

# **CLARK, COWLITZ, SOUTHWEST LEWIS**

## **Geographic Response Plan**

**(CCSWL-GRP)**

### **Response Strategies and Priorities**

**January 2023**

## **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

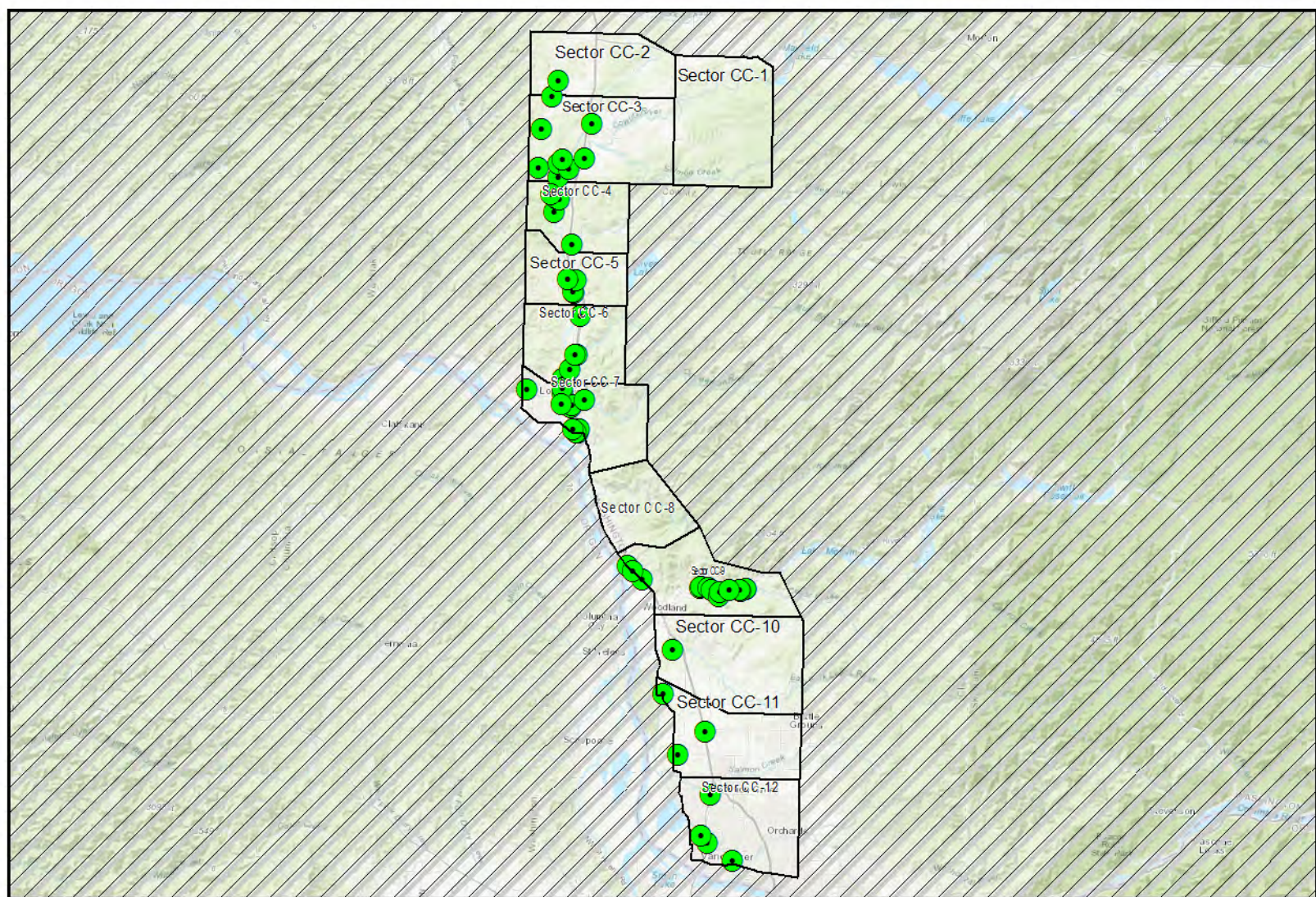
#### *Before Deploying a GRP Strategy*

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 Clark, Cowlitz, SW Lewis 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.



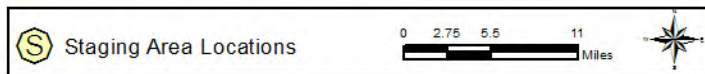
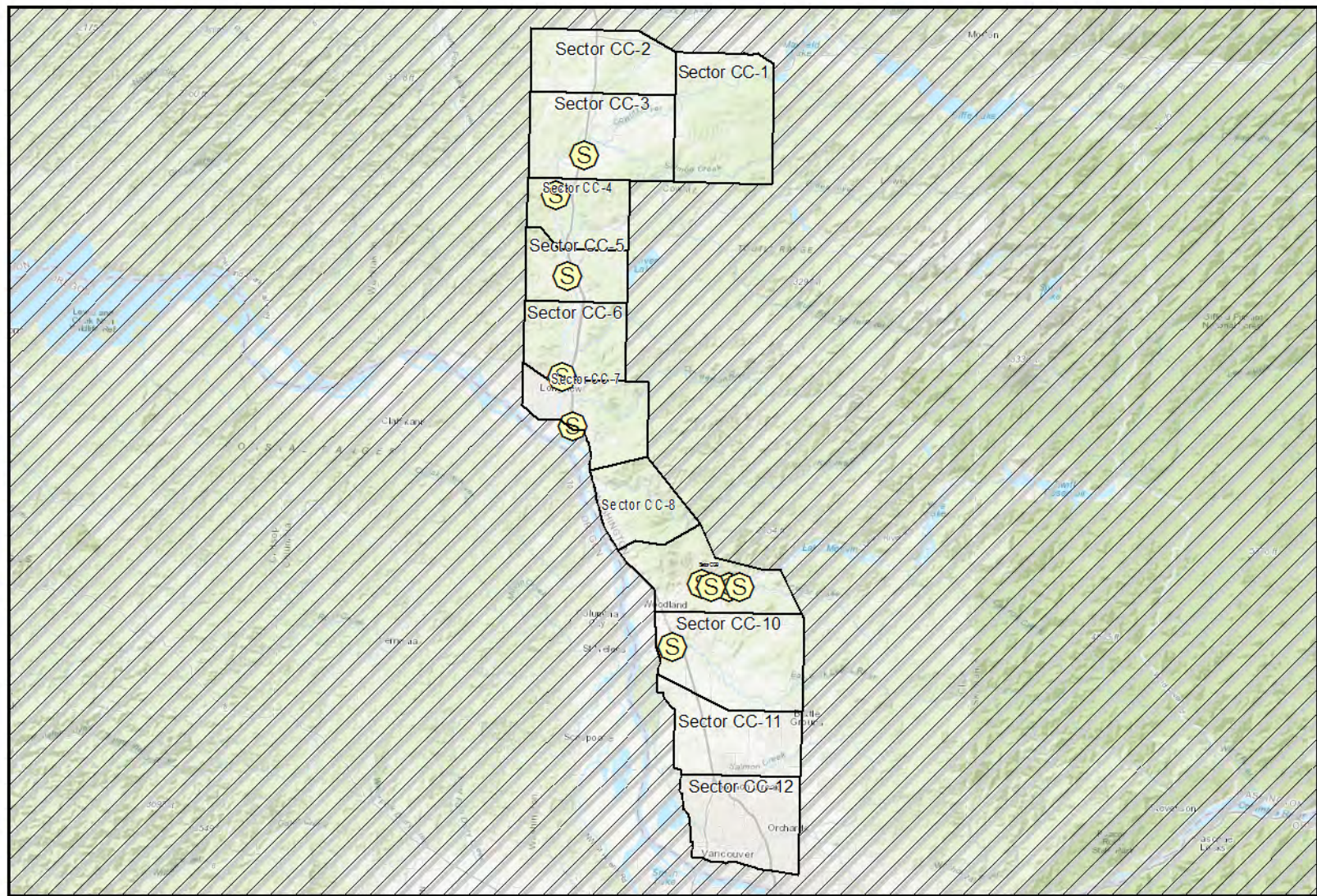


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI,







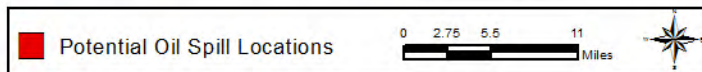
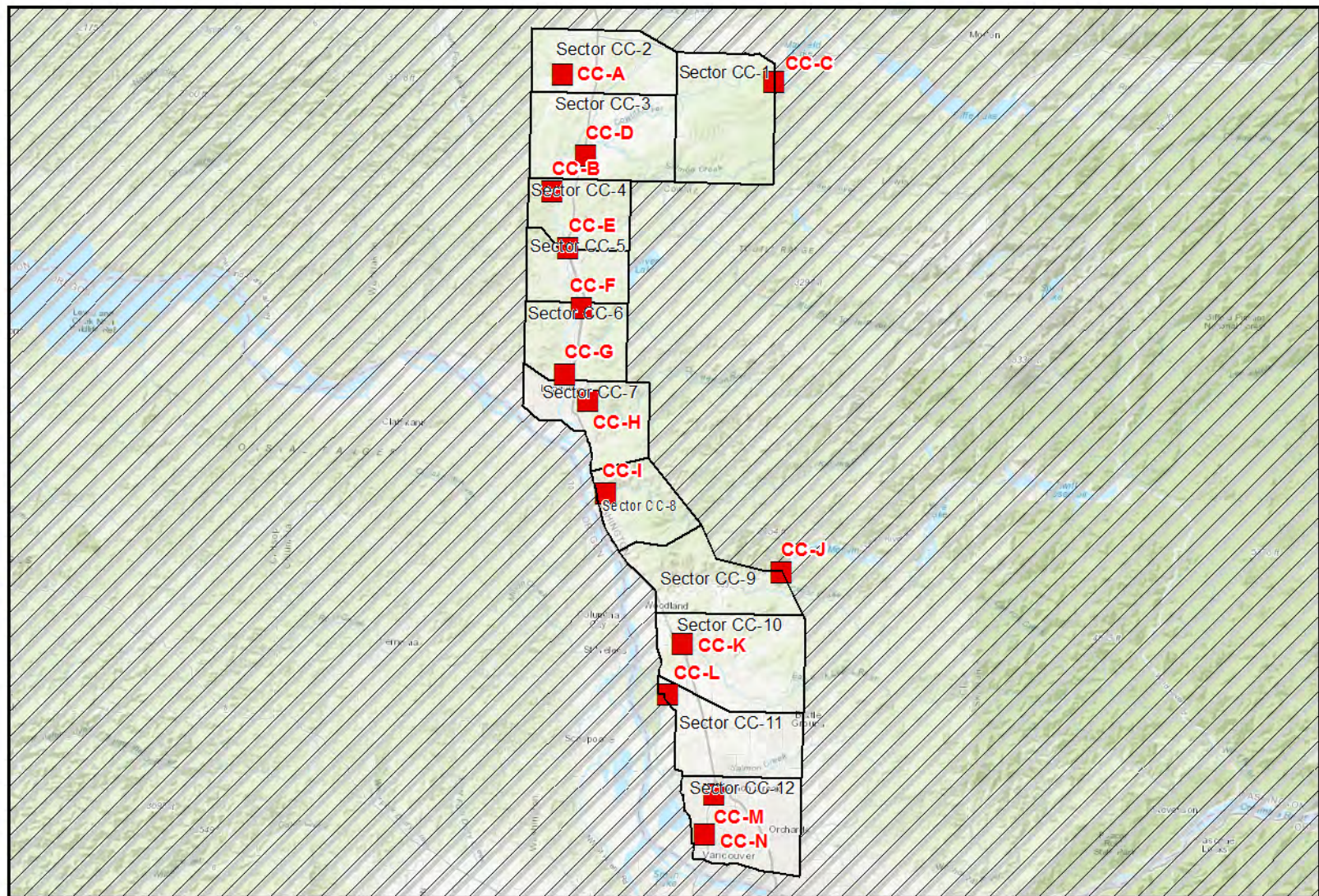


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI,









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## 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 CC-A through CC-N. 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***

CC-A (Olequa Creek in Winlock)				
Implementation Priority	Strategy Number	Sector Map	Strategy Details (Page #)	Comments
1	OLQAC-4.3L	Sector CC-3	169	
2	OLQAC-7.9L	Sector CC-3	171	
3	OLQAC-10.9L	Sector CC-3	173	
4	OLQAC-12.4R	Sector CC-2	175	
5	OLQAC-3.7R	Sector CC-3	167	
6	OLQAC-0.5L	Sector CC-4	165	
7	CWLZR-23.6R	Sector CC-4	101	

CC-B (Olequa Creek at Westside Highway)				
Implementation Priority	Strategy Number	Sector Map	Strategy Details (Page #)	Comments
1	CWLZR-17.4L	Sector CC-5	97	
2	CWLZR-17.6R	Sector CC-5	99	
3	CWLZR-23.6R	Sector CC-4	101	
4	OLQAC-0.5L	Sector CC-4	165	
5	CWLZR-15.9L	Sector CC-5	95	
6	CWLZR-15.8R	Sector CC-5	93	



CC-C (Cowlitz River below Mayfield Dam)				
Implementation Priority	Strategy Number	Sector Map	Strategy Details (Page #)	Comments
1	CWLZR-29.9L	Sector CC-3	111	
2	CWLZR-28.4L	Sector CC-3	109	
3	CWLZR-27.3R	Sector CC-3	107	
4	CWLZR-26.5L	Sector CC-3	105	
5	CWLZR-24.7L	Sector CC-4	103	
6	CWLZR-23.6R	Sector CC-4	101	

CC-D (Cowlitz River at I-5)				
Implementation Priority	Strategy Number	Sector Map	Strategy Details (Page #)	Comments
1	CWLZR-17.6R	Sector CC-5	97	
2	CWLZR-23.6R	Sector CC-4	101	
3	CWLZR-24.7L	Sector CC-4	103	
4	CWLZR-26.5L	Sector CC-3	105	
5	CWLZR-27.3R	Sector CC-3	107	
6	CWLZR-28.4L	Sector CC-3	109	
7	CWLZR-29.9L	Sector CC-3	111	

CC-E (Toutle River at I-5)				
Implementation Priority	Strategy Number	Sector Map	Strategy Details (Page #)	Comments
1	CWLZR-15.8R	Sector CC-5	93	
2	CWLZR-15.9L	Sector CC-5	95	
3	CWLZR-17.4L	Sector CC-5	97	
4	CWLZR-17.6R	Sector CC-5	99	
5	CWLZR-7.4L	Sector CC-6	91	

<b>CC-F (Cowlitz River below Castle Rock)</b>				
<b>Implementation Priority</b>	<b>Strategy Number</b>	<b>Sector Map</b>	<b>Strategy Details (Page #)</b>	<b>Comments</b>
1	<b>CWLZR-7-4L</b>	Sector CC-6	91	
2	<b>CWLZR-6.4R</b>	Sector CC-6	89	
3	<b>CWLZR-5.6L</b>	Sector CC-7	87	
4	<b>CWLZR-5.2R</b>	Sector CC-7	85	
5	<b>CWLZR-4.3L</b>	Sector CC-7	83	

<b>CC-G (Cowlitz River at Kelso/Longview)</b>				
<b>Implementation Priority</b>	<b>Strategy Number</b>	<b>Sector Map</b>	<b>Strategy Details (Page #)</b>	<b>Comments</b>
1	<b>CWLZR-1.6R</b>	Sector CC-7	81	
2	<b>CWLZR-4.3L</b>	Sector CC-7	83	
3	<b>CWLZR-5.2R</b>	Sector CC-7	85	
4	<b>CWLZR-5.6L</b>	Sector CC-7	87	
5	<b>CWLZR-6.4R</b>	Sector CC-6	89	
6	<b>CWLZR-1.3L</b>	Sector CC-7	79	

<b>CC-H (Coweeman River above I-5)</b>				
<b>Implementation Priority</b>	<b>Strategy Number</b>	<b>Sector Map</b>	<b>Strategy Details (Page #)</b>	<b>Comments</b>
1	<b>CWLZR-1.3L</b>	Sector CC-7	79	
2	<b>CWMR-0.1L</b>	Sector CC-7	115	
3	<b>CWMR-0.2R</b>	Sector CC-7	117	
4	<b>CWMR-0.4L</b>	Sector CC-7	119	
5	<b>CWMR-1.4R</b>	Sector CC-7	121	
6	<b>CWMR-1.6L</b>	Sector CC-7	123	

CC-I (Kalama River above I-5)				
Implementation Priority	Strategy Number	Sector Map	Strategy Details (Page #)	Comments
1	KLMAR-0.7	<a href="#">LCR-GRP</a>		
2	LCR-71.5M	<a href="#">LCR-GRP</a>		
3	LCR-71.6R	<a href="#">LCR-GRP</a>		
4	LCR-73.7L	<a href="#">LCR-GRP</a>		

<b>CC-J (Lewis River below Merwin Dam)</b>				
<b>Implementation Priority</b>	<b>Strategy Number</b>	<b>Sector Map</b>	<b>Strategy Details (Page #)</b>	<b>Comments</b>
1	<b>LEWR-16.1bR</b>	Sector CC-9	161	
2	<b>LEWR-15.5aR</b>	Sector CC-9	153	
3	<b>LEWR-12.5R</b>	Sector CC-9	145	
4	<b>LEWR-12.2R</b>	Sector CC-9	143	
5	<b>LEWR-13.3L</b>	Sector CC-9	147	
6	<b>LEWR-13.8L</b>	Sector CC-9	149	
7	<b>LEWR-14.7L</b>	Sector CC-9	151	

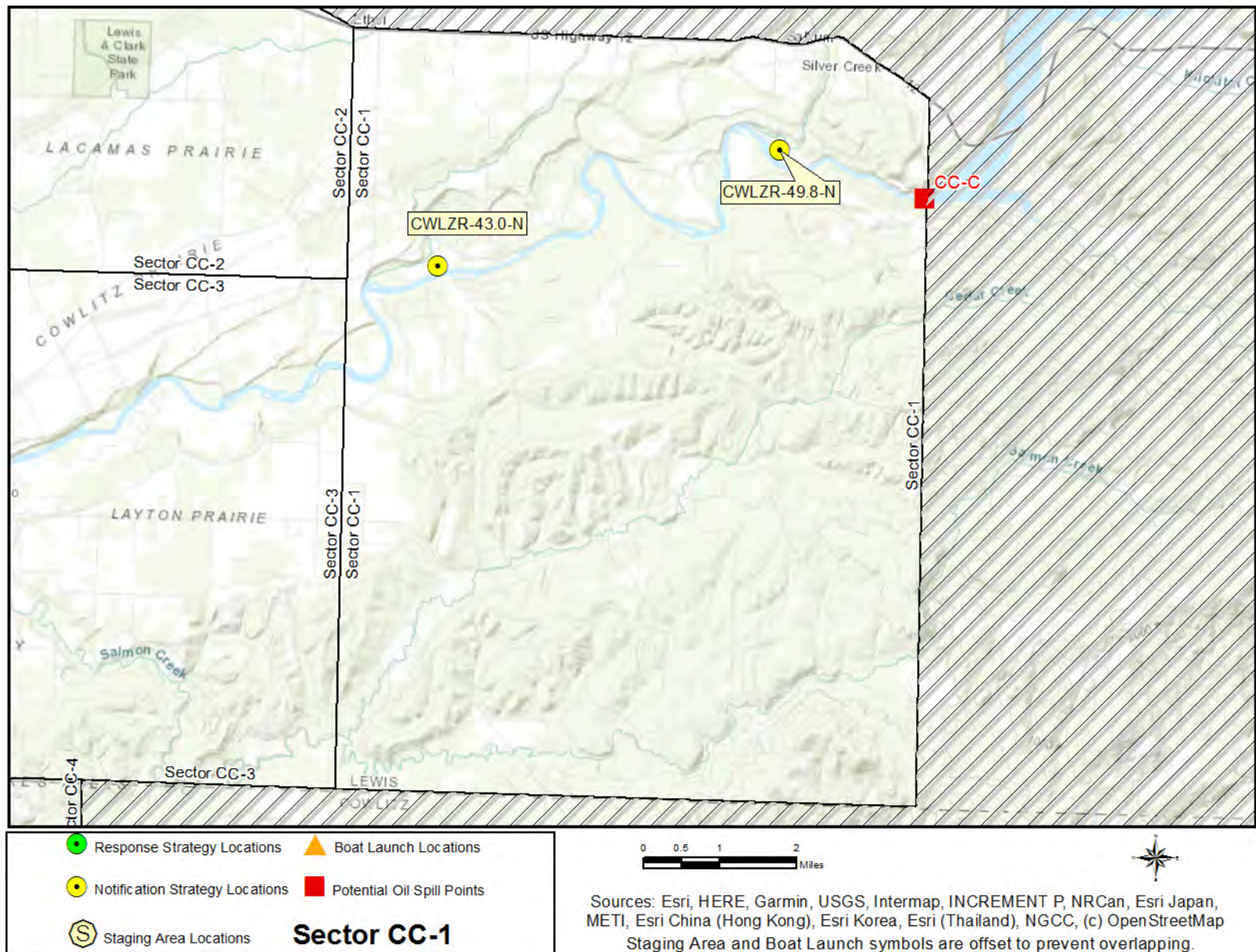


CC-K (East Fork Lewis River at I-5)				
Implementation Priority	Strategy Number	Sector Map	Strategy Details (Page #)	Comments
1	LEWR-0.4	<a href="#">LCR-GRP</a>		
2	LEWR-3.3R	Sector CC-10	137	

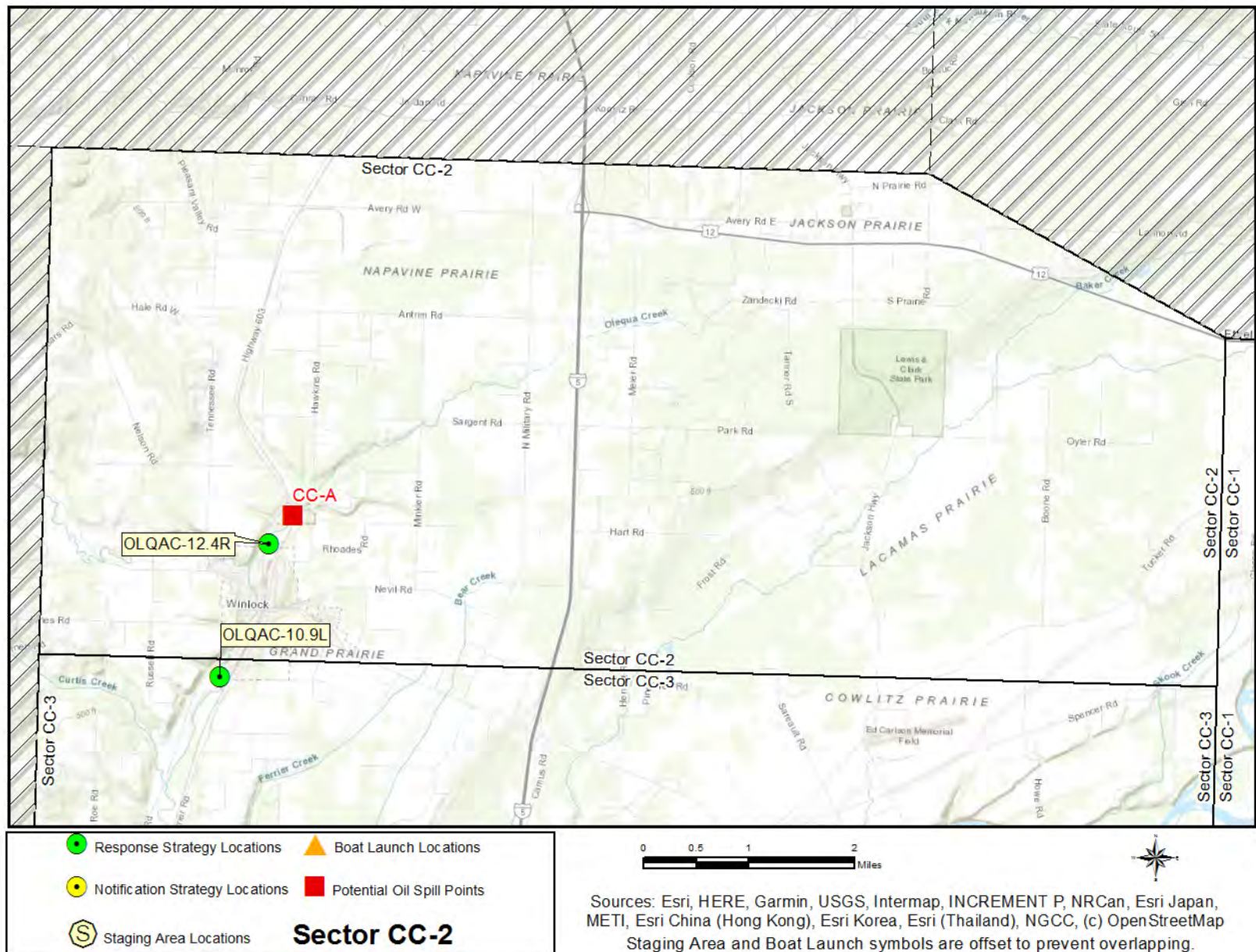
CC-L (Gee Creek in Ridgefield)				
Implementation Priority	Strategy Number	Sector Map	Strategy Details (Page #)	Comments
1	<b>GEEC-4.7</b>	Sector CC-11	127	
2	<b>GEEC-10.0</b>	Sector CC-11	129	

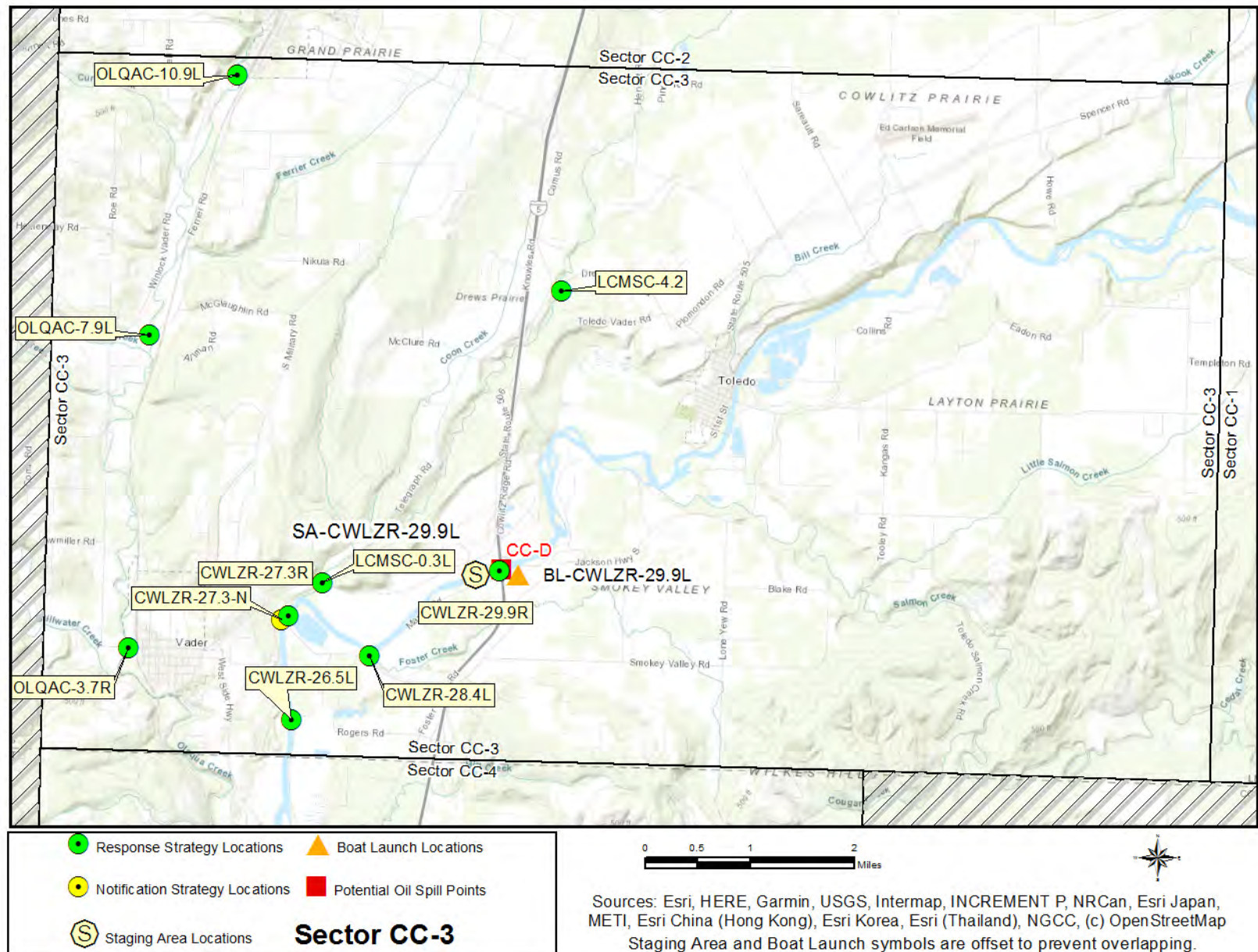
CC-M (Salmon Creek at I-5)				
Implementation Priority	Strategy Number	Sector Map	Strategy Details (Page #)	Comments
1	SALMC-5.6	Sector CC-12	183	
2	LKRVR-10.8	<a href="#">LCR-GRP</a>		

CC-N (Burnt Bridge Creek below I-5)				
Implementation Priority	Strategy Number	Sector Map	Strategy Details (Page #)	Comments
1	BRBRC-6.2	Sector CC-12	69	
2	BRBRC-7.3	Sector CC-12	71	
3	BRBRC-10.4	Sector CC-12	73	

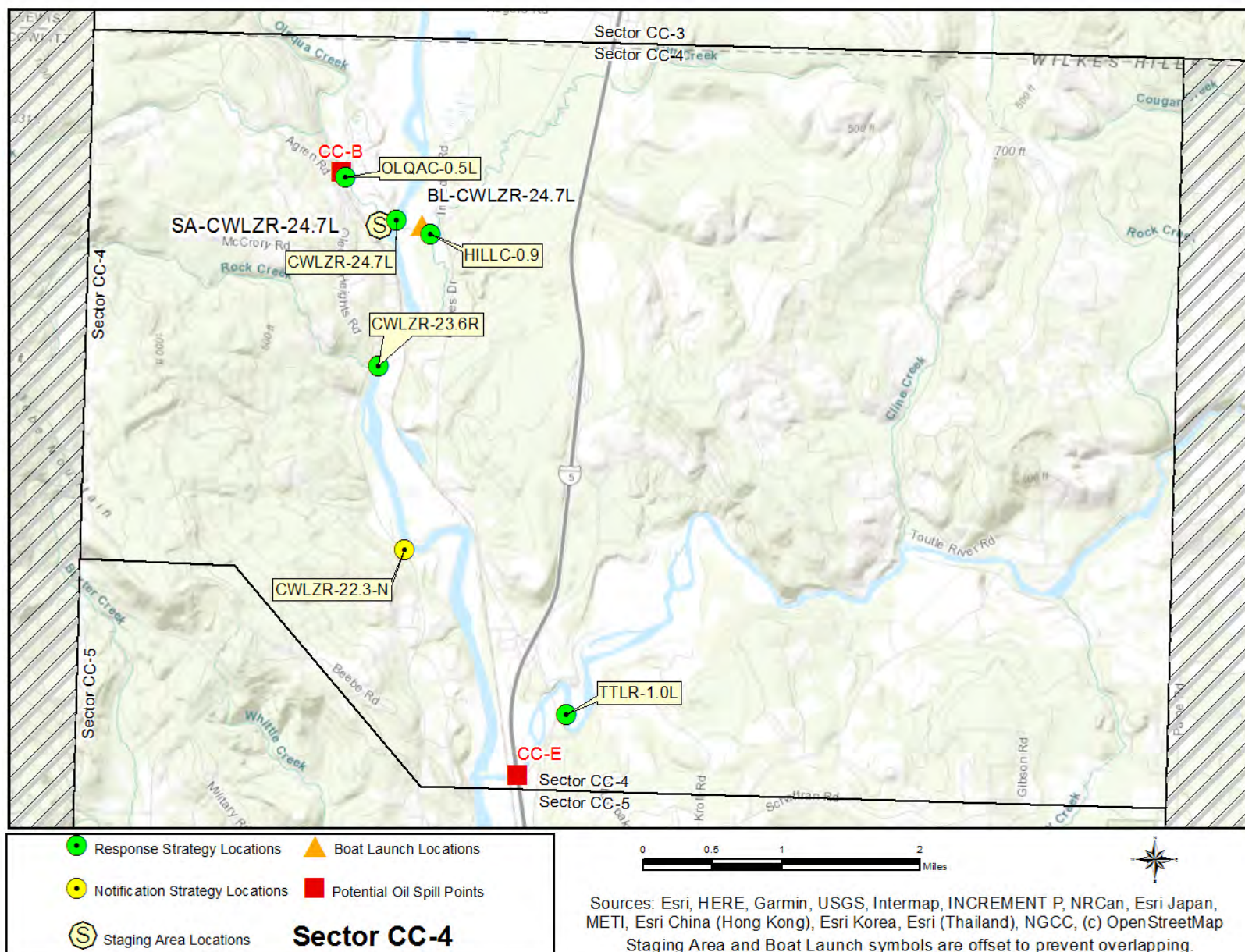




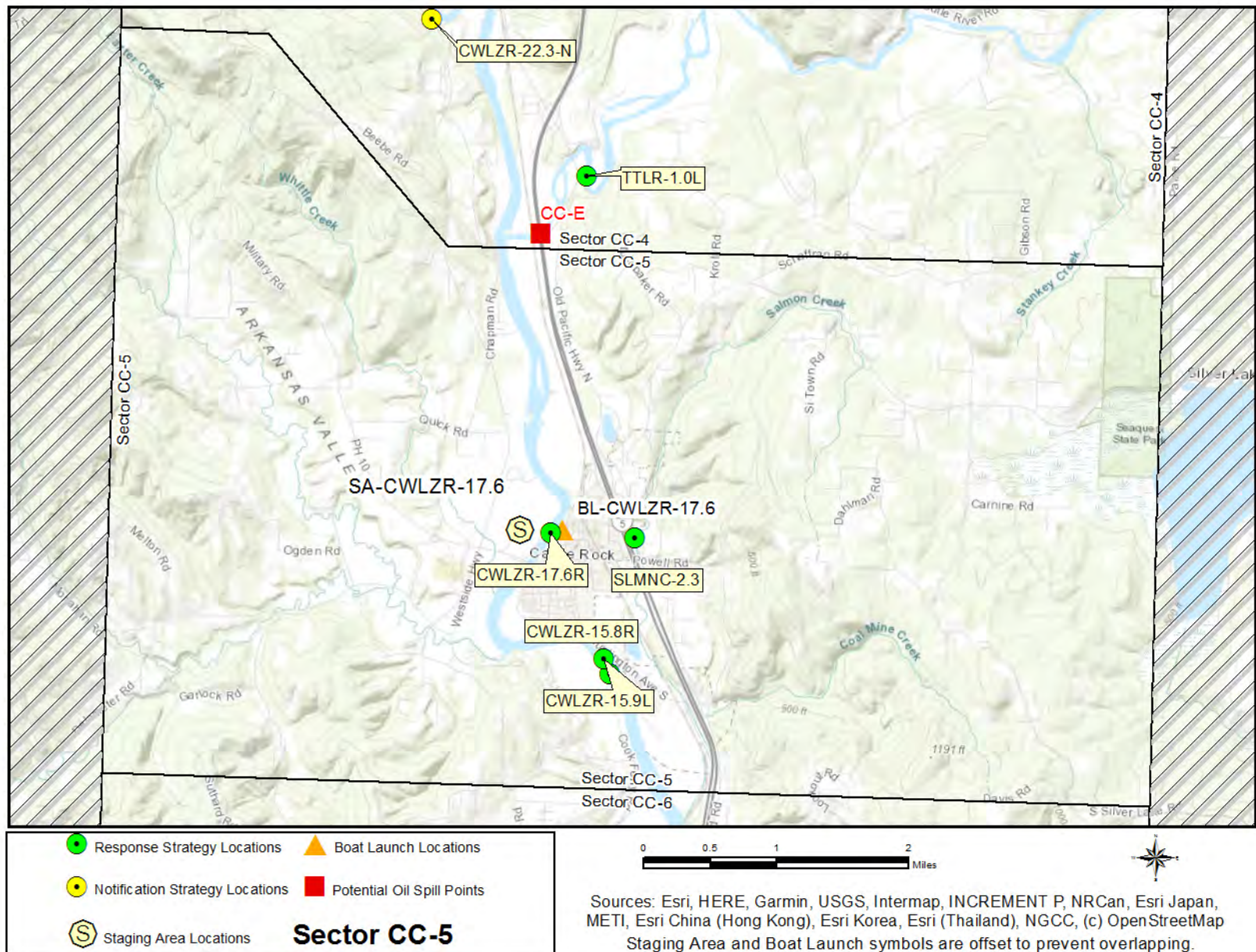




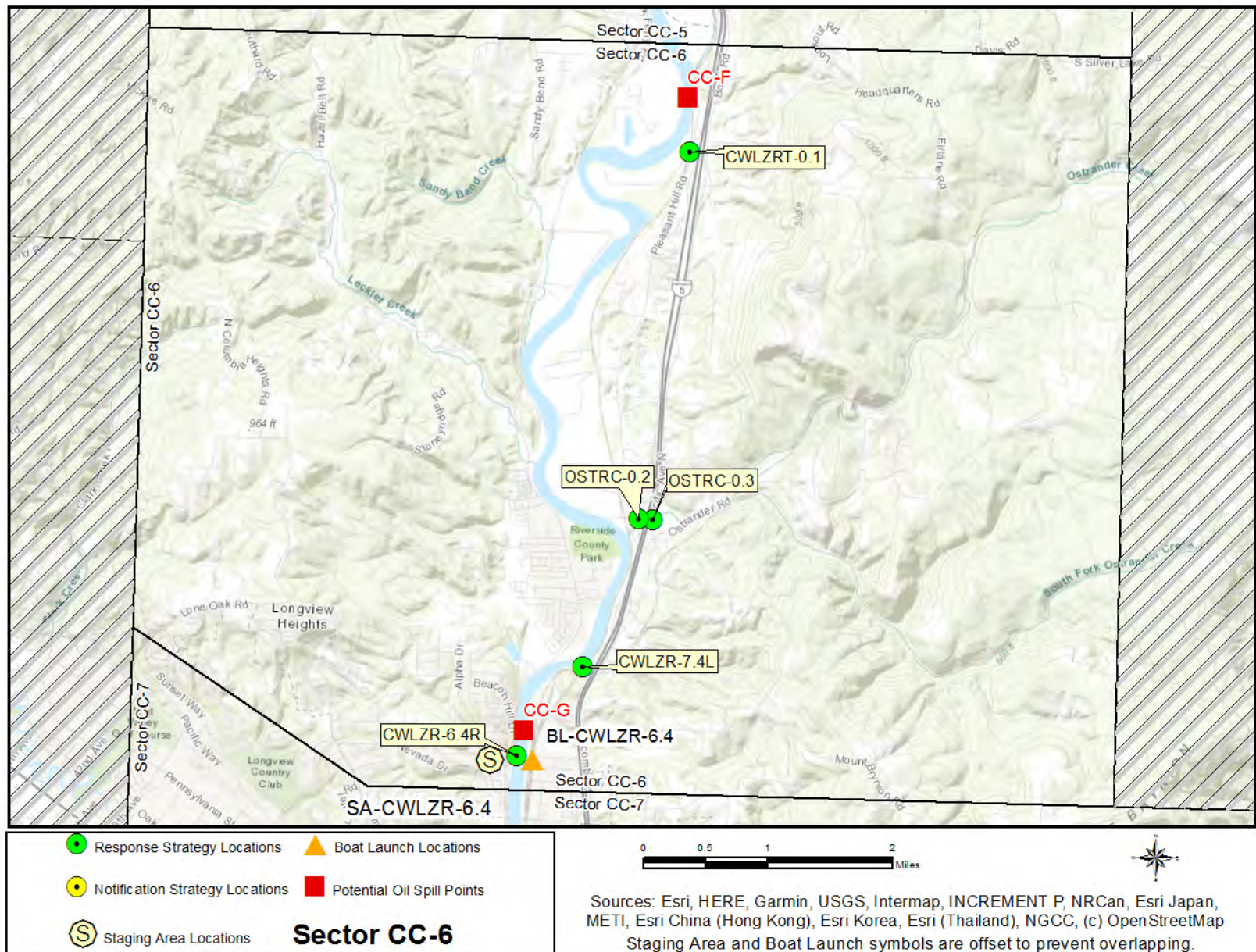




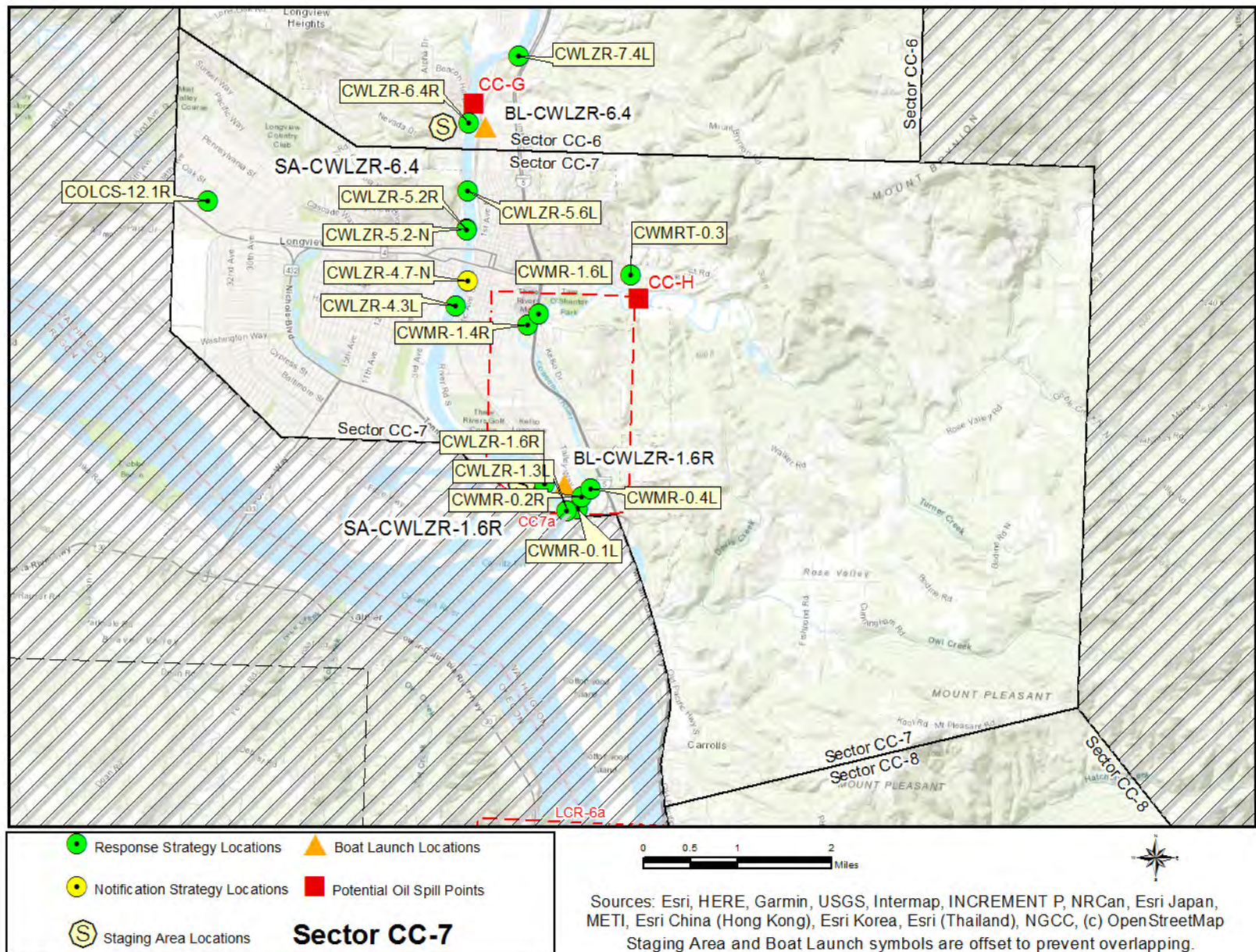




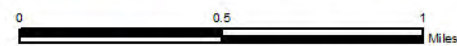
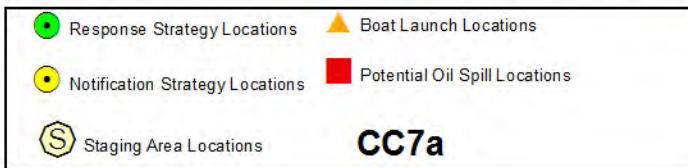
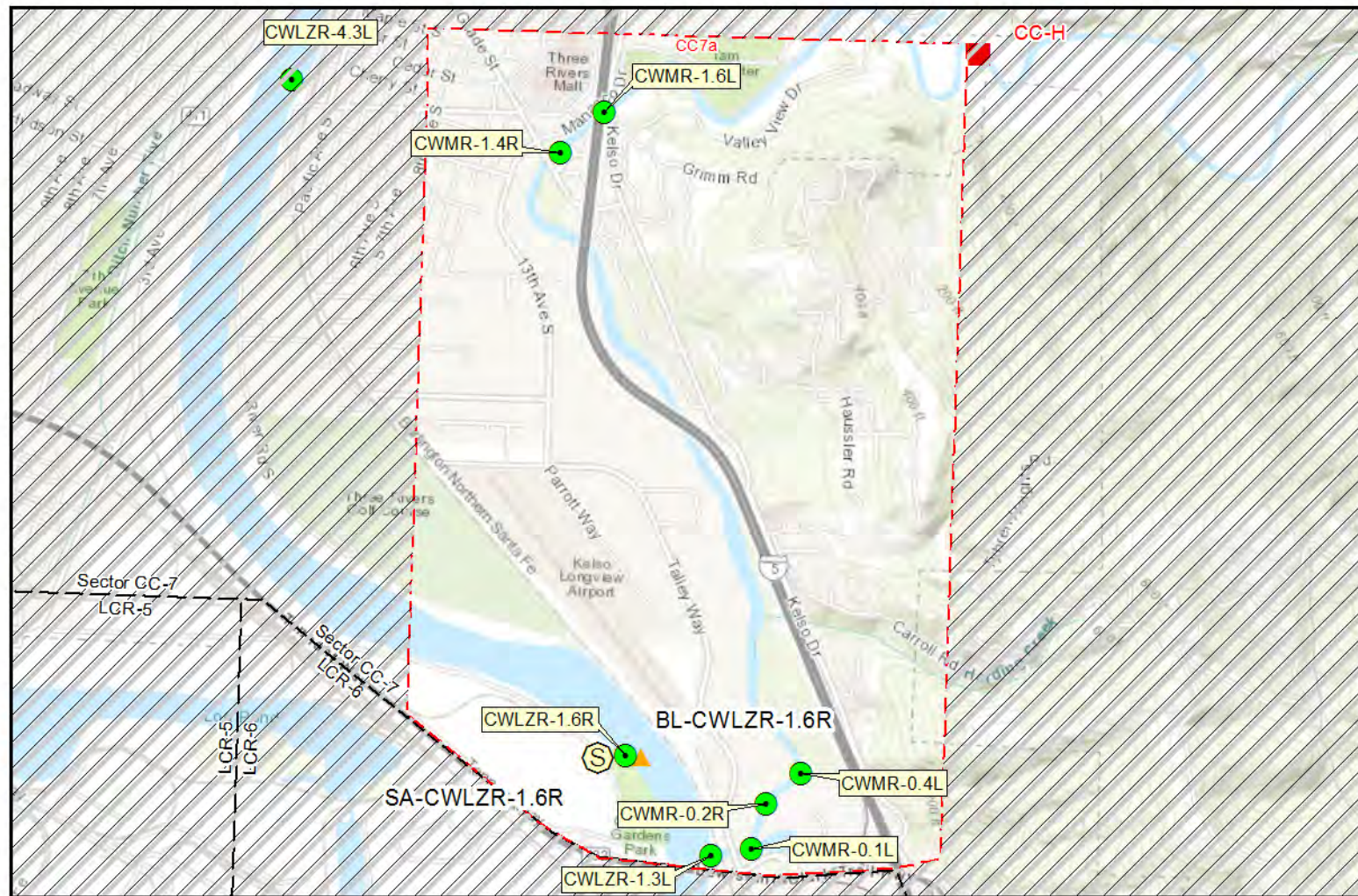








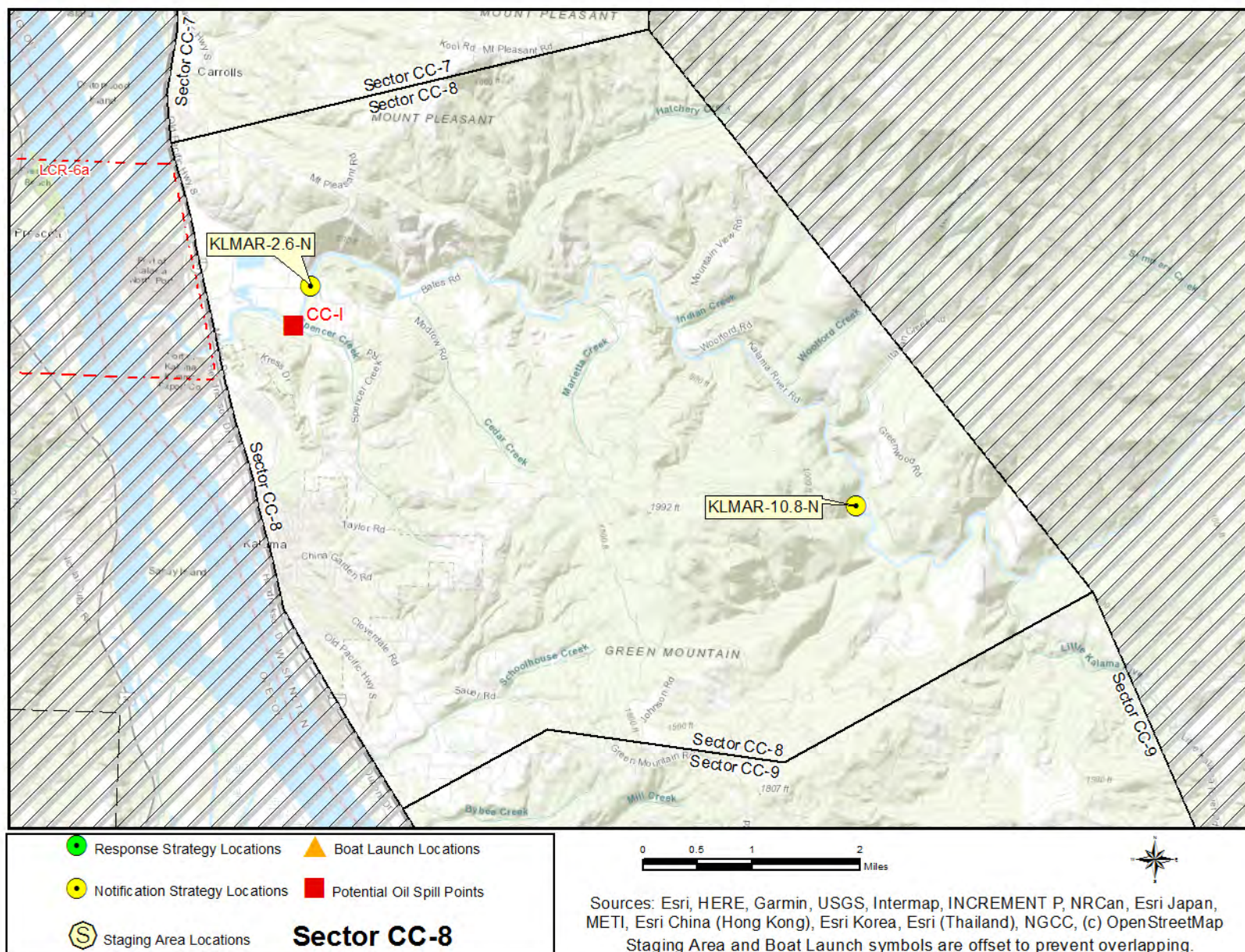




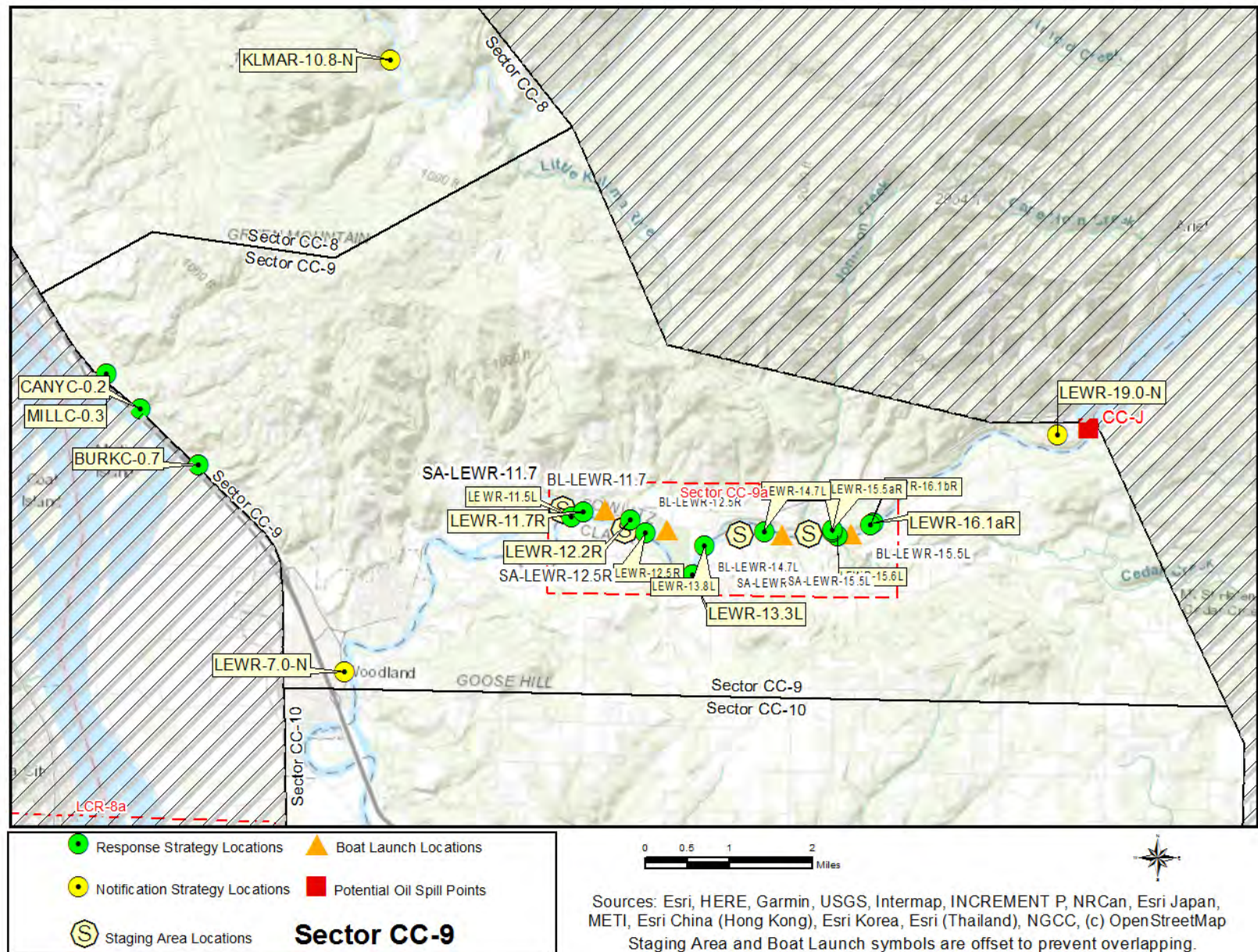
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri

