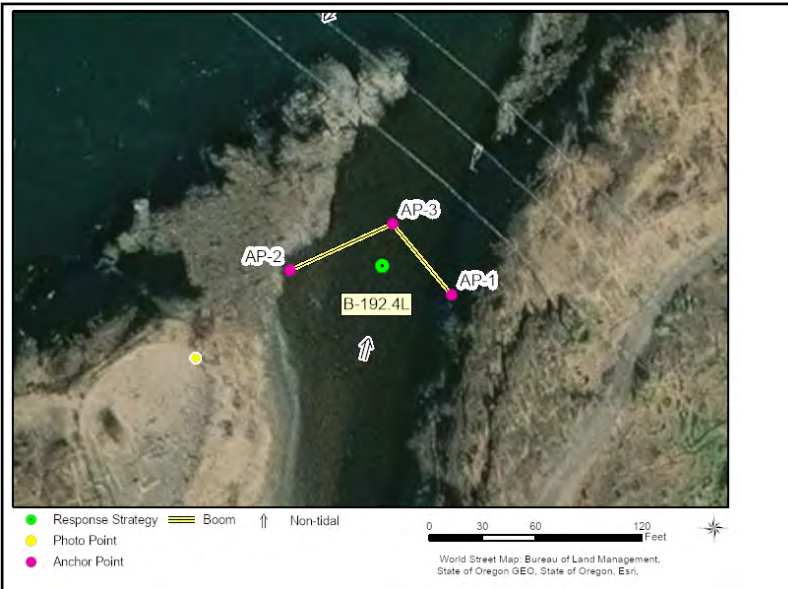
Staging Area: Remote: Stage at SA-B-190.0L/Port of The Dalles Marina

Site Safety: Dam, water hazard, slips, trips & falls

Field Notes: Launch from BL-B-190.0L/Port of The Dalles Marina

Watercourse: River - Below a Dam - Bonneville Pool but on the E shore near The Dalles Dam

Resources at Risk: Riparian Habitat, Salmonids, Sensitive Resources Nearby



Recommended Equipment

1 Each	Anchor - Danforth (or other appropriate type)
2 Each	Anchoring System(s)- Shoreside
100 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Fifteenmile Creek at Seufert Park

B-192.4L



B-192.4L Photo: From the left bank of the creek, looking north towards The Dalles Dam. Photo was taken in April.

Site Contact

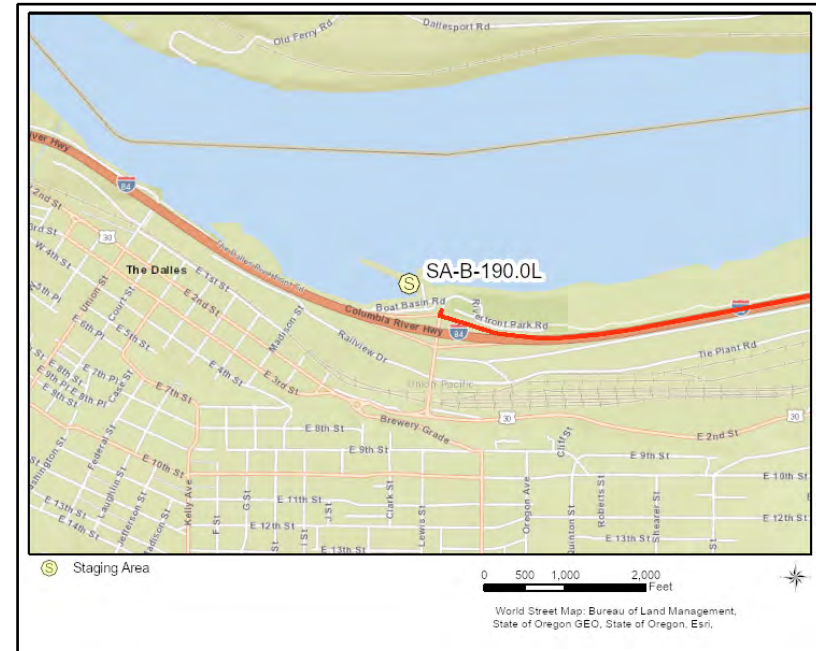
USACE The Dalles Dam

Pre-Notification Required : Control Room

The Dalles, OR 97058
541-298-7505

Nearest Address

101 North Basin Road
The Dalles, OR 97058



Driving Directions

1. Directions to SA-B-190L/Port of The Dalles Marina, starting at US 197 Dallesport, WA 98617
2. Go southeast on US-197 toward Dow Rd (2.01 miles)
3. Turn right onto ramp and go on I-84 W toward Portland (1.27 miles)
4. At exit 85 take ramp on the right toward City Center/The Dalles/National Hist. Districts (0.24 miles)
5. Turn right toward Marina (0.02 miles)
6. Finish at Brewery Overpass Road and Highway 84, 97058, on the left

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APPENDIX B

Notification Strategy 2-Pagers

USACE Bonneville Dam

B-145.4-N

Position - Location: 45° 38.414', -121° 56.778' 45° 38' 24.9", -121° 56' 46.7" 45.64024, -121.94630 Cascade Locks

Strategy Objective: Notification : Notify the US Army Corps of Engineers (USACE) so they can take action to protect the resources under their control.

Implementation: Call USACE at (541) 374-8338 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

Field Notes: USACE has the space to establish an on-site Incident Command Post. Those deploying response strategies on or near the dam will need an escort.

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk: Lock and Dam, Resident Fish, Salmonids, Sensitive Resources



Communication Process and Action:

Call USACE at (541) 374-8338 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. Actions taken may include: deploying any USACE protection strategies in the area; protecting their fish ladders; modifying flow through the spillway; or adjusting the locks to exclude or collect oil.



B-145.4-N Photo: From right bank of river, looking south towards the second powerhouse and Cascades Island. Photo was taken in May.

Site Contact

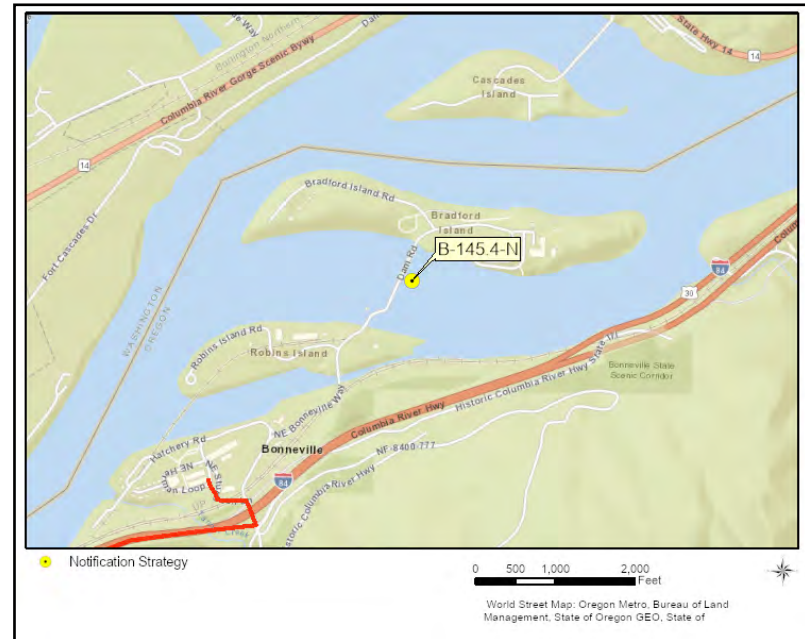
USACE Bonneville Dam

Emergency Contact : Control Room

Cascade Locks, OR 97014
541-374-8338

Nearest Address

100 NE Sturgeon Lane
Cascade Locks, OR 97014



Driving Directions

1. Head east on I-84 / US-30
2. Take exit 40 on the right to 40
3. At the stop sign, turn left on NE Bonneville Way
4. Continue forward on Tanner Creek Rd
5. Turn left on NE Sturgeon Ln
6. Location is straight ahead

ODFW Cascade Hatchery

B-146.2-N

Position - Location: 45° 38.492', -121° 55.663' 45° 38' 29.5", -121° 55' 39.8" 45.64154, -121.92772 Cascade Locks

Strategy Objective: Notification : Keep hatchery employees and fish safe

Implementation: Call Hatchery Manager at 503-801-3713 so they can determine if evacuation is needed or if they should shut down circulation pumps

Field Notes: Hatchery does not have a water intake in either Eagle Creek or the Columbia River, nor do they release fish to these waterbodies.

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk: Fish Hatchery



Communication Process and Action:

Call Hatchery Manager at 503-801-3713



B-146.2-N Photo: View of the Cascade Hatchery next to I-5 and the Union Pacific railroad line.

