

GREEN RIVER/DUWAMISH

Geographic Response Plan

(GRD-GRP)

Response Strategies and Priorities

April 2025

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 <https://www.rrt10nwac.com/LinkPage?site=nwac&page=plans>

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.

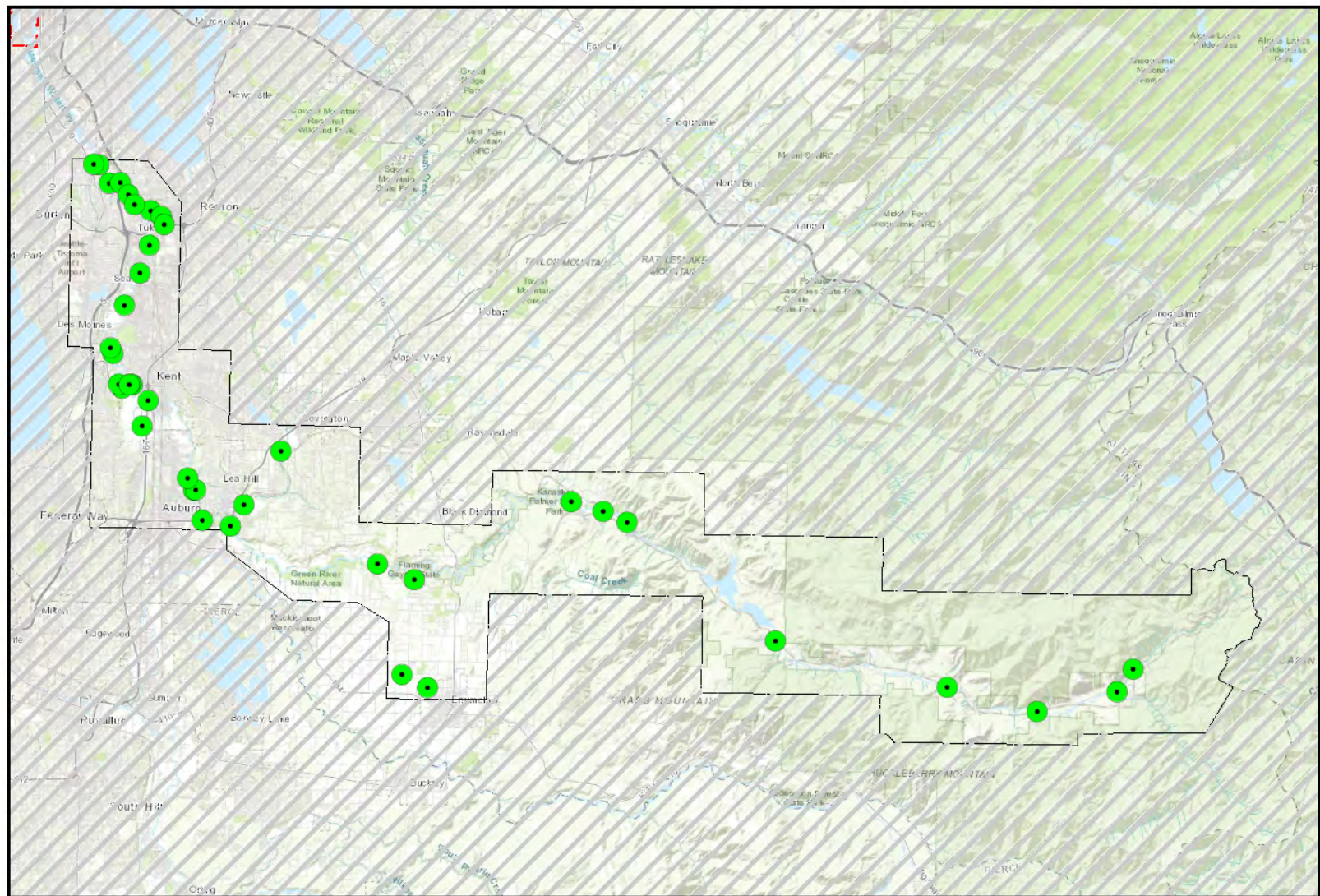
On-site Considerations

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