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

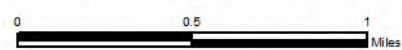
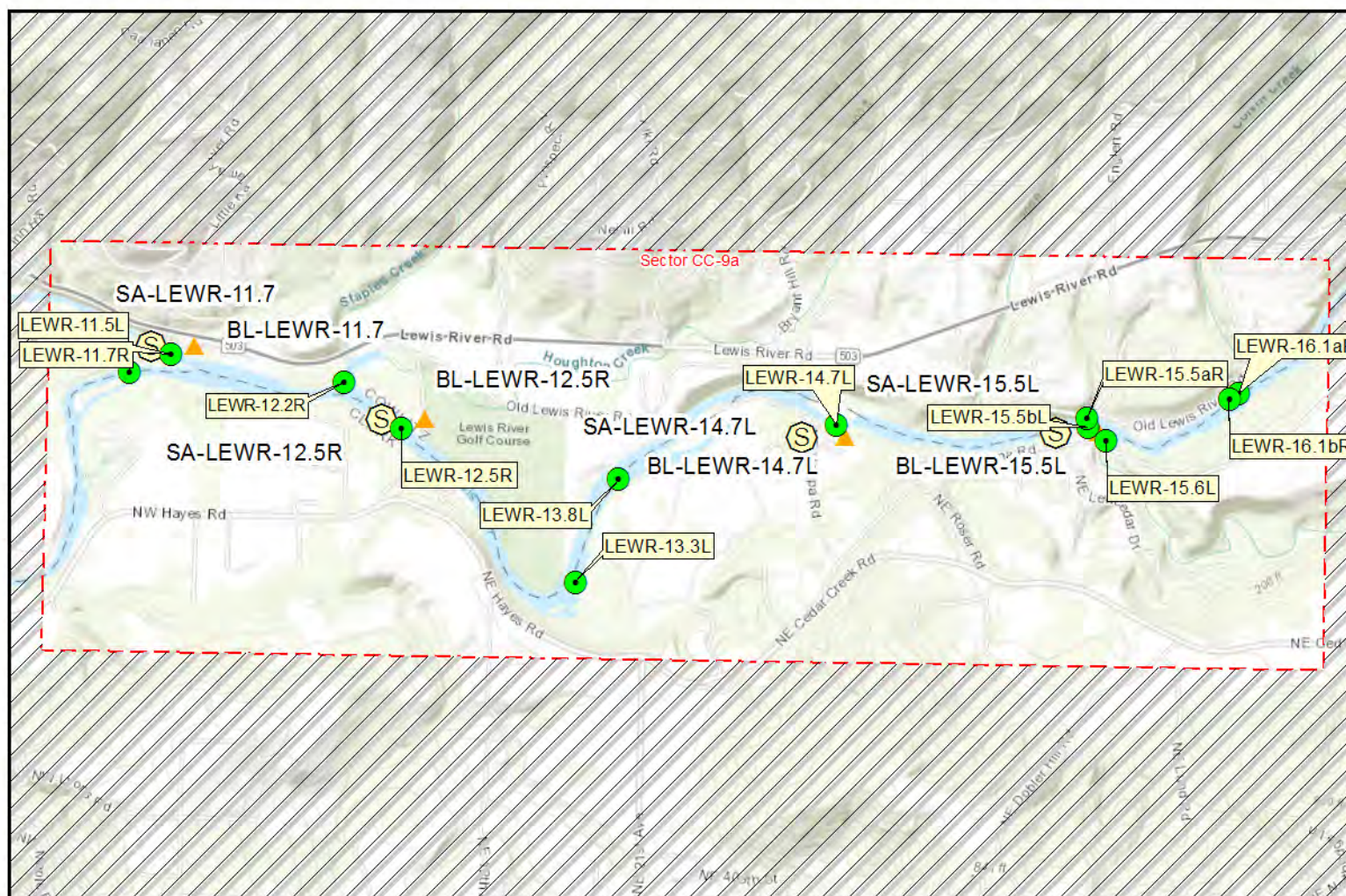








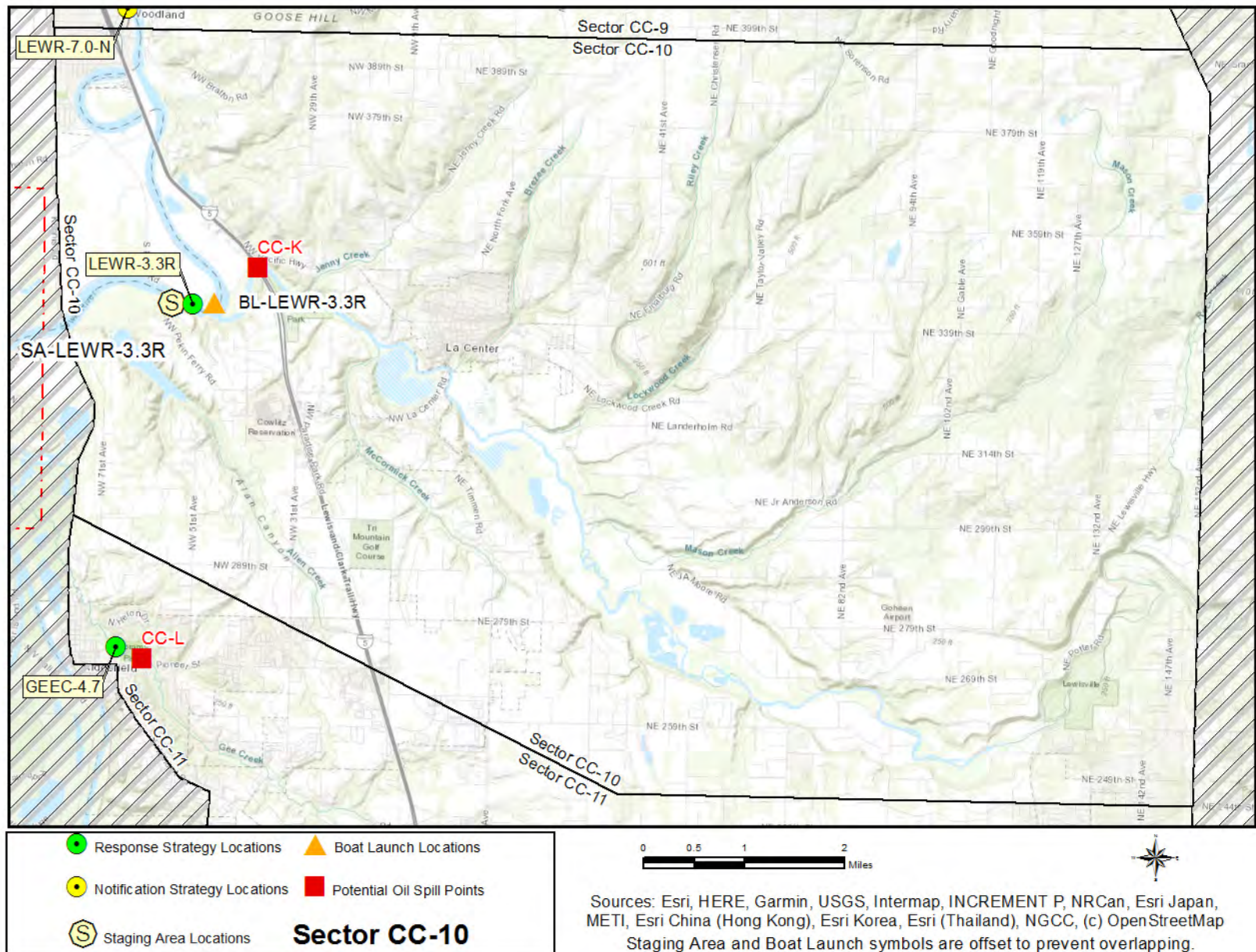




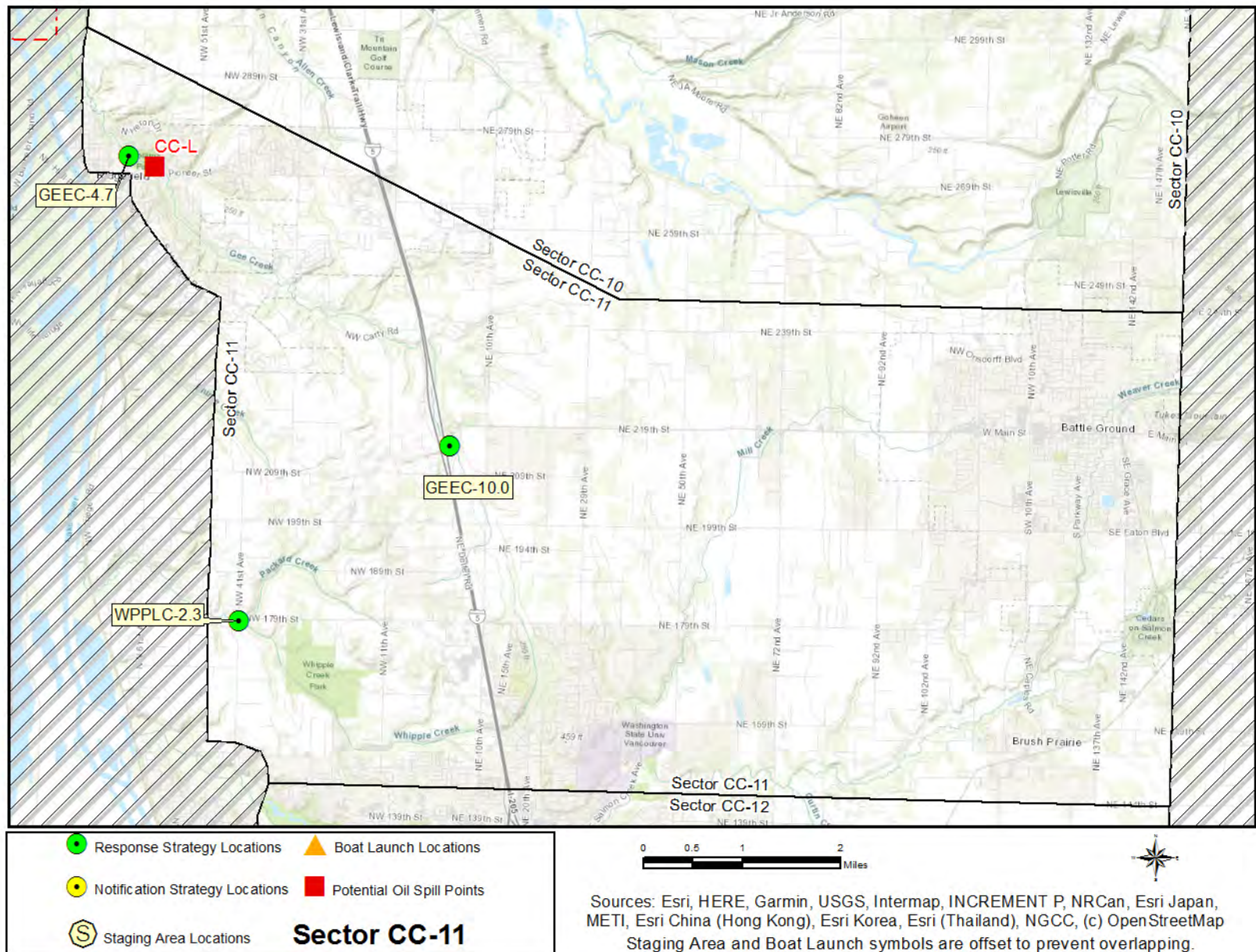
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DRAFT. Staging Area and Boat Launch symbols are offset to prevent overlapping.

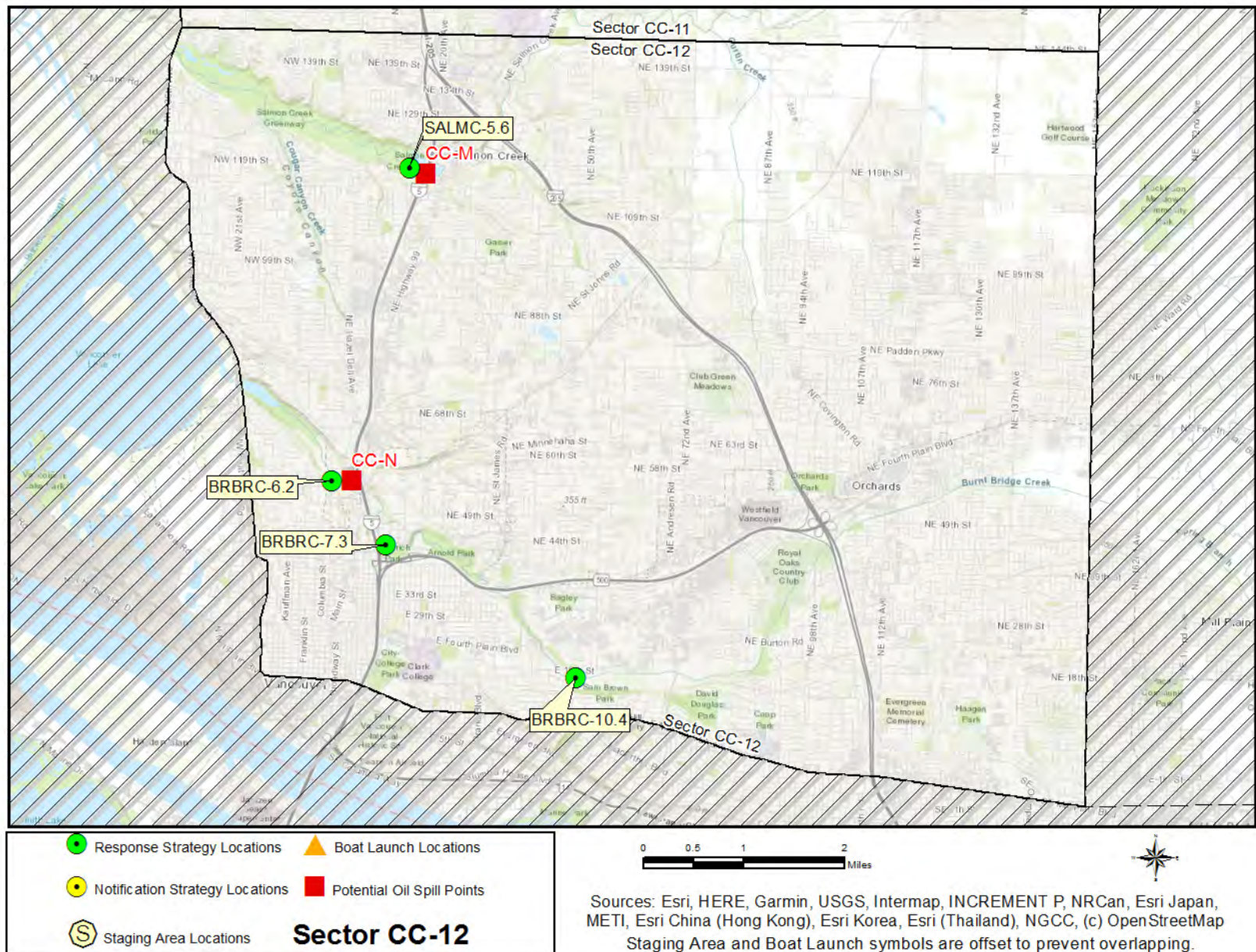








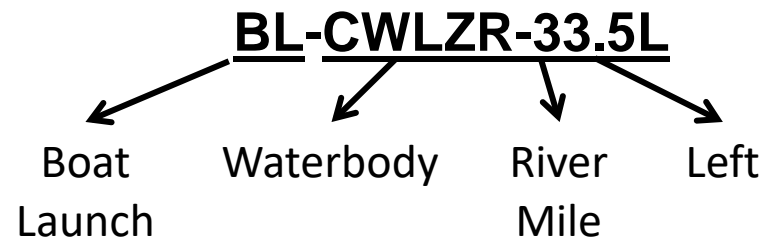




## MATRICES

### 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. On lakes, the numbers indicate the location by shoreline mile, typically starting at the northernmost point and increasing clockwise around the lake. In marine areas, the numbers do not have a geographic meaning. 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:

BRBRC = Burnt Bridge Creek  
BURKC = Burke Creek  
CANYC = Canyon Creek  
COLCS = Coal Creek Slough  
CWLZR = Cowlitz River  
MILLC = Mill Creek

SALMC = Salmon Creek  
WPPLC = Whipple Creek  
N = Notification Strategy  
SA = Staging Area  
BL = Boat Launch  
M = River Middle

Hydro-Schematic Diagram for the Clark, Cowlitz, SW Lewis GRP		
Right Bank (R)	Cowlitz River	Left Bank (L)
Lacamas Creek (LCMSC)	27.6	Hill Creek (HILLC) Toutle River (TTLR) Salmon Creek (SLMNC) Cowlitz tributary (CWLZRT) Ostrander Creek (OSTRC) Coweeman River (CWMR)
Olequa Creek (OLQAC)	24.7	
	24.0	
	20.0	
	14.6	
	13.9	
	8.7	
	1.3	
	Columbia River	
BRBRC, SALMC, & WPPLC (via Lake River)	87.4	
Gee Creek (GEEC)	87.2	
Lewis River (LEWR)	86.9	
BURKC, CANYC, & MILLC (via Martin Slough)	79.1	

## Response Strategy Matrices

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
<b>BRBRC-6.2</b>	Burnt Bridge Creek at Alki Road 45.66135 -122.67218	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids, Waterfowl	Call Clark County before deployment (360-992-6285).	Sector CC-12	67
<b>BRBRC-7.3</b>	Burnt Bridge Creek at Leverich Park 45.65231 -122.66074	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids, Waterfowl	Call Clark County Parks before deployment (56#397-2285).	Sector CC-12	69
<b>BRBRC-10.4</b>	Burnt Bridge Creek at East 18th Street 45.63378 -122.62078	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids, Waterfowl	Strategy is next to the Thunderbird Village apartment complex. Call Clark County before deployment (360-992-6285).	Sector CC-12	71
<b>BURKC-0.7</b>	Burke Creek at South Cloverdale Road 45.94522 -122.77809	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Salmonids, Waterfowl	There is a gradual path to the creek on the southwest side of the bridge. Call Cowlitz County before deployment (360-577-3130).	Sector CC-9	73
<b>CANYC-0.2</b>	Canyon Creek at South Cloverdale Road 45.95479 -122.79271	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids	Call Cowlitz County before deployment (360-577-3130).	Sector CC-9	75

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
<b>COLCS-12.1R</b>	Coal Creek Slough at 34 <sup>th</sup> Ave	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Waterfowl	Call Cowlitz County before deployment (360-577-3130).	Sector CC-7	77
<b>CWLZR-1.3L</b>	Coweeman River Confluence with Cowlitz River 46.10746 -122.89026	Deflection	Boom 300ft	Yes	Remote Stage equipment at SA-CWLZR-1.6R Gerhart Gardens Park (40 Tennant Way, Longview, WA 98632).	Resident Fish, Salmonids	Call Cowlitz County before deployment (360-577-3130). You may wish to contact BNSF Railway to coordinate activities given proximity of rail.	Sector CC-7	79
<b>CWLZR-1.6R</b>	Gerhart Gardens Park 46.11141 -122.89544	Collection	Boom 600ft	Yes	Onsite Stage equipment at SA-CWLZR-1.6R Gerhart Gardens Park (40 Tennant Way, Longview, WA 98632).	Resident Fish, Salmonids	Call City of Longview before deployment (360-442-5421).	Sector CC-7	81
<b>CWLZR-4.3L</b>	Cowlitz River Left Bank River Mile 4.3 46.13857 -122.91627	Collection	Boom 500ft	Yes	Remote Stage equipment at SA-CWLZR-6.4 Westside Highway in Kelso (829 Westside Hwy, Kelso, WA 98626).	Resident Fish, Salmonids	Call Cowlitz County before deployment (360-577-3130). To collect oil, the vac truck will have to drive to the area near anchor point A (Mill St in Kelso).	Sector CC-7	83

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
<b>CWLZR-5.2R</b>	City of Longview Water Intakes 46.15036 -122.91441	Exclusion	Boom 200ft	Yes	Remote Stage equipment at SA-CWLZR-6.4 Westside Highway in Kelso (829 Westside Hwy, Kelso, WA 98626).	Economic Resource, Water Intakes	Call City of Longview before deployment (360-442-5209). This location is also a notification strategy.	Sector CC-7	85
<b>CWLZR-5.6L</b>	Cowlitz River Left Bank River Mile 5.6 46.15629 -122.91439	Collection	Boom 900ft	Yes	Remote Stage equipment at SA-CWLZR-6.4R Westside Highway in Kelso (829 Westside Hwy, Kelso, WA 98626).	Resident Fish, Salmonids	Call City of Kelso before deployment (360-577-3130). The property at anchor point A is managed by the city.	Sector CC-7	87
<b>CWLZR-6.4R</b>	Cowlitz River Right Bank River Mile 6.4 46.16673 -122.91480	Collection	Boom 500ft	Yes	Onsite Stage equipment at SA-CWLZR-6.4 Westside Highway in Kelso (829 Westside Hwy, Kelso, WA 98626).	Resident Fish, Salmonids	Call Cowlitz County before deployment (360-577-3130).	Sector CC-6	89
<b>CWLZR-7.4L</b>	Cowlitz River Left Bank River Mile 7.4 46.17736 -122.90415	Collection	Boom 500ft	Yes	Remote Stage equipment at SA-CWLZR-6.4 Westside Highway in Kelso (829 Westside Hwy, Kelso, WA 98626).	Resident Fish, Salmonids	Call Cowlitz County before deployment (360-577-3130). The railroad tracks are owned by BNSF.	Sector CC-6	91

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
<b>CWLZR-15.8R</b>	Cowlitz River at Cook Ferry 46.26306 -122.90075	Collection	Boom 400ft	Yes	Remote Stage equipment at SA-CWLZR-17.6 Al Helenberg Memorial Boat Launch (5040 Westside Hwy, Castle Rock, WA 98611).	Resident Fish, Salmonids	Notify Cowlitz County before staging equipment (360-577-3130). The vacuum truck will need to drive to Cook Ferry Road.	Sector CC-5	93
<b>CWLZR-15.9L</b>	Lions Pride Park 46.26465 -122.90185	Collection	Boom 500ft	Yes	Remote Stage equipment at SA-CWLZR-17.6 Al Helenberg Memorial Boat Launch (5040 Westside Hwy, Castle Rock, WA 98611).	City Park, Resident Fish, Salmonids	Call the City of Castle Rock before deployment (360-27#7478).	Sector CC-5	95
<b>CWLZR-17.4L</b>	Riverfront Trail in Castle Rock 46.27522 -122.91327	Collection	Boom 500ft	Yes	Remote Stage equipment at SA-CWLZR-17.6 Al Helenberg Memorial Boat Launch (5040 Westside Hwy, Castle Rock, WA 98611).	Resident Fish, Salmonids	Call the City of Castle Rock before deployment (360-27#7478). The vac truck could park on A St or drive onto the Riverfront Trail to collect oil.	Sector CC-5	97



Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
<b>CWLZR-17.6R</b>	Cowlitz River River Mile 17.6 46.27819 -122.91080	Collection	Boom 500ft	Yes	Onsite Stage equipment at SA-CWLZR-17.6 Al Helenberg Memorial Boat Launch (5040 Westside Hwy, Castle Rock, WA 98611).	Resident Fish, Salmonids	Call the City of Castle Rock before deployment (360- 27#7478).	Sector CC-5	99
<b>CWLZR-23.6R</b>	Cowlitz River River Mile 23.6 46.35317 -122.93656	Collection	Boom 500ft	Yes	Remote Stage equipment at SA-CWLZR-24.7 Olequa Creek WDFW Water Access Area (271 Miekler Rd, Castle Rock, WA 98611).	Resident Fish, Salmonids	Call Lewis County before deployment (360-740-1151). Access for a vacuum truck may be difficult so collection may need to be done by skimmer.	Sector CC-4	101
<b>CWLZR-24.7L</b>	Cowlitz River River Mile 24.7 46.36856 -122.93468	Collection	Boom 400ft	Yes	Onsite Stage equipment at SA-CWLZR-24.7 Olequa Creek WDFW Water Access Area (271 Miekler Rd, Castle Rock, WA 98611).	Resident Fish, Salmonids, Waterfowl	Call WDFW Region 5 before deployment (360-696-6211).	Sector CC-4	103

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
<b>CWLZR-26.5L</b>	Cowlitz River River Mile 26.5 46.39262 -122.93130	Collection	Boom 500ft	Yes	Remote Stage equipment at SA-CWLZR-24.7 Olequa Creek WDFW Water Access Area (271 Miekler Rd, Castle Rock, WA 98611).	Resident Fish, Salmonids, Waterfowl	Stage equipment onsite but launch work boat (jet drive) from BL-CWLZR-24.7 (~1.8mi downstream). Follow WSDOT work zone traffic control guidelines when working on or near roadway.	Sector CC-3	105
<b>CWLZR-27.3R</b>	Cowlitz River at City of Vader Water Intake 46.40711 -122.93257	Collection	Boom 800ft	Yes	Remote Stage equipment at SA-CWLZR-29.9 I-5 WDFW Water Access Area (275 Mandy Rd, Toledo, WA 98591).	Resident Fish, Salmonids, Water Intakes	Call Lewis County before deployment (360-740-1151). There is a notification strategy (water intake) near anchor point A.	Sector CC-3	107
<b>CWLZR-28.4L</b>	Foster Creek Confluence with Cowlitz River 46.40191 -122.91605	Exclusion	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids	Call Lewis County before deployment (360-740-1151). Change strategy objective to collection if oil is moving downstream in Foster Creek.	Sector CC-3	109
<b>CWLZR-29.9R</b>	I-5 WDFW Water Access Area 46.41422 -122.89060	Collection	Boom 500ft	Yes	Onsite Stage equipment at SA-CWLZR-29.9 I-5 WDFW Water Access Area (275 Mandy Rd, Toledo, WA 98591).	Resident Fish, Salmonids, Waterfowl	Call WDFW Region 5 before deployment (360-696-6211).	Sector CC-3	111

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
<b>CWLZRT-0.1</b>	Cowlitz River Tributary at Pleasant Hill Road 46.23782 -122.88883	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids	Call Cowlitz County before deployment (360-577-3130).	Sector CC-6	113
<b>CWMR-0.1L</b>	Coweeman River Left Bank Backwater 46.10780 -122.88788	Exclusion	Boom 100ft	Yes	Remote Stage equipment at SA-CWLZR-1.6R Gerhart Gardens Park (40 Tennant Way, Longview, WA 98632).	Resident Fish, Salmonids	Call Cowlitz County before deployment (360-577-3130).	Sector CC-7	115
<b>CWMR-0.2R</b>	Coweeman River Right Bank Pedestrian Trail 46.10961 -122.88708	Collection	Boom 300ft	Yes	Remote Stage equipment at SA-CWLZR-1.6R Gerhart Gardens Park (40 Tennant Way, Longview, WA 98632).	Resident Fish, Salmonids	The vacuum truck will need to drive to Talley Way in Kelso to reach the strategy location. The City of Kelso manages the pedestrian trail. Call the city before deployment (360-423-1371).	Sector CC-7	117
<b>CWMR-0.4L</b>	Coweeman River Left Bank Wetland 46.11091 -122.88514	Exclusion	Boom 200ft	Yes	Remote Stage equipment at SA-CWLZR-1.6R Gerhart Gardens Park (40 Tennant Way, Longview, WA 98632).	Resident Fish, Salmonids, Wetlands	Call Cowlitz County before deployment (360-577-3130).	Sector CC-7	119

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
<b>CWMR-1.4R</b>	Coweeman River at Grade Street 46.13591 -122.90034	Collection	Boom 200ft	Yes	Onsite Stage equipment onsite.	Resident Fish, Salmonids, Wetlands	Call Cowlitz County before deployment (360-577-3130).	Sector CC-7	121
<b>CWMR-1.6L</b>	Coweeman River at Coweeman Drive 46.13762 -122.89781	Collection	Boom 400ft	Yes	Onsite Stage equipment onsite.	Resident Fish, Salmonids, Wetlands	Call Cowlitz County before deployment (360-577-3130).	Sector CC-7	123
<b>CWMRT-0.3</b>	Coweeman River Tributary at Allen Street 46.14411 -122.87774	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids, Wetlands	Call Cowlitz County before deployment (360-577-3130).	Sector CC-7	125
<b>GEEC-4.7</b>	Gee Creek at Abrams Park 45.81801 -122.73882	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids, Waterfowl	The park is managed by the City of Ridgefield. Call Clark County before deployment (360-992-6285).	Sector CC-11	127
<b>GEEC-10.0</b>	Gee Creek Rest Area (I-5 Northbound) 45.77668 -122.66969	Collection	Sorbent 200ft	No	Onsite Stage equipment onsite.	Resident Fish, Waterfowl	Cap the catch basin in order to prevent oil from entering it. Call WSDOT before deployment (360-905-2000).	Sector CC-11	129

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
<b>HILLC-0.9</b>	Hill Creek 46.36726 -122.92947	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids, Waterfowl	Call Cowlitz County before deployment (360-577-3130).	Sector CC-4	131
<b>LCMSC-0.3L</b>	Lacamas Creek at State Highway 506 46.41178 -122.92610	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids	Call Lewis County before deployment (360-696-6211).	Sector CC-3	133
<b>LCMSC-4.2</b>	Lacamas Creek at Drews Prairie Road 46.45326 -122.87990	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids	Call Lewis County before deployment (360-696-6211).	Sector CC-3	135
<b>LEWR-3.3R</b>	Pekin Ferry WDFW Water Access Area 45.86779 -122.72499	Collection	Boom 800ft	Yes	Onsite Stage equipment onsite.	Resident Fish, Salmonids, Waterfowl	Call Cowlitz County before deployment (360-577-3130). The staging area is managed by WDFW.	Sector CC-10	137
<b>LEWR-11.5L</b>	Lewis River Left Bank Side Channel 45.93802 -122.68490	Exclusion	Boom 100ft	Yes	Remote Stage equipment at SA-LEWR-12.5R Lewis River Golf Course (3209 Old Lewis River Rd, Woodland, WA 98674).	Resident Fish, Salmonids, Waterfowl	Call Clark County before deployment (360-992-6285).	Sector CC-9	139
<b>LEWR-11.7R</b>	PacifiCorp Island Ramp 45.93897 -122.68211	Collection	Boom 400ft	Yes	Onsite Stage equipment onsite.	Resident Fish, Salmonids, Waterfowl	Call Cowlitz County before deployment (360-577-3130).	Sector CC-9	141

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
<b>LEWR-12.2R</b>	Houghton Creek 45.93786 -122.67035	Exclusion	Boom 400ft	Yes	Remote Stage equipment at SA-LEWR-12.5R Lewis River Golf Course (3209 Old Lewis River Rd, Woodland, WA 98674).	Fish Pens	The fish pens are managed by a local nonprofit called Fish First. Call that group then Cowlitz County before deployment.	Sector CC-9	143
<b>LEWR-12.5R</b>	Lewis River Golf Course 45.93577 -122.66642	Collection	Boom 300ft	Yes	Remote Stage equipment onsite.	Resident Fish, Salmonids, Waterfowl	Notify Cowlitz County before staging equipment (360-577-3130).	Sector CC-9	145
<b>LEWR-13.3L</b>	Lewis River Side Channel River Mile 13.3 45.92872 -122.65437	Exclusion	Boom 300ft	Yes	Remote Stage equipment at SA-LEWR-12.5R Lewis River Golf Course (3209 Old Lewis River Rd, Woodland, WA 98674).	Habitat and Waterfowl, Salmon, Steelhead	Large Woody Debris; Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard	Sector CC-9	147
<b>LEWR-13.8L</b>	Lewis River Side Channel River Mile 13.8 45.93366 -122.65161	Exclusion	Boom 100ft	Yes	Remote Stage equipment at SA-LEWR-12.5R Lewis River Golf Course (3209 Old Lewis River Rd, Woodland, WA 98674).	Resident Fish, Salmonids, Waterfowl	Call Clark County before deployment (360-992-6285). LEWR-13.3L is the exclusion strategy for the downriver entrance to the side channel.	Sector CC-9	149

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
<b>LEWR-14.7L</b>	Haapa Boat Launch 45.93648 -122.63700	Collection	Boom 400ft	Yes	Onsite Stage equipment onsite.	Resident Fish, Salmonids, Waterfowl	The river may be quite shallow in the summer. Call Clark County before deployment (360-992-6285).	Sector CC-9	151
<b>LEWR-15.5aR</b>	Lewis River Hatchery Water Intake (Downriver) 45.93710 -122.62008	Exclusion	Boom 200ft	Yes	Remote Stage equipment at SA-LEWR-15.5L PacifiCorp Cedar Creek (5000 NE Etna Rd, Woodland, WA 98674).	Water Intakes	The Washington Department of Fish & Wildlife manages the hatchery. Notify WDFW before deployment (360-225-7413).	Sector CC-9	153
<b>LEWR-15.5bL</b>	PacifiCorp Cedar Creek 45.93668 -122.61999	Collection	Boom 300ft	Yes	Onsite Stage equipment onsite.	Resident Fish, Salmonids, Waterfowl	Call Clark County before deployment (360-992-6285).	Sector CC-9	155
<b>LEWR-15.6L</b>	Cedar Creek Confluence with Lewis River 45.93608 -122.61876	Exclusion	Boom 100ft	Yes	Onsite Stage equipment onsite.	Resident Fish, Salmonids, Waterfowl	Call Clark County before deployment (360-992-6285).	Sector CC-9	157
<b>LEWR-16.1aR</b>	Lewis River Hatchery 45.93847 -122.60988	Collection	Boom 400ft	Yes	Remote Stage equipment at SA-LEWR-15.5L PacifiCorp Cedar Creek (4000 NE Etna Rd, Woodland, WA 98674).	Fish Hatchery, Resident Fish, Salmonids, Waterfowl	The Washington Department of Fish & Wildlife manages the hatchery. Notify WDFW before deployment (360-225-7413).	Sector CC-9	159

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
<b>LEWR-16.1bR</b>	Lewis River Hatchery Water Intake 45.93821 -122.61052	Exclusion	Boom 200ft	Yes	Remote Stage equipment at SA-LEWR-15.5L PacifiCorp Cedar Creek (5000 NE Etna Rd, Woodland, WA 98674).	Fish Hatchery, Water Intakes	The Washington Department of Fish & Wildlife manages the hatchery. Notify WDFW before deployment (360-225-7413).	Sector CC-9	161
<b>MILLC-0.3</b>	Mill Creek at South Cloverdale Road 45.96054 -122.80137	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids	Call Cowlitz County before deployment (360-577-3130). The creek joins the Columbia River on the other side of I-5.	Sector CC-9	163
<b>OLQAC-0.5L</b>	Weir on Olequa Creek 46.37293 -122.94259	Collection	Boom 200ft	Yes	Onsite Stage equipment onsite.	Raptors, Resident Fish, Salmonids, Waterfowl	The Cowlitz Indian Tribe manages the weir. Call the tribe before deployment (360-577-8140).	Sector CC-4	165
<b>OLQAC-3.7R</b>	Olequa Creek at City of Vader 46.40191 -122.96455	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids	Call City of Vader before deployment (360-295-3222).	Sector CC-3	167
<b>OLQAC-4.3L</b>	McMurphy Park 46.40934 -122.96635	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids	Call City of Vader before deployment (360-295-3222).	Sector CC-3	169



Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
<b>OLQAC-7.9L</b>	Olequa Creek at Ferrier Road 46.44545 -122.96218	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids	The vacuum truck will need to park on the road. Call Lewis County before deployment (360-740-1151).	Sector CC-3	171
<b>OLQAC-10.9L</b>	City of Winlock Wastewater Treatment Plant 46.48184 -122.94612	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids	The strategy is adjacent to the city's wastewater treatment plant. Call the city before deployment (360-785-3811 x202).	Sector CC-3	173
<b>OLQAC-12.4R</b>	Olequa Creek at Old Highway 603 46.50035 -122.93725	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids	The vacuum truck may need to park on Old Highway 603. Call Lewis County before deployment (360-740-1151).	Sector CC-2	175
<b>OSTRC-0.1</b>	Ostrander Creek at West Stock Road 46.19497 -122.89686	Exclusion	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids	Call Cowlitz County before deployment (360-577-3130). The creek joins the Cowlitz River on the other side of the train tracks.	Sector CC-6	177
<b>OSTRC-0.2</b>	Ostrander Creek 46.19482 -122.89553	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids	Call Cowlitz County before deployment (360-577-3130). The creek joins the Cowlitz River on the other side of the train tracks.	Sector CC-6	179

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
<b>OSTRC-0.3</b>	Ostrander Creek at Pacific Avenue North 46.19473 -122.89313	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids	Call Cowlitz County before deployment (360-577-3130). The creek joins the Cowlitz River on the other side of I-5.	Sector CC-6	181
<b>SALMC-5.6</b>	Salmon Creek Regional Park 45.70681 -122.65793	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	County Park, Resident Fish, Salmonids, Waterfowl, Wetlands	The property is a county park. Call the parks department before deployment (56#397-2285). The creek flows into the Columbia River.	Sector CC-12	183
<b>SLMNC-0.4</b>	Salmon Creek at Pleasant Hill Road 46.25481 -122.88528	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids	Call Cowlitz County before deployment (360-577-3130).	Sector CC-5	185
<b>SLMNC-2.3</b>	Salmon Creek along Dougherty Dr 46.27793 -122.89754	Collection	Boom 100ft	No	Remote Stage equipment on shoulder of Dougherty Dr	Freshwater Wildlife, Salmon (Coho, Chinook and Chum), Steelhead	Bank leading down to the culvert is very steep and covered in overgrown vegetation. Follow WSDOT work zone traffic control guidelines when working on or near roadway.	Sector CC-5	187

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
<b>TTLR-1.0L</b>	Toutle River River Mile 1.0 46.31733 -122.90677	Collection	Boom 400ft	Yes	Remote Stage equipment at SA-CWLZR-17.6 Al Helenberg Memorial Boat Launch (5040 Westside Hwy, Castle Rock, WA 98611).	Resident Fish, Salmonids	Call Cowlitz County before deployment (360-577-3130). The river joins the Cowlitz River at river mile 20.	Sector CC-4	189
<b>WPPLC-2.3</b>	Whipple Creek at NW 41st Avenue 45.74995 -122.71306	Collection	Boom 100ft	No	Onsite Stage equipment onsite.	Resident Fish, Salmonids, Sensitive Resources, Waterfowl	The land on the east side of the road is a conservation area. Call Clark County before deployment (360-992- 6285).	Sector CC-11	191

## Notification Strategy Matrices

Strategy Name	Location	Strategy Type	Resources at Risk	Implementation	Comments	Sector Map	Strategy Details (Page#)
<b>CWLZR-4.7-N</b>	City of Kelso Water Intakes 46.14238 -122.91383	Notification	Water Intakes	Call the city at (360) 577-3360 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the water intakes at Cowlitz River Mile 4.7 (left bank), so they can take action to protect the resources under their control.	Notify City of Kelso Operations so they can take action to protect the resources under their control.	Sector CC-7	195
<b>CWLZR-5.2-N</b>	City of Longview Water Intakes 46.15037 -122.91448	Notification	Economic Resource, Water Intakes	Call the city at (360) 442-5200 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the water intakes at Cowlitz River Mile 5.2 (right bank), so they can take action to protect the resources under their control.	Notify City of Longview Public Works so they can take action to protect the resources under their control.	Sector CC-7	197
<b>CWLZR-22.3-N</b>	City of Castle Rock Water Intakes 46.33403 -122.93194	Notification	Economic Resource, Water Intakes	Call Public Works at (360) 274-7478 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the water intakes at Cowlitz River Mile 22.3 (right bank), so they can take action to protect the resources under their control.	Notify City of Castle Rock Public Works Department so they can take action to protect the resources under their control.	Sector CC-4	199



Strategy Name	Location	Strategy Type	Resources at Risk	Implementation	Comments	Sector Map	Strategy Details (Page#)
<b>CWLZR-27.3-N</b>	City of Vader Water Intakes 46.40649 -122.93392	Notification	Water Intakes	Call the city at (360) 295-3222 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the water intakes at Cowlitz River Mile 27.3 (right bank), so they can take action to protect the resources under their control.	Notify the City of Vader Public Works Department so they can take action to protect the resources under their control.	Sector CC-3	201
<b>CWLZR-49.8-N</b>	WDFW Cowlitz Salmon and Trout Hatcheries (WDFW) 46.51134 -122.62946	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 hatcheries along the upper Cowlitz River, so they can take action to protect the resources under their control.	Notify WDFW so they can take action to protect the resources under their control.	Sector CC-1	203
<b>KLMAR-10.8-N</b>	WDFW Kalama Falls Hatchery 46.01642 -122.73316	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 hatchery along the Kalama River, so they can take action to protect the resources under their control.	Notify WDFW so they can take action to protect the resources under their control.	Sector CC-8	205
<b>LEWR-7.0-N</b>	City of Woodland Water Intakes 45.91014 -122.74015	Notification	Water Intakes	Call the City of Woodland Public Works at 360-606-1191, 360-608-1417, or 360-607-0968. Inform them of any significant oil spill or potential spill that impacts or threatens to impact the Lewis River upstream of the Ranney Collector/Water Intake.	Notify City of Woodland so they can take action to protect their water intakes	Sector CC-9	207

Strategy Name	Location	Strategy Type	Resources at Risk	Implementation	Comments	Sector Map	Strategy Details (Page#)
<b>LEWR-19.0-N</b>	WDFW Merwin Hatchery 45.95464 -122.56479	Notification	Fish Hatchery, Salmonids	Call WDFW at (360) 601-1301 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the hatchery on the Lewis River, so they can take action to protect the resources under their control.	Notify WDFW so they can take action to protect the resources under their control.	Sector CC-9	209

### Staging Area Matrices

Strategy Name	Location	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
<b>SA-CWLZR-1.6R</b>	Gerhart Gardens Park	46.11132 -122.89561	40 Tennant Way Longview, WA 98632	City of Longview Parks Department 2920 Douglas Street Longview, WA 98632 360-442-5421	CWMR-0.4L, CWLZR-1.3L, CWLZR-1.6R, CWMR-0.2R, LCR-65.9R, CWMR-0.1L	Public recreation area operated by the City of Longview. Notify the city before staging equipment (360-442-5421).	Sector CC-7	215
<b>SA-CWLZR-6.4</b>	Westside Highway in Kelso	46.16624 -122.91561	829 Westside Hwy Kelso, WA 98626	Cowlitz County Emergency Management Kelso, WA 98626 360-577-3130	CWLZR-6.4R, CWLZR-5.2R, CWLZR-5.6L, CWLZR-4.3L, CWLZR-7.4L	Public recreation area on river right. Notify Cowlitz County before staging equipment (360-577-3130).	Sector CC-6	217
<b>SA-CWLZR-17.6</b>	Al Helenberg Memorial Boat Launch	46.27858 -122.91225	5040 Westside Hwy Castle Rock, WA 98611	City of Castle Rock Public Works 360 "A" Street SW - P.O. Box 370 Castle Rock, WA 98611 360-27#7478	CWLZR-15.8R, CWLZR-17.4L, TTLR-1.0L, CWLZR-17.6R, CWLZR-15.9L	Public recreation area operated by the City of Castle Rock. Notify the city before staging equipment (360-27#7478).	Sector CC-5	219

Strategy Name	Location	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
<b>SA-CWLZR-24.7L</b>	Olequa Creek WDFW Water Access Area	46.36805 -122.93397	271 Miekler Rd Castle Rock, WA 98611	WDFW Region 5 (Southwest)  2108 Grand Boulevard Ridgefield, WA 98642 360-696-6211	CWLZR-23.6R, HILLC-0.9, CWLZR-26.5, CWLZR-24.7	Public recreation area operated by WDFW on the left bank of the Cowlitz River. Notify Region 5 before staging equipment (360-696-6211).	Sector CC-4	221
<b>SA-CWLZR-29.9L</b>	I-5 WDFW Water Access Area	46.41363 -122.89106	275 Mandy Rd Toledo, WA 98591	WDFW Region 5 (Southwest)  2108 Grand Boulevard Ridgefield, WA 98642 360-696-6211	CWLZR-27.3R, CWLZR-29.9R	Public recreation area operated by WDFW on the left bank of the Cowlitz River. Notify Region 5 before staging equipment (360-696-6211).	Sector CC-3	223
<b>SA-LEWR-3.3R</b>	Pekin Ferry WDFW Water Access Area	45.86794 -122.72478	S Pekin Rd Woodland, WA 98674	WDFW Region 5 (Southwest)  360-696-6211	LEWR-3.3R	Public recreation area operated by WDFW on the left bank of the Cowlitz River. Notify Region 5 before staging equipment (360-696-6211).	Sector CC-10	225

Strategy Name	Location	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
SA-LEWR-11.7	PacifiCorp Island Ramp	45.93930 -122.68183	3000 Lewis River Rd Woodland, WA 98674	PacifiCorp Emergency Services Manager WA 503-813-7039	LEWR-11.7R	Public recreation area operated by PacifiCorp (Merwin Dam operator). Notify the company before staging equipment (503-813-7039). An alternate location is next to the Lewis River Golf Course at river mile 12.5.	Sector CC-9	227
SA-LEWR-12.5R	Lewis River Golf Course	45.93620 -122.66612	3209 Old Lewis River Rd Woodland, WA 98674	Cowlitz County Emergency Management 360-577-3130	LEWR-11.5L, LEWR-13.3L,	Public recreation area on river right. Notify Cowlitz County before staging equipment (360-577-3130). An alternate location on the same side of the river is the PacifiCorp Island Ramp at river mile 11.7.	Sector CC-9	229
				Lewis River Golf Course 360-225-8566	LEWR-12.5R, LEWR-13.8L, LEWR-12.2R			
SA-LEWR-14.7L	Haapa Boat Launch	45.93589 -122.63770	43511 NE Haapa Rd Woodland, WA 98674	Clark County Parks  4700 NE 78th Street Vancouver, WA 98665 56#397-2285	LEWR-14.7L	Public recreation area by Clark County. Notify the county before staging equipment (56#397-2285). An alternate location on the same side of the river is the PacifiCorp Cedar Creek site at river mile 15.5.	Sector CC-9	231



Strategy Name	Location	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
SA-LEWR-15.5L	PacifiCorp Cedar Creek	45.93643 -122.62050	5000 NE Etna Rd Woodland, WA 98674	PacifiCorp Emergency Services Manager 503-813-7039	LEWR-15.5bL, LEWR-16.1bR, LEWR-15.6L, LEWR-16.1aR, LEWR-15.5aR	Public recreation area operated by PacifiCorp (Merwin Dam operator). Notify the company before staging equipment (503-813-7039). An alternate location on the same side of the river is the Haapa Boat Launch at river mile 14.7.	Sector CC-9	233

### Boat Launch Matrices

Strategy Name	Name	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
<b>BL-CWLZR-1.6R</b>	Gerhart Gardens Park	46.11132 -122.89561	40 Tennant Way Longview, WA 98632	City of Longview Parks Department 2920 Douglas Street Longview, WA 98632 360-442-5421	LCR-66.2R, CWMR-0.4L, CWLZR-1.3L, CWLZR-1.6R, CWLZR-1.0, CWMR-0.2R, LCR-65.9R, CWMR-0.1L	Public recreation area operated by the City of Longview. Notify the city before staging equipment (360-442-5421).	Sector CC-7	237
<b>BL-CWLZR-6.4</b>	Westside Highway in Kelso	46.16624 -122.91561	829 Westside Hwy Kelso, WA 98626	Cowlitz County Emergency Management Kelso, WA 98626 360-577-3130	CWLZR-6.4R, CWLZR-5.2R, CWLZR-5.6L, CWLZR-4.3L, CWLZR-7.4L	Public recreation area on river right. Notify Cowlitz County before staging equipment (360-577-3130).	Sector CC-6	239
<b>BL-CWLZR-17.6</b>	Al Helenberg Memorial Boat Launch	46.27858 -122.91225	5040 Westside Hwy Castle Rock, WA 98611	City of Castle Rock Public Works 360 "A" Street SW - P.O. Box 370 Castle Rock, WA 98611 360-27#7478	CWLZR-15.8R, CWLZR-17.4L, TTLR-1.0L, CWLZR-17.6R, CWLZR-15.9L	Public recreation area operated by the City of Castle Rock. Notify the city before staging equipment (360-27#7478).	Sector CC-5	241

Strategy Name	Name	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
<b>BL-CWLZR-24.7L</b>	Olequa Creek WDFW Water Access Area	46.36805 -122.93397	271 Miekler Rd Castle Rock, WA 98611	WDFW Region 5 (Southwest)  2108 Grand Boulevard Ridgefield, WA 98642 360-696-6211	CWLZR-23.6R, CWLZR-26.5, CWLZR-24.7	Public recreation area operated by WDFW on the left bank of the Cowlitz River. Notify Region 5 before staging equipment (360-696-6211).	Sector CC-4	243
<b>BL-CWLZR-29.9L</b>	I-5 WDFW Water Access Area	46.41363 -122.89106	275 Mandy Rd Toledo, WA 98591	WDFW Region 5 (Southwest)  2108 Grand Boulevard Ridgefield, WA 98642 360-696-6211	CWLZR-27.3R, CWLZR-29.9R	WDFW "I-5" Water Access Site is open year round; for more information contact WDFW Region 5 at 360-696-6211 or email TeamVancouver@dfw.wa.gov.	Sector CC-3	245
<b>BL-LEWR-3.3R</b>	Pekin Ferry WDFW Water Access Area	45.86794 -122.72478	S Pekin Rd Woodland, WA 98674	WDFW Region 5 (Southwest)  360-696-6211	LEWR-3.3R	Public recreation area operated by WDFW on the left bank of the Cowlitz River. Notify Region 5 before staging equipment (360-696-6211).	Sector CC-10	247
<b>BL-LEWR-11.7</b>	PacifiCorp Island Ramp	45.93930 -122.68183	3000 Lewis River Rd Woodland, WA 98674	PacifiCorp Emergency Services Manager WA 503-813-7039	LEWR-11.7R	Public recreation area operated by PacifiCorp (Merwin Dam operator). Notify the company before staging equipment (503-813-7039). An alternate location is next to the Lewis River Golf Course at river mile 12.5.	Sector CC-9	249

Strategy Name	Name	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
<b>BL-LEWR-12.5R</b>	Lewis River Golf Course	45.93620 -122.66612	3209 Old Lewis River Rd Woodland, WA 98674	Cowlitz County Emergency Management 360-577-3130	LEWR-11.5L, LEWR-13.3L, LEWR-12.5R,	Public recreation area on river right. Notify Cowlitz County before staging equipment (360-577-3130). An alternate location on the same side of the river is the PacifiCorp Island Ramp at river mile 11.7.	Sector CC-9	251
				Lewis River Golf Course 360-225-8566	LEWR-13.8L, LEWR-12.2R			
<b>BL-LEWR-14.7L</b>	Haapa Boat Launch	45.93589 -122.63770	43511 NE Haapa Rd Woodland, WA 98674	Clark County Parks 4700 NE 78th Street Vancouver, WA 98665 56#397-2285	LEWR-14.7L	Public recreation area by Clark County. Notify the county before staging equipment (56#397-2285). An alternate location on the same side of the river is the PacifiCorp Cedar Creek site at river mile 15.5.	Sector CC-9	253
<b>BL-LEWR-15.5L</b>	PacifiCorp Cedar Creek	45.93643 -122.62050	5000 NE Etna Rd Woodland, WA 98674	PacifiCorp Emergency Services Manager 503-813-7039	LEWR-15.5bL, LEWR-16.1bR, LEWR-15.6L, LEWR-16.1aR, LEWR-15.5aR	Public recreation area operated by PacifiCorp (Merwin Dam operator). Notify the company before staging equipment (503-813-7039). An alternate location on the same side of the river is the Haapa Boat Launch at river mile 14.7.	Sector CC-9	255

**APPENDIX A**

**Response Strategy 2-Pagers**



## Burnt Bridge Creek at Alki Road

BRBRC-6.2

<b>Position - Location:</b>	45° 39.681', -122° 40.331'	45° 39' 40.9", -122° 40' 19.8"	45.66135, -122.67218	Vancouver
<b>Strategy Objective:</b>	Collection : Collect oil moving downstream on Burnt Bridge Creek.			
<b>Implementation:</b>	Deploy 100ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom.			
<b>Staging Area:</b>	Onsite: Stage equipment onsite.			
<b>Site Safety:</b>	Vehicle Traffic; Slips, Trips, Falls; Uneven Surface; Water Hazard			
<b>Field Notes:</b>	Call Clark County before deployment (360-992-6285).			
<b>Watercourse:</b>	Creek - Burnt Bridge Creek			
<b>Resources at Risk:</b>	Resident Fish, Salmonids, Waterfowl			



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor

## Burnt Bridge Creek at Alki Road

BRBRC-6.2



BRBRC-6.2 Photo: From pedestrian trail on creek right, looking south towards the bridge. Photo was taken in late October.