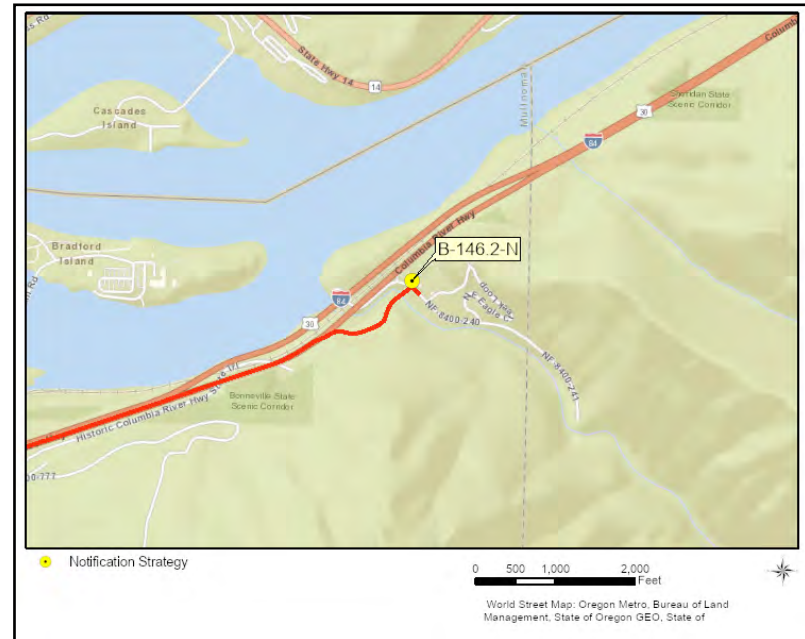
Site Contact

Cascade Hatchery

Primary Contact : Hatchery Manager
74152 NE Eagle Creek Loop
Cascade Locks, OR 97014
503-801-3713

Nearest Address

74152 NE Eagle Creek Loop
Cascade Locks, OR 97014



Driving Directions

1. Directions to the Cascade Hatchery, B-146.2L-N, starting from Portland, Or
2. Go north on NW 6th Ave toward NW Couch St (0.02 miles)
3. Turn right on NW Couch St (0.15 miles)
4. Turn right on NW 3rd Ave (0.05 miles)
5. Turn left on W Burnside St (0.2 miles)
6. Continue on Burnside Brg (0.16 miles)
7. Continue on E Burnside St (0.25 miles)
8. Turn left on OR-99E (NE Grand Ave) (0.15 miles)
9. Turn right onto ramp and go on I-84 E/US-30 E toward Portland Airport/The Dalles (38.64 miles)
10. At exit 41 take ramp to NE Eagle Creek Loop (0.28 miles)
11. Turn right on NE Eagle Creek Loop (NF-8400-240) (0.03 miles)
12. Finish at 74152 NE Eagle Creek Loop, 97014, on the left

City of Cascade Locks Water Intake

B-150.8-N

Position - Location: 45° 41.017', -121° 51.786' 45° 41' 1.0", -121° 51' 47.2" 45.68361, -121.86310 Cascade Locks

Strategy Objective: Notification : Alert to need to monitor and potentially shut off community water system well located less than 500 feet from river

Implementation: Call Public Works Foreman at 541-386-2711. Determine need to shut off water intakes.

Field Notes: This well is shown as groundwater withdrawal, but may have significant connection to river source. Well serves the city of Cascade Locks.

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk: Public Health and Safety, Water Intakes

Communication Process and Action:

Call Public Works Foreman at 541-386-2711



City of Cascade Locks Water Intake

B-150.8-N



B-150.8-N Photo: Aerial view of the Cascade Locks water intake facility

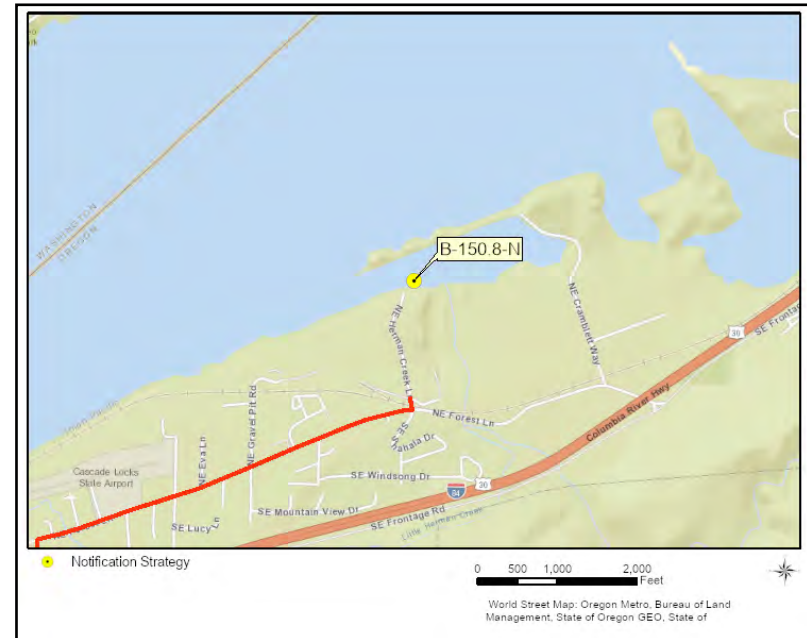
Site Contact

City of Cascade Locks-Public Works

Municipality (County/City) : Public Works Foreman
15 Herman Creek Lane
Cascade Locks, OR 97014
541-386-2711

Nearest Address

15 Herman Creek Lane
Cascade Locks, OR 97014



Driving Directions

1. Go east on I-84 E/US-30 E toward Portland Airport/The Dalles
2. At exit 44 take ramp on the right to US-30 toward Cascade Locks/Stevenson (0.32 miles)
3. Turn left (0.02 miles)
4. Make sharp right on US-30 (Wa-Na-Pa St) (0.11 miles)
5. At fork keep left on US-30 (Wa-Na-Pa St) (1.17 miles)
6. Turn left on NE Hammond Ave (0.15 miles)
7. Turn right on NW Forest Ln (0.94 miles)
8. Turn left on NE Herman Creek Ln

USFWS Spring Creek National Fish Hatchery

B-167.5-N

Position - Location: 45° 43.681', -121° 32.615' 45° 43' 40.8", -121° 32' 36.9" 45.72801, -121.54358 Underwood

Strategy Objective: Notification : Notify the US Fish & Wildlife Service staff so they can take action to protect the resources under their control.

Implementation: Call the hatchery at (509) 493-1730 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

Field Notes: Hatchery Manager's after-hours phone number is (509) 433-1236. Call the Facilities Operations Coordinator if you cannot reach the manager. This hatchery is one of four within the Fish & Wildlife Service's Gorge Complex.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Fish Hatchery



Communication Process and Action:

Call the hatchery at (509) 493-1730 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. Actions taken may include protecting their fish ladders, delaying the release of fish, and/or shutting off the water intake.



B-167.5-N Photo: From center of property, looking east towards visitor center and other buildings.

Site Contact

USFWS Spring Creek National Fish Hatchery

Primary Contact : Hatchery Manager
509-493-1730

USFWS Spring Creek National Fish Hatchery

Secondary Contact : Facilities Operations Coordinator
541-806-2962

Nearest Address

62301 WA-14
Underwood, WA 98651



Driving Directions

1. Head east from Vancouver
2. Continue forward on WA-14 (SE Lewis and Clark Hwy)
3. At the roundabout, take the first exit
4. Bear right on WA-14
5. Make a sharp right on Spring Creek Hatchery Rd
6. Drive through state park
7. Location is at the end of the road

SDS Lumber

B-171.0-N

Position - Location: 45° 42.870', -121° 28.106' 45° 42' 52.2", -121° 28' 6.4" 45.71450, -121.46844 Bingen

Strategy Objective: Notification : Notify the company so they can take action to protect the resources under their control.

Implementation: Call SDS at (541) 490-3299 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

Field Notes: SDS has an oil spill equipment cache on the north side of the inlet. Employees may deploy exclusion strategy B-170.8R on their own upon notification.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Economic Resources

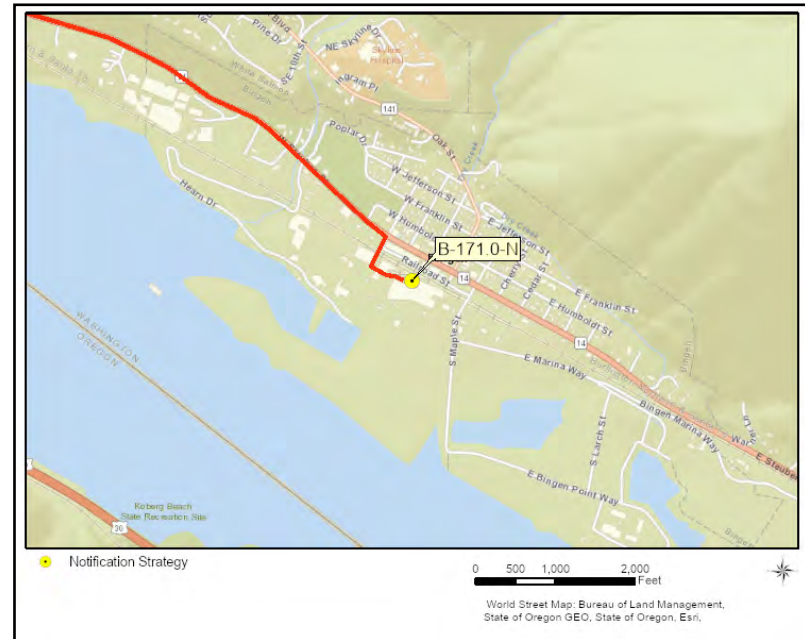


Communication Process and Action:

Call SDS at (541) 490-3299 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. Actions taken may include deploying any protection measures of their own and safeguarding their property from contamination.