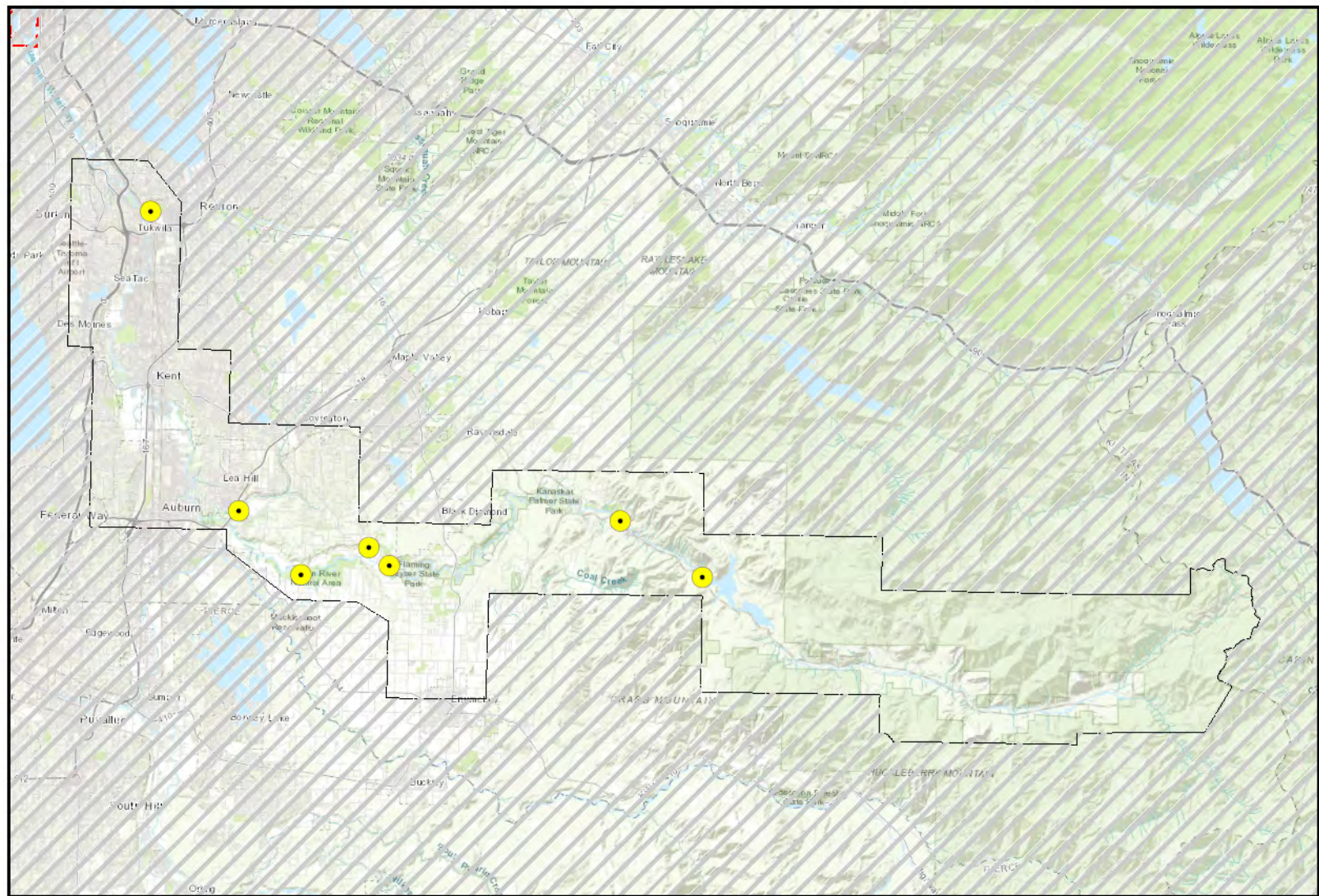
The following maps provide a geographic overview of the Green River/Duwamish GRP planning area. Sector maps provide more detail on the location of response strategies, notification strategies, staging areas, boat launch locations, and POSOPs. Detailed information for each location can be found in the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