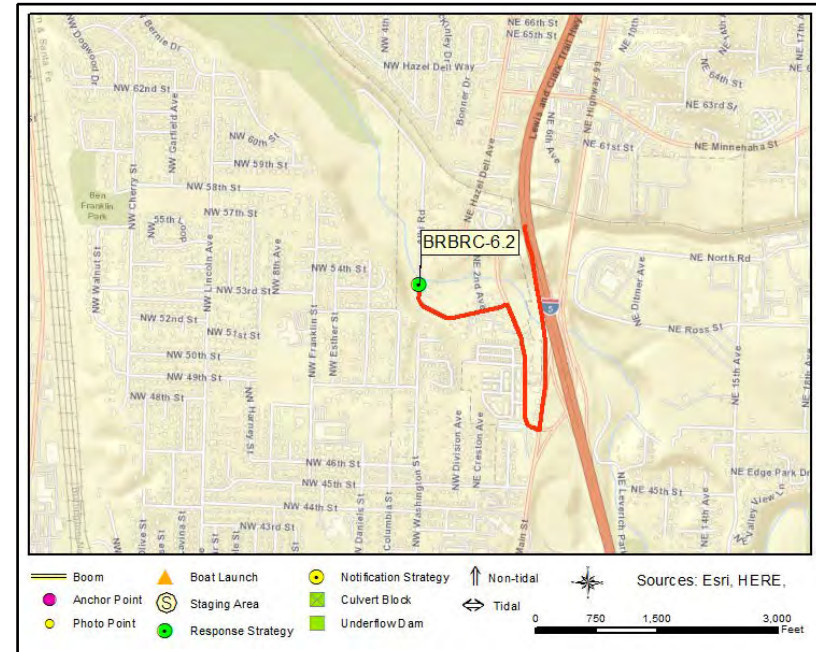
### Site Contact

**Clark Regional Emergency Services (CRESA)**  
Municipality (County/City) :

Vancouver, WA 98660  
360-992-6285

### Nearest Address

5298 Alki Rd  
Vancouver, WA 98663



### Driving Directions

1. Head south on I-5
2. Take Exit 3 to merge onto Main Street
2. At first intersection, turn right onto NE Hazel Dell Avenue
3. Turn left onto Alki Road
4. Location is on the right side of the bridge.

## Burnt Bridge Creek at Leverich Park

BRBRC-7.3

**Position - Location:** 45° 39.139', -122° 39.644' 45° 39' 8.3", -122° 39' 38.7" 45.65231, -122.66074 Vancouver

**Strategy Objective:** Collection : Collect oil moving downstream on Burnt Bridge Creek.

**Implementation:** Deploy 100ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom.

**Staging Area:** Onsite: Stage equipment onsite.

**Site Safety:** Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** Call Clark County Parks before deployment (564-397-2285).

**Watercourse:** Creek - Burnt Bridge Creek

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



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor



## Burnt Bridge Creek at Leverich Park

BRBRC-7.3



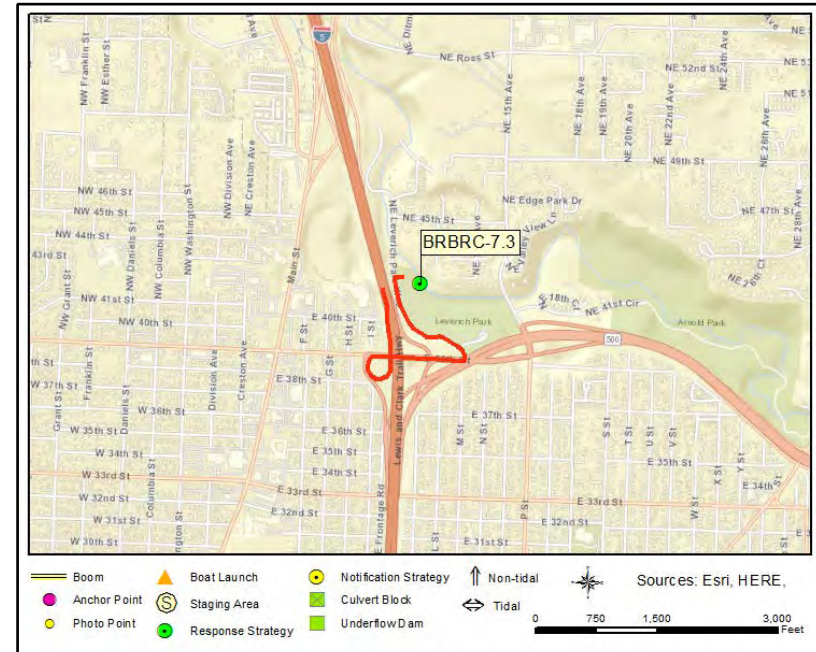
BRBRC-7.3 Photo: From park on left bank, looking southeast towards bridge spanning creek. Photo was taken in late October.

### Site Contact

**Clark County Parks**  
Municipality (County/City) :  
564-397-2285

### Nearest Address

4400 NE Leverich Park Way  
Vancouver, WA 98663



### Driving Directions

1. Head south on I-5 S
2. Take Exit for 39th St
3. Turn right onto E 39th St
4. Turn left onto NE Leverich Park Way
5. Location is on the right



## Burnt Bridge Creek at East 18th Street

BRBRC-10.4

**Position - Location:** 45° 38.027', -122° 37.247' 45° 38' 1.6", -122° 37' 14.8" 45.63378, -122.62078 Vancouver

**Strategy Objective:** Collection : Collect oil moving downstream on Burnt Bridge Creek.

**Implementation:** Deploy 100ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom.

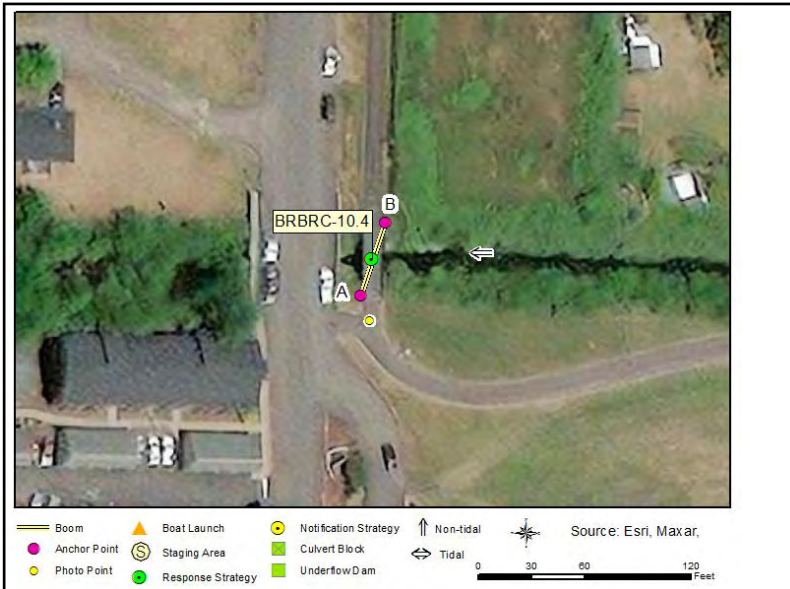
**Staging Area:** Onsite: Stage equipment onsite.

**Site Safety:** Vehicle Traffic; Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** Strategy is next to the Thunderbird Village apartment complex. Call Clark County before deployment (360-992-6285).

**Watercourse:** Creek - Burnt Bridge Creek

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



### Recommended Equipment

2 Each	Anchoring System(s)- Shoreside
100 Feet	Boom - B3 (River Boom) or equivalent
100 Feet	Line - 1/2" poly line
1 Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2 Laborer
1 Supervisor

## Burnt Bridge Creek at East 18th Street

BRBRC-10.4



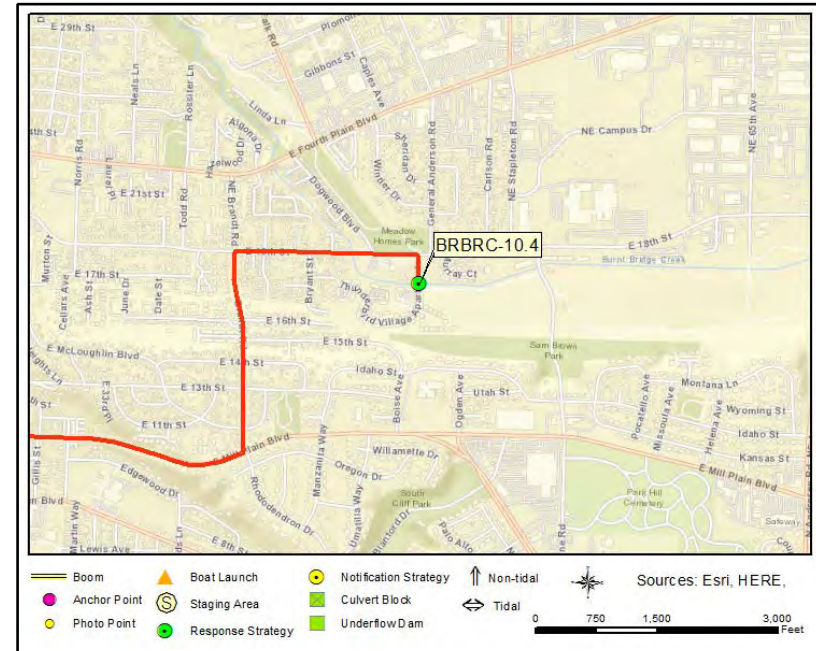
BRBRC-10.4 Photo: From pedestrian trail on left bank, looking northeast in between vehicle and bicycle bridges. Photo was taken in late October.

### Site Contact

**Clark Regional Emergency Services (CRESA)**  
Municipality (County/City) :  
360-992-6285

### Nearest Address

4601 E 18th St  
Vancouver, WA 98661



### Driving Directions

1. Head south on I-5
2. Take Exit 1C (Washington 501/ Mill Plain Boulevard)
3. At end of ramp, turn left onto E Mill Plain Blvd
4. Turn left onto Brandt Road
5. Turn right onto E 18th Street
6. Turn right onto roadway for Thunderbird Village

## Burke Creek at South Cloverdale Road

**BURKC-0.7**

**Position - Location:** 45° 56.713', -122° 46.685' 45° 56' 42.8", -122° 46' 41.1" 45.94522, -122.77809 Woodland

**Strategy Objective:** Collection : Collect oil moving downstream on Burke Creek.

**Implementation:** Deploy 100ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom.

**Staging Area:** Onsite: Stage equipment onsite.

**Site Safety:** Vehicle Traffic; Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** There is a gradual path to the creek on the southwest side of the bridge. Call Cowlitz County before deployment (360-577-3130).

**Watercourse:** Creek - Burke Creek

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



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor



## Burke Creek at South Cloverdale Road

**BURKC-0.7**



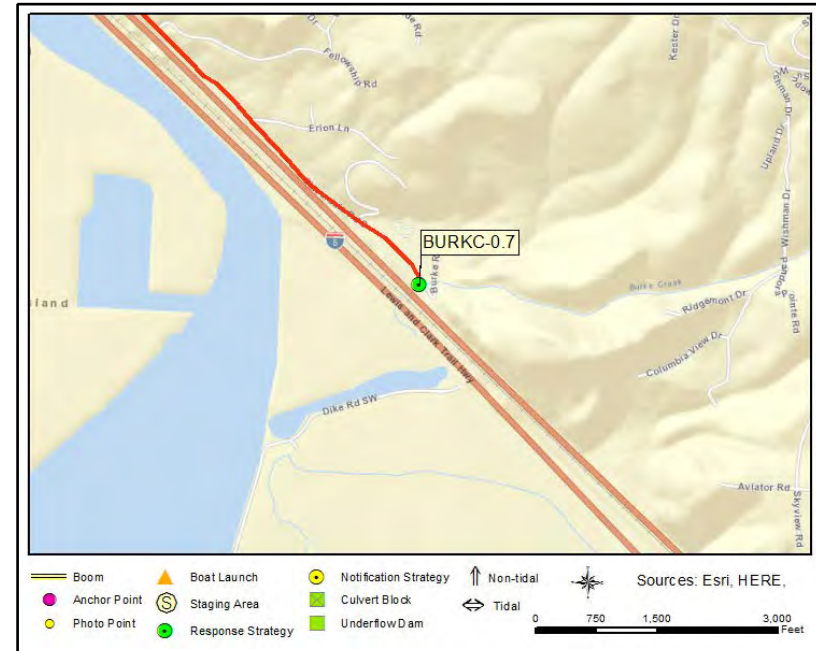
BURKC-0.7 Photo: From right bank, looking north towards vehicle bridge. Photo was taken in late September.

### Site Contact

**Cowlitz County**  
Municipality (County/City) : Emergency Management  
360-577-3130

### Nearest Address

S Cloverdale Rd  
Woodland, WA 98674



### Driving Directions

1. Head south I-5
2. Take Exit 27 (Todd Road/Port of Kalama)
3. Turn left at the end of exit ramp to travel NE on Robb Road
4. Turn right onto Todd Road
5. Turn right onto S Cloverdale Road
6. Stay to right to remain on S Cloverdale Road
7. Location is at the end of the road



## Canyon Creek at South Cloverdale Road

CANYC-0.2

**Position - Location:** 45° 57.287', -122° 47.563' 45° 57' 17.2", -122° 47' 33.8" 45.95479, -122.79271 Kalama

**Strategy Objective:** Collection : Collect oil moving downstream on Canyon Creek.

**Implementation:** Deploy 100ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom.

**Staging Area:** Onsite: Stage equipment onsite.

**Site Safety:** Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** Call Cowlitz County before deployment (360-577-3130).

**Watercourse:** Creek - Canyon Creek

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



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor

## Canyon Creek at South Cloverdale Road

CANYC-0.2



CANYC-0.2 Photo: From right bank, looking south towards culvert. Photo was taken in late September.

### Site Contact

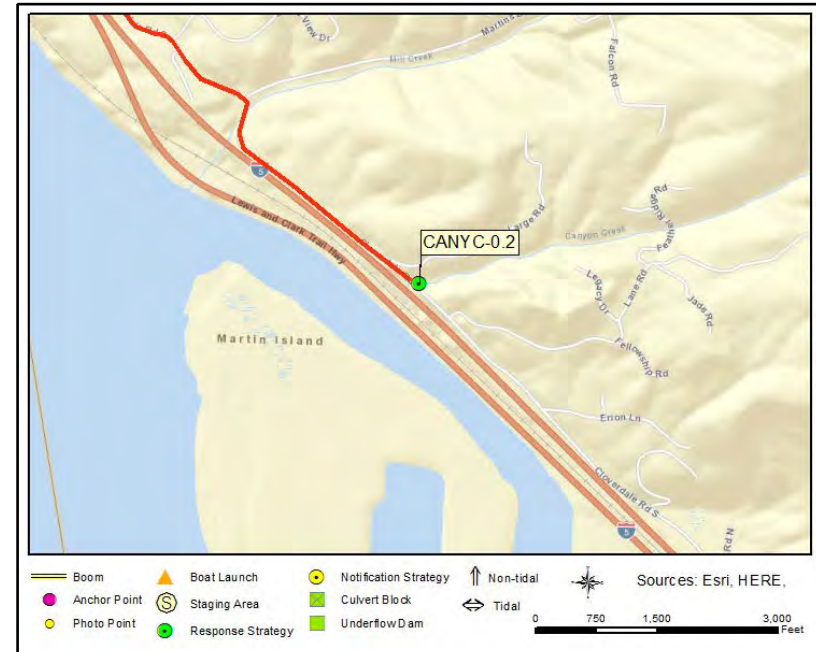
#### Cowlitz County

Municipality (County/City) : Emergency Management

Kelso, WA 98626  
360-577-3130

### Nearest Address

2101 S Cloverdale Rd  
Kalama, WA 98625



### Driving Directions

1. Head south on I-5
2. Take Exit 27 (Todd Road/Port of Kalama)
3. Turn left at the end of exit ramp to travel NE on Robb Road
4. Turn right onto Todd Road
5. Turn right onto S Cloverdale Road
6. Stay to right to remain on S Cloverdale Road
7. Location is on the left

## Coal Creek Slough at 34th Avenue

COLCS-12.1R

<b>Position - Location:</b>	46° 9.216', -122° 58.330'	46° 9' 13.0", -122° 58' 19.8"	46.15360, -122.97217	Longview
<b>Strategy Objective:</b>	Collection : Collect oil moving downstream on Coal Creek Slough.			
<b>Implementation:</b>	Deploy 100ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom.			
<b>Staging Area:</b>	Onsite: Stage equipment onsite.			
<b>Site Safety:</b>	Slips, Trips, Falls; Uneven Surface; Water Hazard			
<b>Field Notes:</b>	Call Cowlitz County before deployment (360-577-3130).			
<b>Watercourse:</b>	Slough - Coal Creek Slough			
<b>Resources at Risk:</b>	Waterfowl			



Recommended Equipment	
2 Each	Anchoring System(s)- Shoreside
100 Feet	Boom - B3 (River Boom) or equivalent
100 Feet	Line - 1/2" poly line
1 Each	Vac Truck or Skimmer and Storage
Recommended Personnel	
2 Laborer	
1 Supervisor	



## Coal Creek Slough at 34th Avenue

COLCS-12.1R



COLCS-12.1R Photo: From 34th Ave bridge, looking northeast/upstream. Photo was taken in late August.

### Site Contact

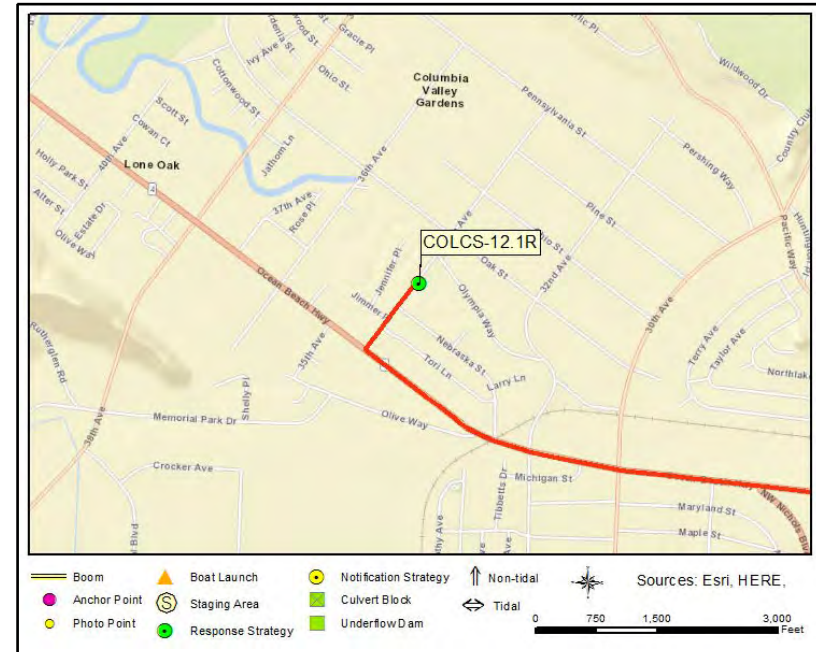
#### Cowlitz County

Municipality (County/City) : Emergency Management

Kelso, WA 98626  
360-577-3130

### Nearest Address

2324 34th Ave  
Longview, WA 98632



### Driving Directions

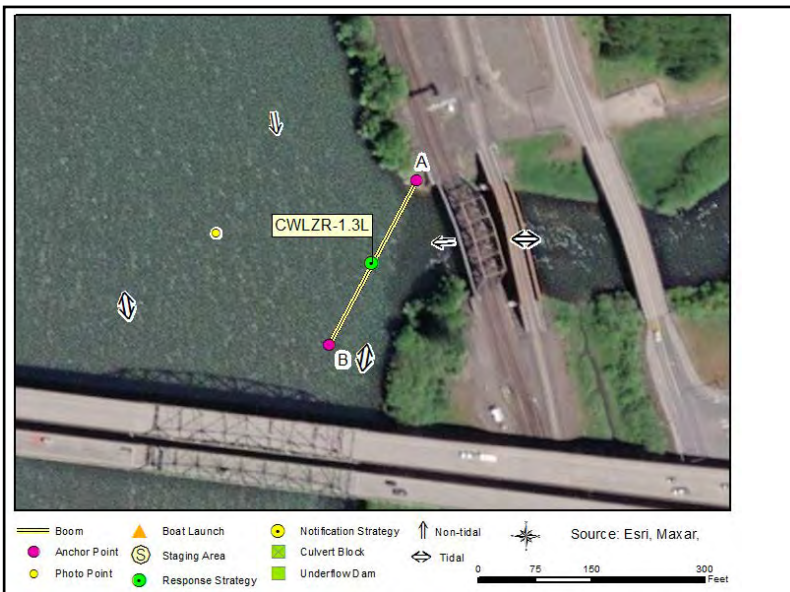
1. Head south on I-5
2. Take Exit 39 (WA-4 – Kelso)
3. Turn right at the end of exit ramp to travel west on highway WA-4/Allen Street
4. Turn right onto 5th Avenue North
5. Turn left onto Cowlitz Way
6. Turn right onto Ocean Beach Highway (WA-4 W)
7. Turn right onto 34th Avenue
8. Strategy location is on the right.



## Coweeman River Confluence with Cowlitz River

CWLZR-1.3L

<b>Position - Location:</b>	46° 6.448', -122° 53.416'	46° 6' 26.9", -122° 53' 24.9"	46.10746, -122.89026	Longview
<b>Strategy Objective:</b>	Deflection : Keep oil away from Coweeman River.			
<b>Implementation:</b>	Using workboat, deploy 300ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.			
<b>Staging Area:</b>	Remote: Stage equipment at SA-CWLZR-1.6R Gerhart Gardens Park (40 Tennant Way, Longview, WA 98632).			
<b>Site Safety:</b>	Recreational Boat Traffic; Railroad Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard			
<b>Field Notes:</b>	Call Cowlitz County before deployment (360-577-3130). You may wish to contact BNSF Railway to coordinate activities given proximity of rail.			
<b>Watercourse:</b>	River - Cowlitz River			
<b>Resources at Risk:</b>	Resident Fish, Salmonids			



### Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
1	Each	Anchoring System(s)- Shoreside
300	Feet	Boom - B3 (River 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

## Coweeman River Confluence with Cowlitz River

CWLZR-1.3L



CWLZR-1.3L Photo: From the middle of the Cowlitz River, looking east up the Coweeman River. Photo was taken in early June.

### Site Contact

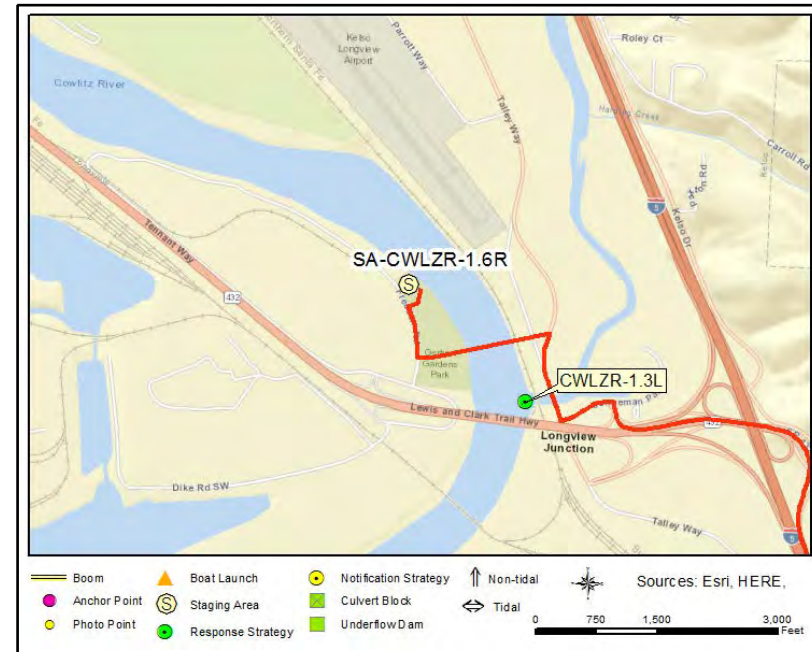
#### Cowlitz County

Municipality (County/City) : Emergency Management

Kelso, WA 98626  
360-577-3130

### Nearest Address

40 Tennant Way  
Longview, WA 98632



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Gerhart Gardens Park (SABL-CWLZR-1.6R):

1. Head north on I-5
2. Take the ramp on the right at exit 36
3. Continue onto WA-432 W
4. Take the exit toward Frontage Rd
5. Drive to Freedom Rd
6. Turn right onto Frontage Rd
7. Turn left onto Freedom Rd. Boat launch is on the right.

## Gerhart Gardens Park

CWLZR-1.6R

**Position - Location:** 46° 6.685', -122° 53.726' 46° 6' 41.1", -122° 53' 43.6" 46.11141, -122.89544 Longview

**Strategy Objective:** Collection : Collect oil moving downriver on the Cowlitz River.

**Implementation:** Using workboat, deploy 600ft boom on right bank at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.

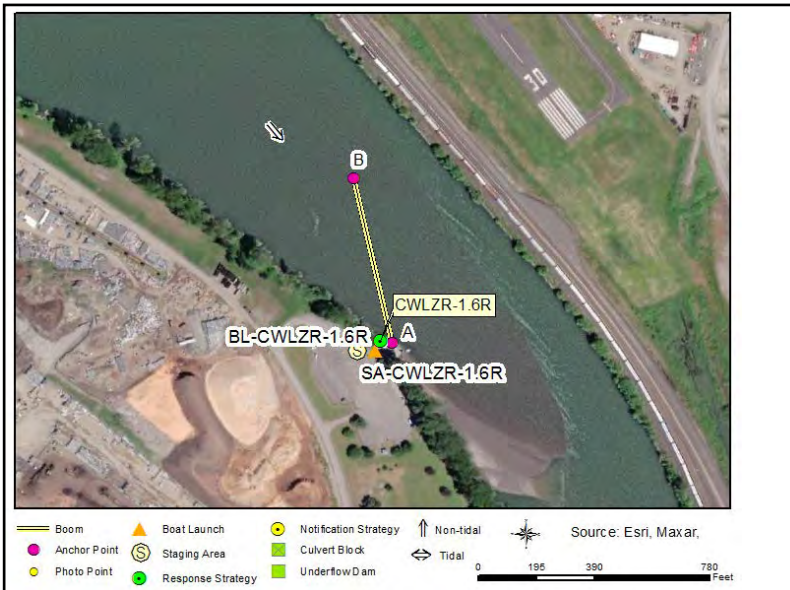
**Staging Area:** Onsite: Stage equipment at SA-CWLZR-1.6R Gerhart Gardens Park (40 Tennant Way, Longview, WA 98632).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Call City of Longview before deployment (360-442-5421).

**Watercourse:** River - Cowlitz River

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
600 Feet	Boom - B3 (River 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

## Gerhart Gardens Park

CWLZR-1.6R



CWLZR-1.6R Photo: From river right at the bottom of the boat ramp, looking north towards anchor point B. Photo was taken in early September.

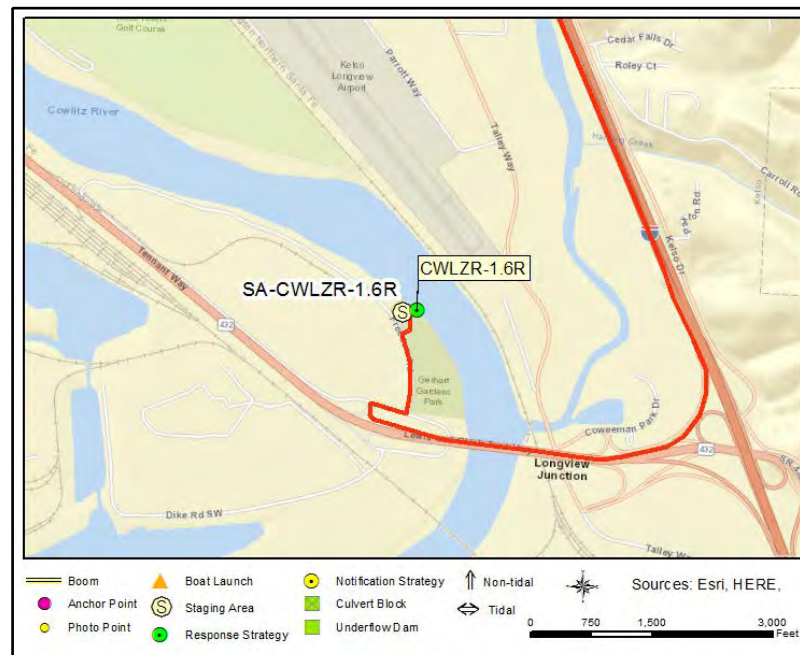
### Site Contact

#### City of Longview

Municipality (County/City) : Parks Department  
2920 Douglas Street  
Longview, WA 98632  
360-442-5421

### Nearest Address

40 Tennant Way  
Longview, WA 98632



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Gerhart Gardens Park (SABL-CWLZR-1.6R):

1. Head north on I-5
2. Take the ramp on the right at exit 36
3. Continue onto WA-432 W
4. Take the exit toward Frontage Rd
5. Drive to Freedom Rd
6. Turn right onto Frontage Rd
7. Turn left onto Freedom Rd. Boat launch is on the right.



## Cowlitz River Left Bank River Mile 4.3

CWLZR-4.3L

**Position - Location:** 46° 8.314', -122° 54.976' 46° 8' 18.9", -122° 54' 58.6" 46.13857, -122.91627 Kelso

**Strategy Objective:** Collection : Collect oil moving downriver on the Cowlitz River.

**Implementation:** Using workboat, deploy 500ft boom on left bank at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.

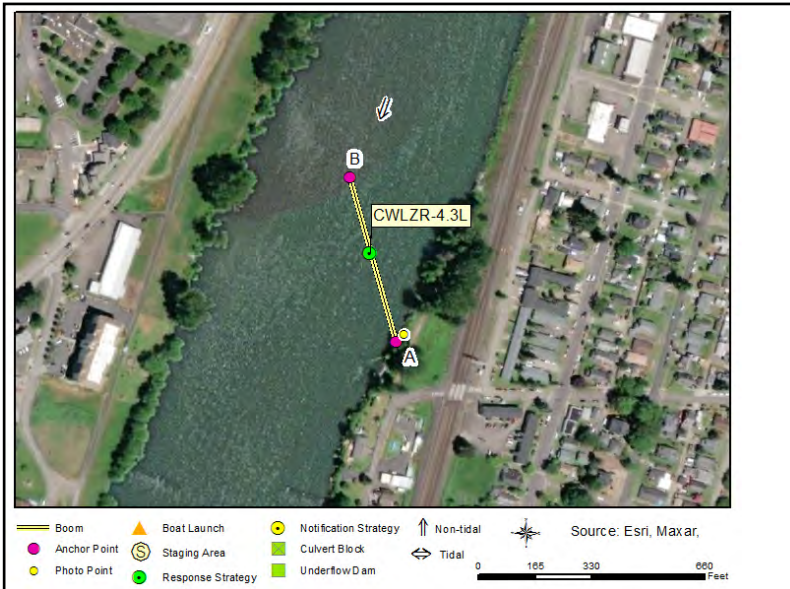
**Staging Area:** Remote: Stage equipment at SA-CWLZR-6.4 Westside Highway in Kelso (829 Westside Hwy, Kelso, WA 98626).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Submerged Objects; Uneven Surfaces; Water Hazard

**Field Notes:** Call Cowlitz County before deployment (360-577-3130). To collect oil, the vac truck will have to drive to the area near anchor point A (Mill St in Kelso).

**Watercourse:** River - Cowlitz River

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B3 (River 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

## Cowlitz River Left Bank River Mile 4.3

CWLZR-4.3L



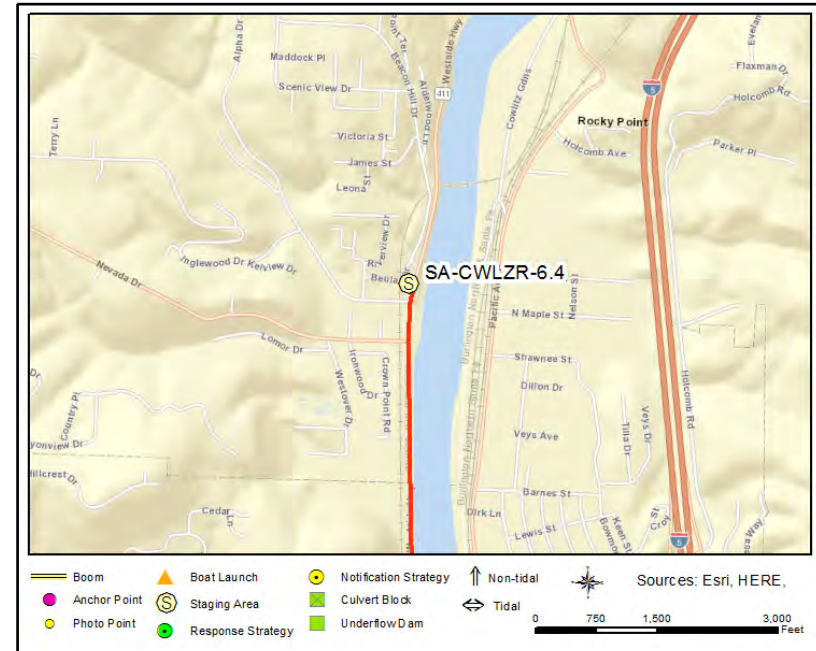
CWLZR-4.3L Photo: From river left, looking north towards anchor point B with Allen St Bridge in the background. Photo was taken in late August.

### Site Contact

**Cowlitz County**  
Municipality (County/City) : Emergency Management  
360-577-3130

### Nearest Address

829 Westside Hwy  
Kelso, WA 98626



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Westside Highway in Kelso (SABL-CWLZR-6.4):

1. Head north on I-5
2. Take exit 39 to WA-4 W toward Kelso
3. Turn left on WA-4
4. Continue on Allen St Bridge
5. Turn right on WA-411
6. Boat launch is on the right.

# City of Longview Water Intakes

CWLZR-5.2R

**Position - Location:** 46° 9.022', -122° 54.865' 46° 9' 1.3", -122° 54' 51.9" 46.15036, -122.91441 Kelso

**Strategy Objective:** Exclusion : Keep oil out of the City of Longview Water Intakes.

**Implementation:** Using workboat, deploy 200ft boom on right bank at anchor point A. Then extend boom south and secure end near anchor point C. Near boom midpoint, use workboat to pull boom east into channel, 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-CWLZR-6.4 Westside Highway in Kelso (829 Westside Hwy, Kelso, WA 98626).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard; Water Intake Air Burst System

**Field Notes:** Call City of Longview before deployment (360-442-5209). This location is also a notification strategy.

**Watercourse:** River - Cowlitz River

**Resources at Risk:** Economic Resource, Water Intakes



## Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B3 (River 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

## City of Longview Water Intakes

CWLZR-5.2R



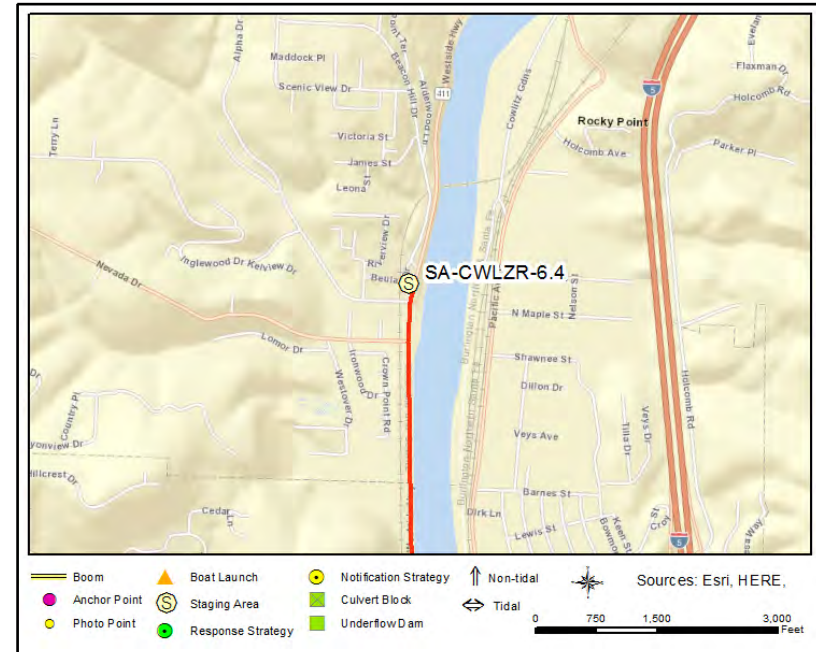
CWLZR-5.2R Photo: From river right, looking north towards the pump station and anchor points B and C. Photo was taken in late August.

### Site Contact

**City of Longview Public Works**  
Municipality (County/City) :  
1525 Broadway  
Longview, WA 98632  
360-442-5200

### Nearest Address

829 Westside Hwy  
Kelso, WA 98626



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Westside Highway in Kelso (SABL-CWLZR-6.4):

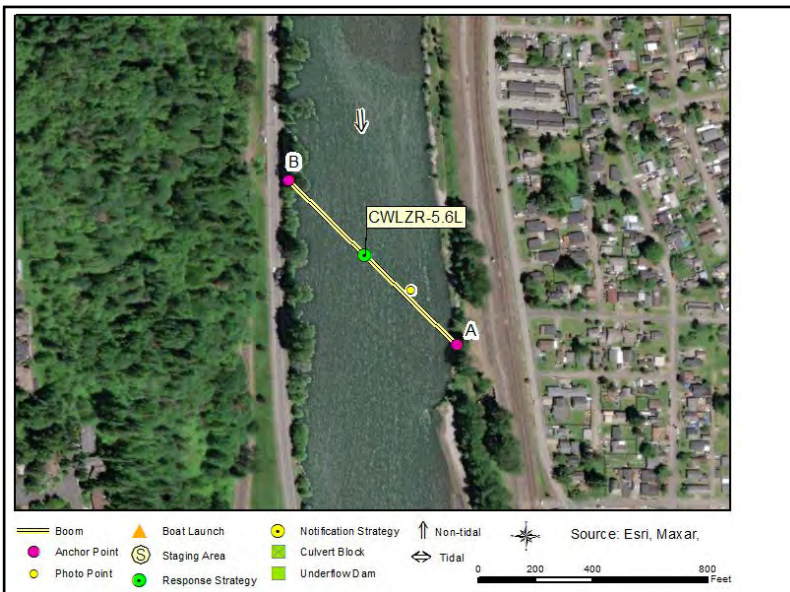
1. Head north on I-5
2. Take exit 39 to WA-4 W toward Kelso
3. Turn left on WA-4
4. Continue on Allen St Bridge
5. Turn right on WA-411
6. Boat launch is on the right.



## Cowlitz River Left Bank River Mile 5.6

CWLZR-5.6L

<b>Position - Location:</b>	46° 9.377', -122° 54.863'	46° 9' 22.6", -122° 54' 51.8"	46.15629, -122.91439	Kelso
<b>Strategy Objective:</b>	Collection : Collect oil moving downriver on the Cowlitz River.			
<b>Implementation:</b>	Using workboat, deploy 900ft boom on left bank at anchor point A. Secure remainder at anchor point B (north of culvert). Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.			
<b>Staging Area:</b>	Remote: Stage equipment at SA-CWLZR-6.4R Westside Highway in Kelso (829 Westside Hwy, Kelso, WA 98626).			
<b>Site Safety:</b>	Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard			
<b>Field Notes:</b>	Call City of Kelso before deployment (360-577-3130). The property at anchor point A is managed by the city.			
<b>Watercourse:</b>	River - Cowlitz River			
<b>Resources at Risk:</b>	Resident Fish, Salmonids			



### Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
900 Feet	Boom - B3 (River 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

## Cowlitz River Left Bank River Mile 5.6

CWLZR-5.6L



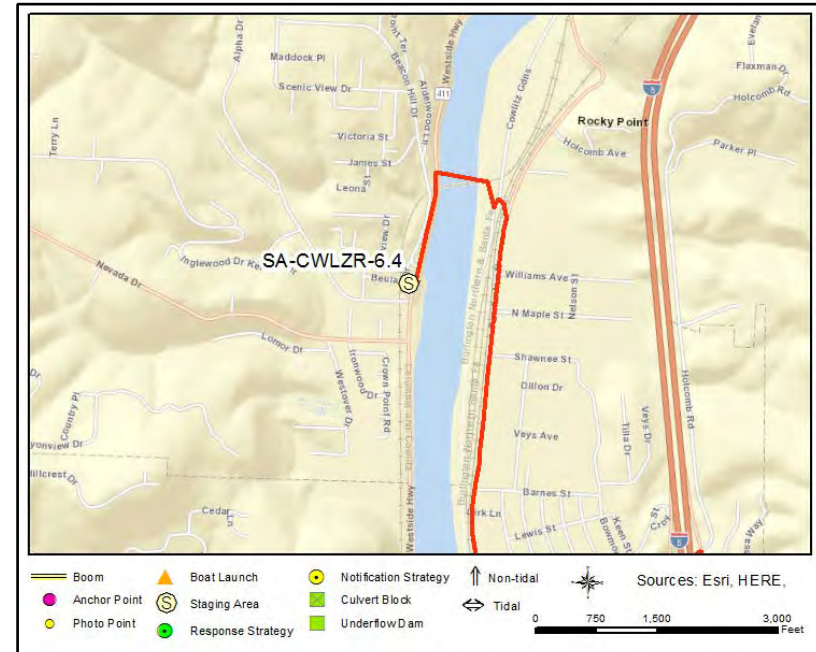
CWLZR-5.6L Photo: From middle of river, looking southeast towards anchor point A. Photo was taken in early June.

### Site Contact

**City of Kelso**  
Municipality (County/City) :  
360-423-1371

### Nearest Address

829 Westside Hwy  
Kelso, WA 98626



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Westside Highway in Kelso (SABL-CWLZR-6.4):

1. Head north on I-5
2. Take exit 39 to WA-4 W toward Kelso
3. Turn left on WA-4
4. Continue on Allen St Bridge
5. Turn right on WA-411
6. Boat launch is on the right.

## Cowlitz River Right Bank River Mile 6.4

CWLZR-6.4R

**Position - Location:** 46° 10.004', -122° 54.888' 46° 10' .2", -122° 54' 53.3" 46.16673, -122.91480 Kelso

**Strategy Objective:** Collection : Collect oil moving downriver on the Cowlitz River.

**Implementation:** Using workboat, deploy 500ft boom on right bank at anchor point A. Secure remainder at 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:** Onsite: Stage equipment at SA-CWLZR-6.4 Westside Highway in Kelso (829 Westside Hwy, Kelso, WA 98626).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Call Cowlitz County before deployment (360-577-3130).

**Watercourse:** River - Cowlitz River

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B3 (River 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



## Cowlitz River Right Bank River Mile 6.4

CWLZR-6.4R



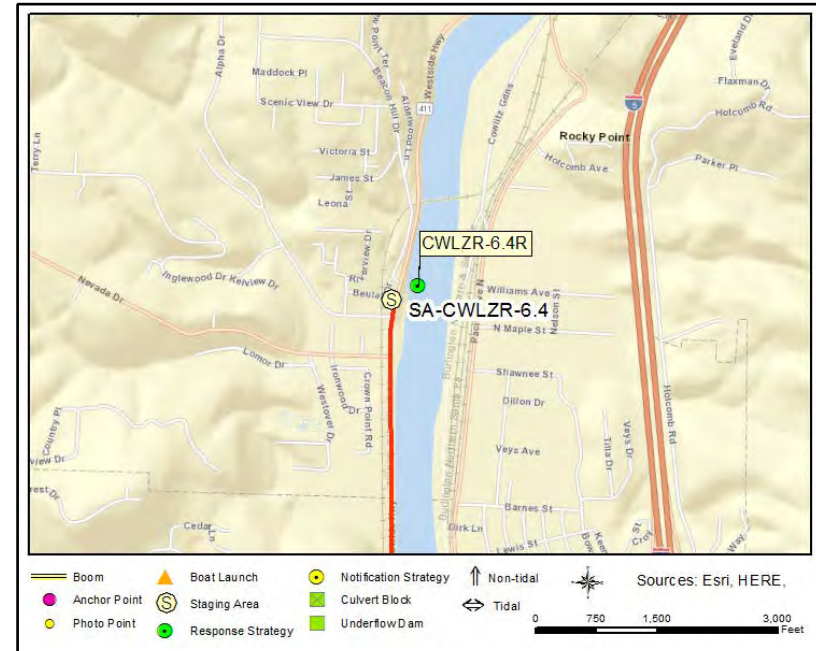
CWLZR-6.4R Photo: From river right, looking north towards anchor point B Bridge 7 in the background. Photo was taken in late August.

### Site Contact

**Cowlitz County**  
Municipality (County/City) : Emergency Management  
360-577-3130

### Nearest Address

829 Westside Hwy  
Kelso, WA 98626



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Westside Highway in Kelso (SABL-CWLZR-6.4):

1. Head north on I-5
2. Take exit 39 to WA-4 W toward Kelso
3. Turn left on WA-4
4. Continue on Allen St Bridge
5. Turn right on WA-411
6. Boat launch is on the right.



## Cowlitz River Left Bank River Mile 7.4

CWLZR-7.4L

**Position - Location:** 46° 10.642', -122° 54.249' 46° 10' 38.5", -122° 54' 14.9" 46.17736, -122.90415 Kelso

**Strategy Objective:** Collection : Collect oil moving downriver on the Cowlitz River.

**Implementation:** Using workboat, deploy 500ft boom on left bank at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.

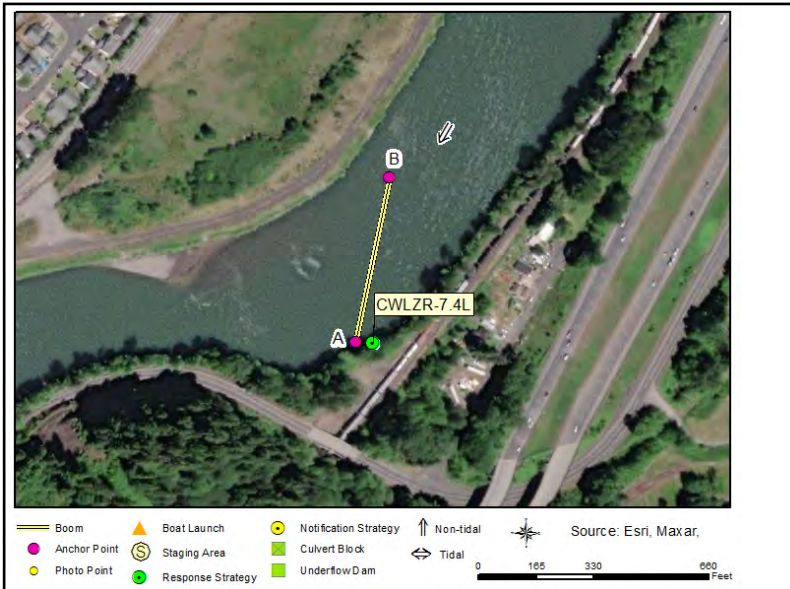
**Staging Area:** Remote: Stage equipment at SA-CWLZR-6.4 Westside Highway in Kelso (829 Westside Hwy, Kelso, WA 98626).

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

**Field Notes:** Call Cowlitz County before deployment (360-577-3130). The railroad tracks are owned by BNSF.

**Watercourse:** River - Cowlitz River

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B3 (River 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

## Cowlitz River Left Bank River Mile 7.4

CWLZR-7.4L



CWLZR-7.4L Photo: From river left, looking northeast towards anchor point B with Lexington Bridge Dr in the background. Photo was taken in late August.

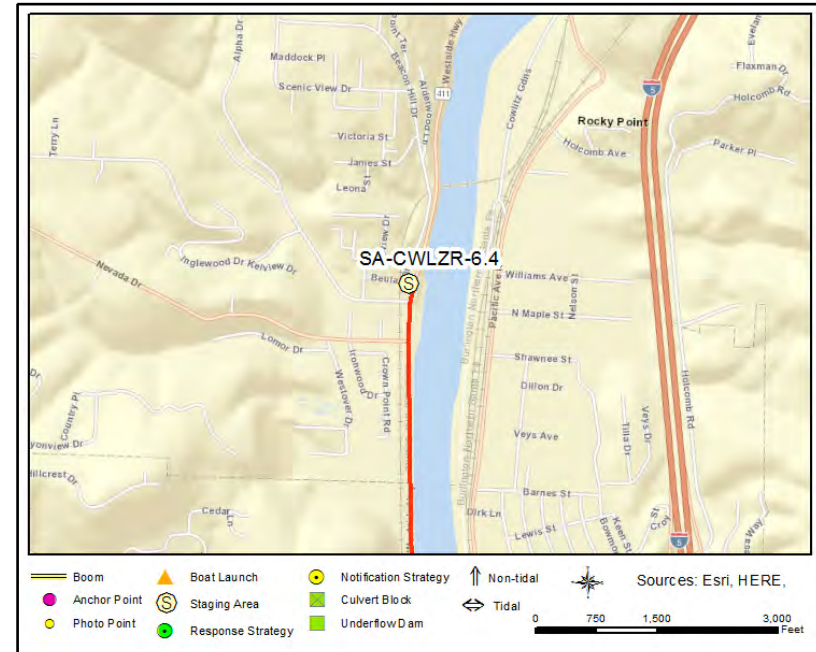
### Site Contact

**Cowlitz County**  
Municipality (County/City) : Emergency Management

Kelso, WA 98626  
360-577-3130

### Nearest Address

829 Westside Hwy  
Kelso, WA 98626



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Westside Highway in Kelso (SABL-CWLZR-6.4):

1. Head north on I-5
2. Take exit 39 to WA-4 W toward Kelso
3. Turn left on WA-4
4. Continue on Allen St Bridge
5. Turn right on WA-411
6. Boat launch is on the right.