B-171.0-N Photo: From the middle of the river, looking northeast towards the property. Photo was taken in May 2017.



Site Contact

SDS Lumber

Land/Property Owner : Safety & Environmental Manager
Depot St
Bingen, WA 98605
541-490-3299

Nearest Address

Walnut St
Bingen, WA 98605

Driving Directions

1. Head east on State Route 14
2. Turn right on Walnut St
3. Main office is to the left

North Dalles Irrigation District

B-187.7-N

Position - Location: 45° 37.717', -121° 11.587' 45° 37' 43.0", -121° 11' 35.2" 45.62861, -121.19311 Dallesport

Strategy Objective: Notification : Notify the district so they can take action to protect the resources under their control.

Implementation: Call the district at (541) 993-0203 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

Field Notes: The district irrigates upwards of 300 acres in Dallesport, WA.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Economic Resources, Water Intakes



Communication Process and Action:

Call the district at (541) 993-0203 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. Actions taken may include shutting down the surface water intake.

North Dalles Irrigation District

B-187.7-N



B-187.7-N Photo: From the middle of the river, looking northeast towards the pumphouse. Photo was taken in May.

Site Contact

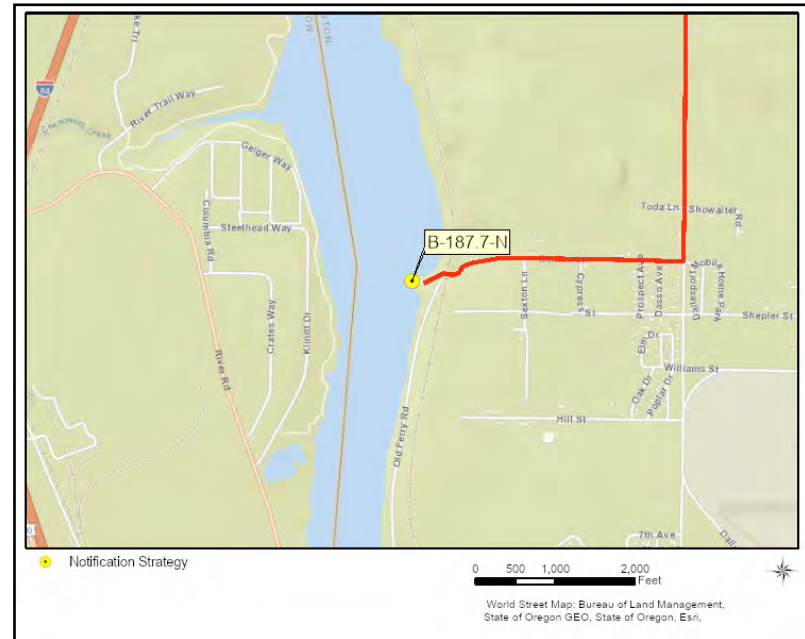
North Dalles Irrigation District

Land/Property Owner :

Dallesport, WA 98617
541-993-0203

Nearest Address

Garden Ln
Dallesport, WA 98617



Driving Directions

1. Head east on WA-14
2. Turn right on Dallesport Rd toward Dallesport / Airport
3. Turn right on Garden Ln
4. Location is at the end of the road

The Dalles Irrigation District Water Intake

B-189.0-N

Position - Location: 45° 36.480', -121° 11.364' 45° 36' 28.8", -121° 11' 21.8" 45.60800, -121.18940 The Dalles

Strategy Objective: Notification : Shut off water intake

Implementation: Call 541-993-5200 (24 hours), to have them shut off water intake

Field Notes: Water intake pipe is ~30 feet below the surface

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk: Water Intakes



Communication Process and Action:

Call 541-993-5200 (24 hours)

The Dalles Irrigation District Water Intake

B-189.0-N



B-189.0-N Photo: Aerial view of The Dalles Irrigation District water intake facility



Site Contact

The Dalles Irrigation District

Primary Contact : Water Intake Emergency Contact
3503 Olney Road
The Dalles, OR 97058
541-993-520

Nearest Address

West 1st St.
The Dalles, OR 97058

Driving Directions

1. Directions to The Dalles Irrigation District Water Intake Facility, starting at the Bridge of the Gods
2. Go east on US-30 (Wa-Na-Pa St) toward SE Venture St (1.31 miles)
3. Turn left onto ramp and go on I-84 E (38.34 miles)
4. At exit 83 take ramp on the right toward West The Dalles (0.14 miles)
5. Turn left on US-30 (W 6th St) (0.15 miles)
6. Turn left at W 6th St to stay on US-30 (Webber St) toward Portland/I-84 (0.12 miles)
7. Continue on Webber St (0.17 miles)
8. Turn right on W 1st St (0.64 miles)
9. Turn left onto gravel road at West 1st St., 97058

City of The Dalles Public Works

B-190.5-N

Position - Location: 45° 36.395', -121° 8.210' 45° 36' 23.7", -121° 8' 12.6" 45.60659, -121.13684 The Dalles

Strategy Objective: Notification : Alert to need to monitor and potentially shut off large municipal well located less than 500 feet from river bank.

Implementation: Call 541-980-7703, On Call Rotation for Public Works. Determine need to shut down water intakes.

Field Notes: This well is shown as groundwater withdrawal, but may have significant connection to river source. Well serves the city of The Dalles.

Watercourse: River - Above a Dam - Bonneville Pool

Resources at Risk: Public Health and Safety, Water Intakes

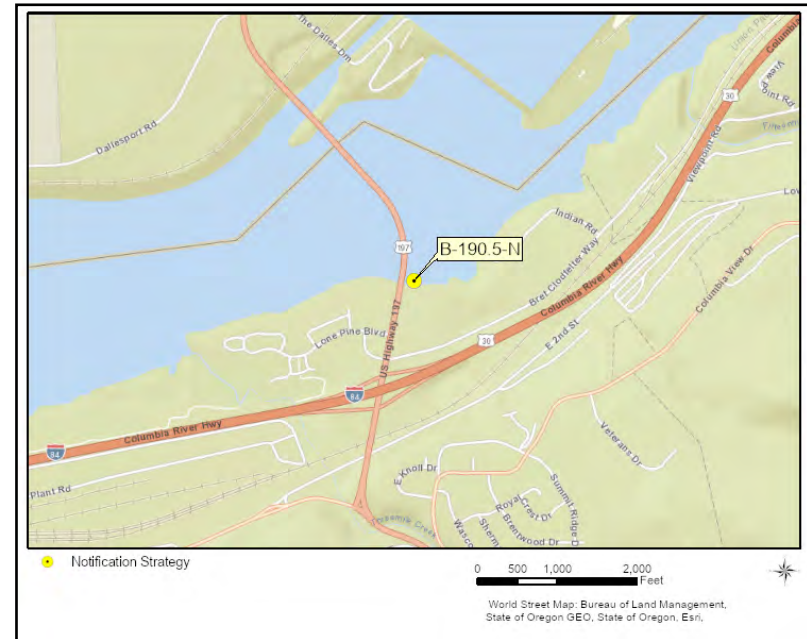
Communication Process and Action:

Call 541-980-7703,
On Call Rotation for Public Works





B-190.5-N Photo: Aerial view of The Dalles water intake/well - notification strategy location



Site Contact

City of The Dalles Public Works Department

Municipality (County/City) : On Call Rotation for Public Works
1215 West 1st Street
The Dalles, OR 97058
541-980-7703

Nearest Address

1215 West 1st Street
The Dalles, OR 97058

Driving Directions

1. Directions to the City of The Dalles Public Works Office, starting from Portland, OR
2. Go north on NW 6th Ave toward NW Couch St (0.02 miles)
3. Turn right on NW Couch St (0.15 miles)
4. Turn right on NW 3rd Ave (0.05 miles)
5. Turn left on W Burnside St (0.2 miles)
6. Continue on Burnside Brg (0.16 miles)
7. Continue on E Burnside St (0.25 miles)
8. Turn left on OR-99E (NE Grand Ave) (0.15 miles)
9. Turn right onto ramp and go on I-84 E/US-30 E toward Portland Airport/The Dalles (80.79 miles)
10. At exit 83 take ramp on the right toward West The Dalles (0.14 miles)
11. Turn left on US-30 (W 6th St) (0.15 miles)
12. Turn left at W 6th St to stay on US-30 (Webber St) toward Portland/I-84 (0.12 miles)
13. Continue on Webber St (0.17 miles)
14. Turn right on W 1st St (0.3 miles)
15. Finish at 1215 West 1st Street, 97058, on the left

WDFW Goldendale Hatchery

KLCKR-8.7-N

Position - Location: 45° 43.144', -121° 15.412' 45° 43' 8.6", -121° 15' 24.7" 45.71906, -121.25686 Goldendale

Strategy Objective: Notification : Notify hatchery staff so they can take action to protect the resources under their control.