● Response Strategy Locations

0 1.25 2.5 5
Miles

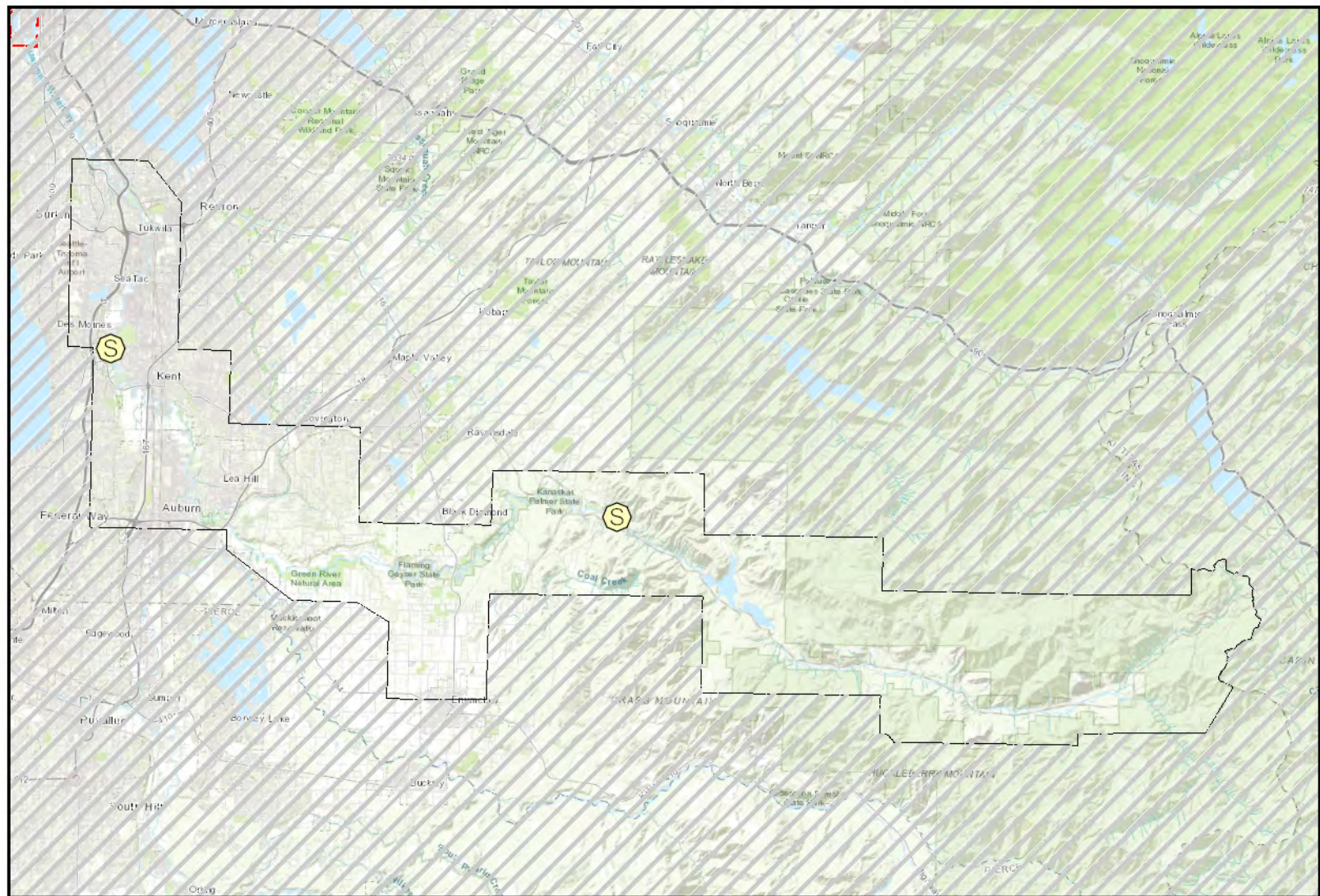
World Topographic Map: Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS



● Notification Strategy Locations

0 1.25 2.5 5
Miles

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

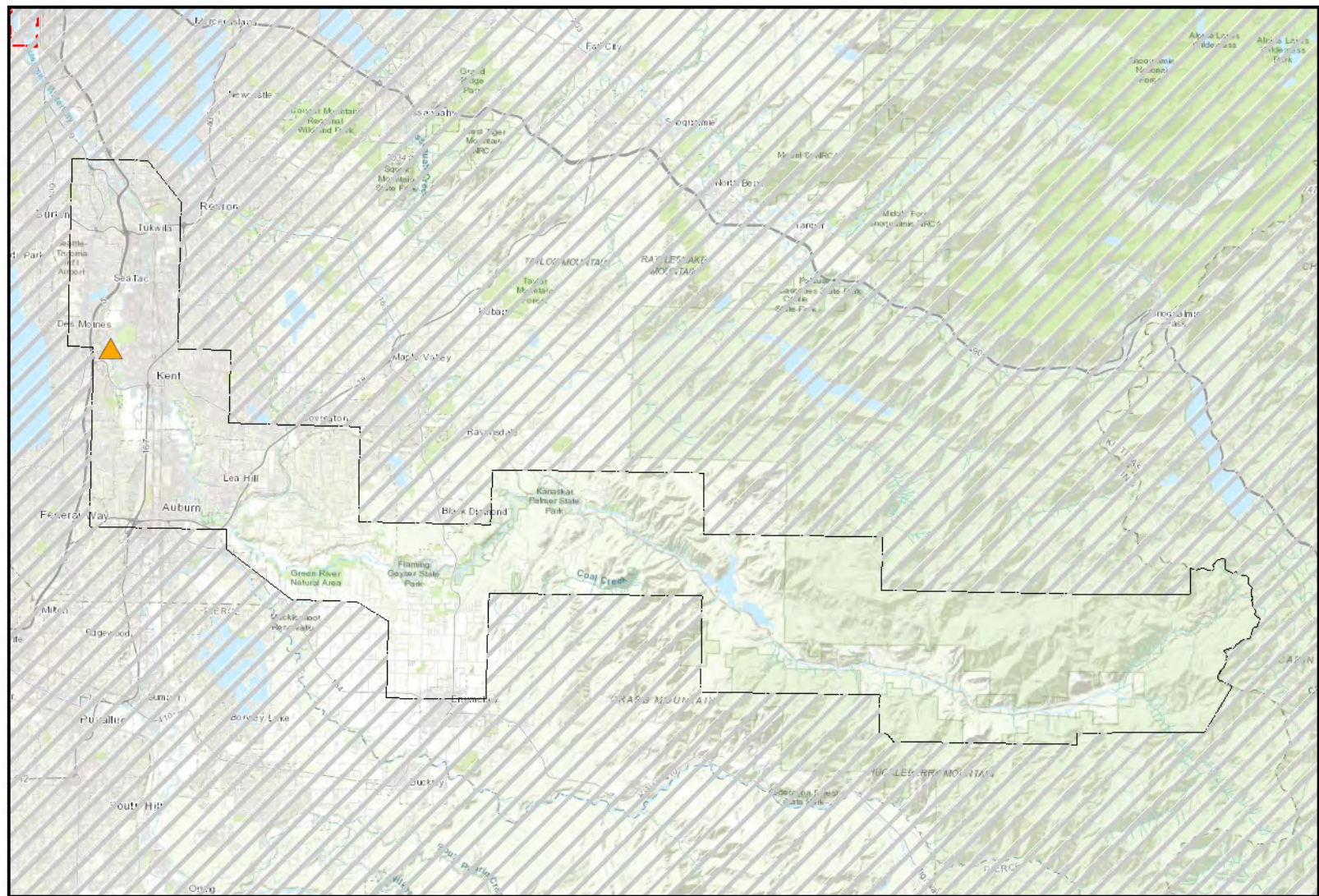


 Staging Area Locations

0 1.25 2.5 5
Miles

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



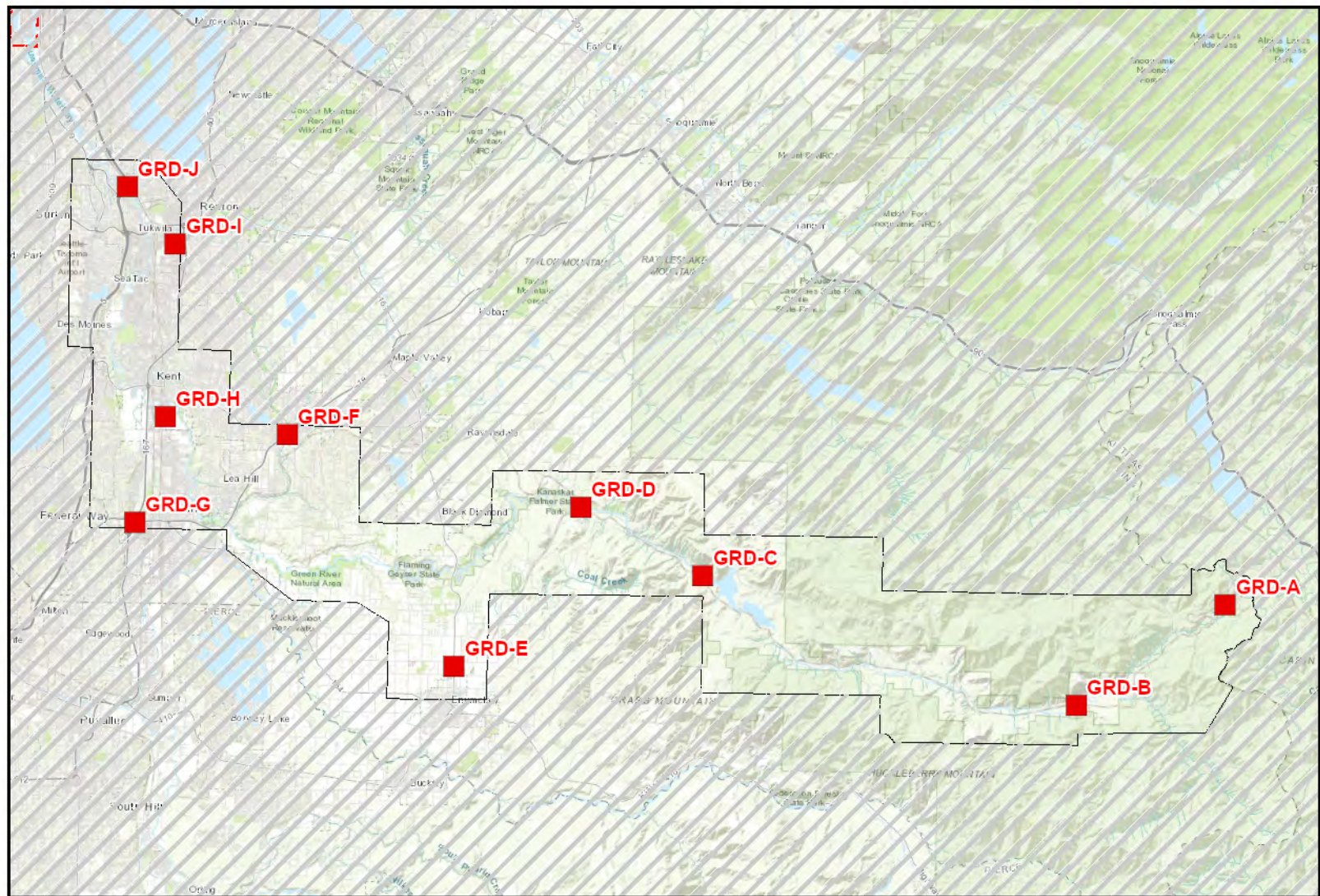


▲ Boat Launch Locations

0 1.25 2.5 5
Miles



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



■ Potential Oil Spill Locations

0 1.25 2.5 5
Miles

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

STRATEGY AND RESPONSE PRIORITIES

Strategy Priorities based on Potential Oil Spill Origin Points

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

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

The following tables provide the strategy implementation order for Potential Oil Spill Origin Points in this GRP: points GRD-A through GRD-I. 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,, deployment time, proximity to the spill source, trustee input, the relative priority of the resources at risk, and other considerations.

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

Table 1: GRP-A Priority Table

GRP-A Sunday Creek at Stampede Pass Tunnel					
Sunday Creek at ~ RM 6.2, enters Green River at ~ RM 85					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	GRD-68.4	GRD-6	500	107	
2	GRD-76.5	GRD-7	400	109	
3	GRD-80.9	GRD-7	400	111	
4	SUNC-0.1	GRD-8	300	123	
5	SUNC-1.2	GRD-8	300	125	

Total Boom: 1,900 feet

Table 2: GRP-B Priority Table

GRD-B East Lester Rail Bridge Green River at ~ RM 82					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	GRD-68.4	GRD-6	500	107	
2	GRD-76.5	GRD-7	400	109	
3	GRD-80.9	GRD-7	400	111	