Cowlitz River at Cook Ferry

CWLZR-15.8R

Cowlitz River at Cook Ferry

CWLZR-15.8R

<b>Position - Location:</b>	46° 15.784', -122° 54.045'	46° 15' 47.0", -122° 54' 2.7"	46.26306, -122.90075	Castle Rock
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**Strategy Objective:** Collection : Collect oil moving downriver on the Cowlitz River.

**Implementation:** Using workboat, deploy 400ft boom on right bank at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.

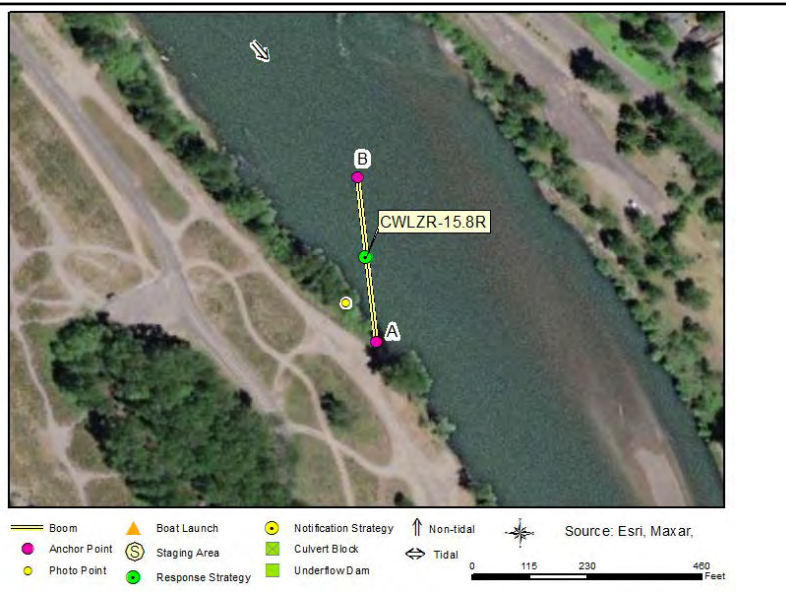
**Staging Area:** Remote: Stage equipment at SA-CWLZR-17.6 Al Helenberg Memorial Boat Launch (5040 Westside Hwy, Castle Rock, WA 98611).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Notify Cowlitz County before staging equipment (360-577-3130). The vacuum truck will need to drive to Cook Ferry Road.

**Watercourse:** River - Cowlitz River

**Resources at Risk:** Resident Fish, Salmonids



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3	Each	Anchoring System(s) - (anchor, lines, floats)
1	Each	Anchoring System(s)- Shoreside
400	Feet	Boom - B3 (River 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	
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1	Boat Operator
2	Laborer
1	Supervisor



CWLZR-15.8R Photo: From river right, looking north towards anchor point B with Lions Pride Park in the background. Photo was taken in late August.

## Site Contact

### Cowlitz County

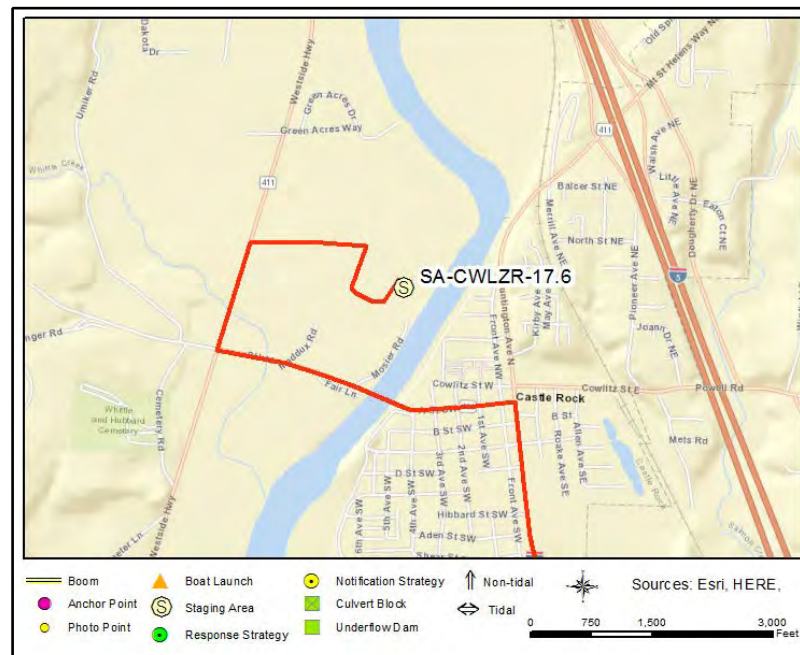
Municipality (County/City) : Emergency Management

Kelso, WA 98626

360-577-3130

## Nearest Address

5040 Westside Hwy  
Castle Rock, WA 98611



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Al Helenberg Memorial Boat Launch (SABL-CWLZR-17.6):

1. Head north on I-5
2. Take the ramp on the right at exit 48
3. Continue on I-5BL/Huntington Ave S. Drive to Mosier Rd
4. Turn left onto I-5BL/Huntington Ave S
5. Turn left onto WA-411 N/A St
6. Turn right onto Westside Hwy
7. Turn right into sports complex. Boat launch is behind the park.



## Lions Pride Park

CWLZR-15.9L

**Position - Location:** 46° 15.879', -122° 54.111' 46° 15' 52.7", -122° 54' 6.7" 46.26465, -122.90185 Castle Rock

**Strategy Objective:** Collection : Collect oil moving downriver on the Cowlitz River.

**Implementation:** Using workboat, deploy 500ft boom on left bank at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.

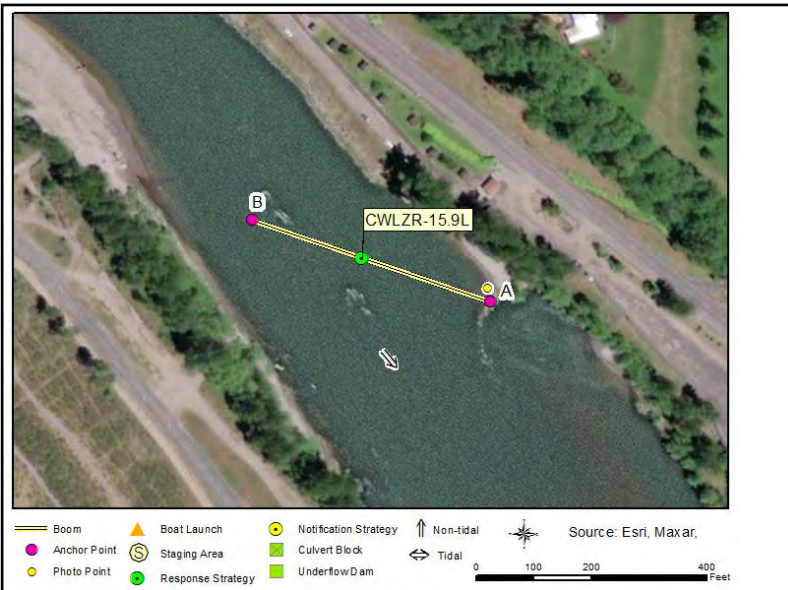
**Staging Area:** Remote: Stage equipment at SA-CWLZR-17.6 Al Helenberg Memorial Boat Launch (5040 Westside Hwy, Castle Rock, WA 98611).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Call the City of Castle Rock before deployment (360-274-7478).

**Watercourse:** River - Cowlitz River

**Resources at Risk:** City Park, Resident Fish, Salmonids



### Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B3 (River 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



CWLZR-15.9L Photo: From river left, looking northwest towards anchor point B with bend in the river in the background. Photo was taken in late August.

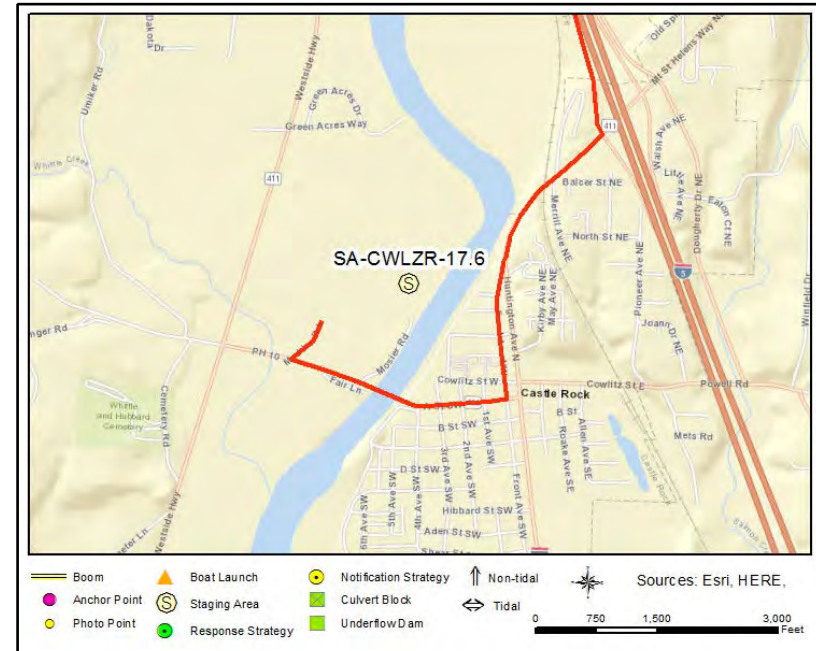
## Site Contact

### City of Castle Rock

Municipality (County/City) : Public Works  
360 "A" Street SW - P.O. Box 370  
Castle Rock, WA 98611  
360-274-7478

## Nearest Address

5040 Westside Hwy  
Castle Rock, WA 98611



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Al Helenberg Memorial Boat Launch (SABL-CWLZR-17.6):

1. Head north on I-5
2. Take the ramp on the right at exit 48
3. Continue on I-5BL/Huntington Ave S. Drive to Mosier Rd
4. Turn left onto I-5BL/Huntington Ave S
5. Turn left onto WA-411 N/A St
6. Turn right onto Westside Hwy
7. Turn right into sports complex. Boat launch is behind the park.

# Riverfront Trail in Castle Rock

CWLZR-17.4L

**Position - Location:** 46° 16.513', -122° 54.796' 46° 16' 30.8", -122° 54' 47.8" 46.27522, -122.91327 Castle Rock

**Strategy Objective:** Collection : Collect oil moving downriver on the Cowlitz River.

**Implementation:** Using workboat, deploy 500ft boom on left bank at anchor point A. Secure remainder across river at anchor point B on right bank. 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-CWLZR-17.6 Al Helenberg Memorial Boat Launch (5040 Westside Hwy, Castle Rock, WA 98611).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Call the City of Castle Rock before deployment (360-274-7478). The vac truck could park on A St or drive onto the Riverfront Trail to collect oil.

**Watercourse:** River - Cowlitz River

**Resources at Risk:** Resident Fish, Salmonids



## Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B3 (River 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



## Riverfront Trail in Castle Rock

CWLZR-17.4L



CWLZR-17.4L Photo: From the Riverfront Trail on river left, looking north towards anchor point B, underneath the A St bridge. Photo was taken in late August.

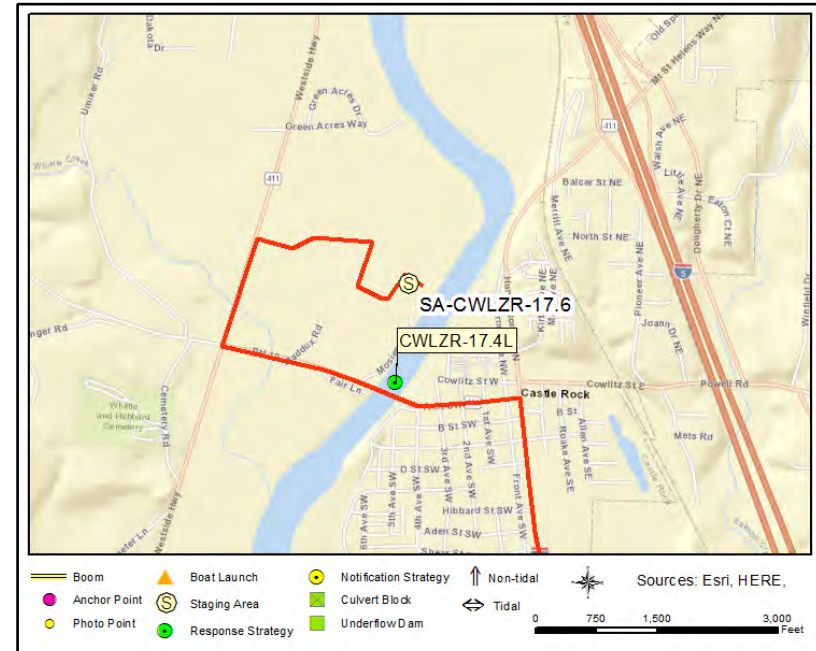
### Site Contact

#### City of Castle Rock

Municipality (County/City) : Public Works  
360 "A" Street SW - P.O. Box 370  
Castle Rock, WA 98611  
360-274-7478

### Nearest Address

5040 Westside Hwy  
Castle Rock, WA 98611



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Al Helenberg Memorial Boat Launch (SABL-CWLZR-17.6):

1. Head north on I-5
2. Take the ramp on the right at exit 48
3. Continue on I-5BL/Huntington Ave S. Drive to Mosier Rd
4. Turn left onto I-5BL/Huntington Ave S
5. Turn left onto WA-411 N/A St
6. Turn right onto Westside Hwy
7. Turn right into sports complex. Boat launch is behind the park.



## Cowlitz River River Mile 17.6

CWLZR-17.6R

**Position - Location:** 46° 16.691', -122° 54.648' 46° 16' 41.5", -122° 54' 38.9" 46.27819, -122.91080 Castle Rock

**Strategy Objective:** Collection : Collect oil moving downriver on the Cowlitz River.

**Implementation:** Using workboat, deploy 500ft boom on right bank at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.

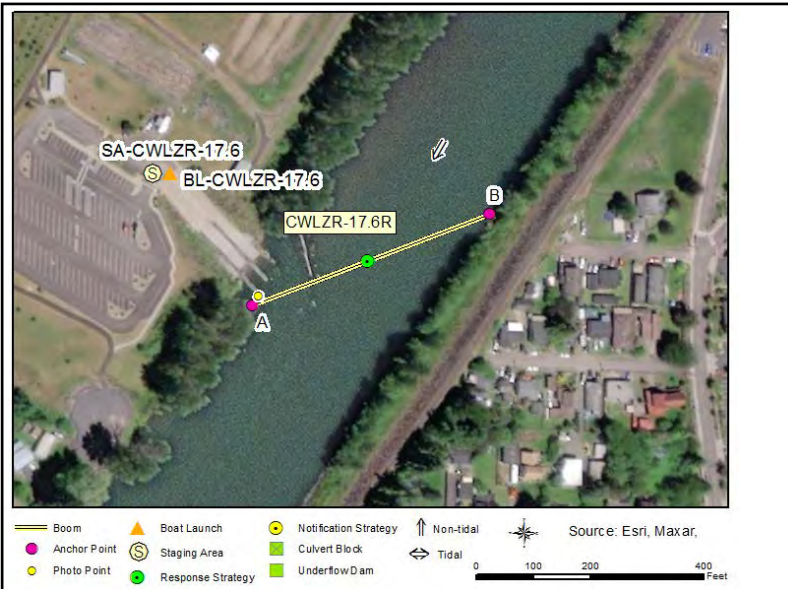
**Staging Area:** Onsite: Stage equipment at SA-CWLZR-17.6 Al Helenberg Memorial Boat Launch (5040 Westside Hwy, Castle Rock, WA 98611).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Call the City of Castle Rock before deployment (360-274-7478).

**Watercourse:** River - Cowlitz River

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B3 (River 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

## Cowlitz River River Mile 17.6

CWLZR-17.6R



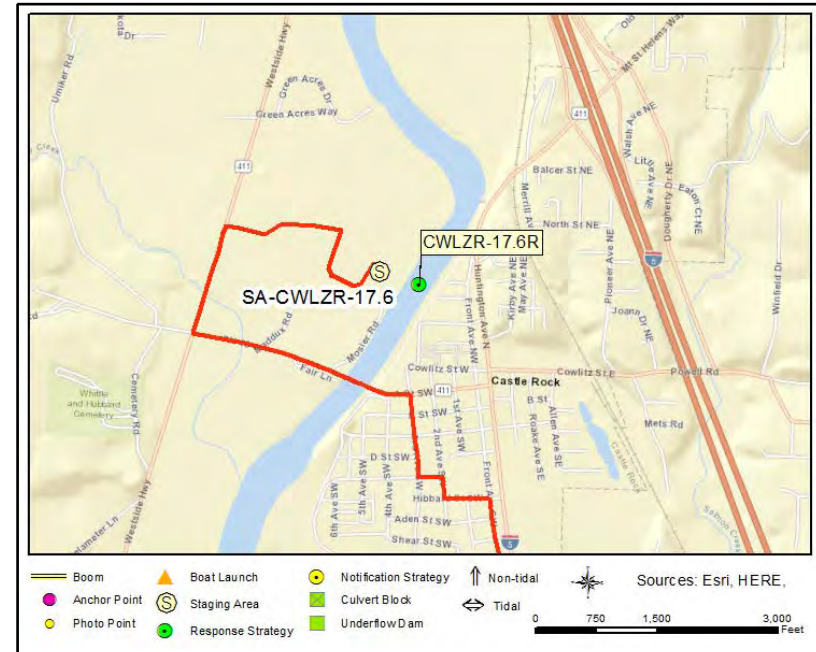
CWLZR-17.6R Photo: From the base of the Al Helenberg Memorial Boat Launch on river right, looking northeast towards anchor point B on the opposite riverbank. Photo was t

### Site Contact

**City of Castle Rock**  
Municipality (County/City) : Public Works  
360-274-7478

### Nearest Address

5040 Westside Hwy  
Castle Rock, WA 98611



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Al Helenberg Memorial Boat Launch (SABL-CWLZR-17.6):

1. Head north on I-5
2. Take the ramp on the right at exit 48
3. Continue on I-5BL/Huntington Ave S. Drive to Mosier Rd
4. Turn left onto I-5BL/Huntington Ave S
5. Turn left onto WA-411 N/A St
6. Turn right onto Westside Hwy
7. Turn right into sports complex. Boat launch is behind the park.

## Cowlitz River River Mile 23.6

CWLZR-23.6R

**Position - Location:** 46° 21.193', -122° 56.205' 46° 21' 11.6", -122° 56' 12.3" 46.35322, -122.93675 Castle Rock

**Strategy Objective:** Collection : Collect oil moving downriver on the Cowlitz River.

**Implementation:** Using workboat, deploy 400ft boom on right bank at anchor point A. Secure remainder at anchor point B in the middle of the river. 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-CWLZR-24.7 Olequa Creek WDFW Water Access Area (271 Miekler Rd, Castle Rock, WA 98611).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Call Lewis County before deployment (360-740-1151). Access for a vacuum truck may be difficult so collection may need to be done by skimmer.

**Watercourse:** River - Cowlitz River

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



### Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Vac Truck or Skimmer and Storage (if collection)
1 Each	Workboat(s) - of adequate size for type and amount of boom

### Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor





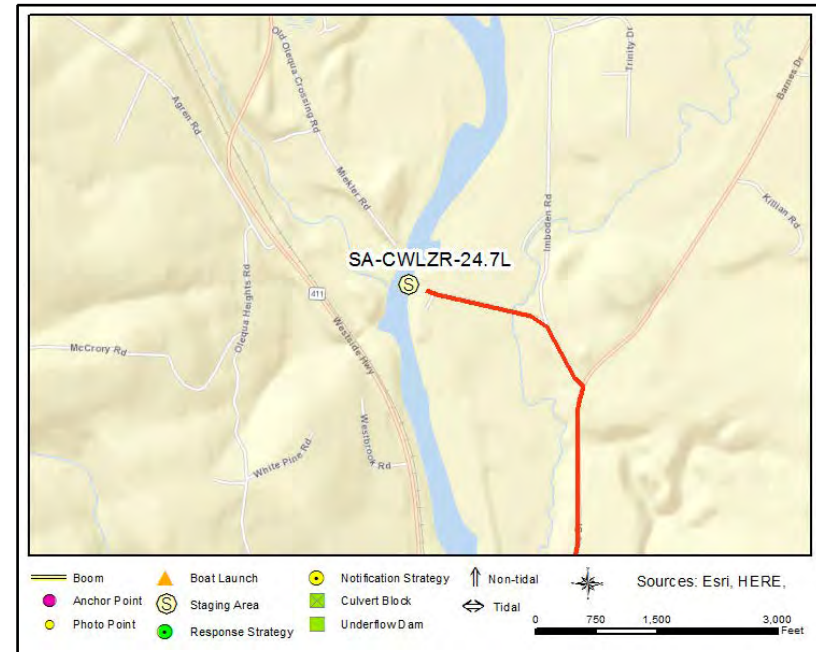
CWLZR-23.6R Photo: From middle of the river, looking northwest towards anchor point A on right bank. Photo was taken in early June.

#### Site Contact

**Lewis County**  
Municipality (County/City) : Emergency Management  
345 West Main Street  
Chehalis, WA 98532  
360-740-1151

#### Nearest Address

271 Miekler Rd  
Castle Rock, WA 98611



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Olequa Creek WDFW Water Access Area (SABL-CWLZR-24.7):

1. Head north on I-5
2. Take the ramp on the right at exit 52 toward Barnes Drive / Toutle Park Rd
3. At the stop sign, turn left on Old Pacific Hwy N
4. Continue forward on Barnes Dr
5. Turn left on Imboden Rd
6. Bear left on Miekler Rd
7. Park at the end of the road at either the upper or lower parking area



## Cowlitz River River Mile 24.7

CWLZR-24.7L

**Position - Location:** 46° 22.114', -122° 56.081' 46° 22' 6.8", -122° 56' 4.8" 46.36856, -122.93468 Castle Rock

**Strategy Objective:** Collection : Collect oil moving downriver on the Cowlitz River.

**Implementation:** Using workboat, deploy 400ft boom on left bank at anchor point A. Secure remainder at anchor point B next to the old bridge support. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.

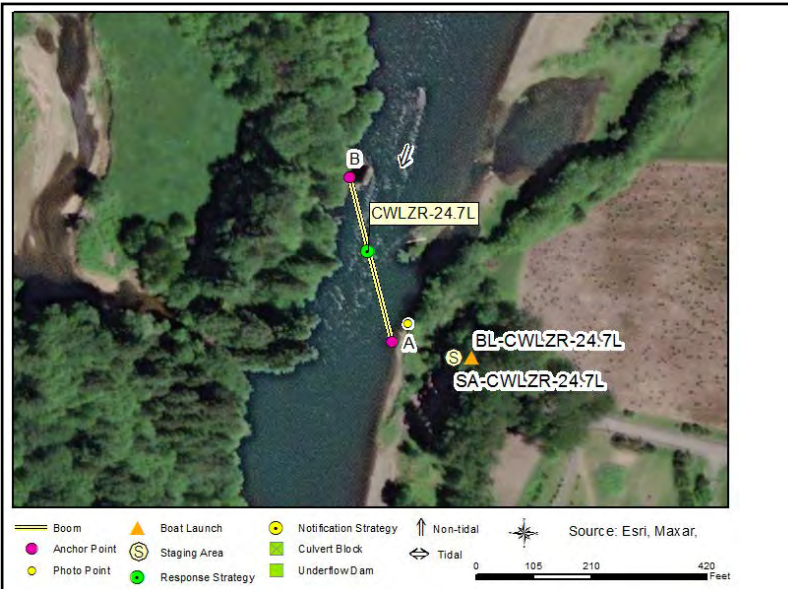
**Staging Area:** Onsite: Stage equipment at SA-CWLZR-24.7 Olequa Creek WDFW Water Access Area (271 Miekler Rd, Castle Rock, WA 98611).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Call WDFW Region 5 before deployment (360-696-6211).

**Watercourse:** River - Cowlitz River

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



### Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Vac Truck or Skimmer and Storage (if collection)
1 Each	Workboat(s) - of adequate size for type and amount of boom

### Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor



CWLZR-24.7L Photo: From river left, looking north northwest towards anchor point B next to the old bridge support. Photo was taken in early August.

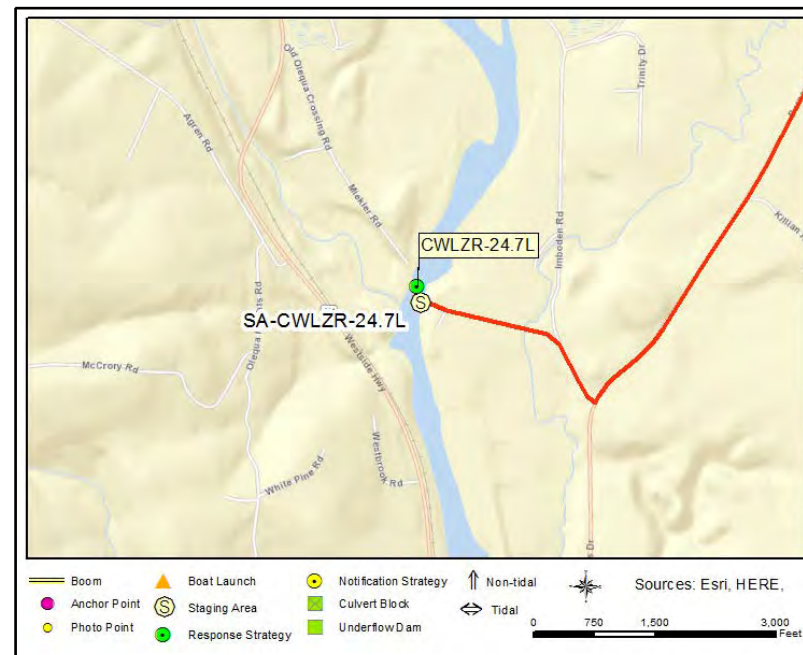
#### Site Contact

##### WDFW Region 5 (Southwest)

Land/Property Contact :  
2108 Grand Boulevard  
Ridgefield, WA 98642  
360-696-6211

#### Nearest Address

271 Miekler Rd  
Castle Rock, WA 98611



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Olequa Creek WDFW Water Access Area (SABL-CWLZR-24.7):

1. Head north on I-5
2. Take the ramp on the right at exit 52 toward Barnes Drive / Toutle Park Rd
3. At the stop sign, turn left on Old Pacific Hwy N
4. Continue forward on Barnes Dr
5. Turn left on Imboden Rd
6. Bear left on Miekler Rd
7. Park at the end of the road at either the upper or lower parking area

## Cowlitz River River Mile 26.5

CWLZR-26.5L

**Position - Location:** 46° 23.557', -122° 55.878' 46° 23' 33.4", -122° 55' 52.7" 46.39262, -122.93130 Castle Rock

**Strategy Objective:** Collection : Collect oil moving downriver on Cowlitz River.

**Implementation:** Using workboat, deploy 500ft boom on left bank at anchor point A. Secure remainder at 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-CWLZR-24.7 Olequa Creek WDFW Water Access Area (271 Miekler Rd, Castle Rock, WA 98611).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Stage equipment onsite but launch work boat (jet drive) from BL-CWLZR-24.7 (~1.8mi downstream). Follow WSDOT work zone traffic control guidelines when working on or near roadway.

**Watercourse:** River - Cowlitz River

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



### Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Vac Truck or Skimmer and Storage (if collection)
1 Each	Workboat(s) - of adequate size for type and amount of boom

### Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

## Cowlitz River River Mile 26.5

## CWLZR-26.5L



CWLZR-26.5L Photo: From river left, looking northwest towards anchor point B in the middle of the river.

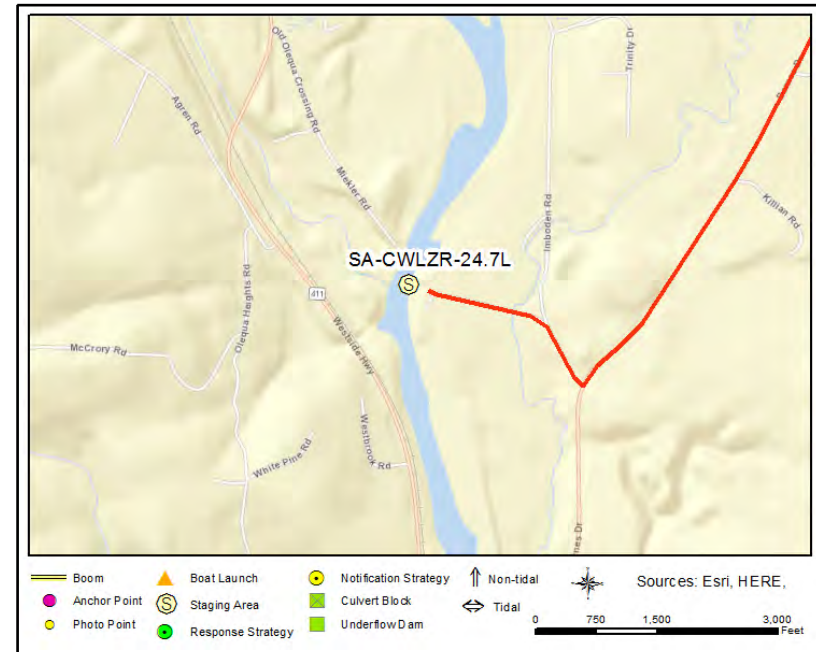
### Site Contact

#### Lewis County

Emergency Contact : Emergency Management  
360-740-1151

### Nearest Address

271 Miekler Rd  
Castle Rock, WA 98611



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Olequa Creek WDFW Water Access Area (SABL-CWLZR-24.7):

1. Head north on I-5
2. Take the ramp on the right at exit 52 toward Barnes Drive / Toutle Park Rd
3. At the stop sign, turn left on Old Pacific Hwy N
4. Continue forward on Barnes Dr
5. Turn left on Imboden Rd
6. Bear left on Miekler Rd
7. Park at the end of the road at either the upper or lower parking area



# Cowlitz River at City of Vader Water Intake

CWLZR-27.3R

**Position - Location:** 46° 24.427', -122° 55.954' 46° 24' 25.6", -122° 55' 57.3" 46.40711, -122.93257 Toledo

**Strategy Objective:** Collection : Collect oil moving downriver on Cowlitz River.

**Implementation:** Using workboat, deploy 800ft boom on right bank at anchor point A. Secure remainder to left bank at 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-CWLZR-29.9 I-5 WDFW Water Access Area (275 Mandy Rd, Toledo, WA 98591).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** Call Lewis County before deployment (360-740-1151). There is a notification strategy (water intake) near anchor point A.

**Watercourse:** River - Cowlitz River

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



## Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
800 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Vac Truck or Skimmer and Storage (if collection)
1 Each	Workboat(s) - of adequate size for type and amount of boom

## Recommended Personnel

1 Boat Operator
3 Laborer
1 Supervisor



CWLZR-27.3R Photo: From left bank (anchor point B), looking southwest towards anchor point A and City of Vader water intake below power lines. Photo taken in early June.

#### Site Contact

##### Lewis County

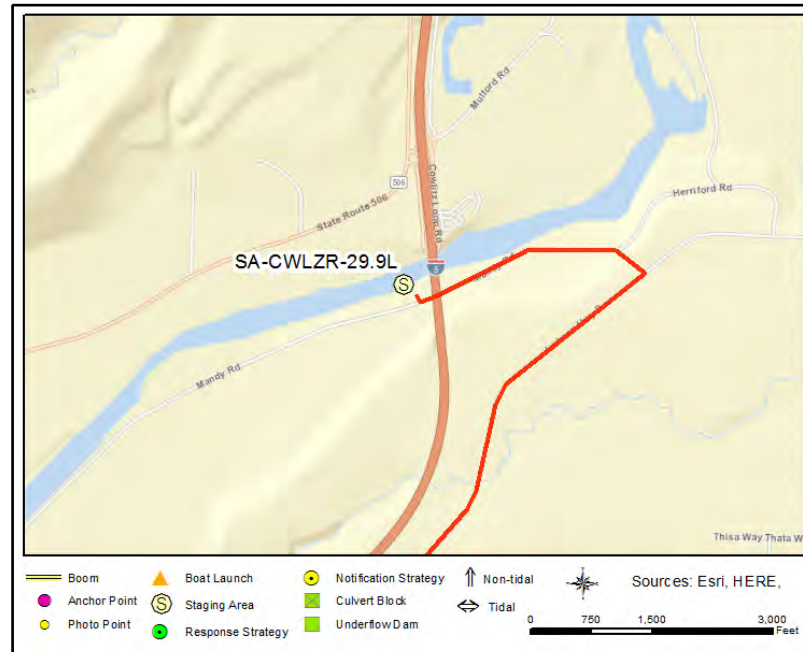
Municipality (County/City) : Emergency Management  
360-740-1151

##### City of Vader

Municipality (County/City) : City Hall  
360-295-3222

#### Nearest Address

275 Mandy Rd  
Toledo, WA 98591



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at I-5 WDFW Water Access Area (SABL-CWLZR-29.9L):

1. Head north on I-5
2. Take Exit 57
3. Continue on Rogers Rd
4. Turn right on Mandy Rd
5. Location is on the left

## Foster Creek Confluence with Cowlitz River

CWLZR-28.4L

<b>Position - Location:</b>	46° 24.115', -122° 54.963'	46° 24' 6.9", -122° 54' 57.8"	46.40191, -122.91605	Toledo
<b>Strategy Objective:</b>	Exclusion : Keep oil out of Foster Creek.			
<b>Implementation:</b>	On downstream (north) side of roadway, deploy 100ft hard boom across the mouth of the creek. Place multiple lengths of sorbent boom on north and south sides of bridge, upstream of hard boom. May be able to quickly deploy boom from bridge but WSDOT work zone traffic control guidelines must be followed. Use line and anchoring posts, trees, or existing structures to secure hard boom and sorbents to creek banks or bridge. Replace saturated sorbents as needed. Limited shoulder area - DO NOT BRING AN EQUIPMENT TRAILER to this site (use SA-CWLZR-29.8).			
<b>Staging Area:</b>	Onsite: Stage equipment onsite.			
<b>Site Safety:</b>	Vehicle Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard; Fiber-optic Cable			
<b>Field Notes:</b>	Call Lewis County before deployment (360-740-1151). Change strategy objective to collection if oil is moving downstream in Foster Creek.			
<b>Watercourse:</b>	River - Cowlitz River			
<b>Resources at Risk:</b>	Resident Fish, Salmonids			



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line

### Recommended Personnel

2	Laborer
1	Supervisor

## Foster Creek Confluence with Cowlitz River

CWLZR-28.4L



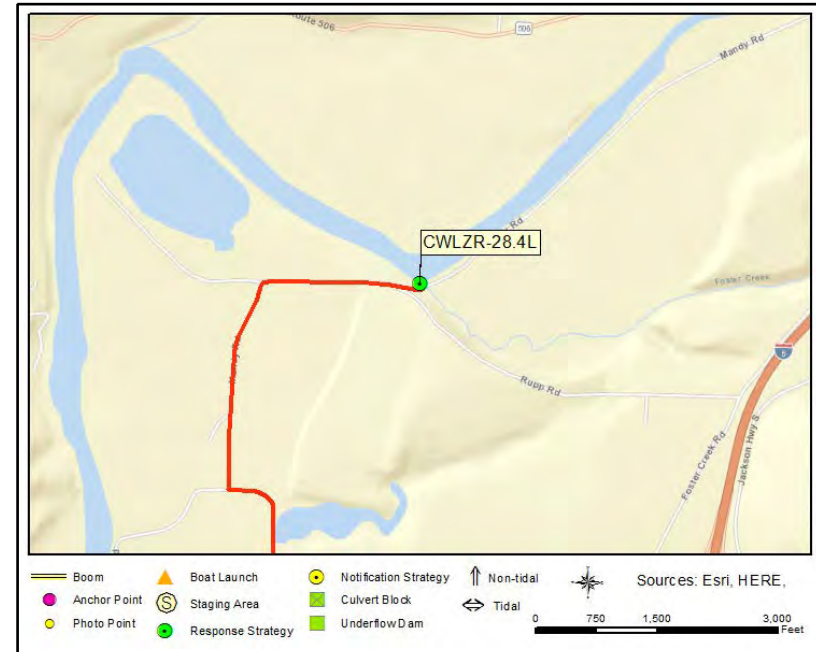
CWLZR-28.4L Photo: From Mandy Rd, looking northwest towards mouth of Foster Creek with Cowlitz River in the background.

### Site Contact

**Lewis County**  
Municipality (County/City) : Emergency Management  
345 West Main Street  
Chehalis, WA 98532  
360-740-1151

### Nearest Address

500 Mandy Rd  
Toledo, WA 98591



### Driving Directions

1. Head north on I-5
2. Take Exit 57
3. Continue on Rogers Rd
4. Turn right on Mandy Rd
5. Location is to the left of the bridge over Foster Creek



## I-5 WDFW Water Access Area

CWLZR-29.9R

**Position - Location:** 46° 24.853', -122° 53.436' 46° 24' 51.2", -122° 53' 26.2" 46.41422, -122.89060 Toledo

**Strategy Objective:** Collection : Collect oil moving downriver on Cowlitz River.

**Implementation:** Using workboat, deploy 500ft boom on left bank at anchor point A. Secure remainder to right bank at 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:** Onsite: Stage equipment at SA-CWLZR-29.9 I-5 WDFW Water Access Area (275 Mandy Rd, Toledo, WA 98591).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** Call WDFW Region 5 before deployment (360-696-6211).

**Watercourse:** River - Cowlitz River

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



### Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
100 Feet	Line - 1/2" poly line
1 Each	Vac Truck or Skimmer and Storage (if collection)
1 Each	Workboat(s) - of adequate size for type and amount of boom

### Recommended Personnel

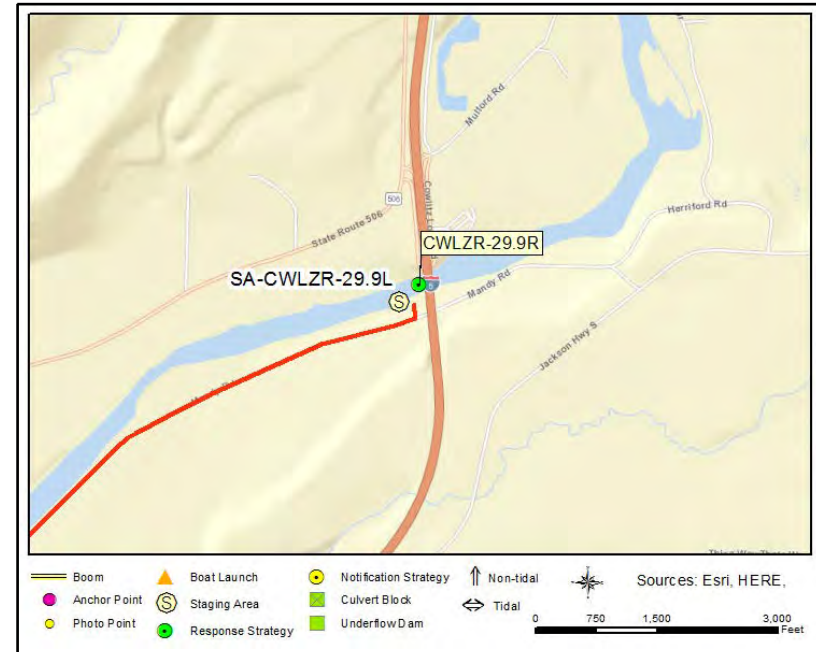
1 Boat Operator
3 Laborer
1 Supervisor

## I-5 WDFW Water Access Area

CWLZR-29.9R



CWLZR-29.9R Photo: From staging area/boat launch on river left, looking northeast towards anchor point B.



### Site Contact

#### WDFW Region 5 (Southwest)

Land/Property Contact :  
2108 Grand Boulevard  
Ridgefield, WA 98642  
360-696-6211

### Nearest Address

275 Mandy Rd  
Toledo, WA 98591

### Driving Directions

TO STAGING AREA/BOAT LAUNCH at I-5 WDFW Water Access Area (SABL-CWLZR-29.9):

1. Head north on I-5
2. Take Exit 57
3. Continue on Rogers Rd
4. Turn right on Mandy Rd
5. Location is on the left

## Cowlitz River Tributary at Pleasant Hill Road

CWLZRT-0.1

**Position - Location:** 46° 14.269', -122° 53.330' 46° 14' 16.2", -122° 53' 19.8" 46.23782, -122.88883 Kelso

**Strategy Objective:** Collection : Collect oil moving downstream on a tributary stream of the Cowlitz River.

**Implementation:** Deploy 100ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom.

**Staging Area:** Onsite: Stage equipment onsite.

**Site Safety:** Train Traffic; Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** Call Cowlitz County before deployment (360-577-3130). Also, alert BNSF Railway (817-593-6823).

**Watercourse:** Creek - Tributary to Cowlitz River

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor

## Cowlitz River Tributary at Pleasant Hill Road

CWLZRT-0.1



CWLZRT-0.1 Photo: From train tracks, looking east towards the bridge under the road. Photo was taken in late August.

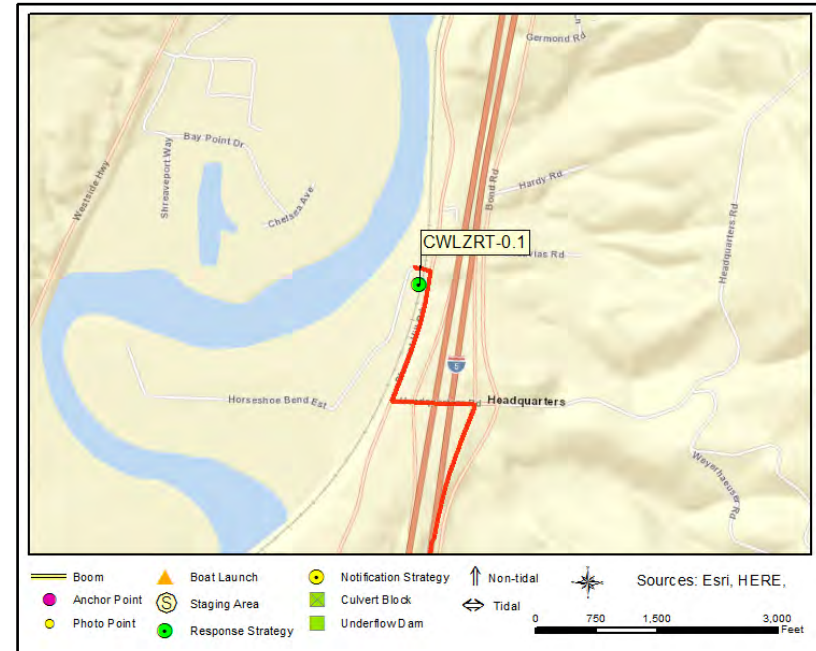
### Site Contact

**Cowlitz County**  
Municipality (County/City) : Emergency Management

Kelso, WA 98626  
360-577-3130

### Nearest Address

5210 Pleasant Hill Rd  
Kelso, WA 98626



### Driving Directions

1. Head north on I-5
2. Take exit 46 to Headquarters Road toward Pleasant Hill Rd
4. Turn left on Headquarters Rd
5. Make sharp right on Pleasant Hill Rd
6. Location is on the left. Park in the open area past the train tracks.



## Coweeman River Left Bank Backwater

CWMR-0.1L

**Position - Location:** 46° 6.468', -122° 53.273' 46° 6' 28.1", -122° 53' 16.4" 46.10780, -122.88788 Longview

**Strategy Objective:** Exclusion : Keep oil out of area on left bank of Coweeman River.

**Implementation:** Using workboat, deploy 100ft boom at anchor point A. Secure remainder at 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-CWLZR-1.6R Gerhart Gardens Park (40 Tennant Way, Longview, WA 98632).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Call Cowlitz County before deployment (360-577-3130).

**Watercourse:** River - Coweeman River

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

2 Each	Anchoring System(s)- Shoreside
100 Feet	Boom - B3 (River 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

## Cowee-man River Left Bank Backwater

CWMR-0.1L



CWMR-0.1L Photo: From the right bank of the Coweeman River, looking east into the backwater. Photo was taken in early September.

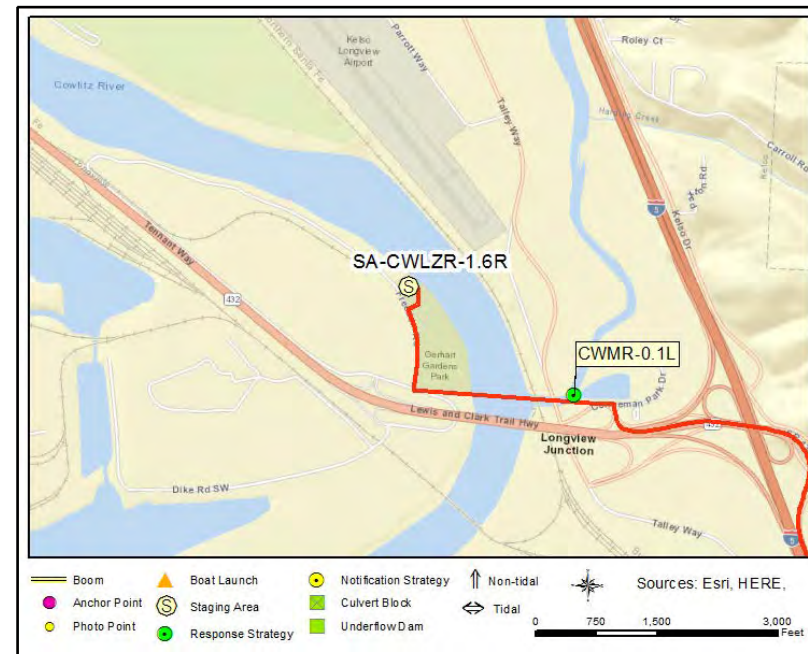
### Site Contact

**Cowlitz County**  
Municipality (County/City) : Emergency Management

Kelso, WA 98626  
360-577-3130

### Nearest Address

40 Tennant Way  
Longview, WA 98632



### Driving Directions

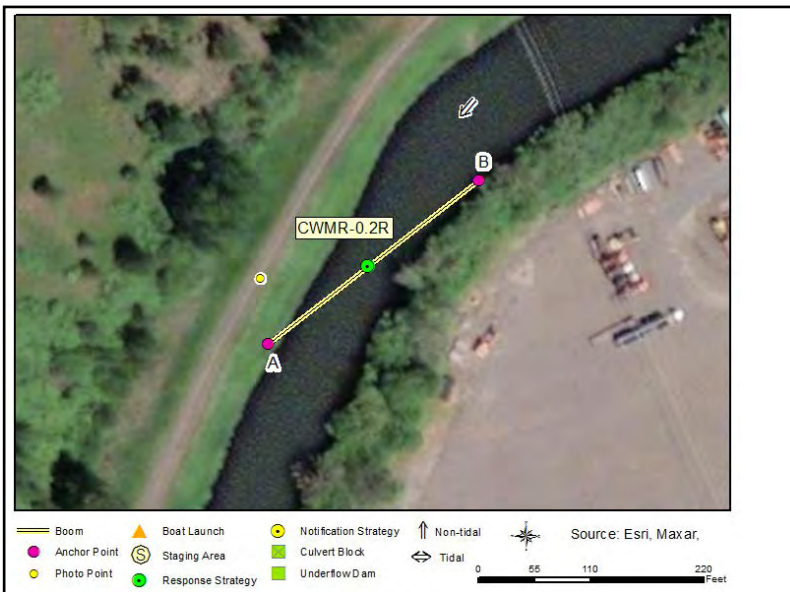
TO STAGING AREA/BOAT LAUNCH at Gerhart Gardens Park (SABL-CWLZR-1.6R):

1. Head north on I-5
2. Take the ramp on the right at exit 36
3. Continue onto WA-432 W
4. Take the exit toward Frontage Rd
5. Drive to Freedom Rd
6. Turn right onto Frontage Rd
7. Turn left onto Freedom Rd. Boat launch is on the right.

## Coweeman River Right Bank Pedestrian Trail

CWMR-0.2R

<b>Position - Location:</b>	46° 6.577', -122° 53.225'	46° 6' 34.6", -122° 53' 13.5"	46.10961, -122.88708	Longview
<b>Strategy Objective:</b>	Collection : Collect oil moving downriver on the Coweeman River.			
<b>Implementation:</b>	Using workboat, deploy 300ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.			
<b>Staging Area:</b>	Remote: Stage equipment at SA-CWLZR-1.6R Gerhart Gardens Park (40 Tennant Way, Longview, WA 98632).			
<b>Site Safety:</b>	Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard			
<b>Field Notes:</b>	The vacuum truck will need to drive to Talley Way in Kelso to reach the strategy location. The City of Kelso manages the pedestrian trail. Call the city before deployment (360-423-1371).			
<b>Watercourse:</b>	River - Coweeman River			
<b>Resources at Risk:</b>	Resident Fish, Salmonids			



### Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
300	Feet	Boom - B3 (River Boom) or equivalent
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
2	Laborer
1	Supervisor

## Coweeman River Right Bank Pedestrian Trail

CWMR-0.2R



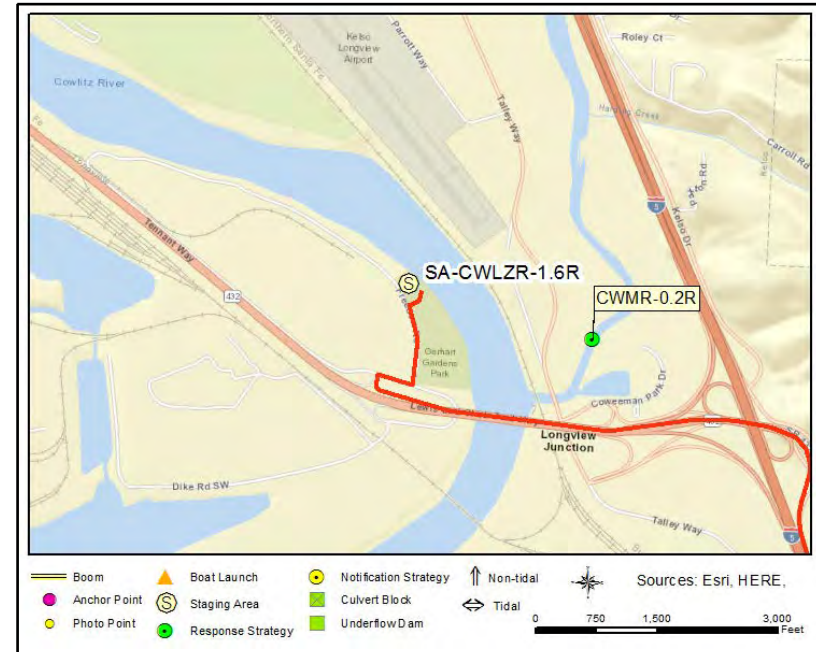
CWMR-0.2R Photo: From the right bank of the Coweeman River, looking northeast/upriver. Photo was taken in early September.

### Site Contact

**City of Kelso**  
Municipality (County/City) :  
360-423-1371

### Nearest Address

40 Tennant Way  
Longview, WA 98632



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Gerhart Gardens Park (SABL-CWLZR-1.6R):

1. Head north on I-5
2. Take the ramp on the right at exit 36
3. Continue onto WA-432 W
4. Take the exit toward Frontage Rd
5. Drive to Freedom Rd
6. Turn right onto Frontage Rd
7. Turn left onto Freedom Rd. Boat launch is on the right.



## Coweeman River Left Bank Wetland

CWMR-0.4L

**Position - Location:** 46° 6.655', -122° 53.108' 46° 6' 39.3", -122° 53' 6.5" 46.11091, -122.88514 Longview

**Strategy Objective:** Exclusion : Keep oil out of the wetland on the left bank of the Coweeman River.

**Implementation:** Using workboat, deploy 200ft boom at anchor point A. Secure remainder at 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-CWLZR-1.6R Gerhart Gardens Park (40 Tennant Way, Longview, WA 98632).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Call Cowlitz County before deployment (360-577-3130).

**Watercourse:** River - Coweeman River

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



### Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B3 (River 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

## Coweeman River Left Bank Wetland

CWMR-0.4L



CWMR-0.4L Photo: From the right bank of the Coweeman River, looking east/across the river towards the wetland. Photo was taken in early September.