Implementation: Call WDFW at (360) 601-1301 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

Field Notes: The hatchery is approximately 24 river miles to the northeast of this location, on a tributary of the Little Klickitat River.

Watercourse: River - Little Klickitat River (Spring Creek)

Resources at Risk: Fish Hatchery

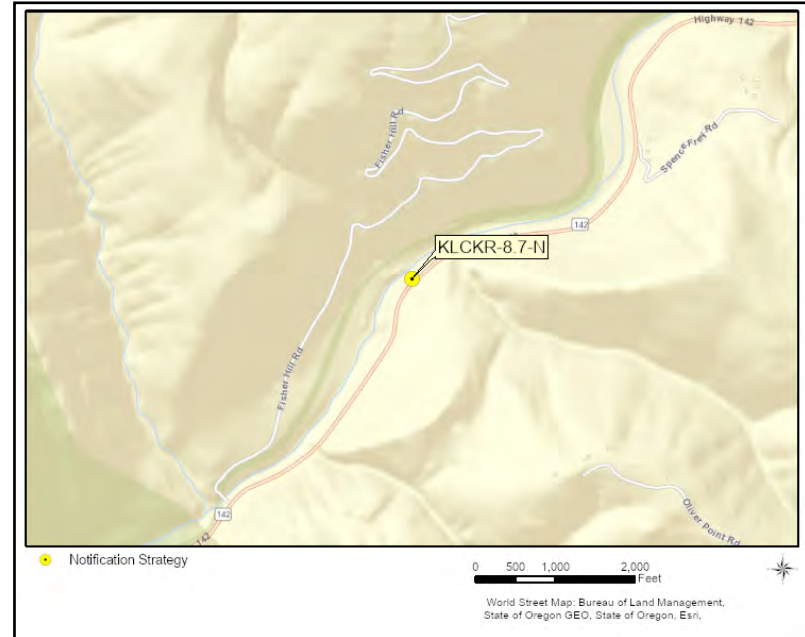


Communication Process and Action:

Call WDFW at (360) 601-1301 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. Actions taken may include delaying the release of fish to lakes adjacent to the Columbia River.

No Photograph Available

KLCKR-8.7-N Photo: No photograph available.



Site Contact

Washington Dept. of Fish and Wildlife

Land/Property Contact : Hatchery Division Manager
360-601-1301

Washington Dept. of Fish and Wildlife

Land/Property Contact : Assistant Hatchery Division Manager
360-460-6993

Nearest Address

130 Hatchery Lane
Goldendale, WA 98620

Driving Directions

1. Head east on WA-14
2. Continue forward on US-97 toward Goldendale / Yakima
3. Turn left on WA-142 (E Broadway St) toward Goldendale / Klickitat
4. Bear right on Hill Rd
5. Turn right on Fish Hatchery Rd
6. Turn right on Hatchery Ln
7. Location is at the end of the road

Klickitat Hatchery

KLCKR-42.5-N

Position - Location: 45° 43.210', -121° 15.416' 45° 43' 12.6", -121° 15' 24.9" 45.72017, -121.25693 Glenwood

Strategy Objective: Notification : Notify the Yakima/Klickitat Fisheries Project staff so they can take action to protect the resources under their control.

Implementation: Call the hatchery at (509) 364-3310 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

Field Notes: The hatchery is approximately forty river miles to the north-northeast of this location.

Watercourse: River - Klickitat River

Resources at Risk: Fish Hatchery

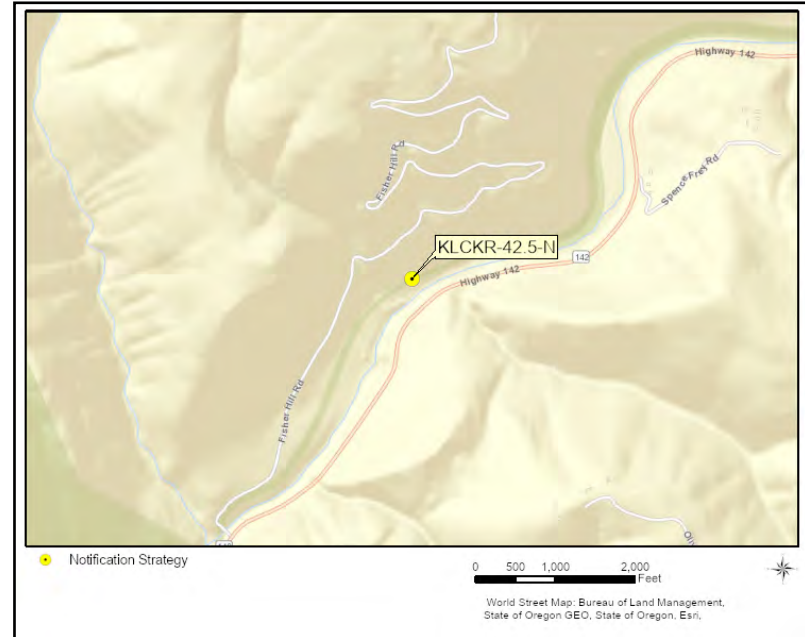


Communication Process and Action:

Call the hatchery at (509) 364-3310 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. Actions taken may include delaying the release of fish.

No Photograph Available

KLCKR-42.5-N Photo: No photograph available



Site Contact

Yakima/Klickitat Fisheries Project

Land/Property Owner : Klickitat Complex Manager

Glenwood, WA 98619

509-364-3310

Nearest Address

301 Fish Hatchery Rd

Glenwood, WA 98619

Driving Directions

USFWS Little White Salmon National Fish Hatchery

LWSR-1.0-N

Position - Location: 45° 43.150', -121° 38.688' 45° 43' 9.0", -121° 38' 41.3" 45.71917, -121.64480 Cook

Strategy Objective: Notification : Notify the US Fish & Wildlife Service staff so they can take action to protect the resources under their control.

Implementation: Call the hatchery at (509) 538-2755 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

Field Notes: Hatchery Manager's after-hours phone number is (509) 774-7038. This hatchery is one of four within the Fish & Wildlife Service's Gorge Complex.

Watercourse: River - Above a Dam - Bonneville Pool (Lake Bonneville)

Resources at Risk: Fish Hatchery



Communication Process and Action:

Call the hatchery at (509) 538-2755 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. Actions taken may include protecting their fish ladders, delaying the release of fish, and/or shutting off the water intake.



LWSR-1.0-N Photo: From viewing platform, looking northwest towards fish ladder with the Little White Salmon River on the left.

Site Contact

USFWS Little White Salmon National Fish Hatchery

Land/Property Contact : Hatchery Manager

Cook, WA 98605
509-538-2755

Nearest Address

56961 WA-14
Cook, WA 98605



Driving Directions

1. Head east on WA-14
2. Turn left at MP 57 at western end of Drano Lake
3. Location is at end of road

USFWS Willard National Fish Hatchery

LWSR-5.0-N

Position - Location: 45° 44.785', -121° 38.330' 45° 44' 47.1", -121° 38' 19.8" 45.74642, -121.63883 Cook

Strategy Objective: Notification : Notify the US Fish & Wildlife Service staff so they can take action to protect the resources under their control.

Implementation: Call the hatchery at (509) 538-2305 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

Field Notes: The hatchery is approximately two miles to the north of this location. The USGS Columbia River Research Laboratory is also onsite. This hatchery is one of four within the Fish & Wildlife Service's Gorge Complex.

Watercourse: River - Little White Salmon River

Resources at Risk: Fish Hatchery



Communication Process and Action:

Call the hatchery at (509) 538-2305 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. Actions taken may include delaying the release of fish.



LWSR-5.0-N Photo: From hatchery entrance, looking north towards raceways.

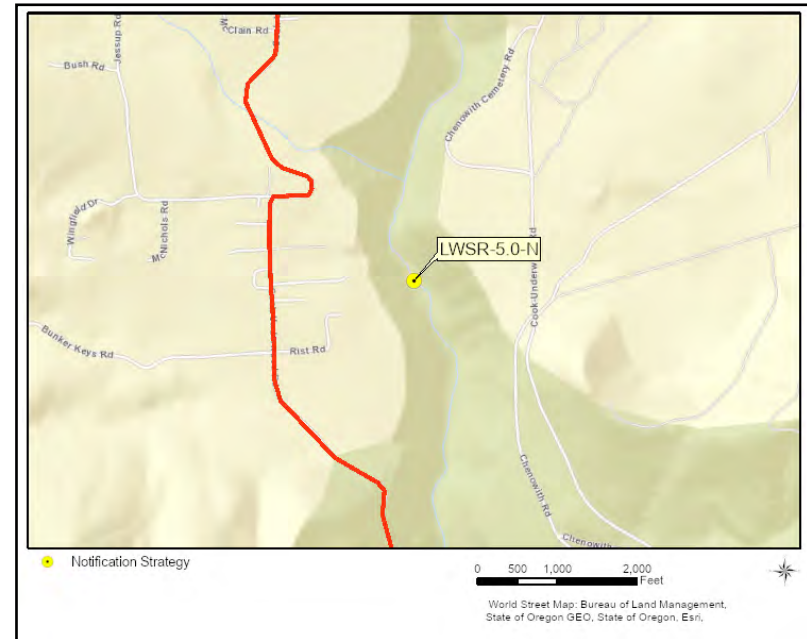
Site Contact

USFWS Willard National Fish Hatchery
Land/Property Contact : Hatchery Manager

Cook, WA 98605
509-538-2305

Nearest Address

5501B Cook-Underwood Rd
Cook, WA 98605



Driving Directions

1. Head east on WA-14 (SE Lewis and Clark Hwy)
2. Make a sharp left on Cook-Underwood Rd
3. Turn right at Jessup Rd to stay on Cook-Underwood Rd
4. Turn left to stay on Cook-Underwood Rd
5. Location is on the left at the top of the hill

USFWS Carson National Fish Hatchery

WIND-18.0-N

Position - Location: 45° 44.771', -121° 48.738' 45° 44' 46.2", -121° 48' 44.3" 45.74618, -121.81230 Carson

Strategy Objective: Notification : Notify the US Fish & Wildlife Service staff so they can take action to protect the resources under their control.

Implementation: Call the hatchery at (509) 427-5905 ext200 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

Field Notes: Call the Fish Biologist at (509) 426-5905 ext205 if you cannot reach the manager. The hatchery is approximately 11 miles to the northwest of this location. This hatchery is one of four within the Fish & Wildlife Service's Gorge Complex.

Watercourse: River - Wind River

Resources at Risk: Fish Hatchery

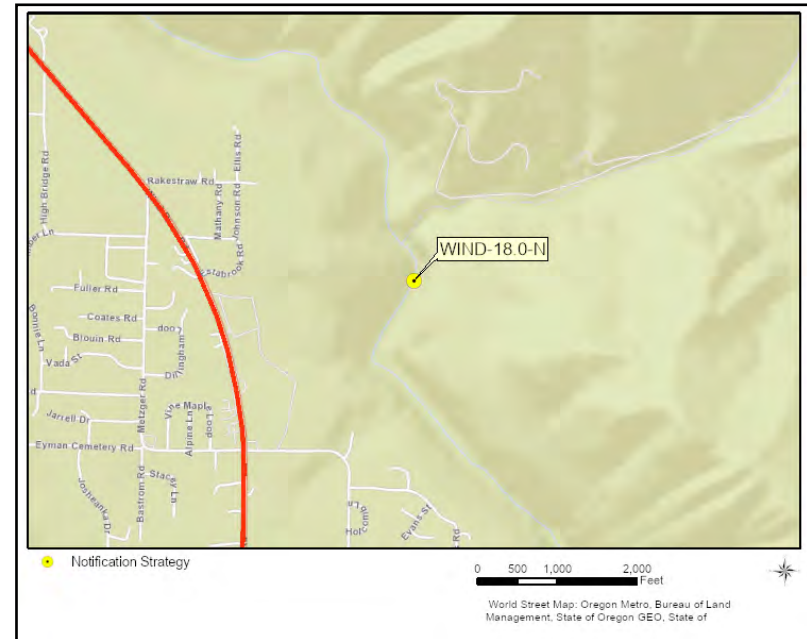


Communication Process and Action:

Call the hatchery at (509) 427-5905 ext200 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. Actions taken may include protecting their fish ladders, delaying the release of fish, and/or shutting off the water intake.



WIND-18.0-N Photo: From parking lot, looking towards office and raceways.



Site Contact

USFWS Carson National Fish Hatchery

Land/Property Contact : Hatchery Manager
509-427-5905 ext. 200

USFWS Carson National Fish Hatchery

Land/Property Contact : Fish Biologist
509-427-5905 ext. 205

Nearest Address

14041 Wind River Hwy
Carson, WA 98610

Driving Directions

1. Head east on WA-14 (SE Lewis and Clark Hwy)
2. At the roundabout, take the second exit
3. Continue forward on Wind River Rd
4. Location is on the left

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APPENDIX C

Staging Area 2-Pagers

Wind River Boat Launch

SA-WIND-0.2L

Staging Area

Position - Location: 45° 43.096', -121° 47.337' 45° 43' 5.8", -121° 47' 20.2" 45.71827, -121.78895 Stevenson

Comments: Public staging area and boat launch on the left bank of the Wind River. Notify Skamania County before staging equipment (509-427-3929).



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Plank	1
Cell Phone Coverage	Yes	4G LTE Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	20000
Fuel	No	
Lot Cover (Primary)	Asphalt	100 %
Parking - Car	Marked	9
Parking - Trailer	Marked	9
Power	No	
Restroom	Restroom - Vault	2
User Fee	Yes	5 \$ daily
Waste Disposal	None	
Water (potable)	No	

GRP Response Strategies Served:

B-154.6R, B-154.7R, B-156.0R, B-155.6L, B-155.5R, B-157.5R, B-155.4R

Wind River Boat Launch

SA-WIND-0.2L



SA-WIND-0.2L Photo: From the top of the boat ramp, looking southwest towards the confluence with the Columbia River. Photo was taken in April.

Site Contact

Skamania County

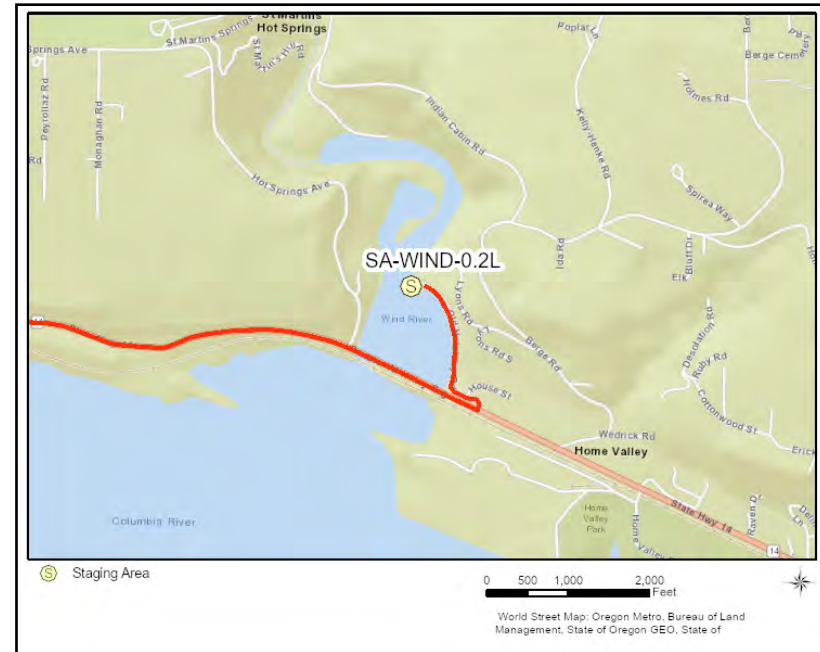
Municipality (County/City) : Public Works

Stevenson, WA 98648

509-427-3929

Nearest Address

Old Hatchery Road
Stevenson, WA 98648



Driving Directions

DIRECTIONS TO STAGING AREA/BOAT LAUNCH At Wind River Boat Launch (SABL-WIND-0.2L):

1. Head east on WA-14
4. Turn left on Old Hatchery Rd after MP 49
5. Location is at the end of the road

Cascade Locks Marine Park

SA-B-148.3L

Staging Area

Position - Location: 45° 40.040', -121° 53.805' 45° 40' 2.4", -121° 53' 48.3" 45.66733, -121.89675 Cascade Locks

Comments: Parking lot and small marina facilities near the boat launch



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Solid	2
Cell Phone Coverage	Yes	Verizon 4G LTE
Covered Spaces	No	
Estimated Lot Size	Square Feet	60000
Fuel	No	
Lot Cover (Primary)	Asphalt	100 %
Parking - Car	Marked	50
Parking - Trailer	Marked	20
Power	Yes	
Restroom	Restroom - Flush	
User Fee	No	
Waste Disposal	Trash Receptacle	2
Water (potable)	Yes	

GRP Response Strategies Served:

B-147.3R, B-146.9R, B-148.7R, B-148.8L



SA-B-148.3L Photo: Port of Cascade Locks boat launch



Site Contact

Port of Cascade Locks
 Primary Contact : Property Owner

 OR
 541-374-8535

Nearest Address

355 Wa Na Pa St
 Cascade Locks, OR 97014

Driving Directions

1. Directions to SA-B-148.3L/Thunder Island (Port of Cascade Locks), starting at 47479 State Hwy 14 Stevenson, WA
2. Go southwest on WA-14 (State Road 14)
3. Turn left on Bridge Of The Gods
4. Bear right
5. Make sharp right on US-30 (Wa-Na-Pa St)
6. Turn left at 355 Wa Na Pa St, 97014, to enter the parking area for the boat launch.