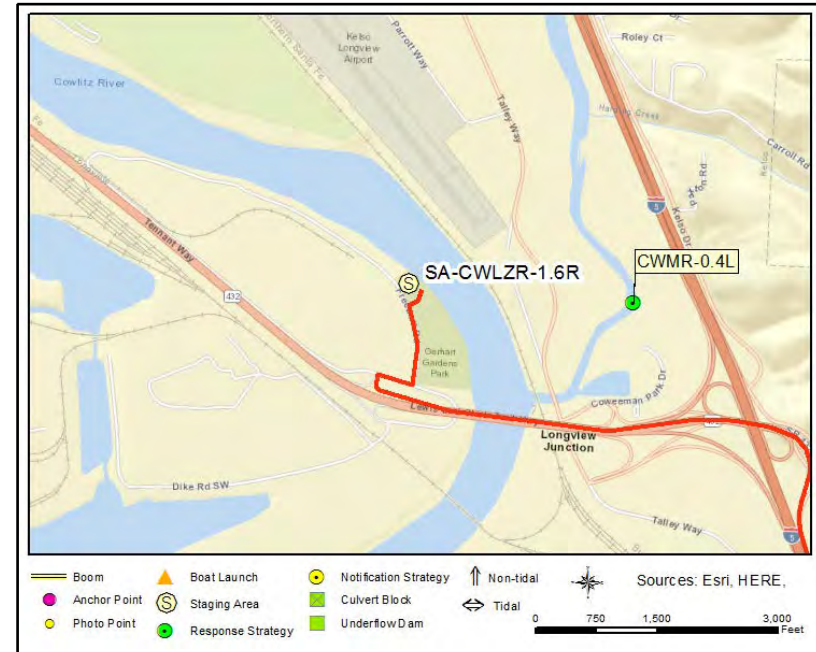
### Site Contact

**Cowlitz County**  
Municipality (County/City) : Emergency Management

Kelso, WA 98626  
360-577-3130

### Nearest Address

40 Tennant Way  
Longview, WA 98632



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Gerhart Gardens Park (SABL-CWLZR-1.6R):

1. Head north on I-5
2. Take the ramp on the right at exit 36
3. Continue onto WA-432 W
4. Take the exit toward Frontage Rd
5. Drive to Freedom Rd
6. Turn right onto Frontage Rd
7. Turn left onto Freedom Rd. Boat launch is on the right.

## Coweeman River at Grade Street

CWMR-1.4R

<b>Position - Location:</b>	46° 8.155', -122° 54.020'	46° 8' 9.3", -122° 54' 1.2"	46.13591, -122.90034	Kelso
<b>Strategy Objective:</b>	Collection : Collect oil moving downriver on the Coweeman River.			
<b>Implementation:</b>	Using workboat, deploy 200ft boom on right bank at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.			
<b>Staging Area:</b>	Onsite: Stage equipment onsite.			
<b>Site Safety:</b>	Slips, Trips, Falls; Uneven Surfaces; Water Hazard			
<b>Field Notes:</b>	Call Cowlitz County before deployment (360-577-3130).			
<b>Watercourse:</b>	River - Coweeman River			
<b>Resources at Risk:</b>	Resident Fish, Salmonids, Wetlands			



### Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B3 (River Boom) or equivalent
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
2	Laborer
1	Supervisor



## Coweeman River at Grade Street

## CWMR-1.4R



CWMR-1.4R Photo: From river right, looking east towards anchor point B across the river. Photo was taken in early September.

### Site Contact

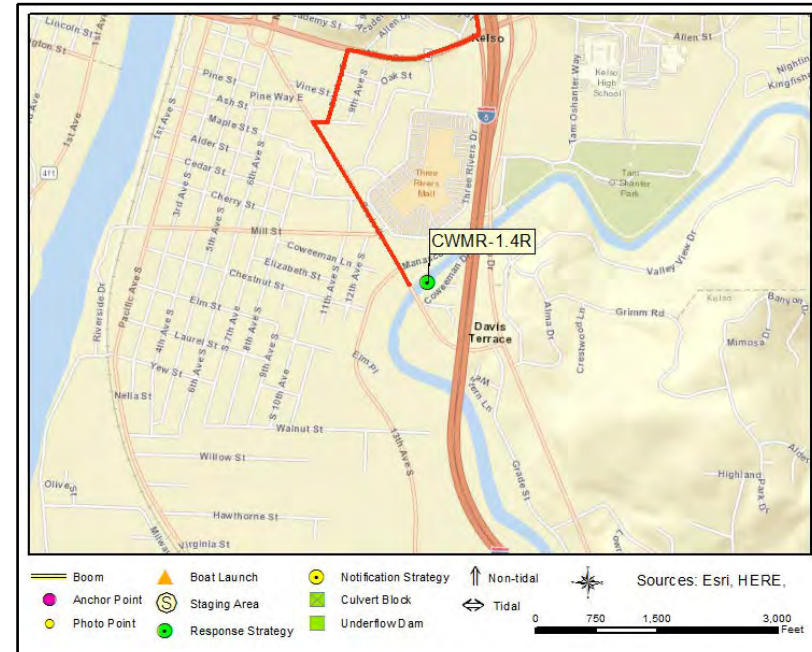
#### Cowlitz County

Municipality (County/City) : Emergency Management

Kelso, WA 98626  
360-577-3130

### Nearest Address

1000 13th Ave S  
Kelso, WA 98626



### Driving Directions

1. Head south on I-5
2. Take exit 39 on the right to WA-4 / Allen Street toward Kelso
3. At the traffic light, turn right on Allen St (WA-4)
4. Turn left on 8th Ave S
5. Turn right on Ash St, then make a sharp left on Grade St
6. At the traffic light, turn right on 13th Ave S
7. Park on or near the pedestrian trail north of the river



## Coweeman River at Coweeman Drive

CWMR-1.6L

<b>Position - Location:</b>	46° 8.257', -122° 53.869'	46° 8' 15.4", -122° 53' 52.1"	46.13762, -122.89781	Kelso
<b>Strategy Objective:</b>	Collection : Collect oil moving downriver on the Coweeman River			
<b>Implementation:</b>	Using workboat, deploy 400ft boom on left bank at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.			
<b>Staging Area:</b>	Onsite: Stage equipment onsite.			
<b>Site Safety:</b>	Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard			
<b>Field Notes:</b>	Call Cowlitz County before deployment (360-577-3130).			
<b>Watercourse:</b>	River - Coweeman River			
<b>Resources at Risk:</b>	Resident Fish, Salmonids, Wetlands			



### Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - (hand-launch)

### Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

## Coweeman River at Coweeman Drive

CWMR-1.6L



CWMR-1.6L Photo: From river left, looking northeast towards anchor point B near Kelso Drive Bridge. Photo was taken in early September.

### Site Contact

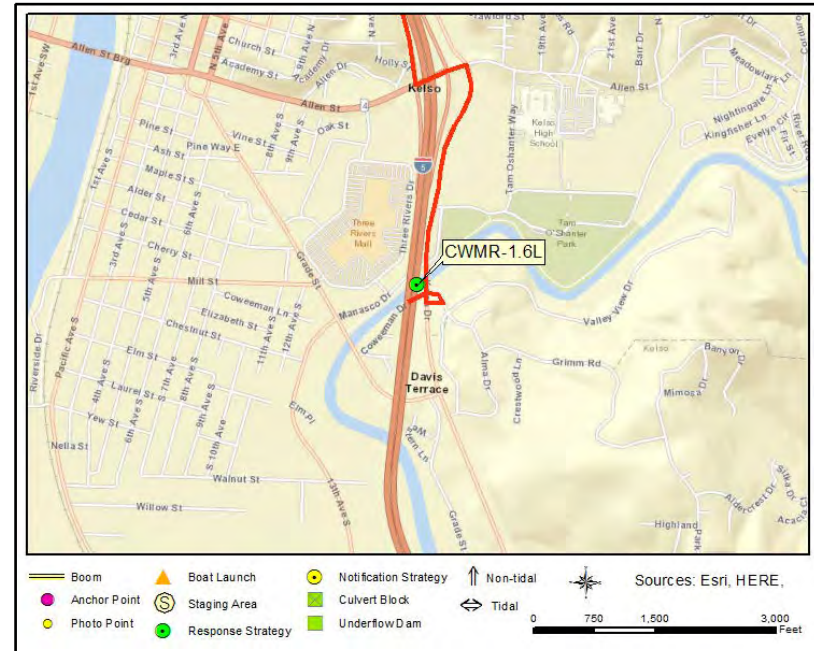
#### Cowlitz County

Municipality (County/City) : Emergency Management

Kelso, WA 98626  
360-577-3130

### Nearest Address

1700 Coweeman Dr  
Kelso, WA 98626



### Driving Directions

1. Head south on I-5
2. Take exit 39 on the right to WA-4 / Allen Street toward Kelso
3. At the traffic light, turn left on Allen St (WA-4)
4. At the traffic light, turn right on Kelso Dr
5. Turn left on Russell St, then turn left on Coweeman Dr
6. Parking is on the right under the bridges

## Coweeman River Tributary at Allen Street

CWMRT-0.3

<b>Position - Location:</b>	46° 8.647', -122° 52.664'	46° 8' 38.8", -122° 52' 39.9"	46.14411, -122.87774	Kelso
<b>Strategy Objective:</b>	Collection : Collect oil moving downstream on Coweeman River tributary.			
<b>Implementation:</b>	Deploy 100ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.			
<b>Staging Area:</b>	Onsite: Stage equipment onsite.			
<b>Site Safety:</b>	Slips, Trips, Falls; Uneven Surfaces; Water Hazard			
<b>Field Notes:</b>	Call Cowlitz County before deployment (360-577-3130).			
<b>Watercourse:</b>	Creek - Unnamed tributary of Coweeman River			
<b>Resources at Risk:</b>	Resident Fish, Salmonids			



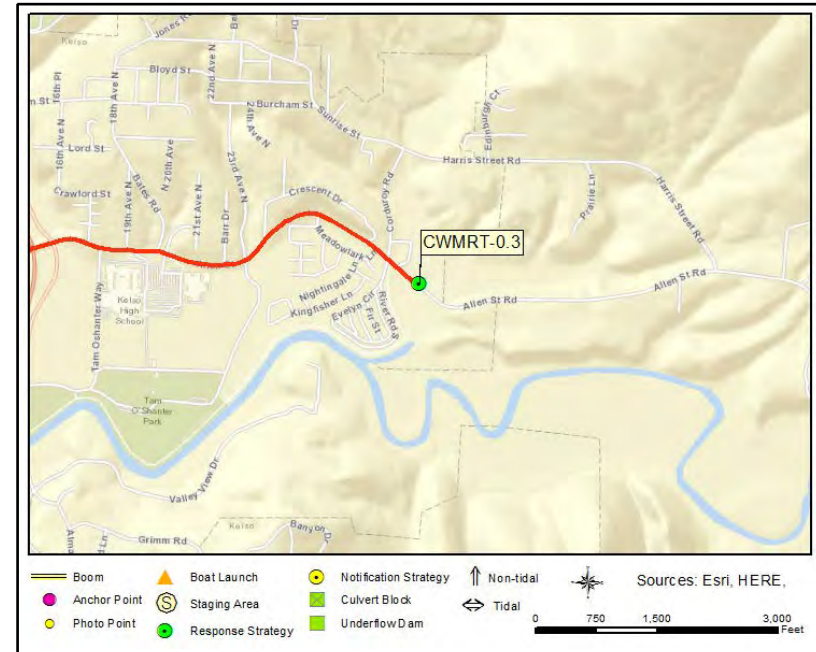
Recommended Equipment	
2 Each	Anchoring System(s)- Shoreside
100 Feet	Boom - B3 (River Boom) or equivalent
100 Feet	Line - 1/2" poly line
1 Each	Vac Truck or Skimmer and Storage
Recommended Personnel	
2 Laborer	
1 Supervisor	

## Coweeman River Tributary at Allen Street

CWMRT-0.3



CWMRT-0.3 Photo: From the road, looking north across a large wetland. Photo was taken in late August.



### Site Contact

**Cowlitz County**  
Municipality (County/City) : Emergency Management

Kelso, WA 98626  
360-577-3130

### Nearest Address

2700 Allen St  
Kelso, WA 98626

### Driving Directions

1. Head south on I-5
2. Take exit 39 to WA-4 toward Kelso
3. Turn left on WA-4 (Allen St)
4. Continue on Allen St
5. Location is on left



## Gee Creek at Abrams Park

GEEC-4.7

**Position - Location:** 45° 49.081', -122° 44.329' 45° 49' 4.8", -122° 44' 19.8" 45.81801, -122.73882 Ridgefield

**Strategy Objective:** Collection : Collect oil moving downstream on Gee Creek.

**Implementation:** Deploy 100ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom.

**Staging Area:** Onsite: Stage equipment onsite.

**Site Safety:** Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** The park is managed by the City of Ridgefield. Call Clark County before deployment (360-992-6285).

**Watercourse:** Creek - Gee Creek

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



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage (if collection)

### Recommended Personnel

2	Laborer
1	Supervisor



GEEC-4.7 Photo: From right bank of creek, looking north towards pedestrian bridge. Photo was taken in mid-October.

#### Site Contact

##### Clark Regional Emergency Services (CRESA)

Municipality (County/City) :

360-992-6285

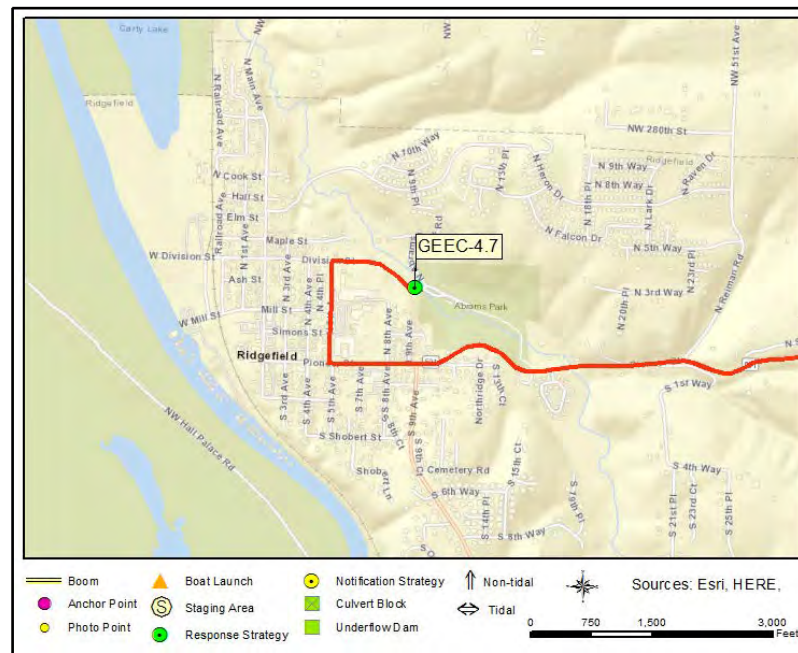
##### City of Ridgefield - Public Works

Land/Property Contact : Afterhours: 360-518-8146

360-887-3897

#### Nearest Address

400 Abrams Park Rd  
Ridgefield, WA 98642



#### Driving Directions

1. Head south on I-5
2. Take Exit 14 (Hwy 501 Ridgefield/Battle Ground))
3. Turn right at the end of exit ramp onto NW 269th Street/Pioneer Street
4. Stay straight through the traffic circle to remain on NW 269th Street/Pioneer Street (Hwy 501).
5. Stay straight through the traffic circle to remain on NW 269th Street/Pioneer Street (Hwy 501).
6. Turn right onto N 5th Avenue
7. Turn right onto Division Street
8. Location is on the left

## Gee Creek Rest Area (I-5 Northbound)

GEEC-10.0

**Position - Location:** 45° 46.601', -122° 40.181' 45° 46' 36.0", -122° 40' 10.9" 45.77668, -122.66969 Ridgefield

**Strategy Objective:** Collection : Collect oil moving downstream on Gee Creek tributary.

**Implementation:** Deploy 100ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom.

**Staging Area:** Onsite: Stage equipment onsite.

**Site Safety:** Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** Cap the catch basin in order to prevent oil from entering it. Call WSDOT before deployment (360-905-2000).

**Watercourse:** Creek - Gee Creek Tributary

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

4 Each	Anchoring System(s)- Shoreside
200 Feet	Boom - Sorbent
1 Each	Heaving Line(s)
100 Feet	Line - 3/8" poly line

### Recommended Personnel

2 Laborer
1 Supervisor





GEEC-10.0 Photo: From trail on left side of creek, looking downstream. Photo was taken in late October.

## Site Contact

**Washington Dept. of Transportation**  
Land/Property Contact : SW Region  
4200 Main Street  
Vancouver, WA 98682  
360-905-2000

## Nearest Address

21903 NE 10th Ave  
Ridgefield, WA 98642



## Driving Directions

1. Head north on Interstate 5 and take Exit 11 (NE 219th Street).
2. Keep left within ramp and follow road towards Gee Creek Rest Area.
3. Keep left to enter the car/automobile side of the rest area.
4. Watercourse is to the west of the parking lot.



## Hill Creek

HILLC-0.9

**Position - Location:** 46° 22.036', -122° 55.768' 46° 22' 2.1", -122° 55' 46.1" 46.36726, -122.92947 Castle Rock

**Strategy Objective:** Collection : Collect oil moving downstream on Hill Creek.

**Implementation:** Deploy 100ft boom on left bank at anchor point A. Secure remainder to right bank at 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:** Onsite: Stage equipment onsite.

**Site Safety:** Slips, Trips, Falls; Uneven Surface; Vegetation; Water Hazard

**Field Notes:** Call Cowlitz County before deployment (360-577-3130).

**Watercourse:** Creek - Hill Creek

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



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Machete(s) - (or other vegetation cutting tool)
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor

## Hill Creek

HILLC-0.9



HILLC-0.9 Photo: From left bank under the bridge, looking south/downstream the creek. Photo was taken in early August.

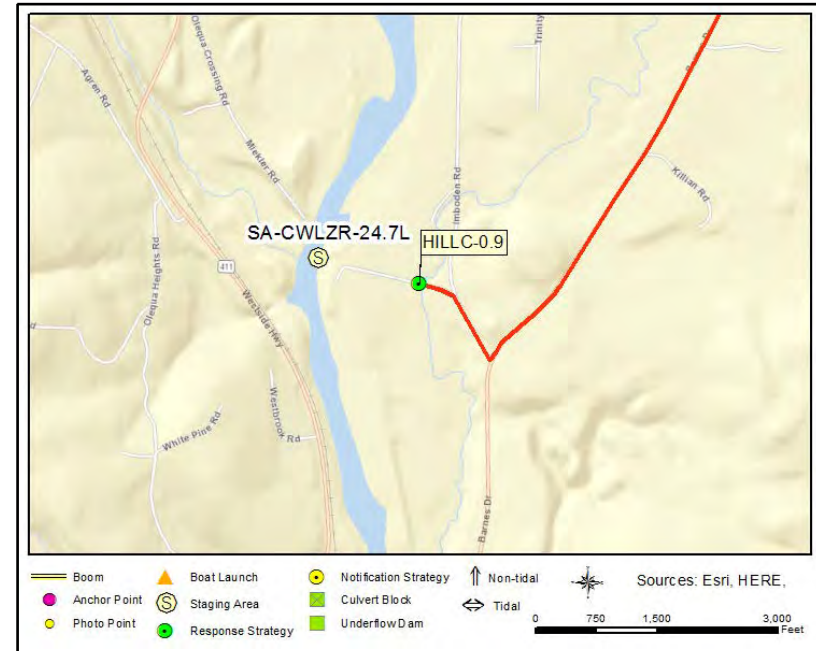
### Site Contact

**Cowlitz County**  
Municipality (County/City) : Emergency Management

Kelso, WA 98626  
360-577-3130

### Nearest Address

Miekler Rd  
Castle Rock, WA 98611



### Driving Directions

1. Head north on I-5
2. Take the ramp on the right at exit 52 toward Barnes Drive / Toutle Park Rd
3. At the stop sign, turn left on Old Pacific Hwy N
4. Continue forward on Barnes Dr
5. Turn left on Imboden Rd
6. Bear left on Miekler Rd
7. Location is under the bridge

## Lacamas Creek at State Highway 506

LCMSC-0.3L

**Position - Location:** 46° 24.707', -122° 55.566' 46° 24' 42.4", -122° 55' 34.0" 46.41178, -122.92610 Toledo

**Strategy Objective:** Collection : Collect oil moving downstream on Lacamas Creek.

**Implementation:** Using workboat, deploy 100ft boom on left bank at anchor point A. Secure remainder to right bank at 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:** Onsite: Stage equipment onsite.

**Site Safety:** Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** Call Lewis County before deployment (360-696-6211).

**Watercourse:** Creek - Lacamas Creek

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor

## Lacamas Creek at State Highway 506

LCMSC-0.3L



LCMSC-0.3L Photo: From left bank under the bridge, looking west across creek. Photo was taken in late October.

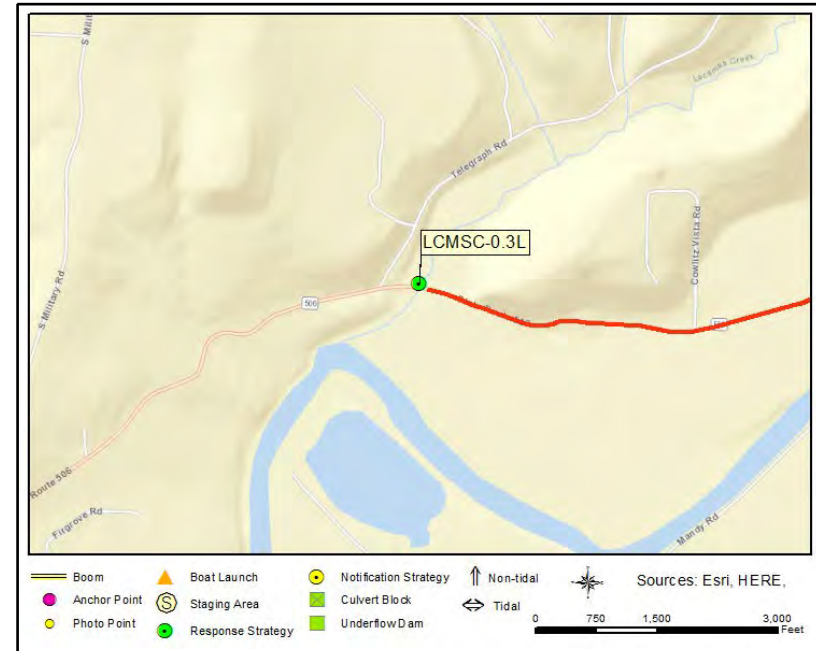
### Site Contact

#### Lewis County

Municipality (County/City) : Emergency Management  
345 West Main Street  
Chehalis, WA 98532  
360-740-1151

### Nearest Address

790 WA-506  
Toledo, WA 98591



### Driving Directions

1. Head north on I-5
2. Take Exit 59
2. Turn left at the end of exit ramp to travel west on Highway WA-506.
3. Location is straight ahead. Stage work truck on north shoulder of the road to the east of the bridge.



## Lacamas Creek at Drews Prairie Road

LCMSC-4.2

**Position - Location:** 46° 27.196', -122° 52.794' 46° 27' 11.7", -122° 52' 47.6" 46.45326, -122.87990 Toledo

**Strategy Objective:** Collection : Collect oil moving downstream on Lacamas Creek.

**Implementation:** Using workboat, deploy 100ft boom on right bank at anchor point A. Secure remainder to left bank at 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:** Onsite: Stage equipment onsite.

**Site Safety:** Vehicle Traffic; Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** Call Lewis County before deployment (360-696-6211).

**Watercourse:** Creek - Lacamas Creek

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor



LCMSC-4.2 Photo: From right bank on the bridge, looking northeast across creek. Photo was taken in early August.

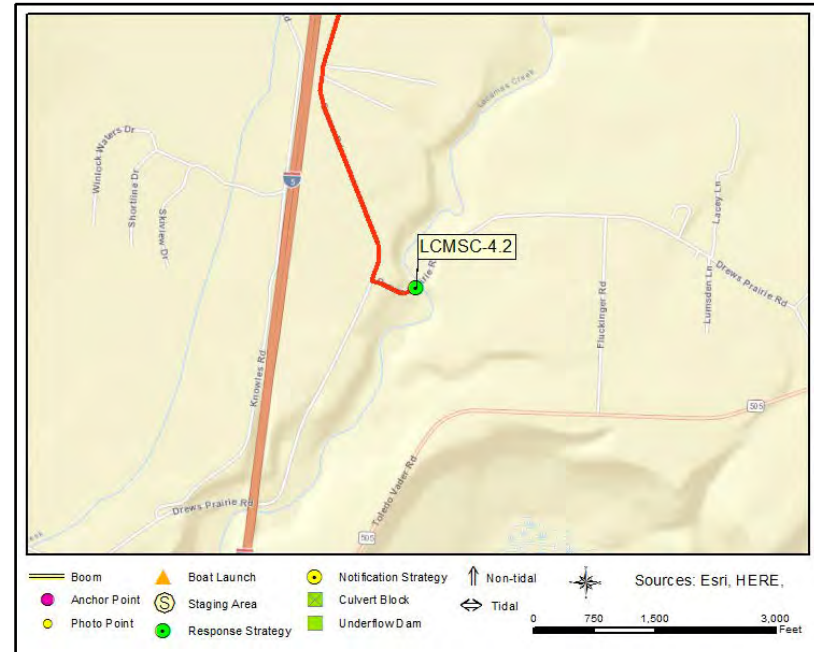
## Site Contact

### Lewis County

Municipality (County/City) : Emergency Management  
345 West Main Street  
Chehalis, WA 98532  
360-740-1151

## Nearest Address

349 Drews Prairie Rd  
Toledo, WA 98591



## Driving Directions

1. Head south on I-5
2. Take exit 63 on the right to WA-505 toward Winlock / Toledo
3. At the stop sign, make a sharp left on WA-505
4. Turn right on Camus Rd
5. Turn left on Drews Prairie Rd
6. Gravel parking lot on left side of the road next to the bridge.

## Pekin Ferry WDFW Water Access Area

LEWR-3.3R

<b>Position - Location:</b>	45° 52.067', -122° 43.499'	45° 52' 4.0", -122° 43' 30.0"	45.86779, -122.72499	Woodland
<b>Strategy Objective:</b>	Collection : Collect oil moving downriver on the Lewis River.			
<b>Implementation:</b>	Using workboat, deploy 800ft boom at anchor point A near the boat ramp. Secure remainder at anchor point B on left bank of river. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.			
<b>Staging Area:</b>	Onsite: Stage equipment onsite.			
<b>Site Safety:</b>	Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard			
<b>Field Notes:</b>	Call Cowlitz County before deployment (360-577-3130). The staging area is managed by WDFW.			
<b>Watercourse:</b>	River - Lewis River			
<b>Resources at Risk:</b>	Resident Fish, Salmonids			



### Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
800 Feet	Boom - B3 (River 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

## Pekin Ferry WDFW Water Access Area

LEWR-3.3R



LEWR-3.3R Photo: From the boat ramp, looking southeast across the river. Photo was taken in mid-October.

### Site Contact

#### Cowlitz County

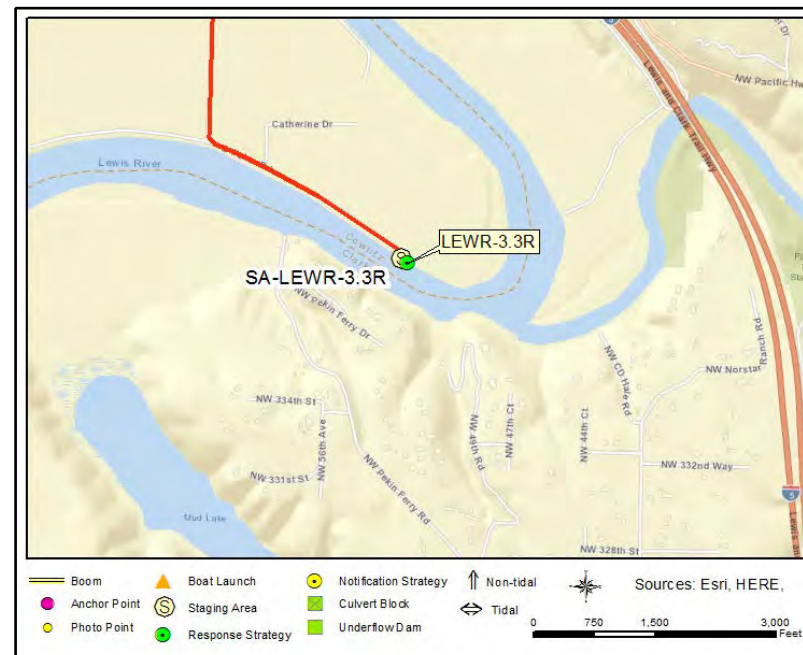
Municipality (County/City) : Emergency Management  
360-577-3130

#### Washington Department of Fish and Wildlife

Land/Property Contact : Region 5  
360-696-6211

### Nearest Address

S Pekin Rd  
Woodland, WA 98674



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Pekin Ferry WDFW Water Access Area (SABL-CWLZR-3.3R):

1. Head north on I-5.
2. Take exit 21 for WA-503 E toward Woodland/Cougar.
3. Turn left onto WA-503 N/Lewis River Rd.
4. Continue to follow Lewis River Rd.
5. Slight left onto Goerig St.
6. Turn right onto Davidson Avenue.
7. Turn left onto 5th St.
8. Continue onto S Pekin Rd.
9. Boat launch is at the end of the road.



## Lewis River Left Bank Side Channel

LEWR-11.5L

**Position - Location:** 45° 56.281', -122° 41.094' 45° 56' 16.9", -122° 41' 5.6" 45.93802, -122.68490 Woodland

**Strategy Objective:** Exclusion : Keep oil out of side channel.

**Implementation:** Using workboat, deploy 100ft boom at anchor point A. Secure remainder at 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-LEWR-12.5R Lewis River Golf Course (3209 Old Lewis River Rd, Woodland, WA 98674).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Call Clark County before deployment (360-992-6285).

**Watercourse:** River - Lewis River

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



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River 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

## Lewis River Left Bank Side Channel

LEWR-11.5L



LEWR-11.5L Photo: From the middle of the Lewis River, looking south into the side channel. Photo was taken in early June.

### Site Contact

**Clark Regional Emergency Services (CRESA)**  
Municipality (County/City) :

Vancouver, WA 98660  
360-992-6285

### Nearest Address

3209 Old Lewis River Rd  
Woodland, WA 98674



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Lewis River Golf Course (SABL-LEWR-12.5R):

1. Head north on I-5
2. Bear right onto the ramp at exit 21 to WA-503 E toward Woodland / Cougar
3. At the traffic light, make a sharp right on Lewis River Rd (WA-503)
4. Continue forward on Goerig St N (WA-503)
5. Continue forward on Lewis River Rd (WA-503)
6. At the roundabout, take the first exit onto Lewis River Rd (WA-503 N)
7. Turn right off of Lewis River Rd
8. The staging area/boat launch is at the end of the road on the right

## PacifiCorp Island Ramp

LEWR-11.7R

**Position - Location:** 45° 56.338', -122° 40.927' 45° 56' 20.3", -122° 40' 55.6" 45.93897, -122.68211 Woodland

**Strategy Objective:** Collection : Collect oil moving downriver on the Lewis River.

**Implementation:** Using workboat, deploy 400ft boom at anchor point A. Secure remainder at 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:** Onsite: Stage equipment onsite.

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Call Cowlitz County before deployment (360-577-3130).

**Watercourse:** River - Lewis River

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



### Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Vac Truck or Skimmer and Storage (if collection)
1 Each	Workboat(s) - of adequate size for type and amount of boom

### Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor



LEWR-11.7R Photo: From the bottom of the boat launch, looking southeast towards the main channel. Photo was taken in late September.

## Site Contact

### Cowlitz County

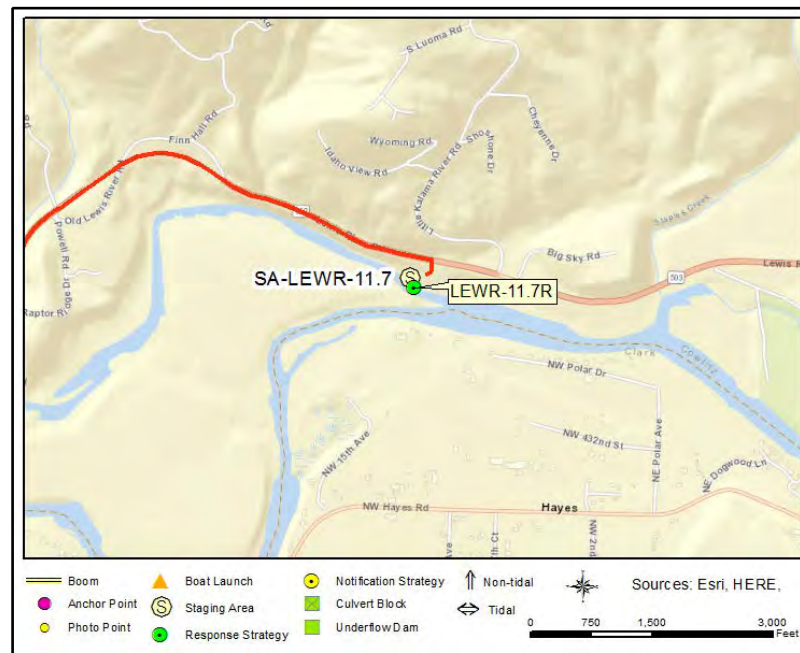
Municipality (County/City) : Emergency Management

Kelso, WA 98626

360-577-3130

## Nearest Address

3020 Lewis River Rd  
Woodland, WA 98674



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at PacifiCorp Island Ramp (SABL-LEWR-11.7):

1. Head north on I-5
2. Bear right onto the ramp at exit 21 to WA-503 E toward Woodland / Cougar
3. At the traffic light, make a sharp right on Lewis River Rd (WA-503)
4. Continue forward on Goerig St N (WA-503)
5. Continue forward on Lewis River Rd (WA-503)
6. At the roundabout, take the first exit onto Lewis River Rd (WA-503 N)
7. The staging area/boat launch is on the right



Houghton Creek LEWR-12.2R

Houghton Creek LEWR-12.2R

<b>Position - Location:</b>	45° 56.272', -122° 40.221'	45° 56' 16.3", -122° 40' 13.3"	45.93786, -122.67035	Woodland
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**Strategy Objective:** Exclusion : Keep oil out of creek and away from fish pens.

<b>Implementation:</b>	Using workboat, deploy 400ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.
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**Staging Area:** Remote: Stage equipment at SA-LEWR-12.5R Lewis River Golf Course (3209 Old Lewis River Rd, Woodland, WA 98674).

**Site Safety:** Slips, Trips, Falls; Water Hazard; Moving Vehicles in Parking/Boat Launch Area; Vegetation on River Banks

**Field Notes:** The fish pens are managed by a local nonprofit called Fish First. Call that group then Cowlitz County before deployment.

**Watercourse:** River - Lewis River

<b>Resources at Risk:</b>	Fish Pens
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### Recommended Equipment

3	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
400	Feet	Boom - B3 (River 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	
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1	Boat Operator
2	Laborer
1	Supervisor

## Houghton Creek

LEWR-12.2R



LEWR-12.2R Photo: From the middle of the Lewis River, looking north at the mouth of Houghton Creek. Photo was taken in early June.

### Site Contact

#### Fish First

Land/Property Contact :  
360-921-1323

#### Cowlitz County

Municipality (County/City) : Emergency Management  
360-577-3130

### Nearest Address

3209 Old Lewis River Rd  
Woodland, WA 98674



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Lewis River Golf Course (SABL-LEWR-12.5R):

1. Head north on I-5
2. Bear right onto the ramp at exit 21 to WA-503 E toward Woodland / Cougar
3. At the traffic light, make a sharp right on Lewis River Rd (WA-503)
4. Continue forward on Goerig St N (WA-503)
5. Continue forward on Lewis River Rd (WA-503)
6. At the roundabout, take the first exit onto Lewis River Rd (WA-503 N)
7. Turn right off of Lewis River Rd
8. The staging area/boat launch is at the end of the road on the right

## Lewis River Golf Course

LEWR-12.5R

**Position - Location:** 45° 56.146', -122° 39.985' 45° 56' 8.8", -122° 39' 59.1" 45.93577, -122.66642 Woodland

**Strategy Objective:** Collection : Collect oil moving downriver on the Lewis River.

**Implementation:** Using workboat, deploy 300ft boom at anchor point A. Secure remainder in the middle of the channel at 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 onsite.

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Notify Cowlitz County before staging equipment (360-577-3130).

**Watercourse:** River - Lewis River

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



### Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
1	Each	Anchoring System(s)- Shoreside
300	Feet	Boom - B3 (River 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



## Lewis River Golf Course

LEWR-12.5R



LEWR-12.5R Photo: From the boat ramp, looking south/upriver. Photo was taken in late September.

### Site Contact

#### Cowlitz County

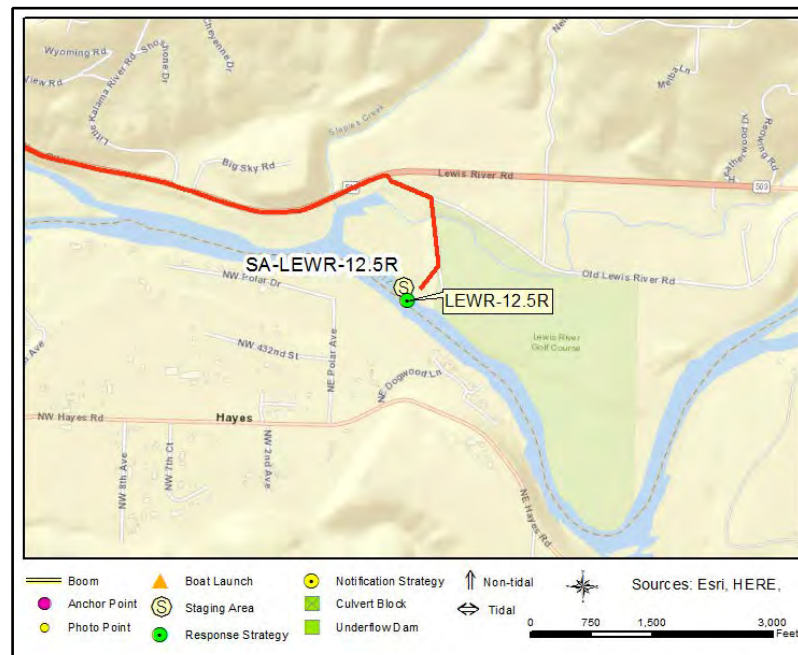
Municipality (County/City) : Emergency Management

Kelso, WA 98626

360-577-3130

### Nearest Address

3209 Old Lewis River Rd  
Woodland, WA 98674



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Lewis River Golf Course (SABL-LEWR-12.5R):

1. Head north on I-5
2. Bear right onto the ramp at exit 21 to WA-503 E toward Woodland / Cougar
3. At the traffic light, make a sharp right on Lewis River Rd (WA-503)
4. Continue forward on Goerig St N (WA-503)
5. Continue forward on Lewis River Rd (WA-503)
6. At the roundabout, take the first exit onto Lewis River Rd (WA-503 N)
7. Turn right off of Lewis River Rd
8. The staging area/boat launch is at the end of the road on the right



## Lewis River Side Channel River Mile 13.3

**LEWR-13.3L**

<b>Position - Location:</b>	45° 55.723', -122° 39.262'	45° 55' 43.4", -122° 39' 15.7"	45.92872, -122.65437	Woodland
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**Strategy Objective:** Exclusion : Keep oil out of side channel.

<b>Implementation:</b>	Using workboat, deploy 300ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.
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**Staging Area:** Remote: Stage equipment at SA-LEWR-12.5R Lewis River Golf Course (3209 Old Lewis River Rd, Woodland, WA 98674).

**Site Safety:** Slips, Trips, Falls; Water Hazard; Moving Vehicles; Vegetation on River Banks, Partially Submerged Logs

<b>Field Notes:</b>	Large Woody Debris; Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard
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**Watercourse:** River - Lewis River

<b>Resources at Risk:</b>	Salmon, Steelhead, Waterfowl
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Recommended Equipment	
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2	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
300	Feet	Boom - B3 (River 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

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1	Boat Operator
2	Laborer
1	Supervisor

## Lewis River Side Channel River Mile 13.3

LEWR-13.3L



LEWR-13.3L Photo: From the middle of the Lewis River, looking northeast towards anchor point A. Photo was taken in early June.

### Site Contact

**Clark Regional Emergency Services (CRESA)**  
Municipality (County/City) :

Vancouver, WA 98660  
360-992-6285

### Nearest Address

3209 Old Lewis River Rd  
Woodland, WA 98674



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Lewis River Golf Course (SABL-LEWR-12.5R):

1. Head north on I-5
2. Bear right onto the ramp at exit 21 to WA-503 E toward Woodland / Cougar
3. At the traffic light, make a sharp right on Lewis River Rd (WA-503)
4. Continue forward on Goerig St N (WA-503)
5. Continue forward on Lewis River Rd (WA-503)
6. At the roundabout, take the first exit onto Lewis River Rd (WA-503 N)
7. Turn right off of Lewis River Rd
8. The staging area/boat launch is at the end of the road on the right

## Lewis River Side Channel River Mile 13.8

LEWR-13.8L

**Position - Location:** 45° 56.020', -122° 39.097' 45° 56' 1.2", -122° 39' 5.8" 45.93366, -122.65161 Woodland

**Strategy Objective:** Exclusion : Keep oil out of side channel.

**Implementation:** Using workboat, deploy 100ft boom at anchor point A. Secure remainder at 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-LEWR-12.5R Lewis River Golf Course (3209 Old Lewis River Rd, Woodland, WA 98674).

**Site Safety:** Large Woody Debris; Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Call Clark County before deployment (360-992-6285). LEWR-13.3L is the exclusion strategy for the downriver entrance to the side channel.

**Watercourse:** River - Lewis River

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



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Workboat(s) - of adequate size for type and amount of boom

### Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor



LEWR-13.8L Photo: From the middle of the Lewis River, looking south into the side channel. Photo was taken in early June.

#### Site Contact

**Clark Regional Emergency Services (CRESA)**  
Municipality (County/City) :

Vancouver, WA 98660  
360-992-6285

#### Nearest Address

3209 Old Lewis River Rd  
Woodland, WA 98674



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Lewis River Golf Course (SABL-LEWR-12.5R):

1. Head north on I-5
2. Bear right onto the ramp at exit 21 to WA-503 E toward Woodland / Cougar
3. At the traffic light, make a sharp right on Lewis River Rd (WA-503)
4. Continue forward on Goerig St N (WA-503)
5. Continue forward on Lewis River Rd (WA-503)
6. At the roundabout, take the first exit onto Lewis River Rd (WA-503 N)
7. Turn right off of Lewis River Rd
8. The staging area/boat launch is at the end of the road on the right



# Haapa Boat Launch

LEWR-14.7L

**Position - Location:** 45° 56.189', -122° 38.220' 45° 56' 11.3", -122° 38' 13.2" 45.93648, -122.63700 Woodland

**Strategy Objective:** Collection : Collect oil moving downriver on the Lewis River.

**Implementation:** Using workboat, deploy 400ft boom at anchor point A. Secure remainder at 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:** Onsite: Stage equipment onsite.

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** The river may be quite shallow in the summer. Call Clark County before deployment (360-992-6285).

**Watercourse:** River - Lewis River

**Resources at Risk:** Resident Fish, Salmonids



## Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B3 (River 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

## Haapa Boat Launch

LEWR-14.7L



LEWR-14.7L Photo: From the bottom of the boat ramp, looking northeast/upriver. Photo was taken in October.

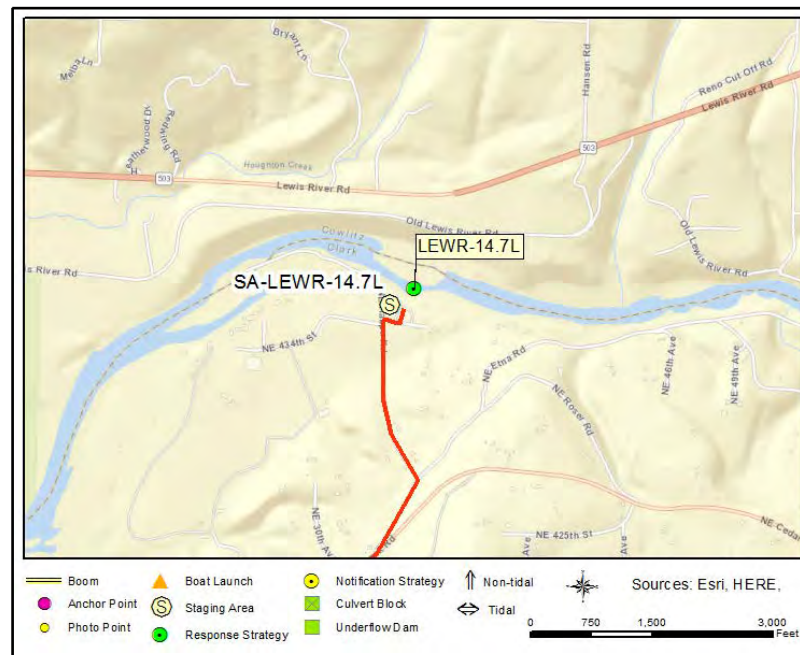
### Site Contact

**Clark Regional Emergency Services (CRESA)**  
Municipality (County/City) :

Vancouver, WA 98660  
360-992-6285

### Nearest Address

43511 NE Haapa Rd  
Woodland, WA 98674



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Haapa Boat Launch (SABL-LEWR-14.7L):

1. Head north on I-5
2. Take the ramp on the right at exit 21
3. Continue straight to head south on Pacific Avenue
3. Turn left onto Lewis River Rd
4. Turn right onto E CC Street
5. Roadway becomes NW Hayes Rd
6. Roadway becomes NE Cedar Creek Rd
7. Stay to left and travel on NE Etna Rd
8. Turn left onto NE Haapa Rd
9. Boat launch is at the end of the road

## Lewis River Hatchery Water Intake (Downriver)

LEWR-15.5aR

**Position - Location:** 45° 56.226', -122° 37.205' 45° 56' 13.6", -122° 37' 12.3" 45.93710, -122.62008 Woodland

**Strategy Objective:** Exclusion : Keep oil out of the hatchery.

**Implementation:** Using workboat, deploy 200ft boom on right bank at anchor point A. Then extend boom west and secure end near anchor point C. Near boom midpoint, use workboat to pull boom south into channel, 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-LEWR-15.5L PacifiCorp Cedar Creek (5000 NE Etna Rd, Woodland, WA 98674).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** The Washington Department of Fish & Wildlife manages the hatchery. Notify WDFW before deployment (360-225-7413).

**Watercourse:** River - Lewis River

**Resources at Risk:** Water Intakes



### Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B3 (River 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



## Lewis River Hatchery Water Intake (Downriver)

LEWR-15.5aR



LEWR-15.5aR Photo: From the left bank of the Lewis River, looking north towards the water intake. Photo was taken in October.

### Site Contact

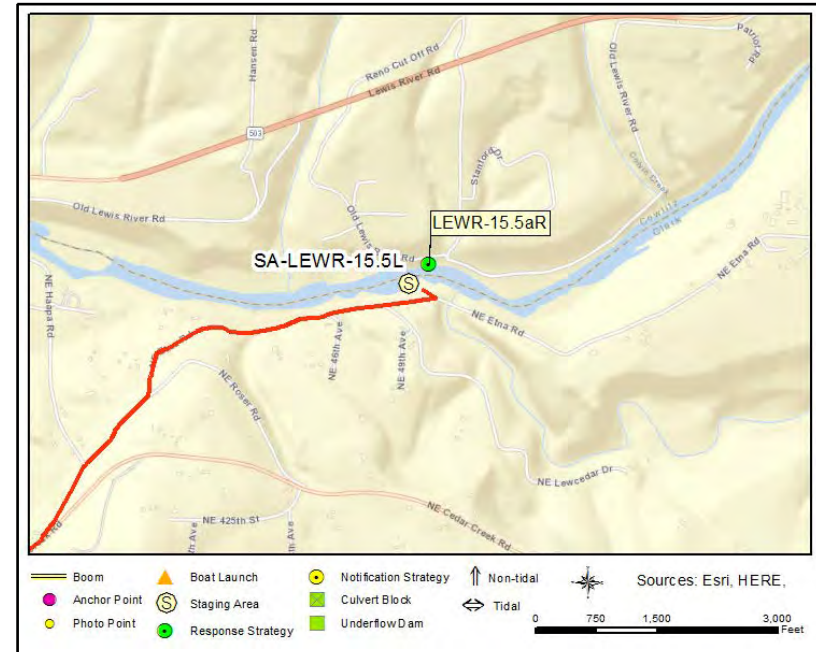
#### Lewis River Hatchery (WDFW)

Land/Property Contact :

Woodland, WA 98674  
360-225-7413

### Nearest Address

5000 NE Etna Rd  
Woodland, WA 98674



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at PacifiCorp Cedar Creek (SABL-LEWR-15.5L):

1. Head north on I-5
2. Take the ramp on the right at exit 21
3. Continue straight to head south on Pacific Avenue
3. Turn left onto Lewis River Rd
4. Turn right onto E CC Street
5. Roadway becomes NW Hayes Rd
6. Roadway becomes NE Cedar Creek Rd
7. Stay to left and travel on NE Etna Rd
8. The boat launch is on left side of the road



PacifiCorp Cedar Creek LEWR-15.5bL

PacifiCorp Cedar Creek LEWR-15.5bL

<b>Position - Location:</b>	45° 56.201', -122° 37.199'	45° 56' 12.0", -122° 37' 12.0"	45.93668, -122.61999	Woodland
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**Strategy Objective:** Collection : Collect oil moving downriver on Lewis River.

<b>Implementation:</b>	Using workboat, deploy 300ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.
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**Staging Area:** Onsite: Stage equipment onsite.

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** Call Clark County before deployment (360-992-6285).

**Watercourse:** River - Lewis River

<b>Resources at Risk:</b>	Resident Fish, Salmonids, Waterfowl
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2	Each	Anchoring System(s) - (anchor, lines, floats)
1	Each	Anchoring System(s)- Shoreside
300	Feet	Boom - B3 (River Boom) or equivalent
1	Each	Vac Truck or Skimmer and Storage (if collection)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel	
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1	Boat Operator
2	Laborer
1	Supervisor



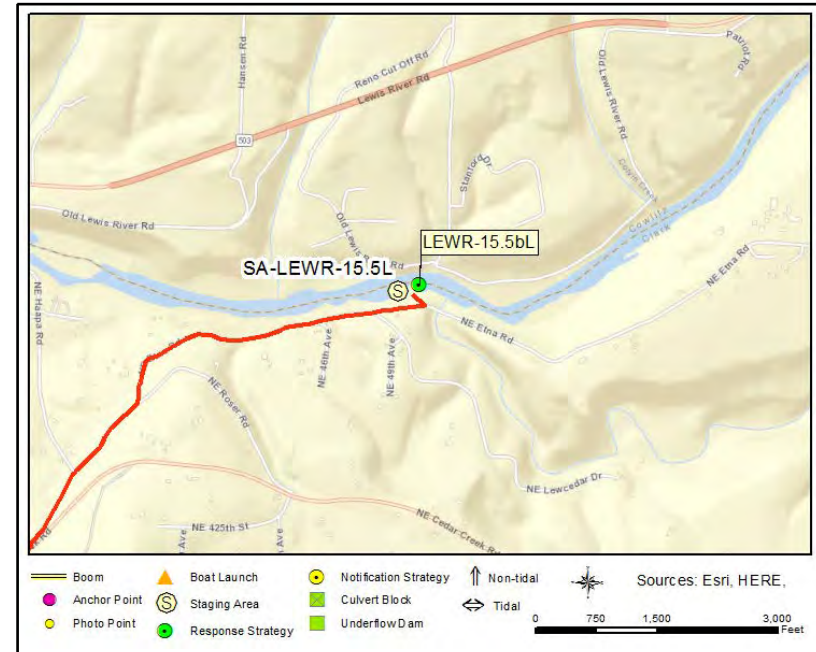
LEWR-15.5bL Photo: From the bottom of the boat ramp, looking northeast toward the water intake across the river. Photo was taken in October.

#### Site Contact

**Clark Regional Emergency Services (CRESA)**  
Municipality (County/City) :  
360-992-6285

#### Nearest Address

5000 NE Etna Rd  
Woodland, WA 98674



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at PacifiCorp Cedar Creek (SABL-LEWR-15.5L):

1. Head north on I-5
2. Take the ramp on the right at exit 21
3. Continue straight to head south on Pacific Avenue
3. Turn left onto Lewis River Rd
4. Turn right onto E CC Street
5. Roadway becomes NW Hayes Rd
6. Roadway becomes NE Cedar Creek Rd
7. Stay to left and travel on NE Etna Rd
8. The boat launch is on left side of the road

## Cedar Creek Confluence with Lewis River

LEWR-15.6L

**Position - Location:** 45° 56.165', -122° 37.126' 45° 56' 9.9", -122° 37' 7.5" 45.93608, -122.61876 Woodland

**Strategy Objective:** Exclusion : Keep oil out of Cedar Creek.

**Implementation:** Deploy 100ft boom on left bank of creek at anchor point A. Secure remainder to right bank at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to creek bank.

**Staging Area:** Onsite: Stage equipment onsite.

**Site Safety:** Slips, Trips, Falls; Uneven Surface; Vegetation; Water Hazard

**Field Notes:** Call Clark County before deployment (360-992-6285).

**Watercourse:** River - Lewis River

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



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line

### Recommended Personnel

2	Laborer
1	Supervisor

## Cedar Creek Confluence with Lewis River

LEWR-15.6L



LEWR-15.6L Photo: From middle of Lewis River, looking southwest into the creek. Photo was taken in early June.