Cascade Boat Launch

SA-B-150.7R

Staging Area

Position - Location: 45° 41.650', -121° 52.682' 45° 41' 39.0", -121° 52' 40.9" 45.69416, -121.87804 Stevenson

Comments: Public staging area and boat launch on the right bank of the Columbia River (in the City of Stevenson). Notify the port before staging equipment (509-427-5484).



GRP Response Strategies Served:

B-150.5R, B-150.7R, B-150.1R, B-151.5R, B-151.8L

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Solid	1
Cell Phone Coverage	Yes	4G LTE Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	13000
Fuel	No	
Lot Cover (Primary)	Asphalt	100 %
Parking - Car	Marked	7
Parking - Trailer	Marked	15
Power	No	
Restroom	Restroom - Flush	1
User Fee	No	
Waste Disposal	Trash Receptacle	1
Water (potable)	Yes	

Cascade Boat Launch

SA-B-150.7R



SA-B-150.7R Photo: From top of boat ramp, looking northeast/upriver. Photo was taken in April.

Site Contact

Port of Skamania

Land/Property Contact :
212 SW Cascade
Stevenson, WA 98468
509-427-5484

Nearest Address

10 NE Cascade Ave
Stevenson, WA 98648



Driving Directions

1. Head east on WA-14 (SE Lewis and Clark Hwy)
2. Bear right on SW 1st St
3. At the stop sign, turn right on SW Russell Ave
4. Turn left on SW Cascade Ave
5. Location is on the right

Drano Lake Boat Launch

SA-B-162.4R

Staging Area

Position - Location: 45° 42.626', -121° 38.360' 45° 42' 37.6", -121° 38' 21.6" 45.71044, -121.63934 Bingen

Comments: Public staging area and boat launch on the right bank of the Columbia River (sheltered behind highway and train tracks). Notify Skamania County before staging equipment (509-427-3929).



Location Information

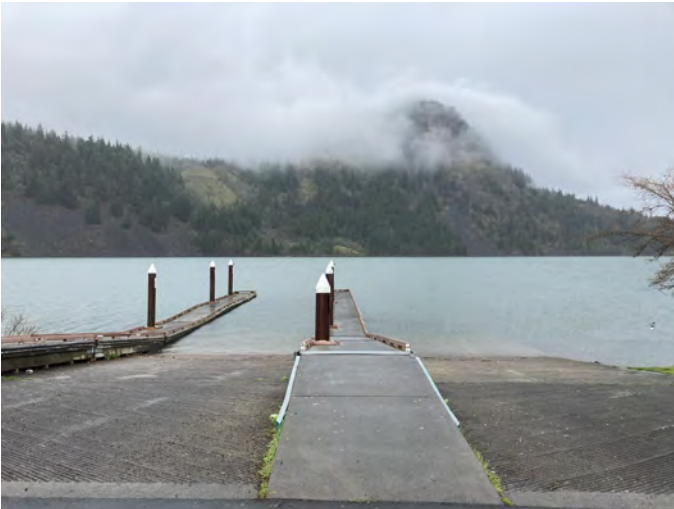
Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	2
Boat Ramp(s)	Concrete, Solid	2
Cell Phone Coverage	Yes	4G LTE Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	35000
Fuel	No	
Lot Cover (Primary)	Asphalt	
Parking - Car	Marked	20
Parking - Trailer	Marked	20
Power	No	
Restroom	Restroom - Vault	1
User Fee	Yes	
Waste Disposal	Trash Receptacle	1
Water (potable)	No	

GRP Response Strategies Served:

B-162.0R, B-160.5L, B-163.8R, B-158.3R, B-161.6R

Drano Lake Boat Launch

SA-B-162.4R



SA-B-162.4R Photo: From top of boat ramps, looking northeast across the lake. Photo was taken in April.

Site Contact

Skamania County

Municipality (County/City) : Public Works

Stevenson, WA 98648

509-427-3929

Nearest Address

57370 WA-14

Bingen, WA 98605



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Drano Lake Boat Launch (SABL-B-162.4R):

1. Head east on I-84 / US-30
2. Location is on the left after mile post 57

Port of Hood River Marina

SA-B-169.8L

Staging Area

Position - Location: 45° 42.740', -121° 30.119' 45° 42' 44.4", -121° 30' 7.1" 45.71233, -121.50198 Hood River

Comments: Public staging area and boat launch on the left bank of the Columbia River. Notify the port before staging equipment (541-387-5544).



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	2
Boat Ramp(s)	Concrete, Solid	2
Cell Phone Coverage	Yes	4G LTE Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	50000
Fuel	Yes	
Lot Cover (Primary)	Asphalt	100 %
Parking - Car	Marked	20
Parking - Trailer	Marked	30
Power	No	
Restroom	Restroom - Portable	1
User Fee	No	
Waste Disposal	Trash Receptacle	1
Water (potable)	Yes	

GRP Response Strategies Served:

B-170.7R, B-167.4R, B-168.5R, B-169.7L, B-170.8R, B-167.4L, B-168.4L

Port of Hood River Marina

SA-B-169.8L



SA-B-169.8L Photo: From top of boat ramps, looking northwest towards confluence of Hood and Columbia Rivers. Photo was taken in April.

Site Contact

Port of Hood River Marina

Land/Property Contact :

Hood River, OR 97031
541-387-5544

Nearest Address

1000 E Port Marina Drive
Hood River, OR 97031



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Port of Hood River Marina (SABL-B-169.8L):

1. Head east on I-84 / US-30
2. Take exit 64 on the right to OR-35 toward White Salmon Govt. Camp / Mt. Hood Hwy.
3. At the traffic light, turn left on Hood River Brg (US-30)
4. Turn left on E Port Marina Dr
5. Location straight ahead

Marina Park

SA-B-171.7R

Staging Area

Position - Location: 45° 42.545', -121° 27.429' 45° 42' 32.7", -121° 27' 25.7" 45.70909, -121.45715 Bingen

Comments: Public staging area and boat launch on the right bank of the Columbia River. Notify the port before staging equipment (509-493-1655).



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Solid	2
Cell Phone Coverage	Yes	4G LTE Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	40000
Fuel	No	
Lot Cover (Primary)	Gravel	100 %
Parking - Car	Not Marked	10
Parking - Trailer	Not Marked	20
Power	No	
Restroom	Restroom - Portable	1
User Fee	No	
Waste Disposal	Trash Receptacle	1
Water (potable)	No	

GRP Response Strategies Served:

B-172.7R, B-176.1R, B-171.4R, B-172.2R, B-174.5R, B-174.9L



SA-B-171.7R Photo: From top of boat ramps, looking southeast towards Columbia River. Photo was taken in April.

Site Contact

Port of Klickitat

Land/Property Contact :
154 E Bingen Point Way Ste. A
Bingen, WA 98605
509-493-1655

Nearest Address

1051 E Marina Way
Bingen, WA 98605



Driving Directions

1. Head east on WA-14
2. Turn right on Maple St
3. Turn left on E Marina Way
4. Location is on the right

Mayer State Park (West)

SA-B-180.9L

Staging Area

Position - Location: 45° 40.892', -121° 17.317' 45° 40' 53.5", -121° 17' 19.0" 45.68153, -121.28861 Mosier

Comments: Public staging area and boat launch on the left bank of the Columbia River. Notify the park before staging equipment (541-478-3008).