### Site Contact

**Clark Regional Emergency Services (CRESA)**  
Municipality (County/City) :

Vancouver, WA 98660  
360-992-6285

### Nearest Address

5100 NE Etna Rd  
Woodland, WA 98674



### Driving Directions

1. Head north on I-5
2. Take the ramp on the right at exit 21
3. Continue straight to head south on Pacific Avenue
3. Turn left onto Lewis River Rd
4. Turn right onto E CC Street
5. Roadway becomes NW Hayes Rd
6. Roadway becomes NE Cedar Creek Rd
7. Stay to left and travel on NE Etna Rd
8. The strategy location is on the left, north of the bridge.



## Lewis River Hatchery

LEWR-16.1aR

**Position - Location:** 45° 56.308', -122° 36.593' 45° 56' 18.5", -122° 36' 35.6" 45.93847, -122.60988 Woodland

**Strategy Objective:** Collection : Collect oil moving downriver on Lewis River.

**Implementation:** Using workboat, deploy 400ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.

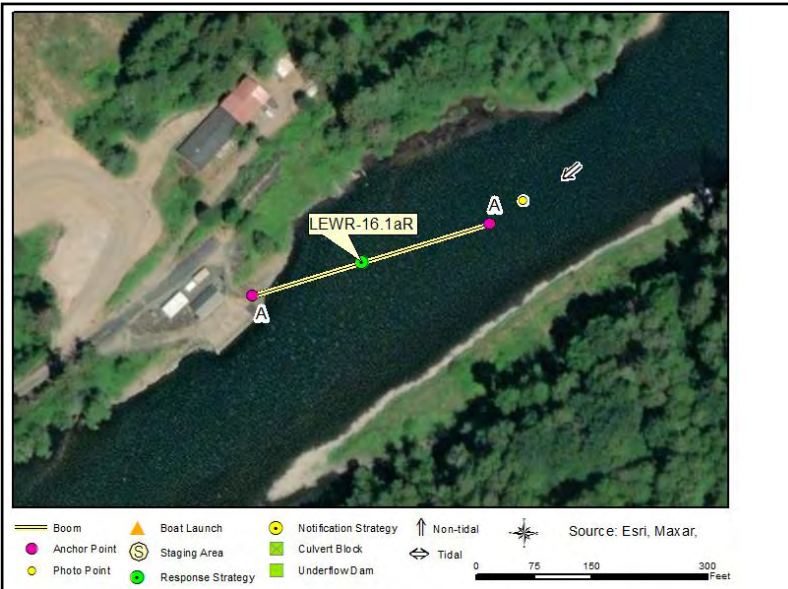
**Staging Area:** Remote: Stage equipment at SA-LEWR-15.5L PacifiCorp Cedar Creek (4000 NE Etna Rd, Woodland, WA 98674).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** The Washington Department of Fish & Wildlife manages the hatchery. Notify WDFW before deployment (360-225-7413).

**Watercourse:** River - Lewis River

**Resources at Risk:** 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 - B3 (River Boom) or equivalent
1 Each	Vac Truck or Skimmer and Storage (if collection)
1 Each	Workboat(s) - of adequate size for type and amount of boom

### Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

## Lewis River Hatchery

LEWR-16.1aR



LEWR-16.1aR Photo: From the middle of the Lewis River, looking southwest toward the hatchery. Photo was taken in early June.

### Site Contact

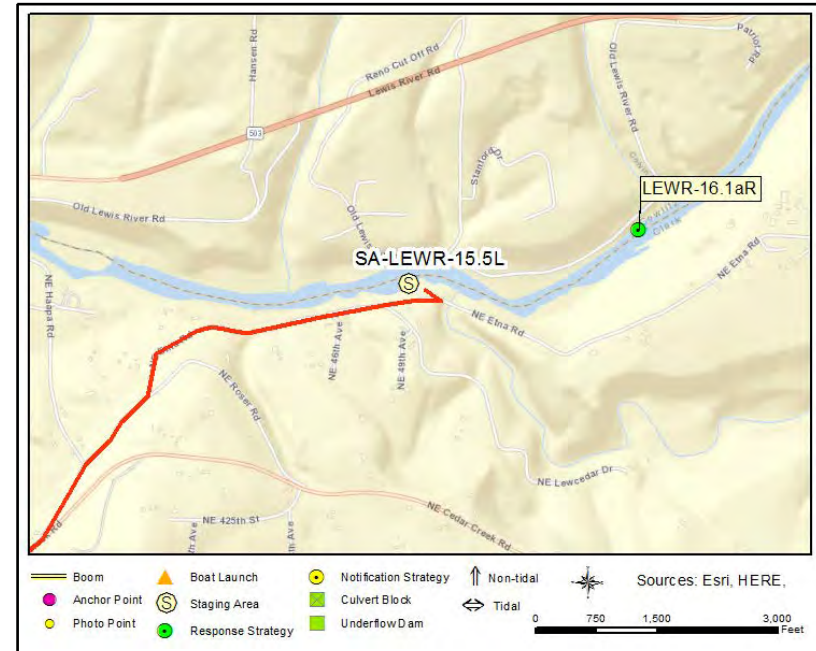
#### Lewis River Hatchery (WDFW)

Land/Property Contact :

Woodland, WA 98674  
360-225-7413

### Nearest Address

5000 NE Etna Rd  
Woodland, WA 98674



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at PacifiCorp Cedar Creek (SABL-LEWR-15.5L):

1. Head north on I-5
2. Take the ramp on the right at exit 21
3. Continue straight to head south on Pacific Avenue
3. Turn left onto Lewis River Rd
4. Turn right onto E CC Street
5. Roadway becomes NW Hayes Rd
6. Roadway becomes NE Cedar Creek Rd
7. Stay to left and travel on NE Etna Rd
8. The boat launch is on left side of the road

## Lewis River Hatchery Water Intake

LEWR-16.1bR

**Position - Location:** 45° 56.293', -122° 36.631' 45° 56' 17.6", -122° 36' 37.9" 45.93821, -122.61052 Woodland

**Strategy Objective:** Exclusion : Keep oil out of hatchery.

**Implementation:** Using workboat, deploy 100ft boom on right bank at anchor point A. Then extend boom southeast and secure end near anchor point C. Near boom midpoint, use workboat to pull boom southeast into channel, 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-LEWR-15.5L PacifiCorp Cedar Creek (5000 NE Etna Rd, Woodland, WA 98674).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surfaces; Water Hazard

**Field Notes:** The Washington Department of Fish & Wildlife manages the hatchery. Notify WDFW before deployment (360-225-7413).

**Watercourse:** River - Lewis River

**Resources at Risk:** Fish Hatchery, Water Intakes



### Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B3 (River 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

## Lewis River Hatchery Water Intake

LEWR-16.1bR



LEWR-16.1bR Photo: From the middle of the Lewis River, looking east toward the water intake. Photo was taken in early June.

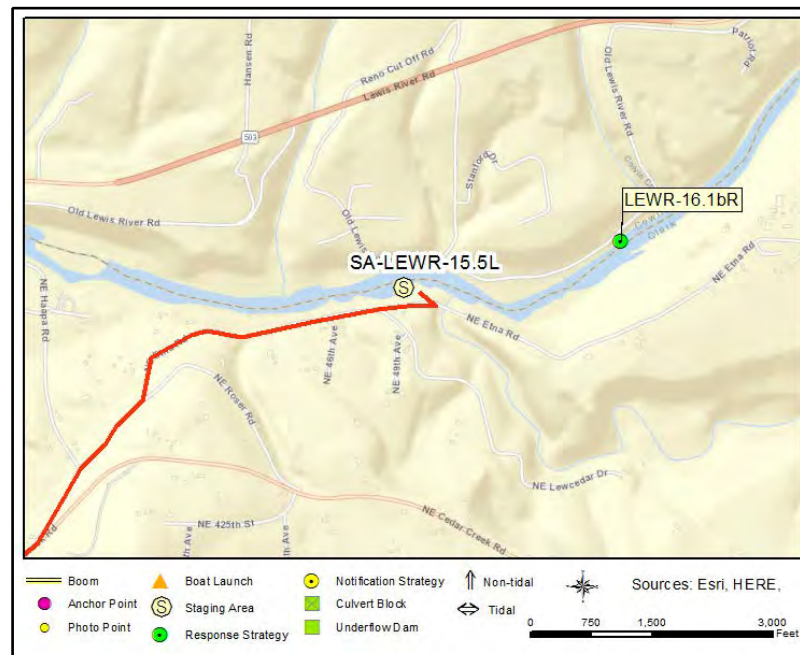
### Site Contact

#### Lewis River Hatchery (WDFW)

Land/Property Contact :  
360-225-7413

### Nearest Address

5000 NE Etna Rd  
Woodland, WA 98674



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at PacifiCorp Cedar Creek (SABL-LEWR-15.5L):

1. Head north on I-5
2. Take the ramp on the right at exit 21
3. Continue straight to head south on Pacific Avenue
3. Turn left onto Lewis River Rd
4. Turn right onto E CC Street
5. Roadway becomes NW Hayes Rd
6. Roadway becomes NE Cedar Creek Rd
7. Stay to left and travel on NE Etna Rd
8. The boat launch is on left side of the road



## Mill Creek at South Cloverdale Road

MILLC-0.3

**Position - Location:** 45° 57.632', -122° 48.082' 45° 57' 37.9", -122° 48' 4.9" 45.96054, -122.80137 Kalama

**Strategy Objective:** Collection : Collect oil moving downstream on Mill Creek

**Implementation:** Using workboat, deploy 100ft boom on right bank at anchor point A. Secure remainder to left bank at 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:** Onsite: Stage equipment onsite.

**Site Safety:** Vehicle Traffic; Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** Call Cowlitz County before deployment (360-577-3130). The creek joins the Columbia River on the other side of I-5.

**Watercourse:** Creek - Mill Creek

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor

## Mill Creek at South Cloverdale Road

MILLC-0.3



MILLC-0.3 Photo: From east shoulder of road, looking north with creek flowing from right to left under the road. Photo was taken in late September.

### Site Contact

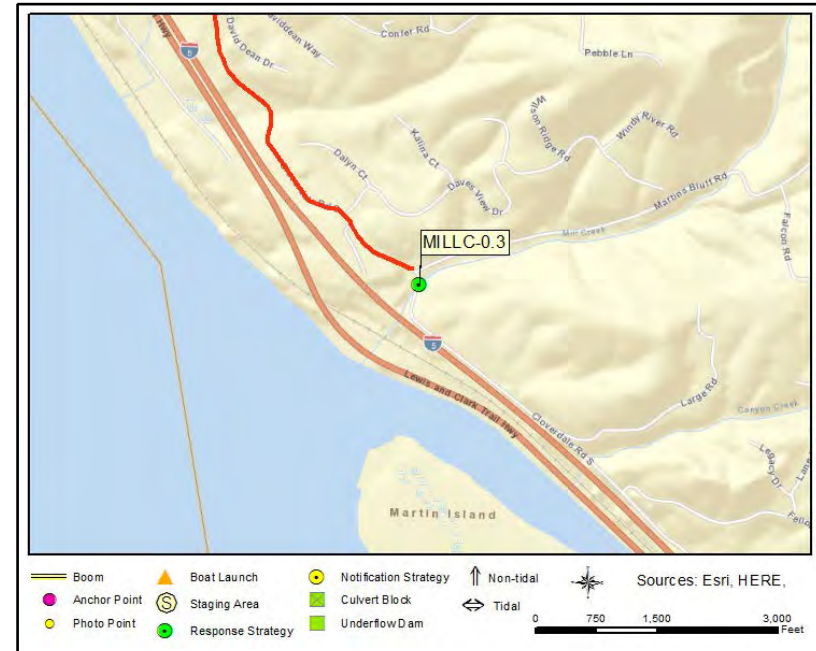
#### Cowlitz County

Municipality (County/City) : Emergency Management

Kelso, WA 98626  
360-577-3130

### Nearest Address

2063 S Cloverdale Rd  
Kalama, WA 98625



### Driving Directions

1. Head south on I-5
2. Take Exit 27 (Todd Road/Port of Kalama)
2. Turn left at the end of exit ramp to travel on Robb Road
4. Turn right onto S Cloverdale Road
5. Location is on the left/east side of the road. There is room to stage equipment on the north side of the intersection.

## Weir on Olequa Creek

OLQAC-0.5L

**Position - Location:** 46° 22.376', -122° 56.555' 46° 22' 22.5", -122° 56' 33.3" 46.37293, -122.94259 Castle Rock

**Strategy Objective:** Collection : Collect oil moving downstream on Olequa Creek.

**Implementation:** Using workboat, deploy 200ft boom on left bank at anchor point A. Secure remainder to right bank at 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:** Onsite: Stage equipment onsite.

**Site Safety:** Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** The Cowlitz Indian Tribe manages the weir. Call the tribe before deployment (360-577-8140).

**Watercourse:** Creek - Olequa Creek

**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 - B3 (River 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

## Weir on Olequa Creek

OLQAC-0.5L



OLQAC-0.5L Photo: From left bank near the weir, looking west across creek. Photo was taken in late August.

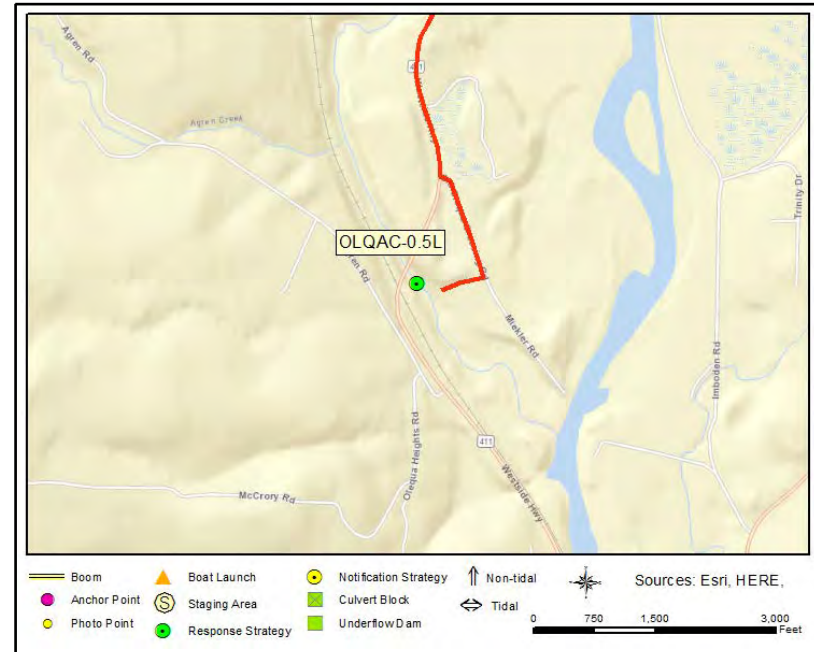
### Site Contact

**Cowlitz Indian Tribe**  
Tribal Contact : Natural Resources

Longview, WA 98632  
360-577-8140

### Nearest Address

Old Olequa Crossing Rd  
Castle Rock, WA 98611



### Driving Directions

1. Head north on I-5
2. Take Exit 59
3. Travel west on Highway WA-506
3. Turn left onto Westside Highway
4. Turn left onto Old Olequa Crossing Road
5. Turn right onto unnamed road
6. Location is at the end of the road



## Olequa Creek at City of Vader

OLQAC-3.7R

<b>Position - Location:</b>	46° 24.115', -122° 57.873'	46° 24' 6.9", -122° 57' 52.4"	46.40191, -122.96455	Vader
<b>Strategy Objective:</b>	Collection : Collect oil moving downstream on Olequa Creek.			
<b>Implementation:</b>	Deploy 100ft boom on right bank at anchor point A. Secure remainder to left bank at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.			
<b>Staging Area:</b>	Onsite: Stage equipment onsite.			
<b>Site Safety:</b>	Slips, Trips, Falls; Uneven Surface; Water Hazard			
<b>Field Notes:</b>	Call City of Vader before deployment (360-295-3222).			
<b>Watercourse:</b>	Creek - Olequa Creek			
<b>Resources at Risk:</b>	Resident Fish, Salmonids			



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor

## Olequa Creek at City of Vader

OLQAC-3.7R



OLQAC-3.7R Photo: From southwest corner of bridge, looking northeast across creek. Photo was taken in early August.

### Site Contact

#### City of Vader

Municipality (County/City) : City Hall

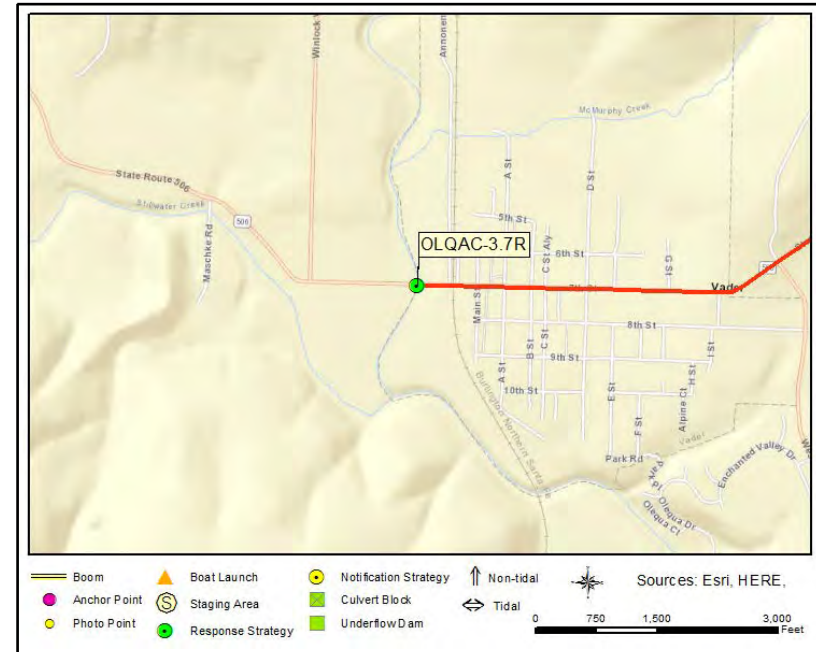
Vader, WA 98596

360-295-3222

### Nearest Address

110 7th St

Vader, WA 98593



### Driving Directions

1. Head north on I-5
2. Take Exit 59
3. Turn left at the end of exit ramp to travel west on Highway WA-506
3. Location is straight ahead, below the bridge.

## McMurphy Park

OLQAC-4.3L

**Position - Location:** 46° 24.560', -122° 57.981' 46° 24' 33.6", -122° 57' 58.9" 46.40934, -122.96635 Vader

**Strategy Objective:** Collection : Collect oil moving downstream on Olequa Creek.

**Implementation:** Deploy 100ft boom on left bank at anchor point A. Secure remainder to right bank at 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:** Onsite: Stage equipment onsite.

**Site Safety:** Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** Call City of Vader before deployment (360-295-3222).

**Watercourse:** Creek - Olequa Creek

**Resources at Risk:** City Park, Resident Fish, Salmonids



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor

## McMurphy Park

## OLQAC-4.3L



OLQAC-4.3L Photo: From left bank, looking west across creek.  
Photo was taken in early August.

### Site Contact

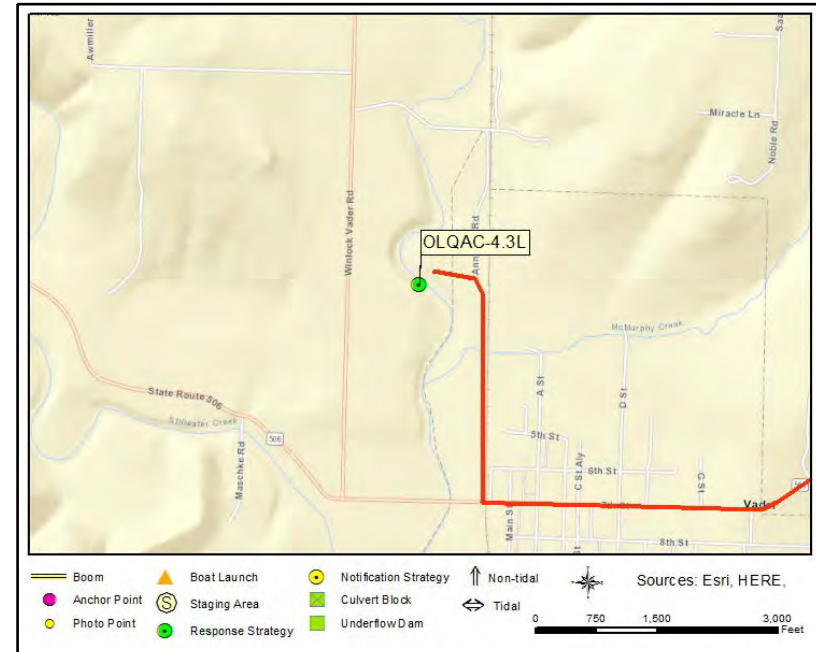
#### City of Vader

Municipality (County/City) : City Hall

Vader, WA 98596  
360-295-3222

### Nearest Address

Annonen Rd  
Vader, WA 98596



### Driving Directions

1. Head north on I-5
2. Take exit 59 on the right toward WA-506 W / Vader / Ryderwood
3. Make a sharp right on Cowlitz Loop Rd toward WA-506 / Vader / Ryderwood
4. Turn left on WA-506
5. Turn right on Annonen Rd
6. The entrance to the park is on the left side of the road



## Olequa Creek at Ferrier Road

OLQAC-7.9L

**Position - Location:** 46° 26.727', -122° 57.731' 46° 26' 43.6", -122° 57' 43.8" 46.44545, -122.96218 Winlock

**Strategy Objective:** Collection : Collect oil moving downstream on Olequa Creek.

**Implementation:** Deploy 100ft boom on left bank at anchor point A. Secure remainder to right bank at anchor point B. Use anchor posts, existing structures, or trees to secure boom.

**Staging Area:** Onsite: Stage equipment onsite.

**Site Safety:** Slips, Trips, Falls; Uneven Surface; Vehicle Traffic; Water Hazard

**Field Notes:** The vacuum truck will need to park on the road. Call Lewis County before deployment (360-740-1151).

**Watercourse:** Creek - Olequa Creek

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Machete(s) - (or other vegetation cutting tool)
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor

## Olequa Creek at Ferrier Road

OLQAC-7.9L



OLQAC-7.9L Photo: From road, looking upstream/north toward collection area. Photo was taken in early August.

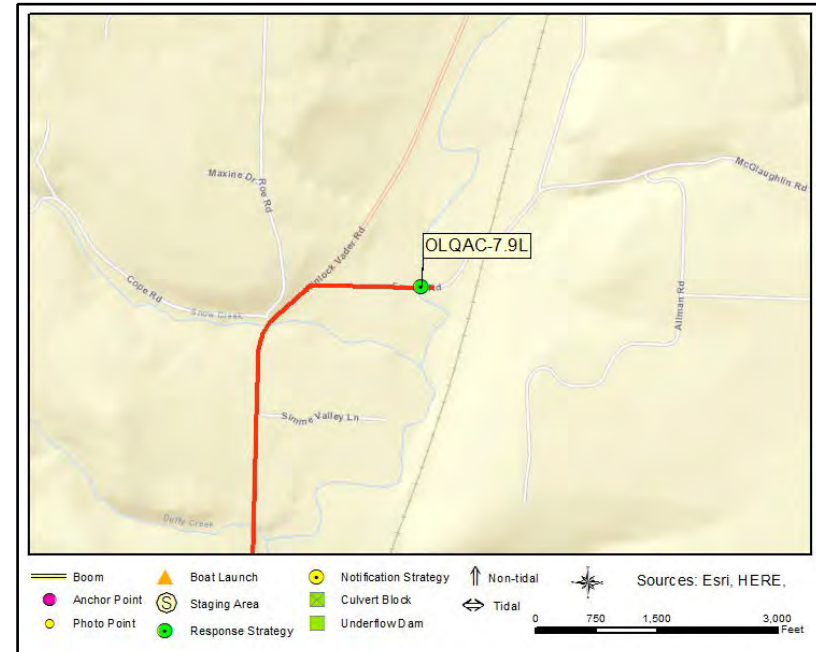
### Site Contact

#### Lewis County

Municipality (County/City) : Emergency Management  
345 West Main Street  
Chehalis, WA 98532  
360-740-1151

### Nearest Address

1742 Ferrier Rd  
Winlock, WA 98596



### Driving Directions

1. Head north on I-5
2. Take exit 59 on the right toward WA-506 W / Vader / Ryderwood
3. Make a sharp right on Cowlitz Loop Rd toward WA-506 / Vader / Ryderwood
4. Turn left on WA-506
5. Turn right on Winlock Vader Rd
6. Bear right on Ferrier Rd
7. Park along the road near the bridge

## City of Winlock Wastewater Treatment Plant

OLQAC-10.9L

<b>Position - Location:</b>	46° 28.910', -122° 56.767'	46° 28' 54.6", -122° 56' 46.0"	46.48184, -122.94612	Winlock
<b>Strategy Objective:</b>	Collection : Collect oil moving downstream on Olequa Creek.			
<b>Implementation:</b>	Deploy 100ft boom on left bank at anchor point A. Secure remainder to right bank at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.			
<b>Staging Area:</b>	Onsite: Stage equipment onsite.			
<b>Site Safety:</b>	Slips, Trips, Falls; Uneven Surface; Water Hazard			
<b>Field Notes:</b>	The strategy is adjacent to the city's wastewater treatment plant. Call the city before deployment (360-785-3811 x202).			
<b>Watercourse:</b>	Creek - Olequa Creek			
<b>Resources at Risk:</b>	Resident Fish, Salmonids			



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor



OLQAC-10.9L Photo: From left bank, looking west across creek.  
Photo was taken in early August.

## Site Contact

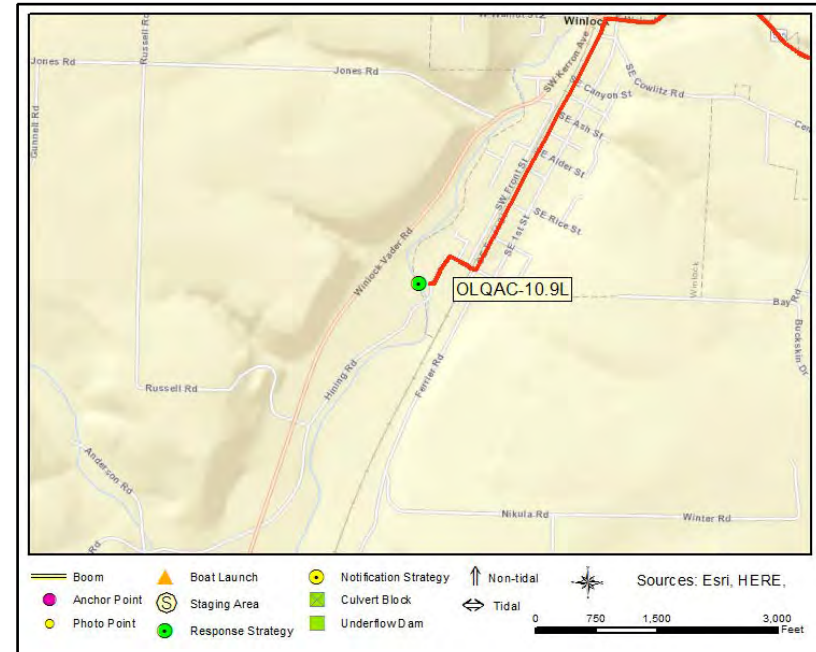
### City of Winlock

Municipality (County/City) : Wastewater Treatment Plant

Winlock, WA 98596  
360-785-3811 ext. 202

## Nearest Address

1209 SW Mayer St  
Winlock, WA 98596



## Driving Directions

1. Head north on I-5
2. Take Exit 63
3. Turn left at the end of exit ramp to travel west on highway WA-505
3. Turn left onto Kerron Avenue
4. Turn left onto Hining Avenue
5. Turn right onto SW Campbell Street
6. Turn left onto SW Mayer Street
7. Location is on the right



## Olequa Creek at Old Highway 603

OLQAC-12.4R

<b>Position - Location:</b>	46° 30.021', -122° 56.235'	46° 30' 1.3", -122° 56' 14.1"	46.50035, -122.93725	Winlock
<b>Strategy Objective:</b>	Collection : Collect oil moving downstream on Olequa Creek.			
<b>Implementation:</b>	Deploy 100ft boom on right bank at anchor point A near or under bridge. Secure remainder to left bank at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom.			
<b>Staging Area:</b>	Onsite: Stage equipment onsite.			
<b>Site Safety:</b>	Slips, Trips, Falls; Uneven Surface; Vehicle Traffic; Water Hazard			
<b>Field Notes:</b>	The vacuum truck may need to park on Old Highway 603. Call Lewis County before deployment (360-740-1151).			
<b>Watercourse:</b>	Creek - Olequa Creek			
<b>Resources at Risk:</b>	Resident Fish, Salmonids			



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Pump(s)
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor

## Olequa Creek at Old Highway 603

OLQAC-12.4R



OLQAC-12.4R Photo: From right bank, looking southwest under bridge towards anchor point A. Photo was taken in early August.

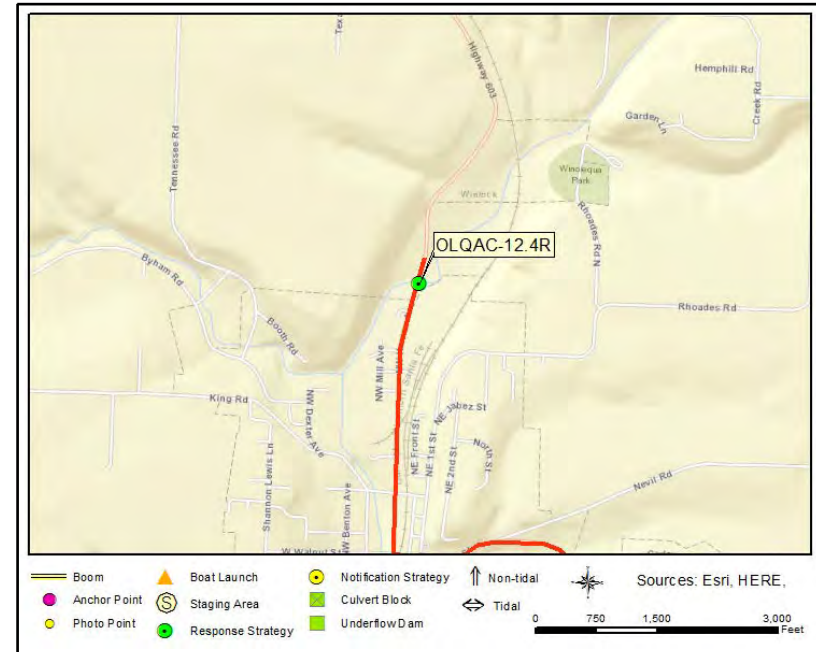
### Site Contact

#### Lewis County

Municipality (County/City) : Emergency Management  
345 West Main Street  
Chehalis, WA 98532  
360-740-1151

### Nearest Address

2768 Old Hwy 603  
Winlock, WA 98596



### Driving Directions

1. Head north on I-5 N
2. Take exit 63 on the right to WA-505 toward Winlock / Toledo
3. At the stop sign, make a sharp left on WA-505
4. Turn right on NW Kerron Ave
5. Turn left
6. Park by the retention pond on the right side of the road

## Ostrander Creek at West Stock Road

OSTRC-0.1

**Position - Location:** 46° 11.698', -122° 53.812' 46° 11' 41.9", -122° 53' 48.7" 46.19497, -122.89686 Kelso

**Strategy Objective:** Exclusion : Keep oil out of Ostrander Creek tributary.

**Implementation:** Deploy 100ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom.

**Staging Area:** Onsite: Stage equipment onsite.

**Site Safety:** Slips, Trips, Falls; Uneven Surface; Vehicle Traffic; Water Hazard

**Field Notes:** Call Cowlitz County before deployment (360-577-3130). The creek joins the Cowlitz River on the other side of the train tracks.

**Watercourse:** Creek - Ostrander Creek

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor

## Ostrander Creek at West Stock Road

OSTRC-0.1



OSTRC-0.1 Photo: From W Stock Road, looking south towards creek. Photo was taken in late August.

### Site Contact

#### Cowlitz County

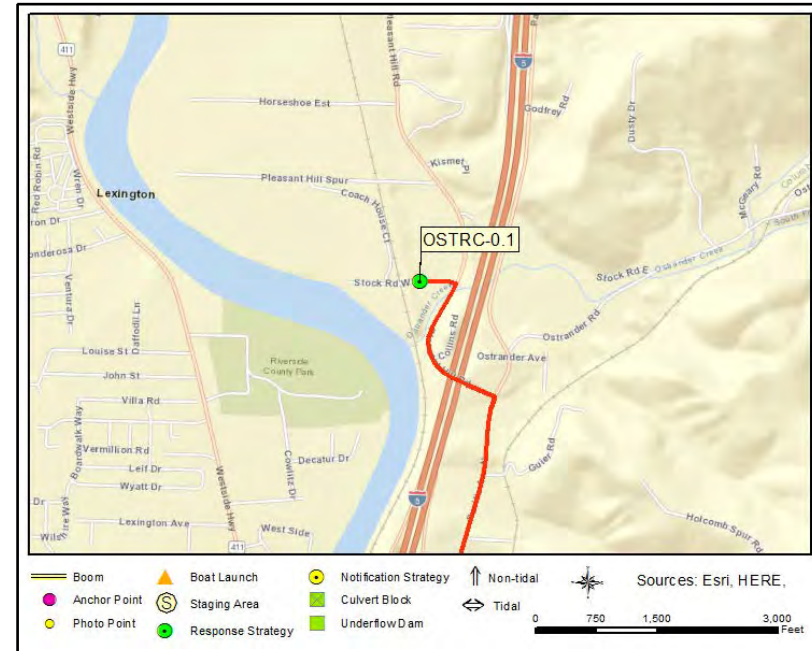
Municipality (County/City) : Emergency Management

Kelso, WA 98626

360-577-3130

### Nearest Address

46 W Stock Rd  
Kelso, WA 98626



### Driving Directions

1. Head north on I-5
2. Take exit 42 to Sparks Drive toward Pleasant Hill Rd
3. Turn right on Sparks Dr
4. Turn left on Pacific Ave N
5. Turn left on Pleasant Hill Rd
6. Location is on the left, park on W Stock Rd



Ostrander Creek

OSTRC-0.2

Ostrander Creek

OSTRC-0.2

<b>Position - Location:</b>	46° 11.689', -122° 53.732'	46° 11' 41.4", -122° 53' 43.9"	46.19482, -122.89553	Kelso
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**Strategy Objective:** Collection : Collect oil moving downstream on Ostrander Creek.

<b>Implementation:</b>	Deploy 100ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.
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**Staging Area:** Onsite: Stage equipment onsite.

**Site Safety:** Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** Call Cowlitz County before deployment (360-577-3130). The creek joins the Cowlitz River on the other side of the train tracks.

**Watercourse:** Creek - Ostrander Creek

<b>Resources at Risk:</b>	Resident Fish, Salmonids
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2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

Recommended Personnel	
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2	Laborer
1	Supervisor



OSTRC-0.2 Photo: From right bank next to W Stock Road, looking south across creek. Photo was taken in late August.

#### Site Contact

##### Cowlitz County

Municipality (County/City) : Emergency Management

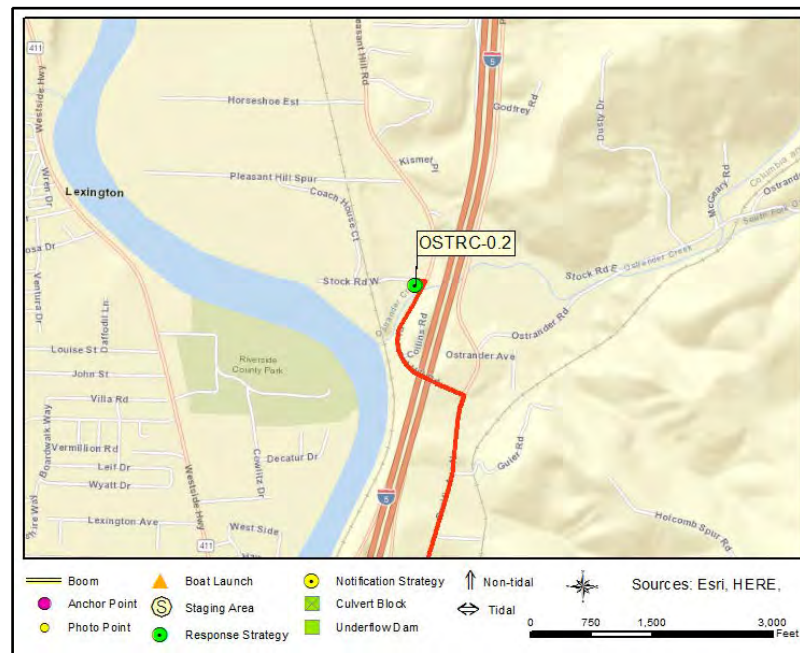
Kelso, WA 98626

360-577-3130

#### Nearest Address

3440 Pleasant Hill Rd

Kelso, WA 98626



#### Driving Directions

1. Head north on I-5
2. Take exit 42 to Sparks Drive toward Pleasant Hill Rd
3. Turn right on Sparks Dr
4. Turn left on Pacific Ave N
5. Turn left on Pleasant Hill Rd
6. Location is on the left, park on W Stock Rd

## Ostrander Creek at Pacific Avenue North

OSTRC-0.3

<b>Position - Location:</b>	46° 11.684', -122° 53.588'	46° 11' 41.0", -122° 53' 35.3"	46.19473, -122.89313	Kelso
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**Strategy Objective:** Collection : Collect oil moving downstream on Ostrander Creek.

<b>Implementation:</b>	Deploy 100ft boom at anchor point A. Secure remainder at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom to riverbank.
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<b>Staging Area:</b>	Onsite: Stage equipment onsite.
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<b>Site Safety:</b>	Slips, Trips, Falls; Uneven Surface; Vegetation; Water Hazard
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**Field Notes:** Call Cowlitz County before deployment (360-577-3130). The creek joins the Cowlitz River on the other side of I-5.

<b>Watercourse:</b>	Creek - Ostrander Creek
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<b>Resources at Risk:</b>	Raptors, Resident Fish, Salmonids
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2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
1	Each	Heavy duty pruners (for hand removal of vegetation)
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

Recommended Personnel	
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2	Laborer
1	Supervisor

## Ostrander Creek at Pacific Avenue North

OSTRC-0.3



OSTRC-0.3 Photo: From the far side of Pacific Avenue, looking east towards the creek. Photo was taken in late August.

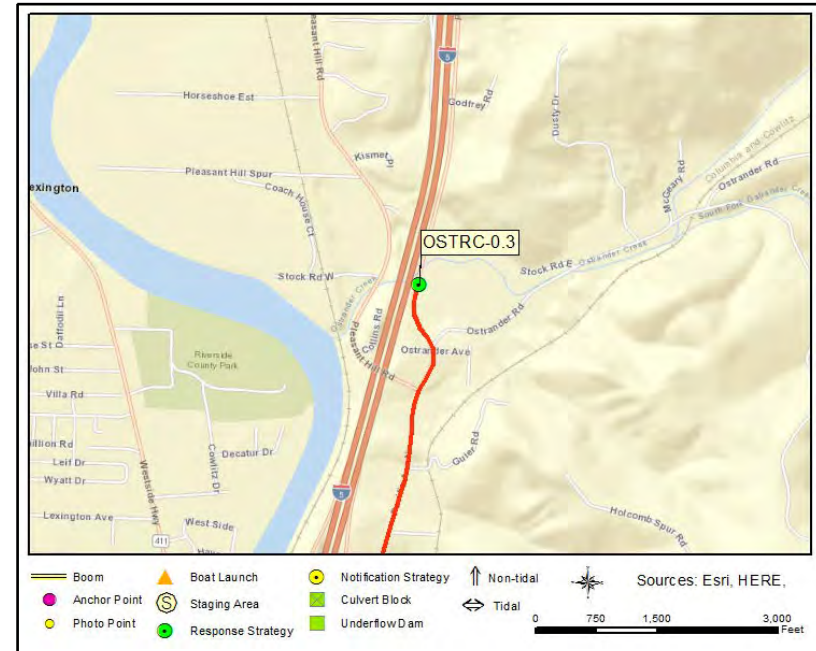
### Site Contact

**Cowlitz County**  
Municipality (County/City) : Emergency Management

Kelso, WA 98626  
360-577-3130

### Nearest Address

2780 N Pacific Ave  
Kelso, WA 98626



### Driving Directions

1. Head north on I-5
2. Take exit 42 to Sparks Drive toward Pleasant Hill Rd
3. Turn right on Sparks Dr
4. Turn left on Pacific Ave N
5. Location is on the right



## Salmon Creek Regional Park

SALMC-5.6

**Position - Location:** 45° 42.409', -122° 39.476' 45° 42' 24.5", -122° 39' 28.5" 45.70681, -122.65793 Vancouver

**Strategy Objective:** Collection : Collect oil moving downstream on Salmon Creek.

**Implementation:** Deploy 100ft boom at anchor point A. Secure remainder at 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:** Onsite: Stage equipment onsite.

**Site Safety:** Slips, Trips, Falls; Uneven Surface; Vegetation; Water Hazard

**Field Notes:** The property is a county park. Call the parks department before deployment (564-397-2285). The creek flows into the Columbia River.

**Watercourse:** Creek - Salmon Creek

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



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
1	Each	Heavy duty pruners (for hand removal of vegetation)
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor



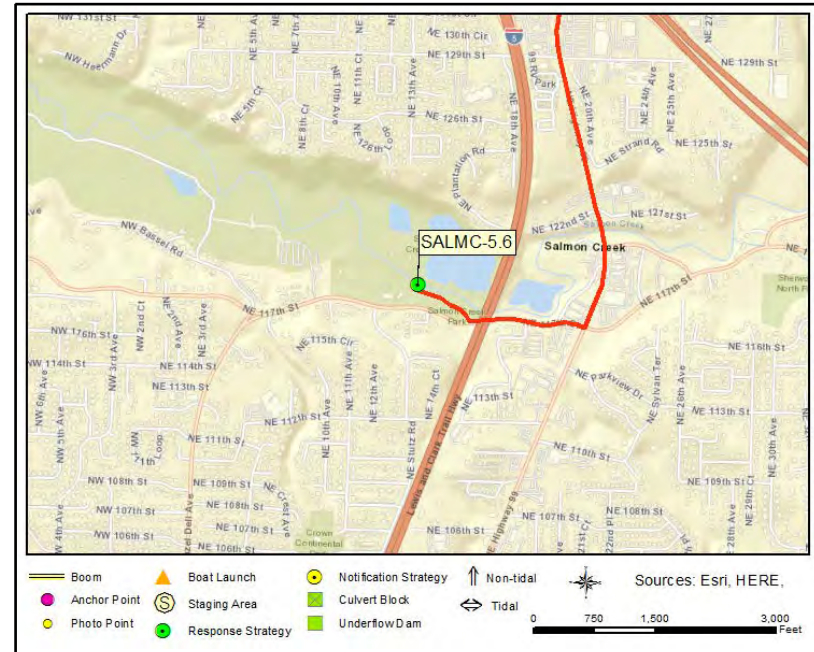
SALMC-5.6 Photo: From the north side of the bridge, looking southwest along Salmon Creek. Photo was taken in late October.

## Site Contact

**Clark County Parks**  
Municipality (County/City) :  
4700 NE 78th Street  
Vancouver, WA 98665  
564-397-2285

## Nearest Address

1112 NE 117th St  
Vancouver, WA 98685



## Driving Directions

1. Head south on I-5
2. At Exit 7, keep right to stay on Interstate-205 (Salem)
2. On I-205 take Exit 36 (NE 134th Street)
3. At end of ramp, turn left onto NE 134th Street
4. Turn right onto NE Hwy 99/Pacific Hwy
5. Turn right onto NE 117th Street
6. Location is on the right, by the bridge across the creek

## Salmon Creek at Pleasant Hill Road

SLMNC-0.4L

**Position - Location:** 46° 15.294', -122° 53.098' 46° 15' 17.6", -122° 53' 5.9" 46.25490, -122.88497 Kelso

**Strategy Objective:** Collection : Collect oil moving downstream on Salmon Creek.

**Implementation:** Deploy 100ft boom on right bank at anchor point A. Secure remainder to left bank at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom.

**Staging Area:** Onsite: Stage equipment onsite.

**Site Safety:** Slips, Trips, Falls; Uneven Surface; Vehicle Traffic; Water Hazard

**Field Notes:** Call Cowlitz County before deployment (360-577-3130).

**Watercourse:** Creek - Salmon Creek

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage (if collection)

### Recommended Personnel

2	Laborer
1	Supervisor



## Salmon Creek at Pleasant Hill Road

SLMNC-0.4L



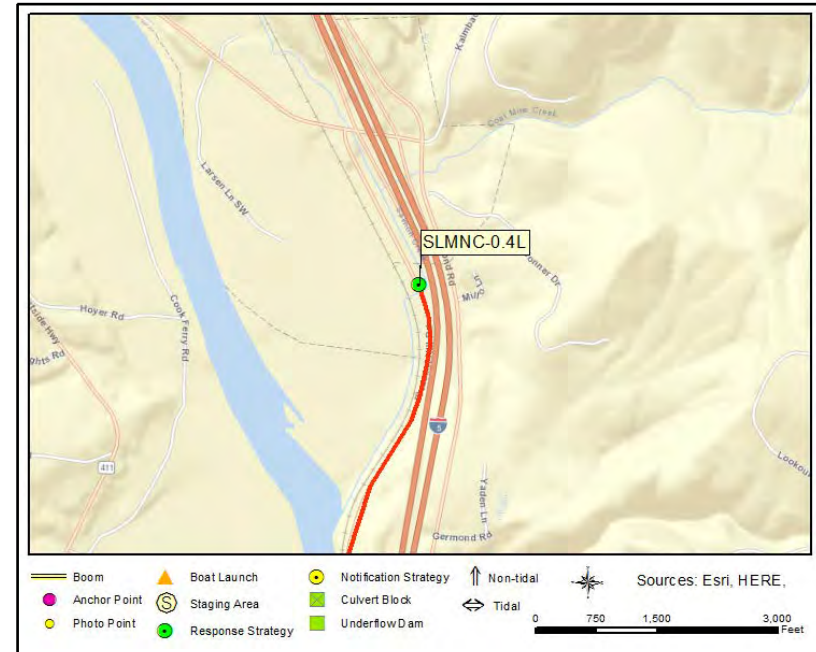
SLMNC-0.4L Photo: From the downstream side of the bridge, looking northeast/upstream under the bridge. Photo was taken in July.

### Site Contact

**Cowlitz County**  
Municipality (County/City) : Emergency Management  
360-577-3130

### Nearest Address

5400 Pleasant Hill Rd  
Kelso, WA 98626



### Driving Directions

1. Head north on I-5
2. Take exit 46 on the right to Headquarters Road toward Pleasant Hill Rd
3. At the stop sign, make a sharp left on Headquarters Rd
4. At the stop sign, make a sharp right on Pleasant Hill Rd
5. Park along the side of the road



## Salmon Creek along Dougherty Dr

SLMNC-2.3

**Position - Location:** 46° 16.676', -122° 53.853' 46° 16' 40.5", -122° 53' 51.2" 46.27793, -122.89755 Castle Rock

**Strategy Objective:** Collection : Collect oil moving downstream on Salmon Creek.

**Implementation:** Deploy 100ft boom on left bank at anchor point A. Secure remainder to right bank at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom.

**Staging Area:** Onsite: Stage equipment onsite.

**Site Safety:** Slips, Trips, Falls; Water Hazard; Roadway Hazard; Vegetation.

**Field Notes:** Call Cowlitz County before deployment (360-577-3130).

**Watercourse:** Creek - Salmon Creek

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor

## Salmon Creek along Dougherty Dr

SLMNC-2.3



SLMNC-2.3 Photo: Photo taken from road looking south



### Site Contact

#### Cowlitz County

Municipality (County/City) : Emergency Management

Kelso, WA 98626

360-577-3130

### Nearest Address

Dougherty Dr

Castle Rock, WA 98611

### Driving Directions

1. From Kelso, take I-5 N
2. Take exit 48 to Business Loop/ Castle Rock (0.26 miles)
3. Make sharp right on Huntington Ave S (0.06 miles)
4. Turn left on Bond Rd (1.23 miles)
5. Turn left on Powell Rd (0.1 miles)
6. Turn right on Dougherty Dr (0.2 miles)
7. Site is on right, where Creek crosses under roadway.

## Toutle River River Mile 1.0

TTLR-1.0L

**Position - Location:** 46° 19.040', -122° 54.406' 46° 19' 2.4", -122° 54' 24.4" 46.31733, -122.90677 Castle Rock

**Strategy Objective:** Collection : Collect oil moving downriver on Toutle River.

**Implementation:** Using workboat, deploy 400ft boom on left bank at anchor point A. Secure remainder to right bank at 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-CWLZR-17.6 Al Helenberg Memorial Boat Launch (5040 Westside Hwy, Castle Rock, WA 98611).

**Site Safety:** Recreational Boat Traffic; Slips, Trips, Falls; Uneven Surface; Water Hazard

**Field Notes:** Call Cowlitz County before deployment (360-577-3130). The river joins the Cowlitz River at river mile 20.

**Watercourse:** River - Toutle River

**Resources at Risk:** Resident Fish, Salmonids



### Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B3 (River 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



TTLR-1.0L Photo: From left bank, looking southeast/upriver.  
Photo was taken in late August.

#### Site Contact

##### Cowlitz County

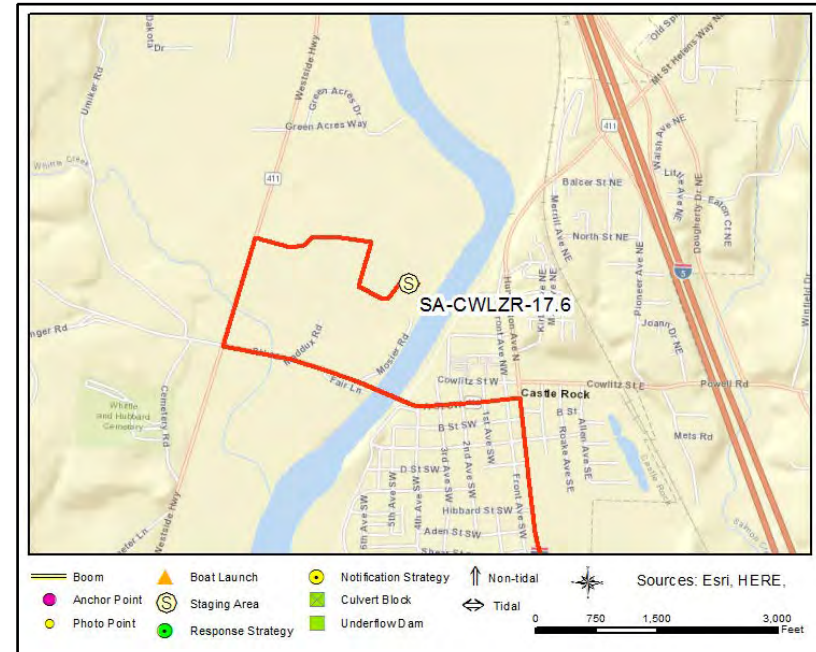
Municipality (County/City) : Emergency Management

Kelso, WA 98626

360-577-3130

#### Nearest Address

5040 Westside Hwy  
Castle Rock, WA 98611



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Al Helenberg Memorial Boat Launch (SABL-CWLZR-17.6):

1. Head north on I-5
2. Take the ramp on the right at exit 48
3. Continue on I-5BL/Huntington Ave S. Drive to Mosier Rd
4. Turn left onto I-5BL/Huntington Ave S
5. Turn left onto WA-411 N/A St
6. Turn right onto Westside Hwy
7. Turn right into sports complex. Boat launch is behind the park.



## Whipple Creek at NW 41st Avenue

WPPLC-2.3

<b>Position - Location:</b>	45° 44.997', -122° 42.784'	45° 44' 59.8", -122° 42' 47.0"	45.74995, -122.71306	Ridgefield
<b>Strategy Objective:</b>	Collection : Collect oil moving downstream on Whipple Creek.			
<b>Implementation:</b>	Deploy 100ft boom on left bank at anchor point A. Secure remainder to right bank at anchor point B. Use anchoring systems as needed to keep boom secure. Use anchor posts, existing structures, or trees to secure boom.			
<b>Staging Area:</b>	Onsite: Stage equipment onsite.			
<b>Site Safety:</b>	Slips, Trips, Falls; Uneven Surface; Water Hazard			
<b>Field Notes:</b>	The land on the east side of the road is a conservation area. Call Clark County before deployment (360-992-6285).			
<b>Watercourse:</b>	Creek - Whipple Creek			
<b>Resources at Risk:</b>	Resident Fish, Salmonids, Sensitive Resources, Waterfowl			



### Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

### Recommended Personnel

2	Laborer
1	Supervisor

## Whipple Creek at NW 41st Avenue

WPPLC-2.3



WPPLC-2.3 Photo: From right bank, looking southwest across the creek. Photo was taken in late October.