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Plank	2
Cell Phone Coverage	Yes	4G LTE Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	25000
Fuel	No	
Lot Cover (Primary)	Asphalt	100 %
Parking - Car	Marked	5
Parking - Trailer	Marked	20
Power	No	
Restroom	Restroom - Vault	1
User Fee	Yes	
Waste Disposal	Trash Receptacle	2
Water (potable)	No	

GRP Response Strategies Served:

B-183.9L, B-181.0L, B-178.7L, B-181.1R, B-183.4R, B-177.8R, B-179.9R, B-181.4L, B-180.5R, B-182.6L

Mayer State Park (West)

SA-B-180.9L



SA-B-180.9L Photo: From parking lot, looking southeast at cove.
Photo was taken in April.

Site Contact

Mayer State Park

Land/Property Contact :

Mosier, OR 97040
541-478-3008

Nearest Address

6500 Rowena Ferry Rd
Mosier, OR 97040



Driving Directions

1. Head east on I-84
2. Take exit 76 on the right and turn left at bottom of offramp
3. Turn left on Rowena River Rd
4. Location is on the right

The Dalles Marina

SA-B-190.0L

Staging Area

Position - Location: 45° 36.079', -121° 10.193' 45° 36' 4.8", -121° 10' 11.6" 45.60132, -121.16988 The Dalles

Comments: Public staging area and boat launch on the left bank of the Columbia River two miles downriver from The Dalles Dam. Notify the Port of The Dalles before staging equipment (541-298-4148).



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	2
Boat Ramp(s)	Asphalt	2
Cell Phone Coverage	Yes	4G LTE Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	100000
Fuel	Yes	
Lot Cover (Primary)	Asphalt	100 %
Parking - Car	Marked	20
Parking - Trailer	Marked	20
Power	Yes	
Restroom	Restroom - Flush	1
User Fee	No	
Waste Disposal	Trash Receptacle	
Water (potable)	Yes	

GRP Response Strategies Served:

B-188.2L, B-186.6L, B-187.3L, B-186.1L, B-192.4L, B-190.1L, B-187.7R, B-188.5R, B-186.8L, B-191.4R, B-189.9L



SA-B-190.0L Photo: From top of boat ramp, looking north to Washington state. Photo was taken in April.

Site Contact

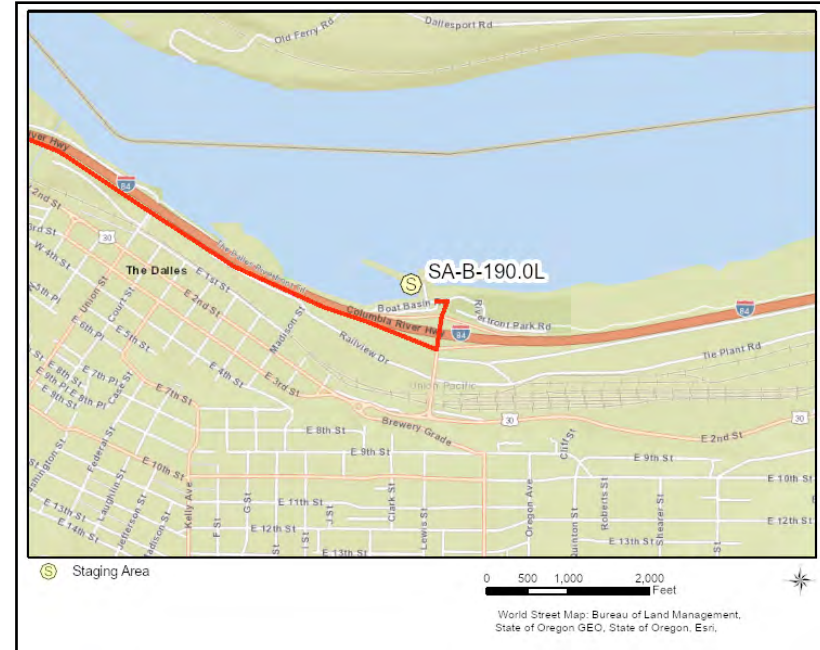
Port of The Dalles

Land/Property Owner :

The Dalles, OR 97058
541-298-4148

Nearest Address

101 North Basin Road
The Dalles, OR 97058



Driving Directions

1. Head east on I-84
2. Take exit 85 on the right toward City Center / The Dalles
3. At the stop sign, turn left on Brewery Overpass Rd
4. Turn left on Riverfront Park Rd

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APPENDIX D

Boat Launch 2-Pagers

Wind River Boat Launch

BL-WIND-0.2L

Boat Launch Location

Position - Location: 45° 43.096', -121° 47.337' 45° 43' 5.8", -121° 47' 20.2" 45.71827, -121.78895 Stevenson

Comments: Public staging area and boat launch on the left bank of the Wind River. Notify Skamania County before staging equipment (509-427-3929).



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Plank	1
Cell Phone Coverage	Yes	4G LTE Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	20000
Fuel	No	
Lot Cover (Primary)	Asphalt	100 %
Parking - Car	Marked	9
Parking - Trailer	Marked	9
Power	No	
Restroom	Restroom - Vault	2
User Fee	Yes	5 \$ daily
Waste Disposal	None	
Water (potable)	No	

GRP Response Strategies Served:

B-154.6R, B-154.7R, B-156.0R, B-155.6L, B-155.5R, B-157.5R, B-155.4R

Wind River Boat Launch

BL-WIND-0.2L



SA-WIND-0.2L Photo: From the top of the boat ramp, looking southwest towards the confluence with the Columbia River. Photo was taken in April.

Site Contact

Skamania County

Municipality (County/City) : Public Works

Stevenson, WA 98648
509-427-3929

Nearest Address

Old Hatchery Road
Stevenson, WA 98648



Driving Directions

DIRECTIONS TO STAGING AREA/BOAT LAUNCH At Wind River Boat Launch (SABL-WIND-0.2L):

1. Head east on WA-14
4. Turn left on Old Hatchery Rd after MP 49
5. Location is at the end of the road

Cascade Locks Marine Park

BL-B-148.3L

Boat Launch Location

Position - Location: 45° 40.040', -121° 53.805' 45° 40' 2.4", -121° 53' 48.3" 45.66733, -121.89675 Cascade Locks

Comments: Well maintained boat launch on the Columbia River.



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Solid	2
Cell Phone Coverage	Yes	Verizon 4G LTE
Covered Spaces	No	
Estimated Lot Size	Square Feet	60000
Fuel	No	
Lot Cover (Primary)	Asphalt	100 %
Parking - Car	Marked	50
Parking - Trailer	Marked	20
Power	Yes	
Restroom	Restroom - Flush	
User Fee	No	
Waste Disposal	Trash Receptacle	2
Water (potable)	Yes	

GRP Response Strategies Served:

B-147.3R, B-146.9R, B-148.7R, B-148.8L



SA-B-148.3L Photo: Port of Cascade Locks boat launch

Site Contact

Port of Cascade Locks

Primary Contact : Property Owner

OR

541-374-8535

Nearest Address

355 Wa Na Pa St
Cascade Locks, OR 97014



Driving Directions

1. Directions to SA-B-148.3L/Thunder Island (Port of Cascade Locks), starting at 47479 State Hwy 14 Stevenson, WA
2. Go southwest on WA-14 (State Road 14)
3. Turn left on Bridge Of The Gods
4. Bear right
5. Make sharp right on US-30 (Wa-Na-Pa St)
6. Turn left at 355 Wa Na Pa St, 97014, to enter the parking area for the boat launch.

Cascade Boat Launch

BL-B-150.7R

Boat Launch Location

Position - Location: 45° 41.650', -121° 52.682' 45° 41' 39.0", -121° 52' 40.9" 45.69416, -121.87804 Stevenson

Comments: Public staging area and boat launch on the right bank of the Columbia River (in the City of Stevenson). Notify the port before staging equipment (509-427-5484).



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Solid	1
Cell Phone Coverage	Yes	4G LTE Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	13000
Fuel	No	
Lot Cover (Primary)	Asphalt	100 %
Parking - Car	Marked	7
Parking - Trailer	Marked	15
Power	No	
Restroom	Restroom - Flush	1
User Fee	No	
Waste Disposal	Trash Receptacle	1
Water (potable)	Yes	

GRP Response Strategies Served:

B-150.5R, B-150.7R, B-150.1R, B-151.5R, B-151.8L

Cascade Boat Launch

BL-B-150.7R



SA-B-150.7R Photo: From top of boat ramp, looking northeast/upriver. Photo was taken in April.

Site Contact

Port of Skamania

Land/Property Contact :
212 SW Cascade
Stevenson, WA 98468
509-427-5484

Nearest Address

10 NE Cascade Ave
Stevenson, WA 98648



Driving Directions

1. Head east on WA-14 (SE Lewis and Clark Hwy)
2. Bear right on SW 1st St
3. At the stop sign, turn right on SW Russell Ave
4. Turn left on SW Cascade Ave
5. Location is on the right

Drano Lake Boat Launch

BL-B-162.4R

Boat Launch Location

Position - Location: 45° 42.626', -121° 38.360' 45° 42' 37.6", -121° 38' 21.6" 45.71044, -121.63934 Bingen

Comments: Public staging area and boat launch on the right bank of the Columbia River (sheltered behind highway and train tracks). Notify Skamania County before staging equipment (509-427-3929).



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	2
Boat Ramp(s)	Concrete, Solid	2
Cell Phone Coverage	Yes	4G LTE Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	35000
Fuel	No	
Lot Cover (Primary)	Asphalt	
Parking - Car	Marked	20
Parking - Trailer	Marked	20
Power	No	
Restroom	Restroom - Vault	1
User Fee	Yes	
Waste Disposal	Trash Receptacle	1
Water (potable)	No	

GRP Response Strategies Served:

B-162.0R, B-160.5L, B-163.8R, B-158.3R, B-161.6R

Drano Lake Boat Launch

BL-B-162.4R



SA-B-162.4R Photo: From top of boat ramps, looking northeast across the lake. Photo was taken in April.

Site Contact

Skamania County

Municipality (County/City) : Public Works

Stevenson, WA 98648
509-427-3929

Nearest Address

57370 WA-14
Bingen, WA 98605



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Drano Lake Boat Launch (SABL-B-162.4R):

1. Head east on I-84 / US-30
2. Location is on the left after mile post 57

Port of Hood River Marina

BL-B-169.8L

Boat Launch Location

Position - Location: 45° 42.740', -121° 30.119' 45° 42' 44.4", -121° 30' 7.1" 45.71233, -121.50198 Hood River

Comments: Public staging area and boat launch on the left bank of the Columbia River. Notify the port before staging equipment (541-387-5544).



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	2
Boat Ramp(s)	Concrete, Solid	2
Cell Phone Coverage	Yes	4G LTE Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	50000
Fuel	Yes	
Lot Cover (Primary)	Asphalt	100 %
Parking - Car	Marked	20
Parking - Trailer	Marked	30
Power	No	
Restroom	Restroom - Portable	1
User Fee	No	
Waste Disposal	Trash Receptacle	1
Water (potable)	Yes	

GRP Response Strategies Served:

B-170.7R, B-167.4R, B-168.5R, B-169.6L, B-169.7L, B-170.8R, B-167.0R, B-167.4L, B-168.4L

Port of Hood River Marina

BL-B-169.8L



SA-B-169.8L Photo: From top of boat ramps, looking northwest towards confluence of Hood and Columbia Rivers. Photo was taken in April.

Site Contact

Port of Hood River Marina

Land/Property Contact :

Hood River, OR 97031
541-387-5544

Nearest Address

1000 E Port Marina Drive
Hood River, OR 97031



Driving Directions

TO STAGING AREA/BOAT LAUNCH at Port of Hood River Marina (SABL-B-169.8L):

1. Head east on I-84 / US-30
2. Take exit 64 on the right to OR-35 toward White Salmon Govt. Camp / Mt. Hood Hwy.
3. At the traffic light, turn left on Hood River Brg (US-30)
4. Turn left on E Port Marina Dr
5. Location straight ahead

Marina Park

BL-B-171.7R

Boat Launch Location

Position - Location: 45° 42.545', -121° 27.429' 45° 42' 32.7", -121° 27' 25.7" 45.70909, -121.45715 Bingen

Comments: Public staging area and boat launch on the right bank of the Columbia River. Notify the port before staging equipment (509-493-1655).



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Solid	2
Cell Phone Coverage	Yes	4G LTE Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	40000
Fuel	No	
Lot Cover (Primary)	Gravel	100 %
Parking - Car	Not Marked	10
Parking - Trailer	Not Marked	20
Power	No	
Restroom	Restroom - Portable	1
User Fee	No	
Waste Disposal	Trash Receptacle	1
Water (potable)	No	

GRP Response Strategies Served:

B-172.7R, B-176.1R, B-171.4R, B-172.2R, B-174.5R, B-174.9L



SA-B-171.7R Photo: From top of boat ramps, looking southeast towards Columbia River. Photo was taken in April.

Site Contact

Port of Klickitat

Land/Property Contact :
154 E Bingen Point Way Ste. A
Bingen, WA 98605
509-493-1655

Nearest Address

1051 E Marina Way
Bingen, WA 98605



Driving Directions

1. Head east on WA-14
2. Turn right on Maple St
3. Turn left on E Marina Way
4. Location is on the right

Mayer State Park (West)

BL-B-180.9L

Boat Launch Location

Position - Location: 45° 40.892', -121° 17.317' 45° 40' 53.5", -121° 17' 19.0" 45.68153, -121.28861 Mosier

Comments: Public staging area and boat launch on the left bank of the Columbia River. Notify the park before staging equipment (541-478-3008).



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Plank	2
Cell Phone Coverage	Yes	4G LTE Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	25000
Fuel	No	
Lot Cover (Primary)	Asphalt	100 %
Parking - Car	Marked	5
Parking - Trailer	Marked	20
Power	No	
Restroom	Restroom - Vault	1
User Fee	Yes	
Waste Disposal	Trash Receptacle	2
Water (potable)	No	

GRP Response Strategies Served:

B-183.9L, B-181.0L, B-178.7L, B-181.1R, B-183.4R, B-177.8R, B-179.9R, B-181.4L, B-180.5R, B-182.6L



SA-B-180.9L Photo: From parking lot, looking southeast at cove.
Photo was taken in April.

Site Contact

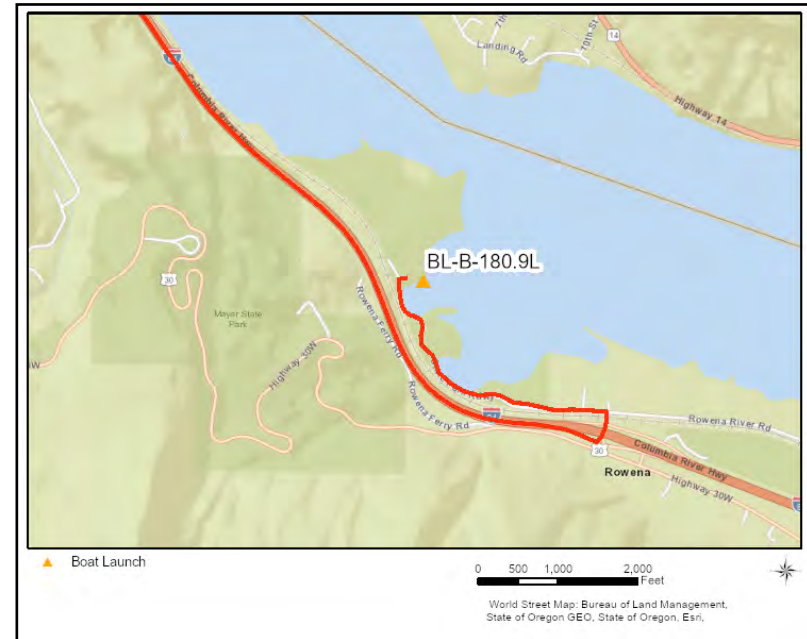
Mayer State Park

Land/Property Contact :

Mosier, OR 97040
541-478-3008

Nearest Address

6500 Rowena Ferry Rd
Mosier, OR 97040



Driving Directions

1. Head east on I-84
2. Take exit 76 on the right and turn left at bottom of offramp
3. Turn left on Rowena River Rd
4. Location is on the right

The Dalles Marina

BL-B-190.0L

Boat Launch Location

Position - Location: 45° 36.079', -121° 10.193' 45° 36' 4.8", -121° 10' 11.6" 45.60132, -121.16988 The Dalles

Comments: Public staging area and boat launch on the left bank of the Columbia River two miles downriver from The Dalles Dam. Notify the Port of The Dalles before staging equipment (541-298-4148).



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	2
Boat Ramp(s)	Asphalt	2
Cell Phone Coverage	Yes	4G LTE Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	100000
Fuel	Yes	
Lot Cover (Primary)	Asphalt	100 %
Parking - Car	Marked	20
Parking - Trailer	Marked	20
Power	Yes	
Restroom	Restroom - Flush	1
User Fee	No	
Waste Disposal	Trash Receptacle	
Water (potable)	Yes	

GRP Response Strategies Served:

B-188.2L, B-186.6L, B-187.3L, B-186.1L, B-192.4L, B-190.1L, B-187.7R, B-187.1L, B-188.5R, B-186.8L, B-191.4R, B-189.9L



SA-B-190.0L Photo: From top of boat ramp, looking north to Washington state. Photo was taken in April.

Site Contact

Port of The Dalles

Land/Property Owner :

The Dalles, OR 97058
541-298-4148

Nearest Address

101 North Basin Road
The Dalles, OR 97058



Driving Directions

1. Head east on I-84
2. Take exit 85 on the right toward City Center / The Dalles
3. At the stop sign, turn left on Brewery Overpass Rd
4. Turn left on Riverfront Park Rd