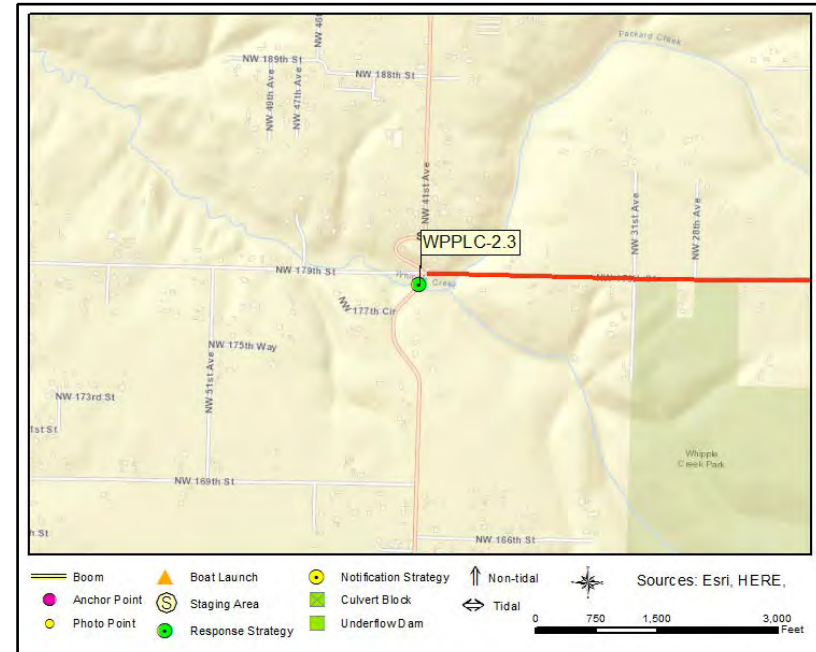
### Site Contact

**Clark Regional Emergency Services (CRESA)**  
Municipality (County/City) :

Vancouver, WA 98660  
360-992-6285

### Nearest Address

17903 NW 41st Ave  
Ridgefield, WA 98642



### Driving Directions

1. Head north on I-5
2. Take exit 9 on the right to NE 179th St toward Clark County Event Center
3. At the traffic light, turn left on NE 179th St
4. Location is on the left

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## **APPENDIX B**

### **Notification Strategy 2-Pagers**



## City of Kelso Water Intakes

CWLZR-4.7-N

**Position - Location:** 46° 8.543', -122° 54.830' 46° 8' 32.6", -122° 54' 49.8" 46.14238, -122.91383 Kelso

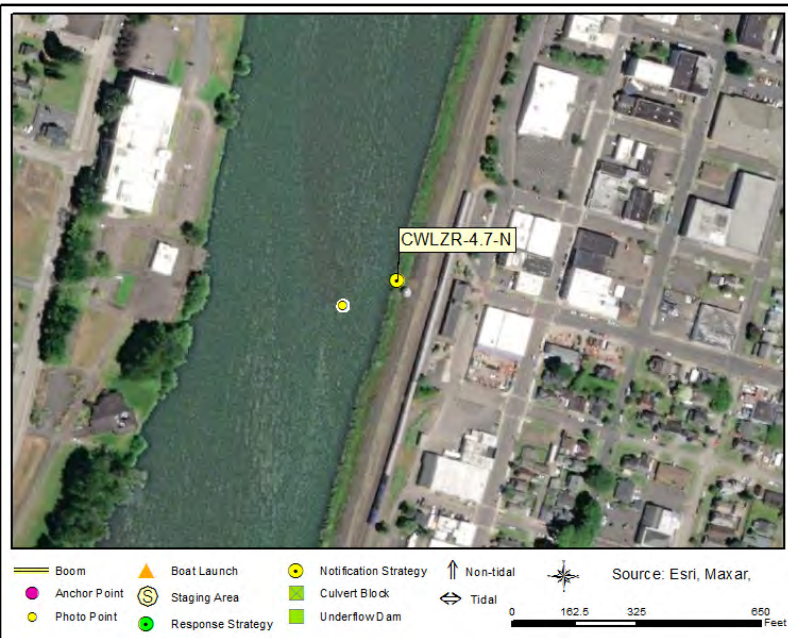
**Strategy Objective:** Notification : Notify City of Kelso Operations so they can take action to protect the resources under their control.

**Implementation:** Call the city at (360) 577-3360 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the water intakes at Cowlitz River Mile 4.7 (left bank), so they can take action to protect the resources under their control.

**Field Notes:** The structure is behind a fence between the river and the train station.

**Watercourse:** River - Cowlitz River

**Resources at Risk:** Water Intakes



### Communication Process and Action:

Call the city at (360) 577-3360 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the water intakes at Cowlitz River Mile 4.7 (left bank), so they can take action to protect the resources under their control. Actions taken by the city might include shutting down the intake pumps and closing intake valves. If you are unable to reach Public Works, please call Cowlitz County at 360-577-3130.

## City of Kelso Water Intakes

CWLZR-4.7-N



CWLZR-4.7-N Photo: From the middle of the Cowlitz River, looking east towards the water intake building. Photo was taken in early June.

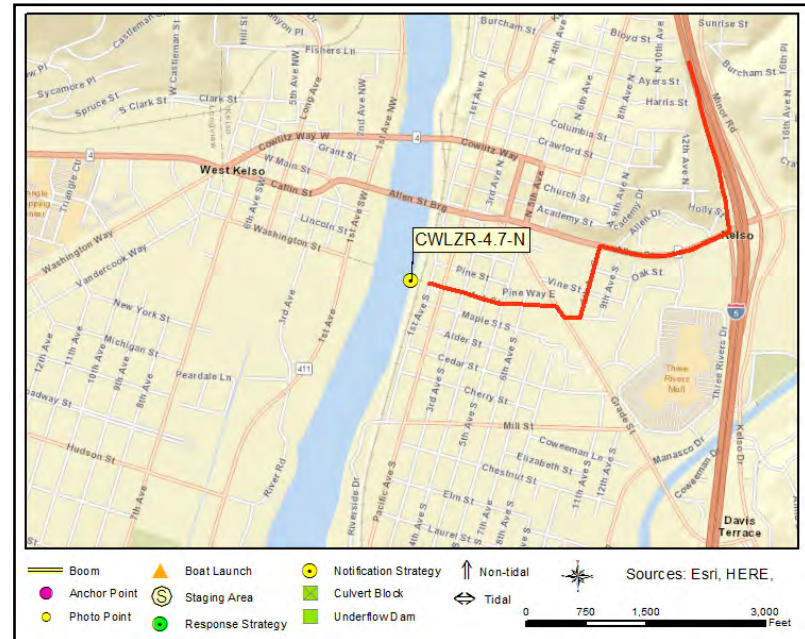
### Site Contact

#### City of Kelso

Municipality (County/City) : Operations  
203 S Pacific Ave  
Kelso, WA 98626  
360-577-3360

### Nearest Address

501 1st Ave S  
Kelso, WA 98626



### Driving Directions

1. Head south on I-5
2. Take Exit 39 (WA-4 toward Kelso)
3. At end of exit, turn right onto highway WA-4/Allen Street
4. Turn left onto S 4th Avenue
5. Turn right onto Ash Street
6. Turn left onto 1st Avenue S
7. The structure is behind the train station

## City of Longview Water Intakes

CWLZR-5.2-N

**Position - Location:** 46° 9.022', -122° 54.869' 46° 9' 1.3", -122° 54' 52.1" 46.15037, -122.91448 Kelso

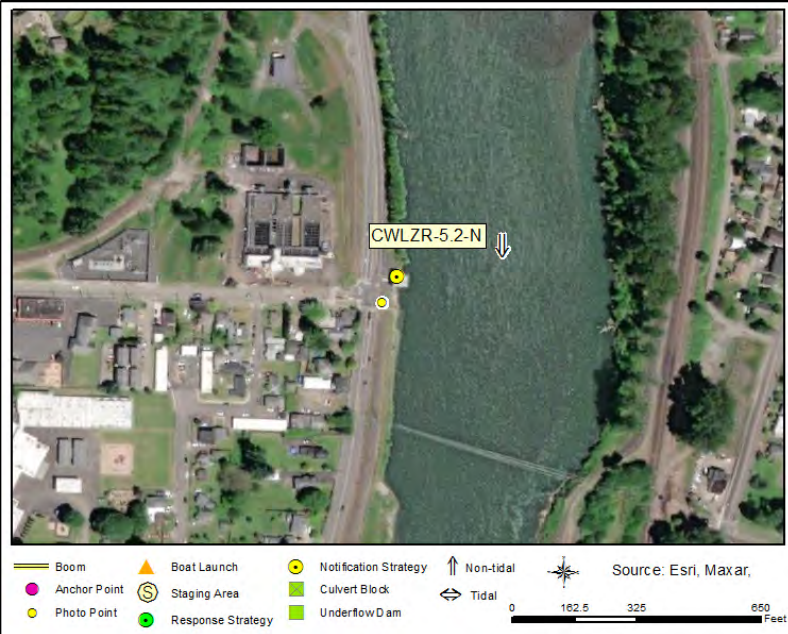
**Strategy Objective:** Notification : Notify City of Longview Public Works so they can take action to protect the resources under their control.

**Implementation:** Call the city at (360) 442-5200 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the water intakes at Cowlitz River Mile 5.2 (right bank), so they can take action to protect the resources under their control.

**Field Notes:** This water intake delivers freshwater to Lake Sacajawea, approximately 1.5 miles to the west.

**Watercourse:** River - Cowlitz River

**Resources at Risk:** Economic Resource, Water Intakes



### Communication Process and Action:

Call the city at (360) 442-5200 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the water intakes at Cowlitz River Mile 5.2 (right bank), so they can take action to protect the resources under their control. Actions taken by the city might include shutting down the intake pumps and closing intake valves. If you are unable to reach Public Works, please call Cowlitz County at 360-577-3130.





CWLZR-5.2-N Photo: From First Ave NW, looking northeast towards the water intake building. Photo was taken in late August.

## Site Contact

### City of Longview Public Works

Municipality (County/City) :

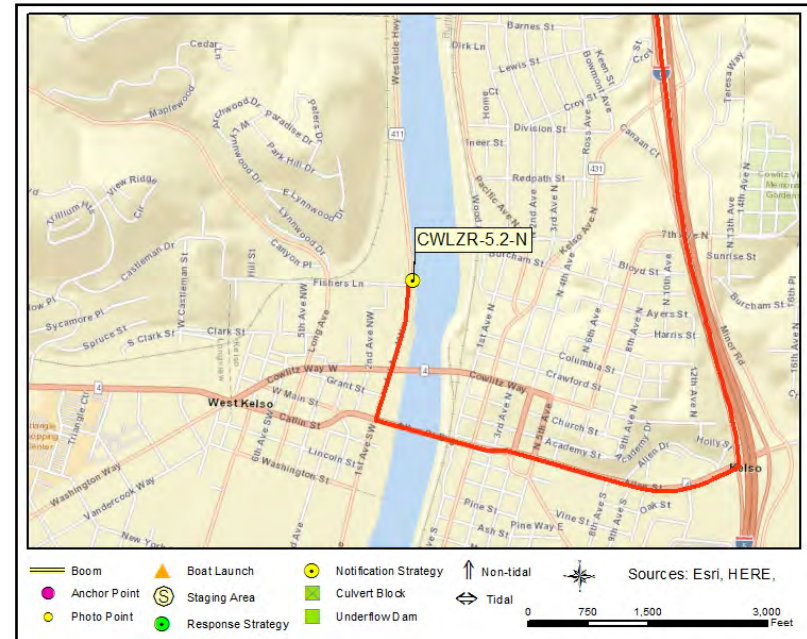
1525 Broadway

Longview, WA 98632

360-442-5200

## Nearest Address

101 Fishers Lane  
Kelso, WA 98626



## Driving Directions

1. Head south on I-5
2. Take Exit 39 (towards Kelso)
3. Turn right at the end of exit ramp, heading west on Hwy 4/Allen Street
4. Just after the bridge over the Cowlitz River, turn right onto 1st Avenue NW
5. The location will be on the right



## City of Castle Rock Water Intakes

CWLZR-22.3-N

**Position - Location:** 46° 20.042', -122° 55.916' 46° 20' 2.5", -122° 55' 55.0" 46.33403, -122.93194 Castle Rock

**Strategy Objective:** Notification : Notify City of Castle Rock Public Works Department so they can take action to protect the resources under their

**Implementation:** Call Public Works at (360) 274-7478 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the water intakes at Cowlitz River Mile 22.3 (right bank), so they can take action to protect the resources under their control.

**Field Notes:** The water intake structure is behind a gate. It is possible to walk around the gate though one would need a key to drive the remaining distance.

**Watercourse:** River - Cowlitz River

**Resources at Risk:** Economic Resource, Water Intakes



### Communication Process and Action:

Call Public Works at (360) 274-7478 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the water intakes at Cowlitz River Mile 22.3 (right bank), so they can take action to protect the resources under their control. Actions by the city might include shutting down the intake pumps and closing intake valves. If you are unable to reach Public Works, please call the city at (360) 274-8181.

## City of Castle Rock Water Intakes

CWLZR-22.3-N



CWLZR-22.3-N Photo: From the dirt road, looking north towards the water intakes. Photo was taken in August.

### Site Contact

#### City of Castle Rock

Land/Property Contact : Public Works  
360 "A" Street SW - P.O. Box 370  
Castle Rock, WA 98611  
360-274-7478

### Nearest Address

6810 Westside Hwy  
Castle Rock, WA 98611



### Driving Directions

1. Head south on Interstate-5
2. Take Exit 59 (WA-506, Vader/Ryderwood)
3. At end of exit, turn left to head west on highway WA-506
4. Turn left onto Westside Highway
5. Turn left onto unnamed dirt/gravel road and take long driveway to immediate left
6. The pump station is behind the gated fence

## City of Vader Water Intakes

CWLZR-27.3-N

**Position - Location:** 46° 24.389', -122° 56.035' 46° 24' 23.4", -122° 56' 2.1" 46.40649, -122.93392 Vader

**Strategy Objective:** Notification : Notify the City of Vader Public Works Department so they can take action to protect the resources under their control.

**Implementation:** Call the city at (360) 295-3222 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the water intakes at Cowlitz River Mile 27.3 (right bank), so they can take action to protect the resources under their control.

**Field Notes:** A collection strategy is situated nearby. A vacuum truck may need to park near the building along the riverbank.

**Watercourse:** River - Cowlitz River

**Resources at Risk:** Water Intakes



### Communication Process and Action:

Call the city at (360) 295-3222 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the water intakes at Cowlitz River Mile 27.3 (right bank), so they can take action to protect the resources under their control. Actions taken by the city might include shutting down the intake pumps and closing intake valves. If you are unable to reach Public Works, please call Lewis County at (360) 740-1151.





CWLZR-27.3-N Photo: From the middle of the Cowlitz River, looking northwest towards the water intake building. Photo was taken in early June.

#### Site Contact

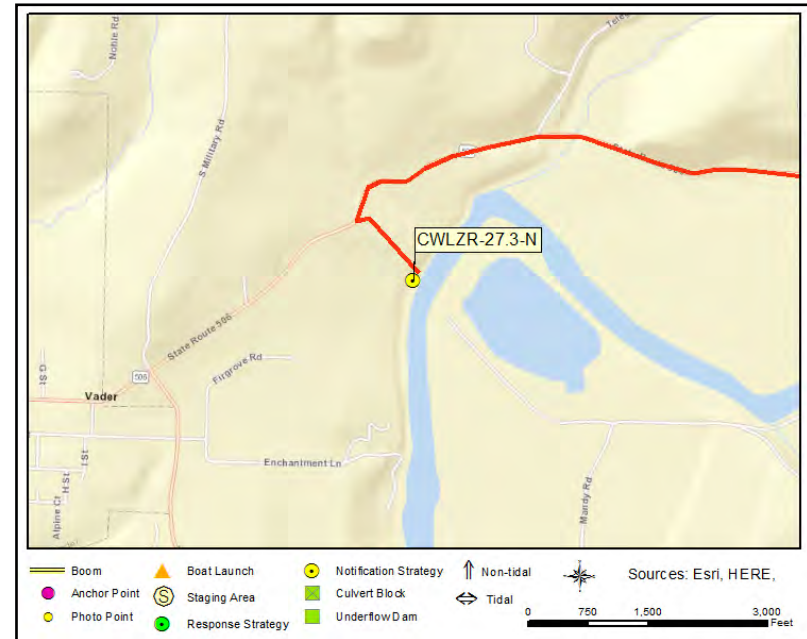
##### City of Vader

Municipality (County/City) : City Hall

Vader, WA 98596  
360-295-3222

#### Nearest Address

900 WA-506  
Vader, WA 98593



#### Driving Directions

1. Head north on I-5
2. Take exit 59 on the right toward WA-506 W / Vader / Ryderwood
3. Make a sharp right on Cowlitz Loop Rd toward WA-506 / Vader / Ryderwood
4. Turn left on WA-506
5. Turn left onto dirt road leading down to the river



## WDFW Cowlitz Salmon and Trout Hatcheries

CWLZR-49.8-N

**Position - Location:** 46° 30.680', -122° 37.768' 46° 30' 40.8", -122° 37' 46.1" 46.51134, -122.62946 Salkum

**Strategy Objective:** Notification : Notify WDFW 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 hatcheries along the upper Cowlitz River, so they can take action to protect the resources under their control.

**Field Notes:** The Cowlitz Salmon Hatchery also manages the Cowlitz Trout Hatchery (165 Osprey Ln, Toledo, WA 98591) at approximately River Mile 43 (right bank). Call the former in order to notify one or both facilities.

**Watercourse:** River - Cowlitz River

**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 hatcheries along the upper Cowlitz River, so they can take action to protect the resources under their control. Actions taken by hatchery staff might include shutting down the intake pumps and closing intake valves. The same phone number works for both hatcheries.

No Photograph Available

CWLZR-49.8-N Photo: No photo currently 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

125 Salmon Ln  
Salkum, WA 98582

#### Driving Directions

1. Head south on Interstate-5
2. Take Exit 68 (US-12 East; Morton/Yakima)
3. At end of exit, turn left onto highway US-12 East
4. Turn right onto Fuller Road
5. Turn left onto Spencer Road
6. Keep right to remain on Barrier Dam Lane
7. Turn left onto Salmon Ln, the hatchery will be on the right

## City of Kalama Water Intakes

KLMAR-2.6-N

**Position - Location:** 46° 2.617', -122° 50.341' 46° 2' 37.0", -122° 50' 20.5" 46.04361, -122.83902 Kalama

**Strategy Objective:** Notification : Notify City of Kalama Public Works so they can take action to protect the resources under their control.

**Implementation:** Call the city at (360) 673-3706 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the water intakes at Kalama River Mile 2.6 (left bank), so they can take action to protect the resources under their control.

**Field Notes:** No information

**Watercourse:** River - Kalama River

**Resources at Risk:** Water Intakes



### Communication Process and Action:

Call the city at (360) 673-3706 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the water intakes at Kalama River Mile 2.6 (left bank), so they can take action to protect the resources under their control. Actions taken by the city might include shutting down the intake pumps and closing intake valves. If you are unable to reach Public Works, please call Cowlitz County at 360-577-3130.



KLMAR-2.6-N Photo: From Modrow Road, looking west towards the drinking water treatment facility. The intake is behind the fence on the left. Photo was taken in July.

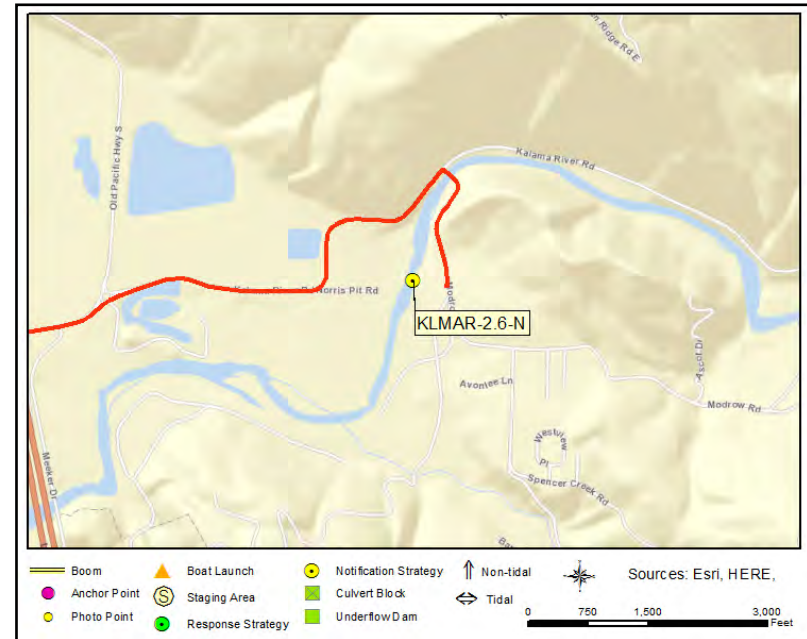
## Site Contact

### City of Kalama - Public Works

Municipality (County/City) :  
6315 Old Pacific Hwy South  
Kalama, WA 98625  
360-673-3706

## Nearest Address

153 Modrow Rd  
Kalama, WA 98625



## Driving Directions

1. Head south on I-5
2. Take Exit 32
3. Turn left at end of exit ramp to head east on Kalama River Rd
4. Turn right onto Modrow Rd
5. The facility is on your right



# WDFW Kalama Falls Hatchery

KLMAR-10.8-N

**Position - Location:** 46° .985', -122° 43.990' 46° 0' 59.1", -122° 43' 59.4" 46.01642, -122.73316 Kalama

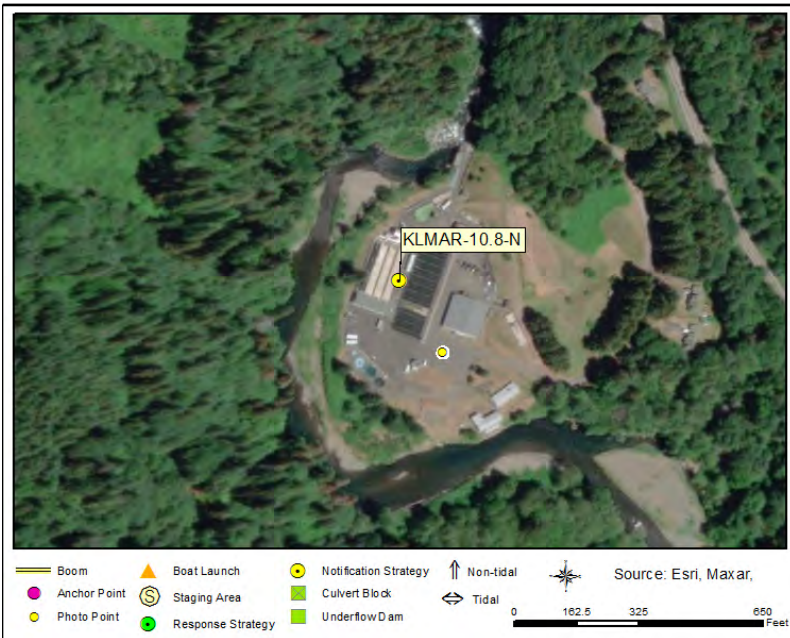
**Strategy Objective:** Notification : Notify WDFW so they can take action to protect the resources under their control.

**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 hatchery along the Kalama River, so they can take action to protect the resources under their control.

**Field Notes:** No information

**Watercourse:** River - Kalama River

**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 hatcheries along the Kalama River, so they can take action to protect the resources under their control. Actions taken by hatchery staff might include shutting down the intake pumps, closing intake valves, and/or delaying the release of fish.



KLMAR-10.8-N Photo: From the parking lot, looking north towards the main building with fish pens in the background.

## Site Contact

### Washington Dept. of Fish and Wildlife

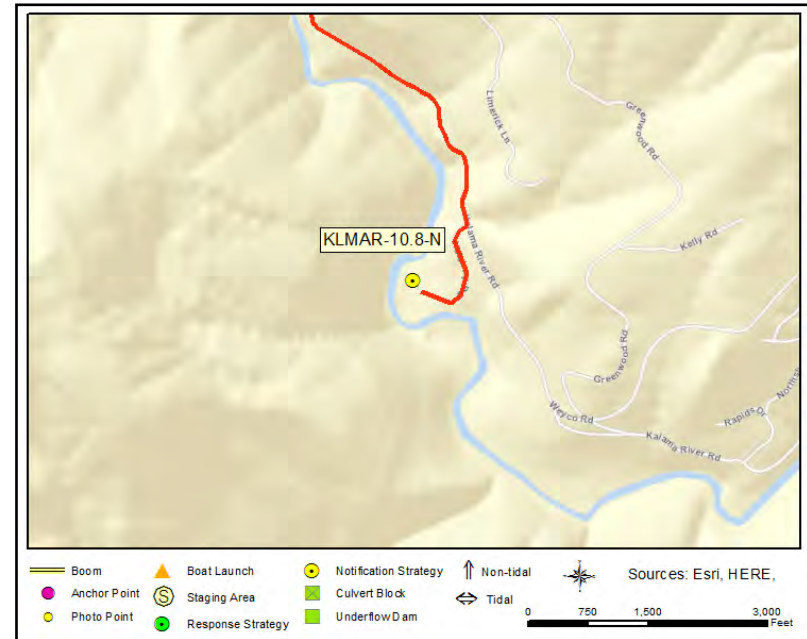
Land/Property Contact : Hatchery Division Manager  
360-601-1301

### Washington Dept. of Fish and Wildlife

Land/Property Contact : Assistant Hatchery Division Manager  
360-460-6993

## Nearest Address

Kalama River Road  
Kalama, WA 98625



## Driving Directions

1. Head south on I-5
2. Take Exit 32
3. Turn left at end of exit ramp to head east on Kalama River Road
4. Turn right onto Hatchery Road
5. The location is at the end of the road

## City of Woodland Water Intakes

LEWR-7.0-N

**Position - Location:** 45° 54.608', -122° 44.409' 45° 54' 36.5", -122° 44' 24.5" 45.91014, -122.74015 Woodland

**Strategy Objective:** Notification : Notify City of Woodland so they can take action to protect their water intakes

**Implementation:** Call the City of Woodland Public Works at 360-606-1191, 360-608-1417, or 360-607-0968. Inform them of any significant oil spill or potential spill that impacts or threatens to impact the Lewis River upstream of the Ranney Collector/Water Intake.

**Field Notes:** No information

**Watercourse:** River - Lewis River

**Resources at Risk:** Water Intakes



### Communication Process and Action:

Call the City of Woodland at 360-606-1191, 360-608-1417, or 360-607-0968. Inform them of any significant oil spill or potential spill that impacts or threatens to impact the Lewis River upstream of the Ranney Collector/Water Intake.

Once notified, the City of Woodland will determine what action(s) they need to take to protect the collector/intakes. Actions by the city might include shutting down the intake pumps and closing intake valves.



LEWR-7.0-N Photo: At Bryant pump house on river right of the Lewis River in Woodland, looking SE towards the facility. Lewis River in background.

#### Site Contact

##### City of Woodland - Public Works

Municipality (County/City) :

300 E Scott Avenue

Woodland, WA 98674

360-225-7999

#### Nearest Address

1380 Lewis River Rd

Woodland, WA 98674



#### Driving Directions

1. Head south on Interstate-5 and Take Exit 21 (WA-503 East; Woodland/Cougar)
2. At end of exit, stay straight to remain on Pacific Avenue
3. After 0.7mi, turn left to stay on Pacific Avenue and then turn left onto highway WA-503 South (Lewis River Road)
4. After ~0.4mi, the Bryant Pump House will be on your right, across the street from the Hi-School Pharmacy store.



## WDFW Merwin Hatchery

LEWR-19.0-N

**Position - Location:** 45° 57.278', -122° 33.887' 45° 57' 16.7", -122° 33' 53.2" 45.95464, -122.56479 Ariel

**Strategy Objective:** Notification : Notify WDFW 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 hatchery on the Lewis River, so they can take action to protect the resources under their control.

**Field Notes:** No information

**Watercourse:** River - Below a Dam - Lewis River

**Resources at Risk:** Fish Hatchery, Salmonids



### 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 hatchery on the Lewis River, so they can take action to protect the resources under their control. Actions taken by hatchery staff might include shutting down the intake pumps, closing intake valves, and/or delaying the release of salmon.



LEWR-19.0-N Photo: From the entrance, looking northwards towards the main hatchery building.

## 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

111 Merwin Hatchery Ct  
Ariel, WA 98603



## Driving Directions

1. Head south on Interstate-5
2. Take Exit 21 (WA-503 East; Woodland/Cougar)
3. At end of exit, stay straight to remain on Pacific Avenue
4. Turn left to stay on Pacific Avenue and then turn left onto highway WA-503 South (Lewis River Road)
5. Turn right onto Merwin Village Road
6. Turn right onto Merwin Hatchery Court
7. The hatchery is on the right

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**APPENDIX C**  
**Staging Area 2-Pagers**



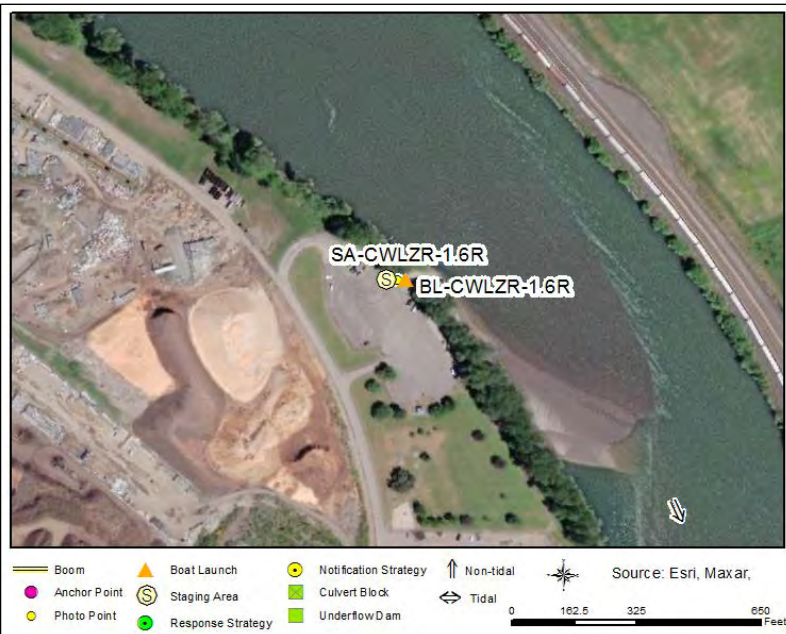
## Gerhart Gardens Park

SA-CWLZR-1.6R

### Staging Area

**Position - Location:** 46° 6.679', -122° 53.737' 46° 6' 40.8", -122° 53' 44.2" 46.11132, -122.89561 Longview

**Comments:** Public recreation area operated by the City of Longview. Notify the city before staging equipment (360-442-5421).



### GRP Response Strategies Served:

CWLZR-1.3L, CWMR-0.4L, CWLZR-1.6R, LCR-65.9R, CWMR-0.2R, CWMR-0.1L

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	3
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Marked	80000 Square Feet
Fuel	No	
Lot Cover (Primary)	Asphalt	100%
Parking - Car	Marked	25
Parking - Trailer	Marked	60
Power	No	
Restroom	Restroom - Flush	2
User Fee	No	
Waste Disposal	Trash Receptacle	
Water (potable)	No	

## Gerhart Gardens Park

SA-CWLZR-1.6R



SA-CWLZR-1.6R Photo: From the top of the boat ramp on river right, looking east towards the Cowlitz River.

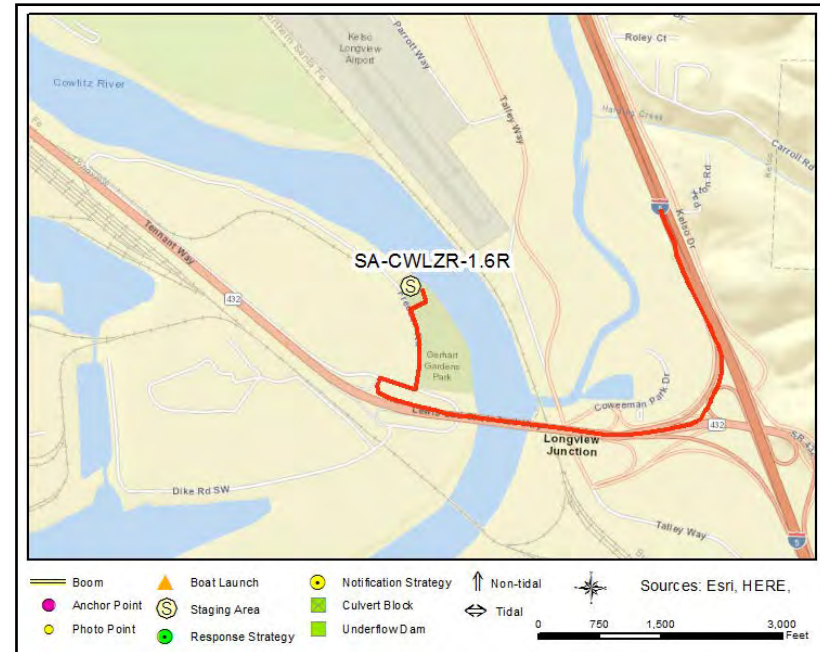
### Site Contact

#### City of Longview

Municipality (County/City) : Parks Department  
2920 Douglas Street  
Longview, WA 98632  
360-442-5421

### Nearest Address

40 Tennant Way  
Longview, WA 98632



### Driving Directions

1. Head north on I-5
2. Take the ramp on the right at exit 36.
3. Continue onto WA-432 W.
4. Take the exit toward Frontage Rd.
5. Drive to Freedom Rd.
6. Turn right onto Frontage Rd.
7. Turn left onto Freedom Rd. Boat launch is on the right.

## Westside Highway in Kelso

SA-CWLZR-6.4

### Staging Area

**Position - Location:** 46° 9.974', -122° 54.937' 46° 9' 58.5", -122° 54' 56.2" 46.16624, -122.91561 Kelso

**Comments:** Public recreation area on river right. Notify Cowlitz County before staging equipment (360-577-3130).



### GRP Response Strategies Served:

CWLZR-5.2R, CWLZR-5.6L, CWLZR-4.3L, CWLZR-6.4R, CWLZR-7.4L

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Gravel	1
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	4000
Fuel	No	
Lot Cover (Primary)	Dirt/Gravel	100%
Parking - Car	Not Marked	5
Parking - Trailer	Not Marked	
Power	No	
Restroom	None	
User Fee	No	
Waste Disposal	None	
Water (potable)	No	



## Westside Highway in Kelso

SA-CWLZR-6.4



SA-CWLZR-6.4 Photo: From road shoulder, looking northeast towards boat ramp.

### Site Contact

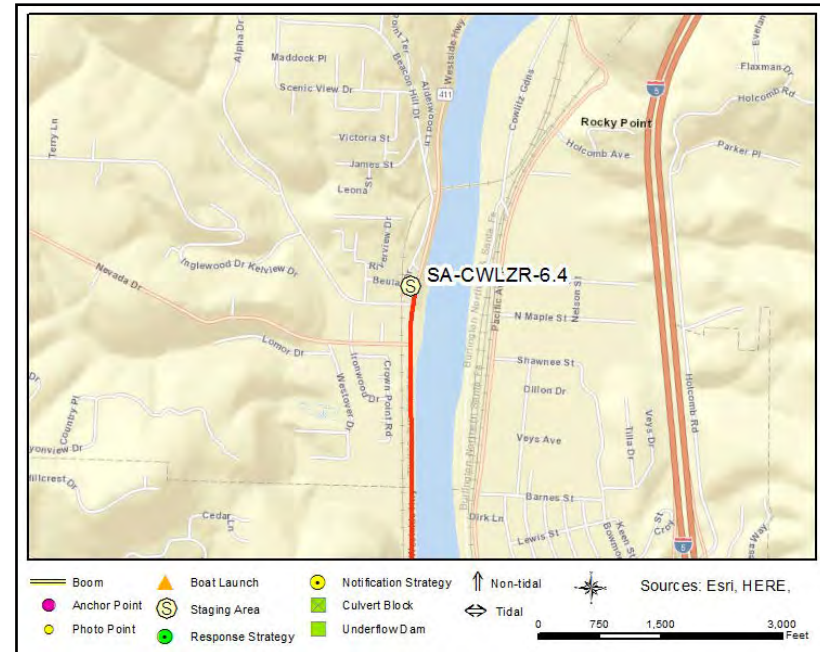
#### Cowlitz County

Municipality (County/City) : Emergency Management

Kelso, WA 98626  
360-577-3130

### Nearest Address

829 Westside Hwy  
Kelso, WA 98626



### Driving Directions

1. Head north on I-5
2. Take exit 39 to WA-4 W toward Kelso
3. Turn left on WA-4
4. Continue on Allen St Bridge
5. Turn right on WA-411
6. Boat launch is on the right.



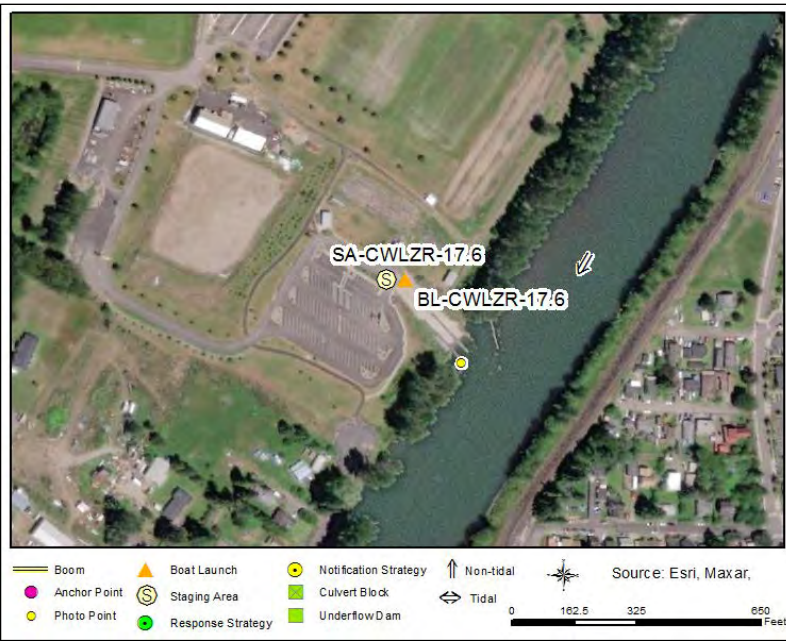
## Al Helenberg Memorial Boat Launch

SA-CWLZR-17.6

### Staging Area

**Position - Location:** 46° 16.715', -122° 54.735' 46° 16' 42.9", -122° 54' 44.1" 46.27858, -122.91225 Castle Rock

**Comments:** Public recreation area operated by the City of Castle Rock. Notify the city before staging equipment (360-274-7478).



### GRP Response Strategies Served:

CWLZR-15.8R, CWLZR-17.4L, CWLZR-17.6R, TTLR-1.0L, CWLZR-15.9L

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	2
Boat Ramp(s)	Concrete, Solid	2
Cell Phone Coverage	Yes	Verizon
Covered Spaces	Yes	1 picnic shelter
Estimated Lot Size	Marked	98000 Square Feet
Fuel	No	
Lot Cover (Primary)	Asphalt	100
Parking - Car	Marked	25
Parking - Trailer	Marked	60
Power	Unknown	
Restroom	Restroom - Flush	
User Fee	Yes	\$5/day (pay station near boat ramp)
Waste Disposal	Trash Receptacle	
Water (potable)	Yes	

## Al Helenberg Memorial Boat Launch

SA-CWLZR-17.6



SA-CWLZR-17.6 Photo: From the boat dock, looking northwest toward the top of the boat ramps.

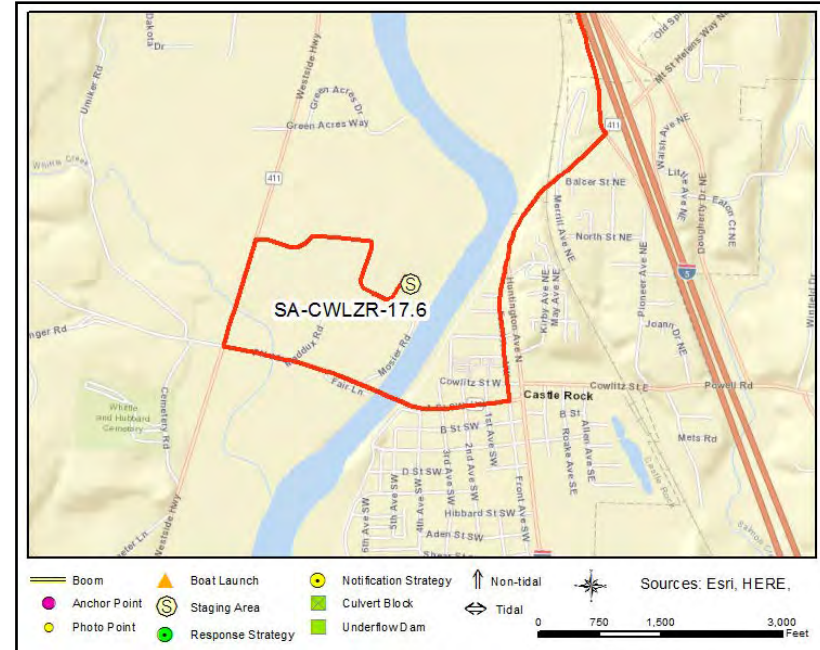
### Site Contact

#### City of Castle Rock

Municipality (County/City) : Public Works  
360 "A" Street SW - P.O. Box 370  
Castle Rock, WA 98611  
360-274-7478

### Nearest Address

5040 Westside Hwy  
Castle Rock, WA 98611



### Driving Directions

1. Head north on I-5
2. Take the ramp on the right at exit 48
3. Continue on I-5BL/Huntington Ave S. Drive to Mosier Rd
4. Turn left onto I-5BL/Huntington Ave S
5. Turn left onto WA-411 N/A St
6. Turn right onto Westside Hwy
7. Turn right into sports complex. Boat launch is behind the park.

## Olequa Creek WDFW Water Access Area

SA-CWLZR-24.7L

### Staging Area

**Position - Location:** 46° 22.083', -122° 56.038' 46° 22' 5.0", -122° 56' 2.3" 46.36805, -122.93397 Castle Rock

**Comments:** Public recreation area operated by WDFW on the left bank of the Cowlitz River. Notify Region 5 before staging equipment (360-696-6211).



### GRP Response Strategies Served:

CWLZR-23.6R, HILLC-0.9, CWLZR-26.5, CWLZR-24.7

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	1
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Gravel	8000 Square Feet
Fuel	No	
Lot Cover (Primary)	Gravel	100%
Parking - Car	Not Marked	20
Parking - Trailer	Not Marked	4
Power	No	
Restroom	Restroom - Vault	1
User Fee	Yes	Discover Pass
Waste Disposal	None	
Water (potable)	No	





SA-CWLZR-24.7L Photo: From the top of the boat ramp, looking west towards the Cowlitz River. The mouth of the Olequa Creek is across the river.

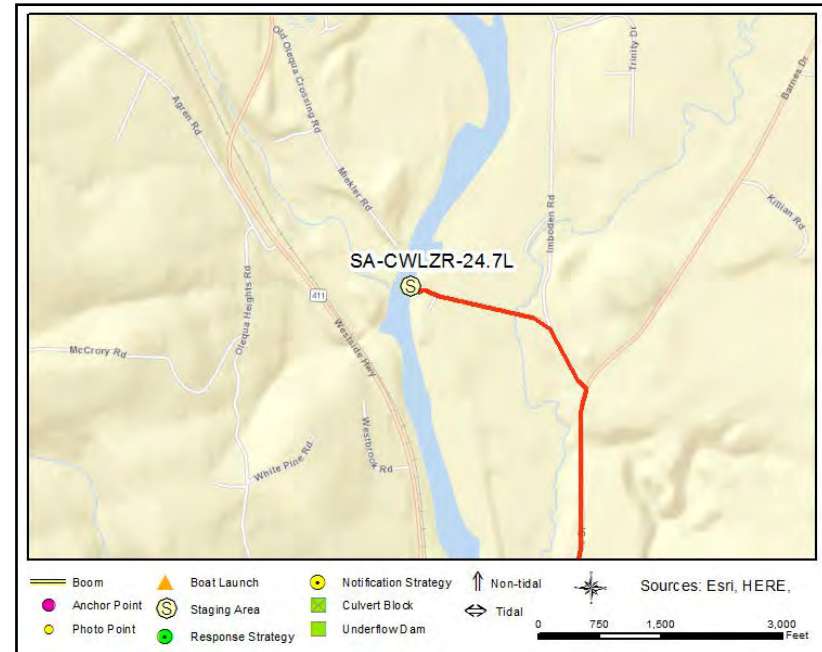
## Site Contact

### WDFW Region 5 (Southwest)

Land/Property Contact :  
2108 Grand Boulevard  
Ridgefield, WA 98642  
360-696-6211

## Nearest Address

271 Miekler Rd  
Castle Rock, WA 98611



## Driving Directions

1. Head north on I-5
2. Take the ramp on the right at exit 52 toward Barnes Drive / Toutle Park Rd
3. At the stop sign, turn left on Old Pacific Hwy N
4. Continue forward on Barnes Dr
5. Turn left on Imboden Rd
6. Bear left on Miekler Rd
7. Park at the end of the road at either the upper or lower parking area



## I-5 WDFW Water Access Area

SA-CWLZR-29.9L

### Staging Area

**Position - Location:** 46° 24.818', -122° 53.464' 46° 24' 49.1", -122° 53' 27.8" 46.41363, -122.89106 Toledo

**Comments:** Public recreation area operated by WDFW on the left bank of the Cowlitz River. Notify Region 5 before staging equipment (360-696-6211).



### GRP Response Strategies Served:

CWLZR-29.9R, CWLZR-27.3R

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	6 degrees
Cell Phone Coverage	Yes	4 Bars Verizon
Covered Spaces	No	
Estimated Lot Size	Other	30000 Square Feet
Fuel	No	
Lot Cover (Primary)	Gravel	70%
Parking - Car	Not Marked	20
Parking - Trailer	Not Marked	10
Power	No	
Restroom	Restroom - Vault	1
User Fee	Yes	Discover Pass
Waste Disposal	None	
Water (potable)	No	



SA-CWLZR-29.9L Photo: From the top of the boat ramp, looking northwest towards the Cowlitz River.

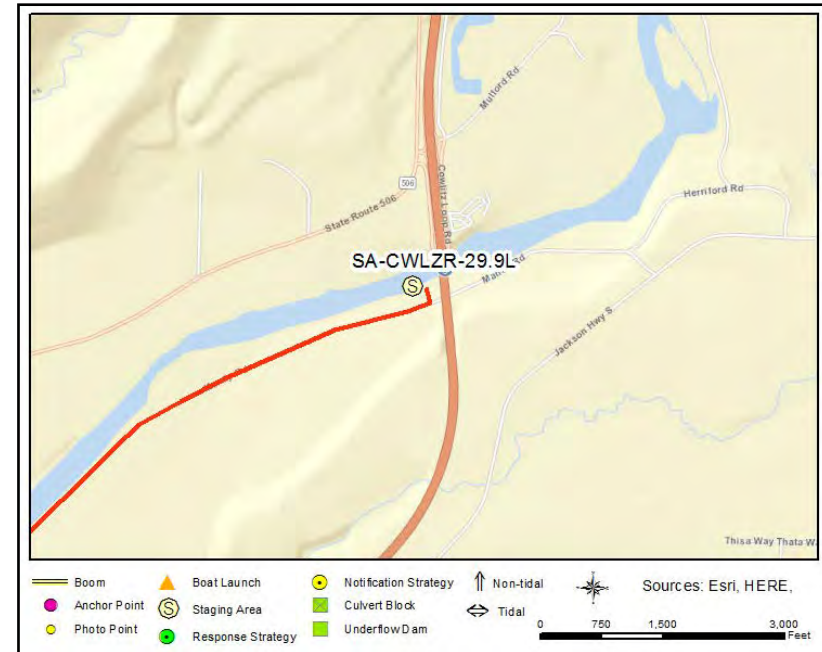
#### Site Contact

##### WDFW Region 5 (Southwest)

Land/Property Contact :  
2108 Grand Boulevard  
Ridgefield, WA 98642  
360-696-6211

#### Nearest Address

275 Mandy Rd  
Toledo, WA 98591



#### Driving Directions

1. Head north on I-5
2. Take Exit 57
3. Continue on Rogers Rd
4. Turn right on Mandy Rd
5. Location is on the left

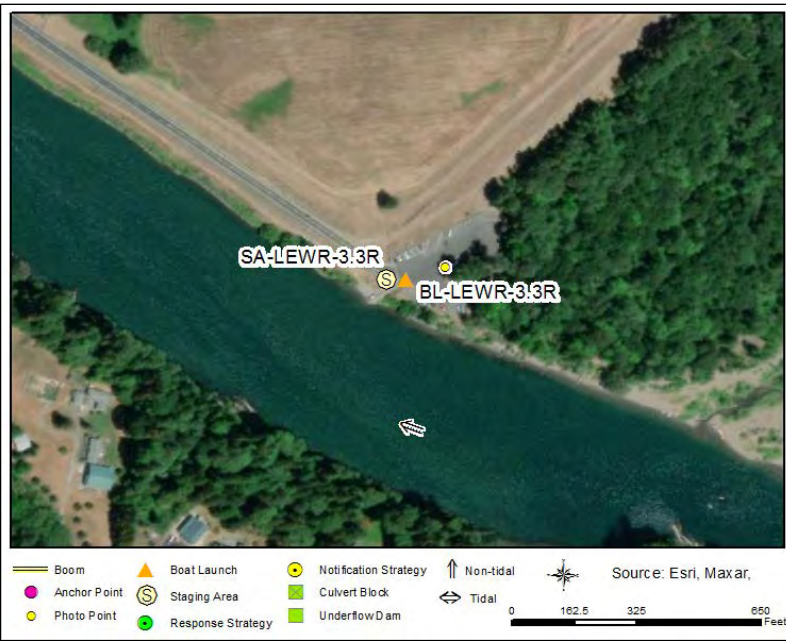
## Pekin Ferry WDFW Water Access Area

SA-LEWR-3.3R

### Staging Area

**Position - Location:** 45° 52.076', -122° 43.487' 45° 52' 4.6", -122° 43' 29.2" 45.86794, -122.72478 Woodland

**Comments:** Public recreation area operated by WDFW on the left bank of the Cowlitz River. Notify Region 5 before staging equipment (360-696-6211).



### GRP Response Strategies Served:

LEWR-3.3R

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Plank	1
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Other	50000 Square Feet
Fuel	No	
Lot Cover (Primary)	Asphalt	100%
Parking - Car	Marked	15
Parking - Trailer	Marked	20
Power	No	
Restroom	Restroom - Vault	1
User Fee	Yes	Discovery Pass
Waste Disposal	None	
Water (potable)	No	



SA-LEWR-3.3R Photo: From the center of the staging area, looking west towards the boat ramp. Lewis River in the background.

## Site Contact

### WDFW Region 5 (Southwest)

Land/Property Contact :  
360-696-6211

## Nearest Address

S Pekin Rd  
Woodland, WA 98674



## Driving Directions

1. Head north on I-5.
2. Take exit 21 for WA-503 E toward Woodland/Cougar.
3. Turn left onto WA-503 N/Lewis River Rd.
4. Continue to follow Lewis River Rd.
5. Slight left onto Goerig St.
6. Turn right onto Davidson Avenue.
7. Turn left onto 5th St.
8. Continue onto S Pekin Rd.
9. Boat launch is at the end of the road.



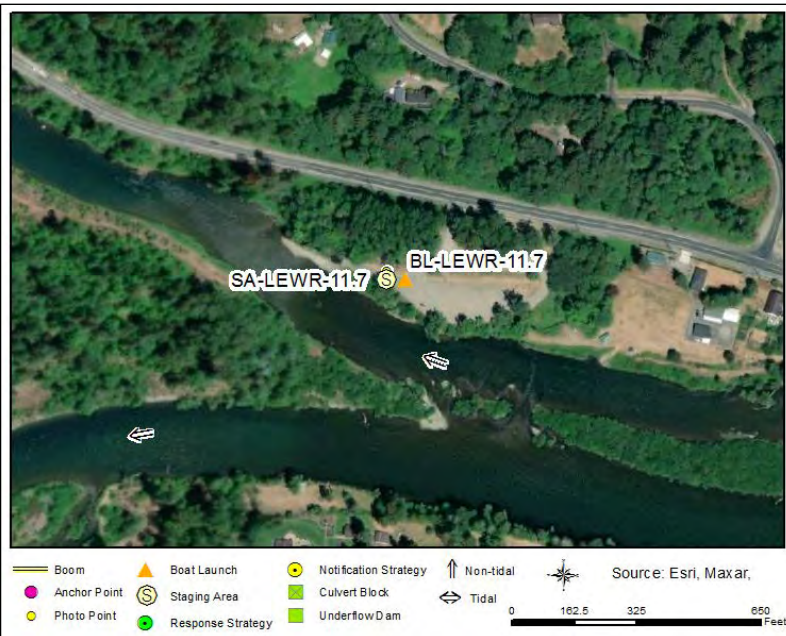
## PacifiCorp Island Ramp

SA-LEWR-11.7

### Staging Area

**Position - Location:** 45° 56.358', -122° 40.910' 45° 56' 21.5", -122° 40' 54.6" 45.93930, -122.68183 Woodland

**Comments:** Public recreation area operated by PacifiCorp (Merwin Dam operator). Notify the company before staging equipment (503-813-7039). An alternate location is next to the Lewis River Golf Course at river mile 12.5.



### GRP Response Strategies Served:

LEWR-11.7R

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Plank	1
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Gravel	50000 Square Feet
Fuel	No	
Lot Cover (Primary)	Dirt/Gravel	100%
Parking - Car	Not Marked	20
Parking - Trailer	Not Marked	10
Power	No	
Restroom	Restroom - Vault	2
User Fee	No	
Waste Disposal	None	
Water (potable)	No	



SA-LEWR-11.7 Photo: From the top of the boat ramp on river right, looking west and downriver. Photo was taken in late September.

## Site Contact

### PacifiCorp

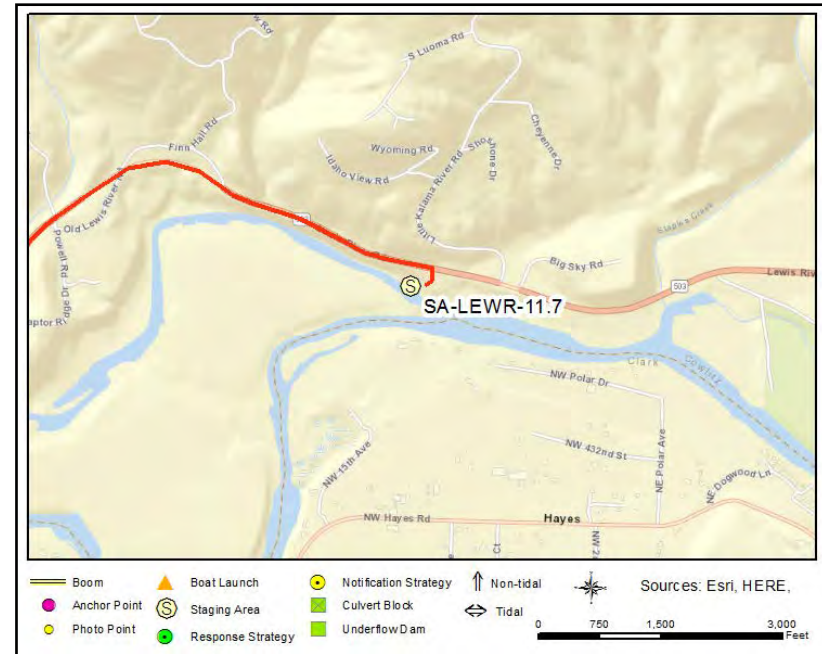
Land/Property Contact : Emergency Services Manager

WA

503-813-7039

## Nearest Address

3000 Lewis River Rd  
Woodland, WA 98674



## Driving Directions

1. Head north on I-5
2. Bear right onto the ramp at exit 21 to WA-503 E toward Woodland / Cougar
3. At the traffic light, make a sharp right on Lewis River Rd (WA-503)
4. Continue forward on Goerig St N (WA-503)
5. Continue forward on Lewis River Rd (WA-503)
6. At the roundabout, take the first exit onto Lewis River Rd (WA-503 N)
7. The staging area/boat launch is on the right

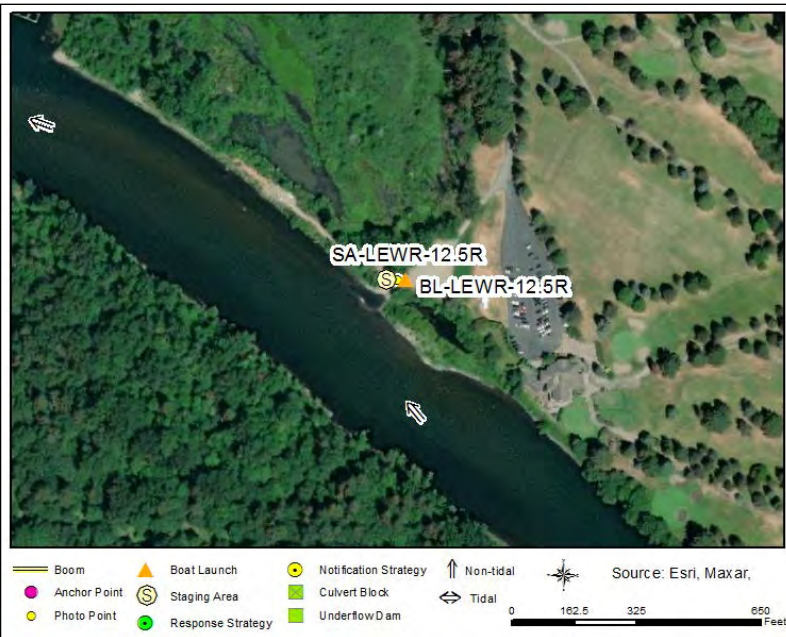
# Lewis River Golf Course

SA-LEWR-12.5R

## Staging Area

**Position - Location:** 45° 56.172', -122° 39.967' 45° 56' 10.3", -122° 39' 58.0" 45.93620, -122.66612 Woodland

**Comments:** Public recreation area on river right. Notify Cowlitz County before staging equipment (360-577-3130). An alternate location on the same side of the river is the PacificCorp Island Ramp at river mile 11.7.



## GRP Response Strategies Served:

LEWR-11.5L, LEWR-13.3L, LEWR-12.5R, LEWR-13.8L, LEWR-12.2R

## Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Gravel	1
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Other	12000 Square Feet
Fuel	No	
Lot Cover (Primary)	Dirt/Gravel	100%
Parking - Car	Not Marked	7
Parking - Trailer	Not Marked	3
Power	No	
Restroom	None	
User Fee	No	
Waste Disposal	None	
Water (potable)	No	





SA-LEWR-12.5R Photo: From the top of the boat ramp on river right, looking southwest towards the river. Photo was taken in late September.



## Site Contact

### Cowlitz County

Municipality (County/City) : Emergency Management  
360-577-3130

### Lewis River Golf Course

Land/Property Contact :  
360-225-8566

## Nearest Address

3209 Old Lewis River Rd  
Woodland, WA 98674

## Driving Directions

1. Head north on I-5
2. Bear right onto the ramp at exit 21 to WA-503 E toward Woodland / Cougar
3. At the traffic light, make a sharp right on Lewis River Rd (WA-503)
4. Continue forward on Goerig St N (WA-503)
5. Continue forward on Lewis River Rd (WA-503)
6. At the roundabout, take the first exit onto Lewis River Rd (WA-503 N)
7. Turn right off of Lewis River Rd
8. The staging area/boat launch is at the end of the road on the right



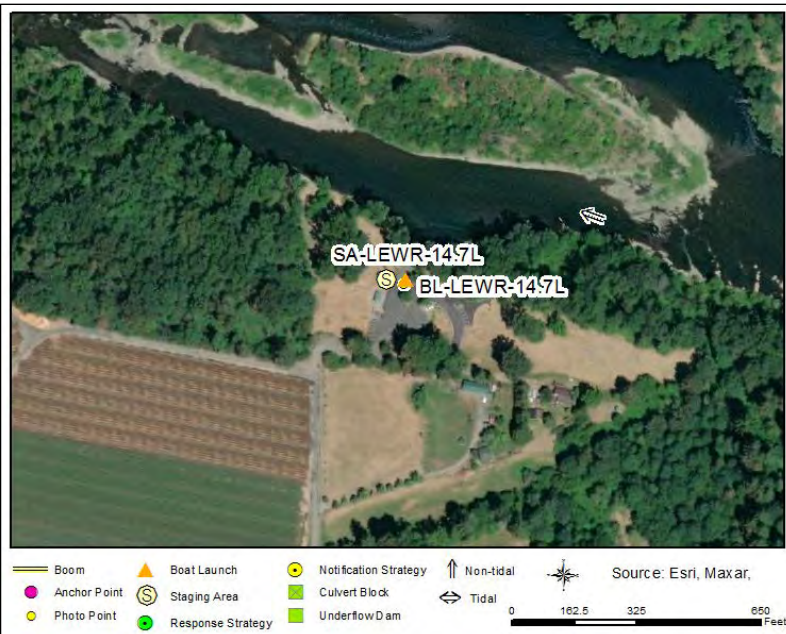
## Haapa Boat Launch

SA-LEWR-14.7L

### Staging Area

**Position - Location:** 45° 56.153', -122° 38.262' 45° 56' 9.2", -122° 38' 15.7" 45.93589, -122.63770 Woodland

**Comments:** Public recreation area by Clark County. Notify the county before staging equipment (564-397-2285). An alternate location on the same side of the river is the PacificCorp Cedar Creek site at river mile 15.5.



### GRP Response Strategies Served:

LEWR-14.7L

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	1
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	33000
Fuel	No	
Lot Cover (Primary)	Asphalt	100%
Parking - Car	Marked	35
Parking - Trailer	Marked	15
Power	No	
Restroom	Restroom - Flush	2
User Fee	No	
Waste Disposal	Trash Receptacle	
Water (potable)	Yes	Drinking Fountain

## Haapa Boat Launch

SA-LEWR-14.7L



SA-LEWR-14.7L Photo: From the top of the boat ramp on river left, looking north towards the river. Photo was taken in mid-October.

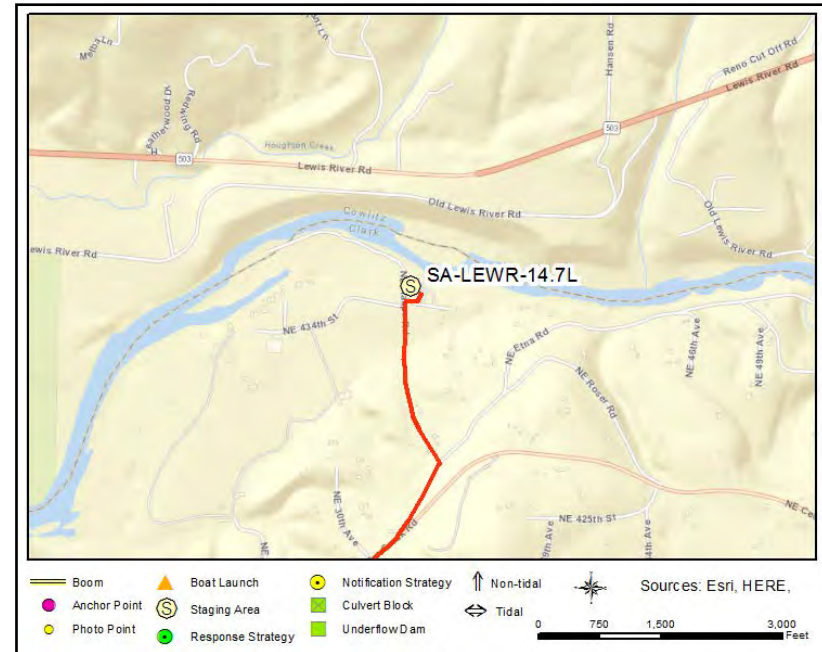
### Site Contact

#### Clark County Parks

Municipality (County/City) :  
4700 NE 78th Street  
Vancouver, WA 98665  
564-397-2285

### Nearest Address

43511 NE Haapa Rd  
Woodland, WA 98674



### Driving Directions

1. Head north on I-5
2. Take the ramp on the right at exit 21
3. Continue straight to head south on Pacific Avenue
3. Turn left onto Lewis River Rd
4. Turn right onto E CC Street
5. Roadway becomes NW Hayes Rd
6. Roadway becomes NE Cedar Creek Rd
7. Stay to left and travel on NE Etna Rd
8. Turn left onto NE Haapa Rd
9. Boat launch is at the end of the road

## PacifiCorp Cedar Creek

SA-LEWR-15.5L

### Staging Area

**Position - Location:** 45° 56.186', -122° 37.230' 45° 56' 11.1", -122° 37' 13.8" 45.93643, -122.62050 Woodland

**Comments:** Public recreation area operated by PacifiCorp (Merwin Dam operator). Notify the company before staging equipment (503-813-7039). An alternate location on the same side of the river is the Haapa Boat Launch at river mile 14.7.



### GRP Response Strategies Served:

LEWR-15.5bL, LEWR-16.1bR, LEWR-15.6L, LEWR-16.1aR, LEWR-15.5aR

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Plank	1
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	18000
Fuel	No	
Lot Cover (Primary)	Dirt/Gravel	100%
Parking - Car	Not Marked	10
Parking - Trailer	Not Marked	4
Power	No	
Restroom	None	
User Fee	No	
Waste Disposal	None	
Water (potable)	No	





SA-LEWR-15.5L Photo: From the top of the boat ramp on river left, looking west/downriver. Photo was taken in mid-October.

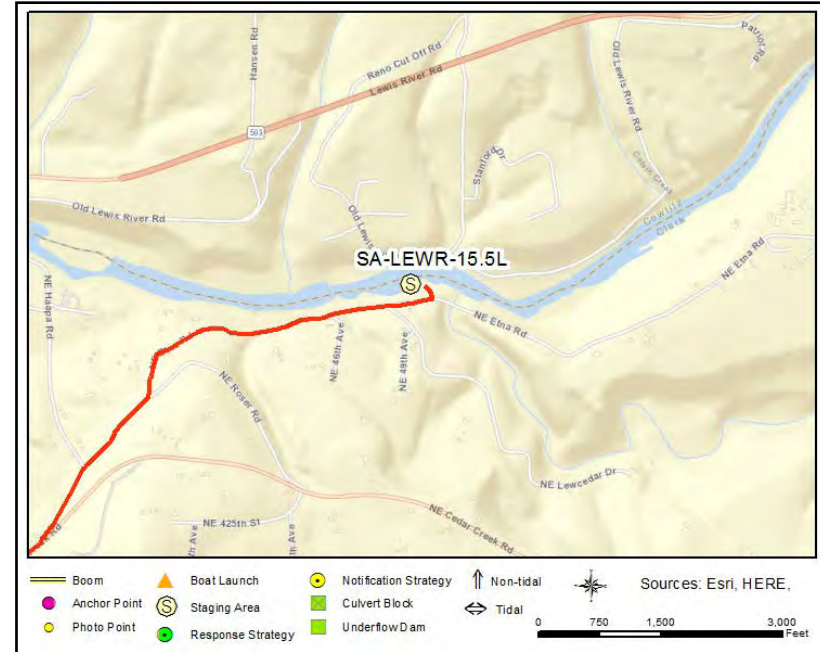
#### Site Contact

##### PacifiCorp

Land/Property Contact : Emergency Services Manager  
503-813-7039

#### Nearest Address

5000 NE Etna Rd  
Woodland, WA 98674



#### Driving Directions

1. Head north on I-5
2. Take the ramp on the right at exit 21
3. Continue straight to head south on Pacific Avenue
3. Turn left onto Lewis River Rd
4. Turn right onto E CC Street
5. Roadway becomes NW Hayes Rd
6. Roadway becomes NE Cedar Creek Rd
7. Stay to left and travel on NE Etna Rd
8. The boat launch is on left side of the road



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**APPENDIX D**

**Boat Launch 2-Pagers**

## Gerhart Gardens Park

BL-CWLZR-1.6R

### Boat Launch Location

**Position - Location:** 46° 6.679', -122° 53.737' 46° 6' 40.8", -122° 53' 44.2" 46.11132, -122.89561 Longview

**Comments:** Public recreation area operated by the City of Longview. Notify the city before staging equipment (360-442-5421).



### GRP Response Strategies Served:

LCR-66.2R, CWLZR-1.3L, CWMR-0.4L, CWLZR-1.0, CWLZR-1.6R, LCR-65.9R, CWMR-0.2R, CWMR-0.1L

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	3
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Marked	80000 Square Feet
Fuel	No	
Lot Cover (Primary)	Asphalt	100%
Parking - Car	Marked	25
Parking - Trailer	Marked	60
Power	No	
Restroom	Restroom - Flush	2
User Fee	No	
Waste Disposal	Trash Receptacle	
Water (potable)	No	



SA-CWLZR-1.6R Photo: From the top of the boat ramp on river right, looking east towards the Cowlitz River.

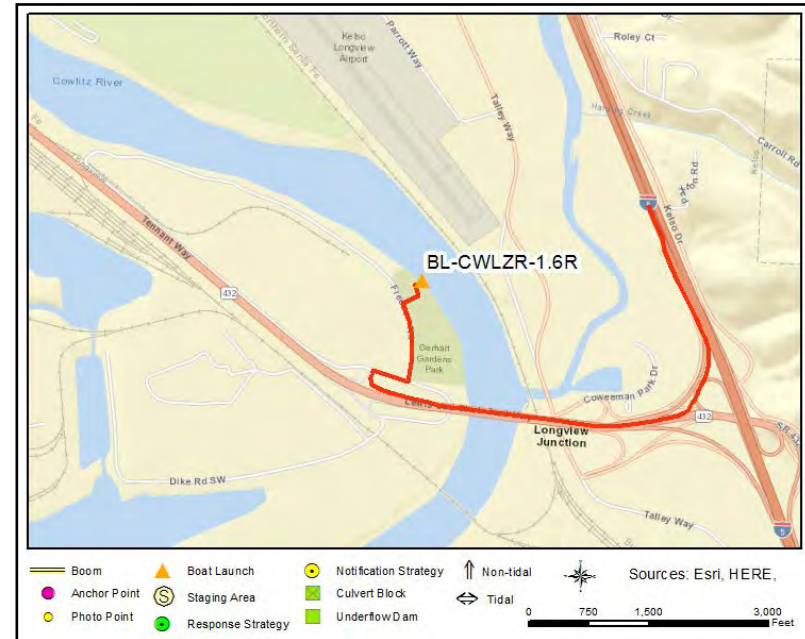
#### Site Contact

##### City of Longview

Municipality (County/City) : Parks Department  
2920 Douglas Street  
Longview, WA 98632  
360-442-5421

#### Nearest Address

40 Tennant Way  
Longview, WA 98632



#### Driving Directions

1. Head north on I-5
2. Take the ramp on the right at exit 36.
3. Continue onto WA-432 W.
4. Take the exit toward Frontage Rd.
5. Drive to Freedom Rd.
6. Turn right onto Frontage Rd.
7. Turn left onto Freedom Rd. Boat launch is on the right.



## Westside Highway in Kelso

BL-CWLZR-6.4

### Boat Launch Location

**Position - Location:** 46° 9.974', -122° 54.937' 46° 9' 58.5", -122° 54' 56.2" 46.16624, -122.91561 Kelso

**Comments:** Public recreation area on river right. Notify Cowlitz County before staging equipment (360-577-3130).



### GRP Response Strategies Served:

CWLZR-5.2R, CWLZR-5.6L, CWLZR-4.3L, CWLZR-6.4R, CWLZR-7.4L

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Gravel	1
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	4000
Fuel	No	
Lot Cover (Primary)	Dirt/Gravel	100%
Parking - Car	Not Marked	5
Parking - Trailer	Not Marked	
Power	No	
Restroom	None	
User Fee	No	
Waste Disposal	None	
Water (potable)	No	



SA-CWLZR-6.4 Photo: From road shoulder, looking northeast towards boat ramp.

## Site Contact

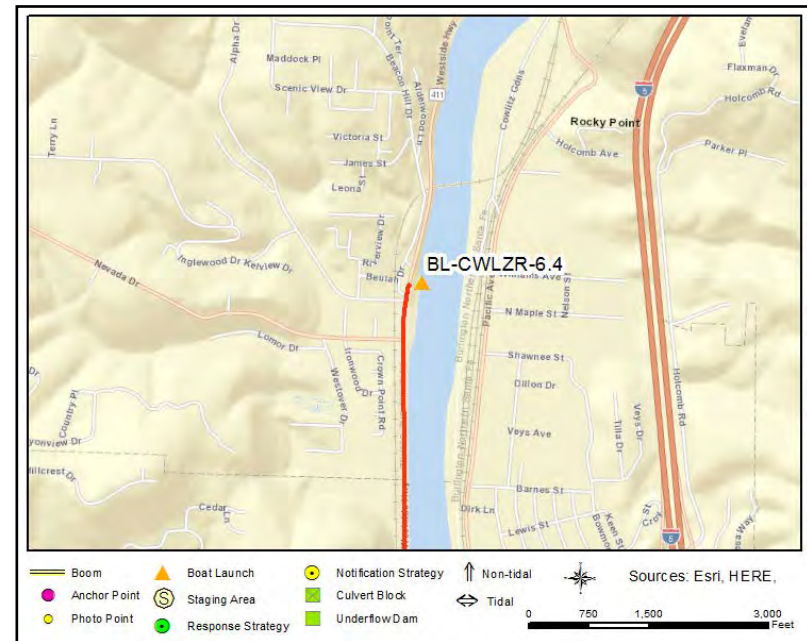
### Cowlitz County

Municipality (County/City) : Emergency Management

Kelso, WA 98626  
360-577-3130

## Nearest Address

829 Westside Hwy  
Kelso, WA 98626



## Driving Directions

1. Head north on I-5
2. Take exit 39 to WA-4 W toward Kelso
3. Turn left on WA-4
4. Continue on Allen St Bridge
5. Turn right on WA-411
6. Boat launch is on the right.

## Al Helenberg Memorial Boat Launch

BL-CWLZR-17.6

### Boat Launch Location

**Position - Location:** 46° 16.715', -122° 54.735' 46° 16' 42.9", -122° 54' 44.1" 46.27858, -122.91225 Castle Rock

**Comments:** Public recreation area operated by the City of Castle Rock. Notify the city before staging equipment (360-274-7478).



### GRP Response Strategies Served:

CWLZR-15.8R, CWLZR-17.4L, CWLZR-17.6R, TTLR-1.0L, CWLZR-15.9L

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	2
Boat Ramp(s)	Concrete, Solid	2
Cell Phone Coverage	Yes	Verizon
Covered Spaces	Yes	1 picnic shelter
Estimated Lot Size	Marked	98000 Square Feet
Fuel	No	
Lot Cover (Primary)	Asphalt	100
Parking - Car	Marked	25
Parking - Trailer	Marked	60
Power	Unknown	
Restroom	Restroom - Flush	
User Fee	Yes	\$5/day (pay station near boat ramp)
Waste Disposal	Trash Receptacle	
Water (potable)	Yes	





SA-CWLZR-17.6 Photo: From the boat dock, looking northwest toward the top of the boat ramps.

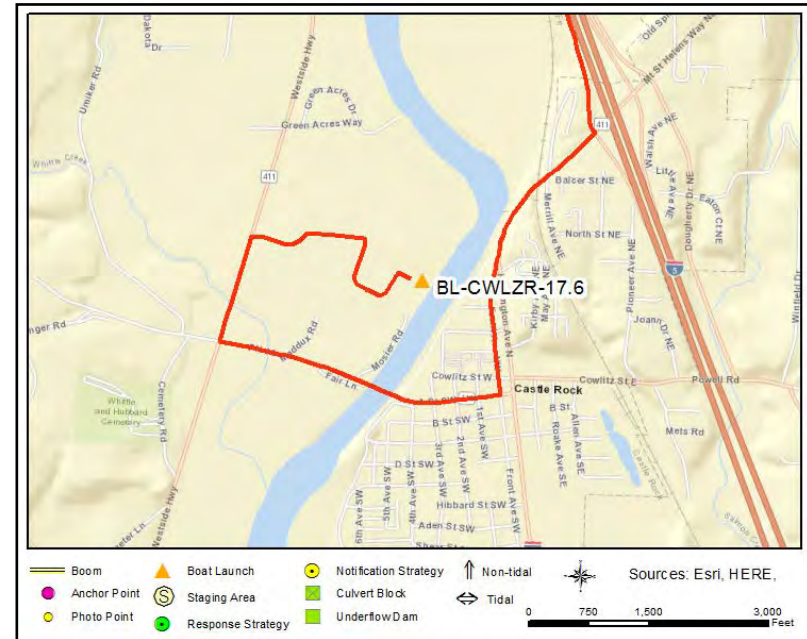
## Site Contact

### City of Castle Rock

Municipality (County/City) : Public Works  
360 "A" Street SW - P.O. Box 370  
Castle Rock, WA 98611  
360-274-7478

## Nearest Address

5040 Westside Hwy  
Castle Rock, WA 98611



## Driving Directions

1. Head north on I-5
2. Take the ramp on the right at exit 48
3. Continue on I-5BL/Huntington Ave S. Drive to Mosier Rd
4. Turn left onto I-5BL/Huntington Ave S
5. Turn left onto WA-411 N/A St
6. Turn right onto Westside Hwy
7. Turn right into sports complex. Boat launch is behind the park.



## Olequa Creek WDFW Water Access Area

BL-CWLZR-24.7L

### Boat Launch Location

**Position - Location:** 46° 22.083', -122° 56.038' 46° 22' 5.0", -122° 56' 2.3" 46.36805, -122.93397 Castle Rock

**Comments:** Public recreation area operated by WDFW on the left bank of the Cowlitz River. Notify Region 5 before staging equipment (360-696-6211).



### GRP Response Strategies Served:

CWLZR-23.6R, CWLZR-26.5, CWLZR-24.7

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	1
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Gravel	8000 Square Feet
Fuel	No	
Lot Cover (Primary)	Gravel	100%
Parking - Car	Not Marked	20
Parking - Trailer	Not Marked	4
Power	No	
Restroom	Restroom - Vault	1
User Fee	Yes	Discover Pass
Waste Disposal	None	
Water (potable)	No	



SA-CWLZR-24.7L Photo: From the top of the boat ramp, looking west towards the Cowlitz River. The mouth of the Olequa Creek is across the river.

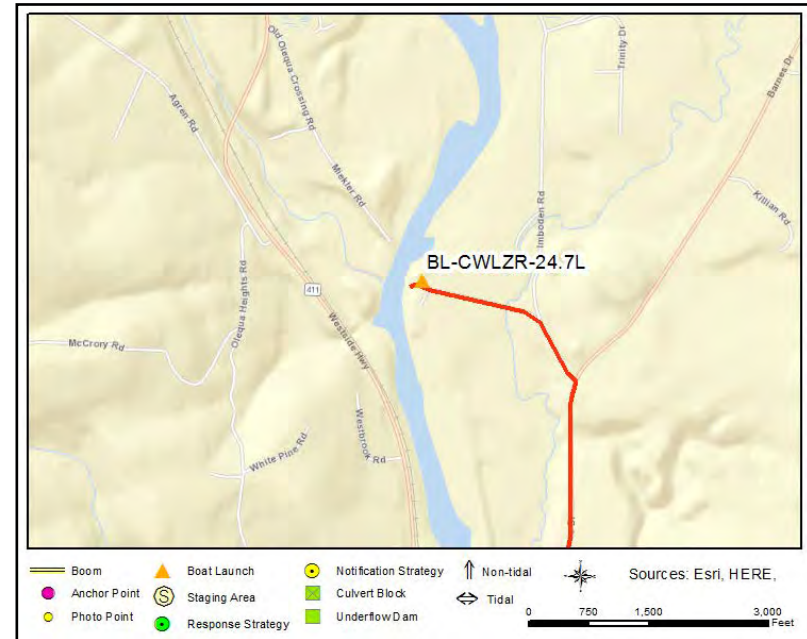
#### Site Contact

##### WDFW Region 5 (Southwest)

Land/Property Contact :  
2108 Grand Boulevard  
Ridgefield, WA 98642  
360-696-6211

#### Nearest Address

271 Miekler Rd  
Castle Rock, WA 98611



#### Driving Directions

1. Head north on I-5
2. Take the ramp on the right at exit 52 toward Barnes Drive / Toutle Park Rd
3. At the stop sign, turn left on Old Pacific Hwy N
4. Continue forward on Barnes Dr
5. Turn left on Imboden Rd
6. Bear left on Miekler Rd
7. Park at the end of the road at either the upper or lower parking area

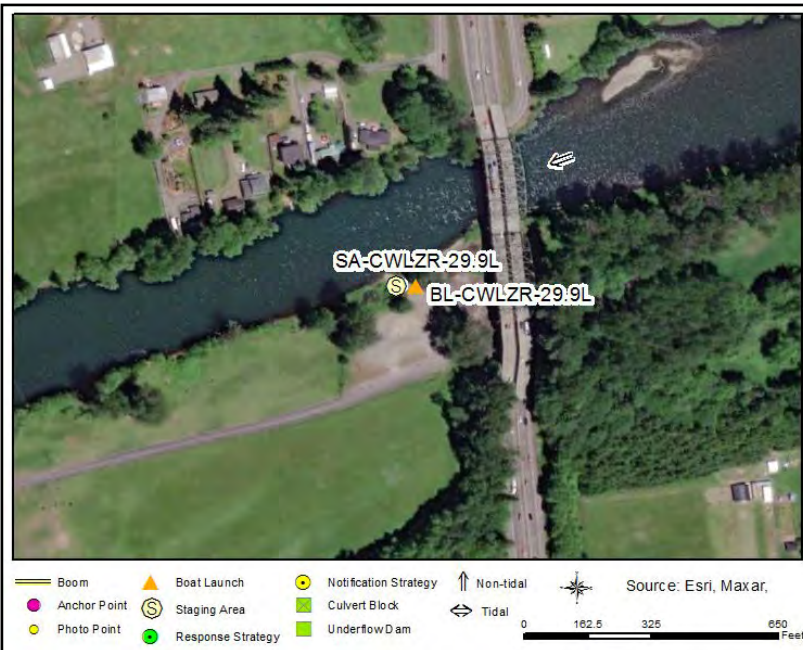
## I-5 WDFW Water Access Area

BL-CWLZR-29.9L

### Boat Launch Location

**Position - Location:** 46° 24.818', -122° 53.464' 46° 24' 49.1", -122° 53' 27.8" 46.41363, -122.89106 Toledo

**Comments:** WDFW "I-5" Water Access Site is open year round; for more information contact WDFW Region 5 at 360-696-6211 or email TeamVancouver@dfw.wa.gov.



### GRP Response Strategies Served:

CWLZR-29.9R, CWLZR-27.3R

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	6 degrees
Cell Phone Coverage	Yes	4 Bars Verizon
Covered Spaces	No	
Estimated Lot Size	Other	30000 Square Feet
Fuel	No	
Lot Cover (Primary)	Gravel	70%
Parking - Car	Not Marked	20
Parking - Trailer	Not Marked	10
Power	No	
Restroom	Restroom - Vault	1
User Fee	Yes	Discover Pass
Waste Disposal	None	
Water (potable)	No	





SA-CWLZR-29.9L Photo: From the top of the boat ramp, looking northwest towards the Cowlitz River.

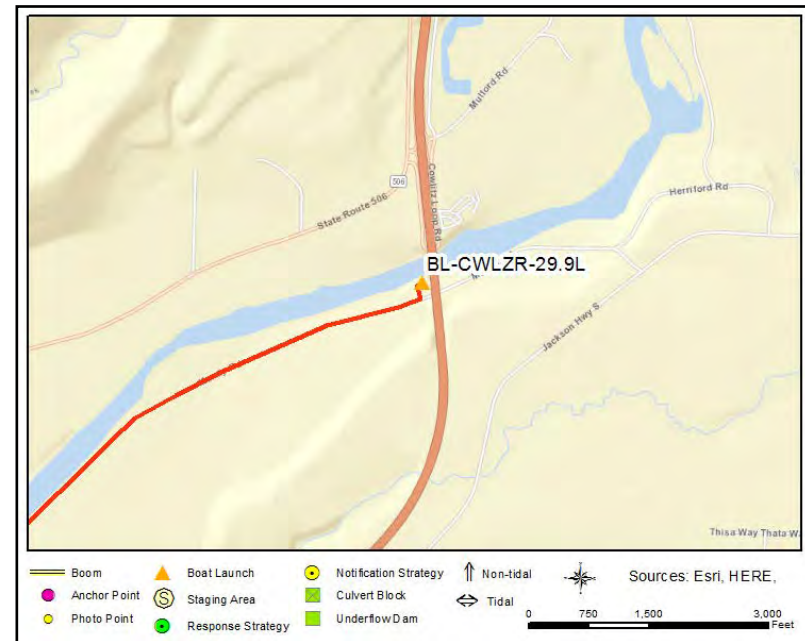
#### Site Contact

##### WDFW Region 5 (Southwest)

Land/Property Contact :  
2108 Grand Boulevard  
Ridgefield, WA 98642  
360-696-6211

#### Nearest Address

275 Mandy Rd  
Toledo, WA 98591



#### Driving Directions

1. Head north on I-5
2. Take Exit 57
3. Continue on Rogers Rd
4. Turn right on Mandy Rd
5. Location is on the left



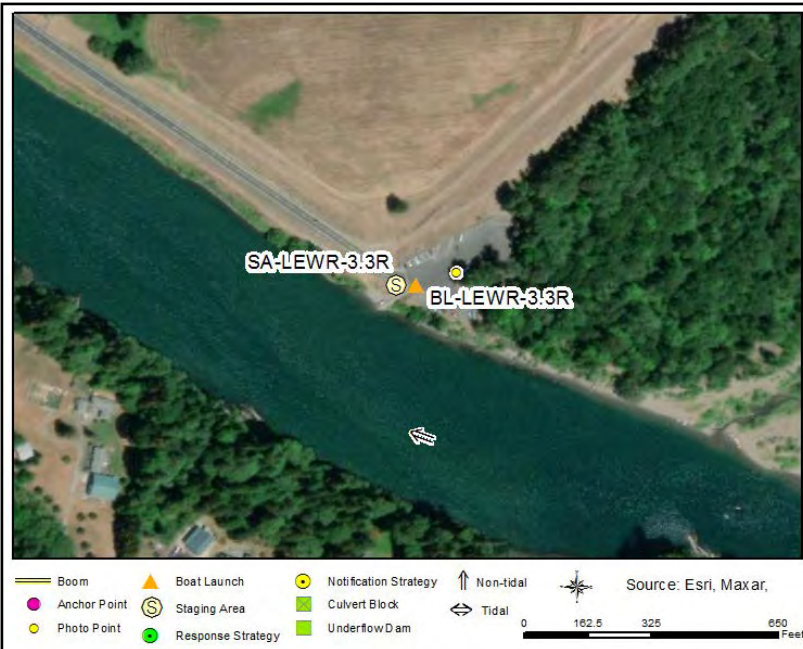
## Pekin Ferry WDFW Water Access Area

BL-LEWR-3.3R

### Boat Launch Location

**Position - Location:** 45° 52.076', -122° 43.487' 45° 52' 4.6", -122° 43' 29.2" 45.86794, -122.72478 Woodland

**Comments:** Public recreation area operated by WDFW on the left bank of the Cowlitz River. Notify Region 5 before staging equipment (360-696-6211).



### GRP Response Strategies Served:

LEWR-3.3R

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Plank	1
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Other	50000 Square Feet
Fuel	No	
Lot Cover (Primary)	Asphalt	100%
Parking - Car	Marked	15
Parking - Trailer	Marked	20
Power	No	
Restroom	Restroom - Vault	1
User Fee	Yes	Discovery Pass
Waste Disposal	None	
Water (potable)	No	



SA-LEWR-3.3R Photo: From the center of the staging area, looking west towards the boat ramp. Lewis River in the background.

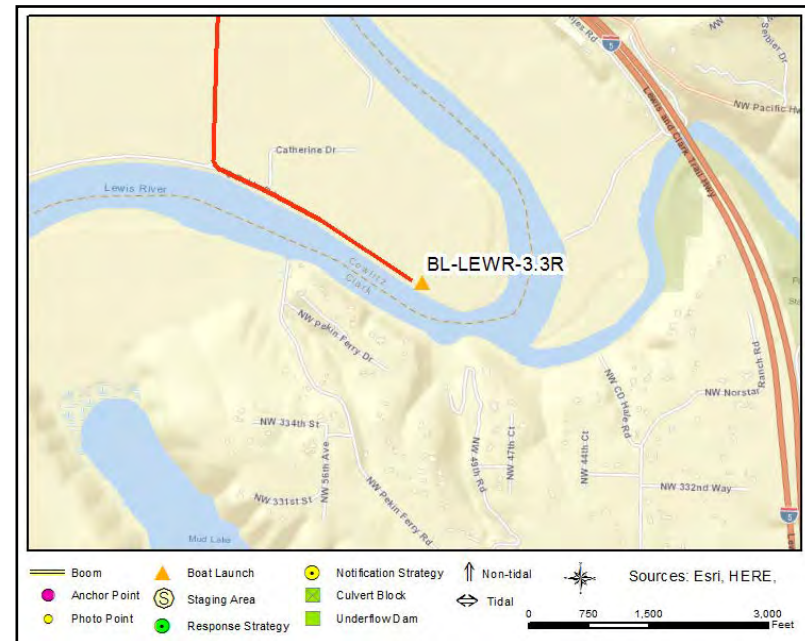
## Site Contact

### WDFW Region 5 (Southwest)

Land/Property Contact :  
360-696-6211

## Nearest Address

S Pekin Rd  
Woodland, WA 98674



## Driving Directions

1. Head north on I-5.
2. Take exit 21 for WA-503 E toward Woodland/Cougar.
3. Turn left onto WA-503 N/Lewis River Rd.
4. Continue to follow Lewis River Rd.
5. Slight left onto Goerig St.
6. Turn right onto Davidson Avenue.
7. Turn left onto 5th St.
8. Continue onto S Pekin Rd.
9. Boat launch is at the end of the road.

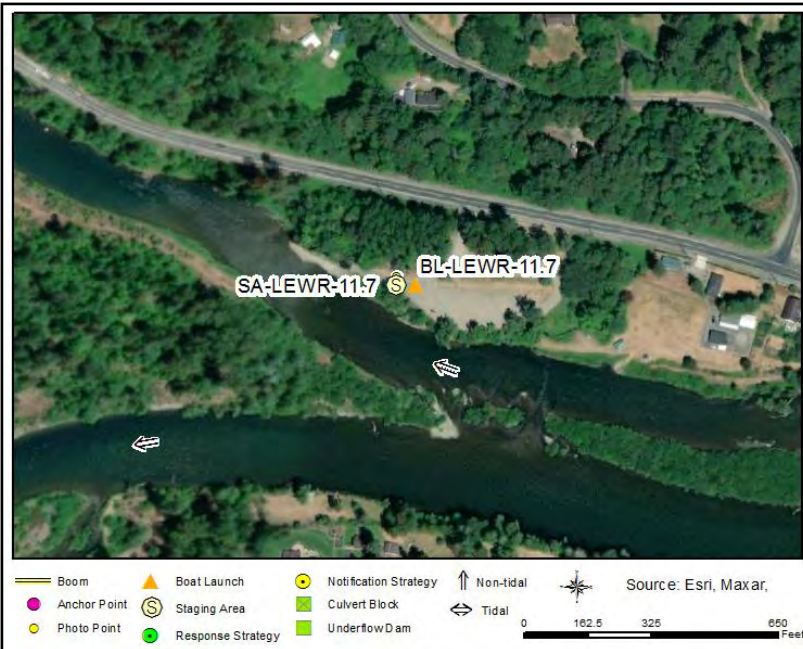
## PacifiCorp Island Ramp

BL-LEWR-11.7

### Boat Launch Location

**Position - Location:** 45° 56.358', -122° 40.910' 45° 56' 21.5", -122° 40' 54.6" 45.93930, -122.68183 Woodland

**Comments:** Public recreation area operated by PacifiCorp (Merwin Dam operator). Notify the company before staging equipment (503-813-7039). An alternate location is next to the Lewis River Golf Course at river mile 12.5.



### GRP Response Strategies Served:

LEWR-11.7R

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Plank	1
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Gravel	50000 Square Feet
Fuel	No	
Lot Cover (Primary)	Dirt/Gravel	100%
Parking - Car	Not Marked	20
Parking - Trailer	Not Marked	10
Power	No	
Restroom	Restroom - Vault	2
User Fee	No	
Waste Disposal	None	
Water (potable)	No	



SA-LEWR-11.7 Photo: From the top of the boat ramp on river right, looking west and downriver. Photo was taken in late September.

#### Site Contact

##### PacifiCorp

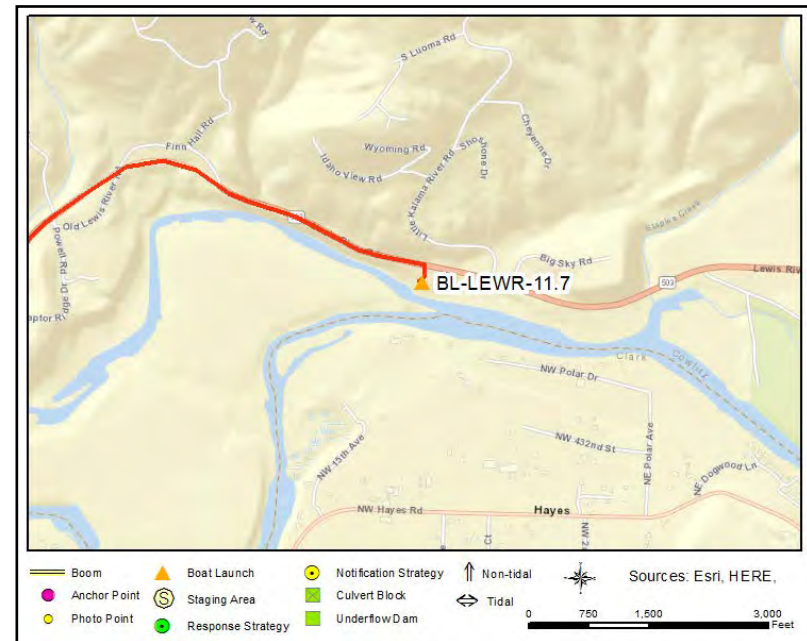
Land/Property Contact : Emergency Services Manager

WA

503-813-7039

#### Nearest Address

3000 Lewis River Rd  
Woodland, WA 98674



#### Driving Directions

1. Head north on I-5
2. Bear right onto the ramp at exit 21 to WA-503 E toward Woodland / Cougar
3. At the traffic light, make a sharp right on Lewis River Rd (WA-503)
4. Continue forward on Goerig St N (WA-503)
5. Continue forward on Lewis River Rd (WA-503)
6. At the roundabout, take the first exit onto Lewis River Rd (WA-503 N)
7. The staging area/boat launch is on the right



## Lewis River Golf Course

BL-LEWR-12.5R

### Boat Launch Location

**Position - Location:** 45° 56.172', -122° 39.967' 45° 56' 10.3", -122° 39' 58.0" 45.93620, -122.66612 Woodland

**Comments:** Public recreation area on river right. Notify Cowlitz County before staging equipment (360-577-3130). An alternate location on the same side of the river is the PacifiCorp Island Ramp at river mile 11.7.



### GRP Response Strategies Served:

LEWR-11.5L, LEWR-13.3L, LEWR-12.5R, LEWR-13.8L, LEWR-12.2R

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Gravel	1
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Other	12000 Square Feet
Fuel	No	
Lot Cover (Primary)	Dirt/Gravel	100%
Parking - Car	Not Marked	7
Parking - Trailer	Not Marked	3
Power	No	
Restroom	None	
User Fee	No	
Waste Disposal	None	
Water (potable)	No	



SA-LEWR-12.5R Photo: From the top of the boat ramp on river right, looking southwest towards the river. Photo was taken in late September.

## Site Contact

### Cowlitz County

Municipality (County/City) : Emergency Management  
360-577-3130

### Lewis River Golf Course

Land/Property Contact :  
360-225-8566

## Nearest Address

3209 Old Lewis River Rd  
Woodland, WA 98674



## Driving Directions

1. Head north on I-5
2. Bear right onto the ramp at exit 21 to WA-503 E toward Woodland / Cougar
3. At the traffic light, make a sharp right on Lewis River Rd (WA-503)
4. Continue forward on Goerig St N (WA-503)
5. Continue forward on Lewis River Rd (WA-503)
6. At the roundabout, take the first exit onto Lewis River Rd (WA-503 N)
7. Turn right off of Lewis River Rd
8. The staging area/boat launch is at the end of the road on the right

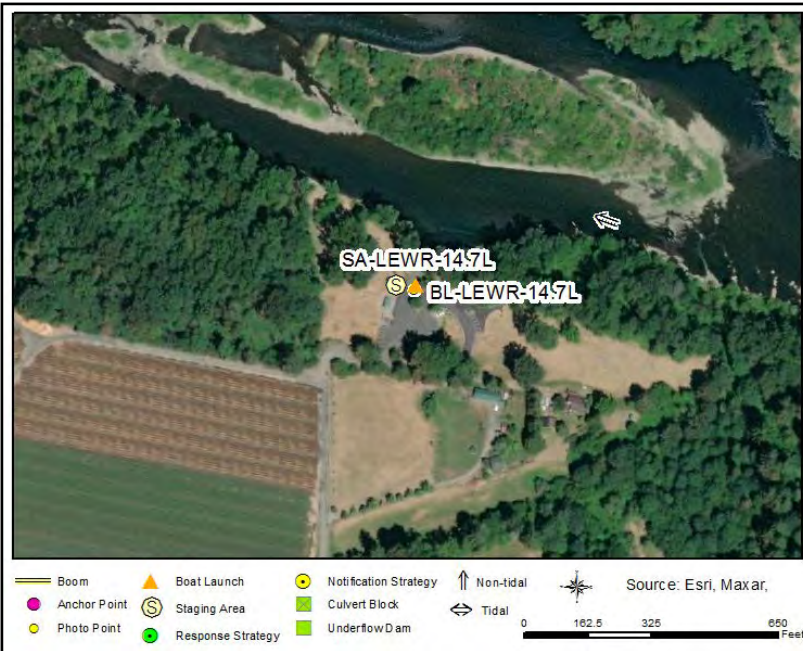
# Haapa Boat Launch

BL-LEWR-14.7L

## Boat Launch Location

**Position - Location:** 45° 56.153', -122° 38.262' 45° 56' 9.2", -122° 38' 15.7" 45.93589, -122.63770 Woodland

**Comments:** Public recreation area by Clark County. Notify the county before staging equipment (564-397-2285). An alternate location on the same side of the river is the PacifiCorp Cedar Creek site at river mile 15.5.



## GRP Response Strategies Served:

LEWR-14.7L

## Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	1
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	33000
Fuel	No	
Lot Cover (Primary)	Asphalt	100%
Parking - Car	Marked	35
Parking - Trailer	Marked	15
Power	No	
Restroom	Restroom - Flush	2
User Fee	No	
Waste Disposal	Trash Receptacle	
Water (potable)	Yes	Drinking Fountain



## Haapa Boat Launch

BL-LEWR-14.7L



SA-LEWR-14.7L Photo: From the top of the boat ramp on river left, looking north towards the river. Photo was taken in mid-October.

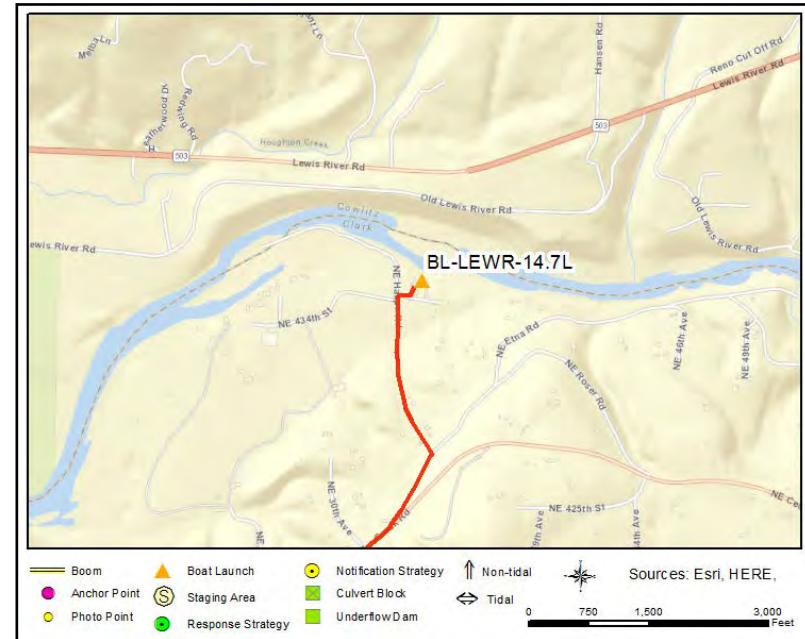
### Site Contact

#### Clark County Parks

Municipality (County/City) :  
4700 NE 78th Street  
Vancouver, WA 98665  
564-397-2285

### Nearest Address

43511 NE Haapa Rd  
Woodland, WA 98674



### Driving Directions

1. Head north on I-5
2. Take the ramp on the right at exit 21
3. Continue straight to head south on Pacific Avenue
3. Turn left onto Lewis River Rd
4. Turn right onto E CC Street
5. Roadway becomes NW Hayes Rd
6. Roadway becomes NE Cedar Creek Rd
7. Stay to left and travel on NE Etna Rd
8. Turn left onto NE Haapa Rd
9. Boat launch is at the end of the road



## PacifiCorp Cedar Creek

BL-LEWR-15.5L

### Boat Launch Location

**Position - Location:** 45° 56.186', -122° 37.230' 45° 56' 11.1", -122° 37' 13.8" 45.93643, -122.62050 Woodland

**Comments:** Public recreation area operated by PacifiCorp (Merwin Dam operator). Notify the company before staging equipment (503-813-7039). An alternate location on the same side of the river is the Haapa Boat Launch at river mile 14.7.



### GRP Response Strategies Served:

LEWR-15.5bL, LEWR-16.1bR, LEWR-15.6L, LEWR-16.1aR, LEWR-15.5aR

### Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Plank	1
Cell Phone Coverage	Yes	Verizon
Covered Spaces	No	
Estimated Lot Size	Square Feet	18000
Fuel	No	
Lot Cover (Primary)	Dirt/Gravel	100%
Parking - Car	Not Marked	10
Parking - Trailer	Not Marked	4
Power	No	
Restroom	None	
User Fee	No	
Waste Disposal	None	
Water (potable)	No	



SA-LEWR-15.5L Photo: From the top of the boat ramp on river left, looking west/downriver. Photo was taken in mid-October.

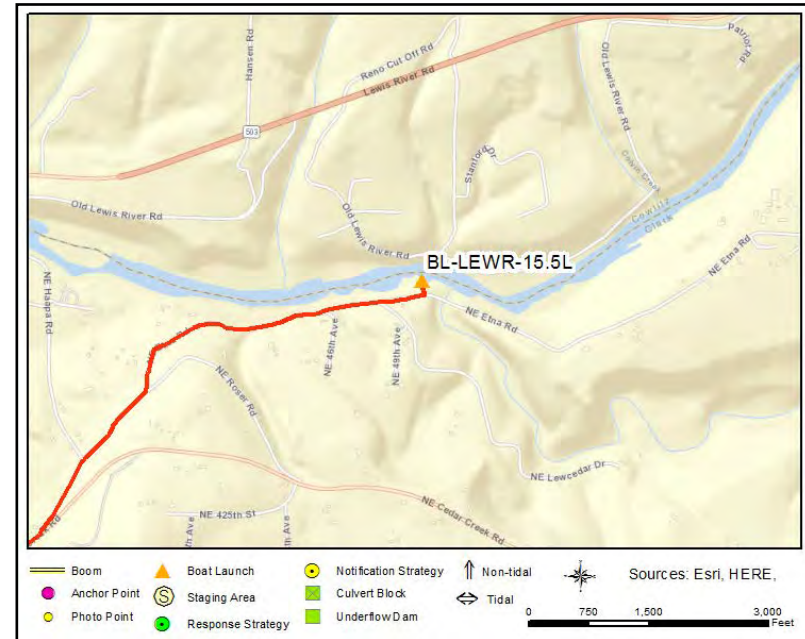
#### Site Contact

##### PacifiCorp

Land/Property Contact : Emergency Services Manager  
503-813-7039

#### Nearest Address

5000 NE Etna Rd  
Woodland, WA 98674



#### Driving Directions

1. Head north on I-5
2. Take the ramp on the right at exit 21
3. Continue straight to head south on Pacific Avenue
3. Turn left onto Lewis River Rd
4. Turn right onto E CC Street
5. Roadway becomes NW Hayes Rd
6. Roadway becomes NE Cedar Creek Rd
7. Stay to left and travel on NE Etna Rd
8. The boat launch is on left side of the road