Total Boom: 1,300 feet

Table 3: GRP-C Priority Table

GRD-C Howard Hanson Dam Green River at ~ RM 64.6					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	GRD-57.0	GRD-5	400	101	
2	GRD-59.1	GRD-5	300	103	
3	GRD-60.2	GRD-5	500	105	
4	GRD-44.3	GRD-4	500	99	
5	GRD-41.5	GRD-4	500	97	

Total Boom: 2,200 feet

Table 4: GRP-D Priority Table

GRD-D Kanaskat-Palmer Rail Bridge Green River at ~ RM 57.9					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	GRD-44.3	GRD-4	500	99	
2	GRD-41.5	GRD-4	500	97	
3	GRD-57.0	GRD-5	400	101	

Total Boom: 1,400 feet

Table 5: GRP-E Priority Table

GRD-E Newaukum Creek Newaukum Creek at ~ RM 9.4, enters Green River at ~ RM 40.7					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	NWKC-6.4	GRD-4	100	115	
2	NWKC-7.9	GRD-4	100	117	
3	GRC-33.8	GRD-3	900	95	

Total Boom: 1,100 feet

Table 6: GRP-F Priority Table

GRD-F Big Soos Creek					
Big Soos Creek at ~ RM 6, enters Green River at ~ RM 33.7					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	GRD-30.5	GRD-2	400	89	
2	GRD-30.6	GRD-2	500	91	
3	GRD-32.2	GRD-2	400	93	
4	BSOO-1.3	GRD-3	100	49	
5	BSOO-5.3	GRD-3	100	51	

Total Boom: 1,500 feet

Table 7: GRP-G Priority Table

GRD-G Mill Creek at WA-167					
Mill Creek at ~ RM 6m enters Green River at ~ RM 21.7					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	GRD-21.0	GRD-2	300	75	
2	GRD-21.7	GRD-2	300	77	
3	GRD-21.8	GRD-2	100	79	
4	GRD-22.0	GRD-2	100	81	
5	GRD-22.2	GRD-2	100	83	
6	MILL-1.6	GRD-2	100	113	

Total Boom: 1,000 feet

Table 8: GRP-H Priority Table

GRD-H Green River at East Valley Highway Bridge Green River at ~ RM 25.5					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	GRD-15.0	GRD-1	400	67	
2	GRD-17.1	GRD-1	300	69	
3	GRD-19.2	GRD-2	300	71	
4	GRD-19.4	GRD-2	400	73	
5	GRD-21.0	GRD-2	300	75	
6	GRD-21.7	GRD-2	300	77	
7	GRD-21.8	GRD-2	100	79	
8	GRD-22.0	GRD-2	100	81	
9	GRD-22.2	GRD-2	100	83	

Total Boom: 2,300 feet

Table 9: GRP-I Priority Table

GRD-I Springbrook Creek at Olympic Pipeline & Phillips 66 Terminals Springbrook Creek at ~ RM 1.7, enters Black River ~ RM 1.4, enters Green River at ~ RM 11					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	BLAKR-0.4	GRD-1	300	47	
2	SPBC-1.4	GRD-1	100	121	
3	SPBC-1.1	GRD-1	200	119	
4	GRD-6.8	GRD-1	600	53	
5	GRD-8.5	GRD-1	100	59	
6	GRD-6.9	GRD-1	400	55	
7	GRD-8.0	GRD-1	400	57	
8	GRD-9.6	GRD-1	500	61	
9	GRD-10.4	GRD-1	300	63	

Total Boom: 2,900 feet

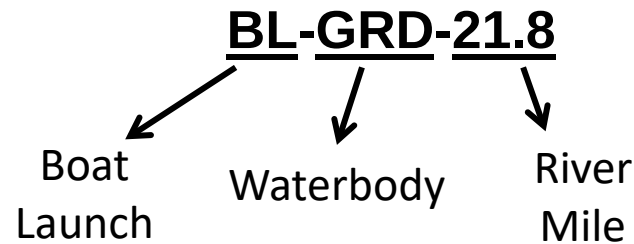
Table 10: GRP-J Priority Table

GRD-J Interstate-5 Bridge over Green River Green River at ~ RM 8.9					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	DEW-1.3	CPS-3	600	2-pager link	Central Puget Sound GRP
2	DWW-0.8	CPS-3	1,100	2-pager link	Central Puget Sound GRP
3	DWW-1.1	CPS-3	800	2-pager link	Central Puget Sound GRP
4	GRD-1.1	CPS-4	1,600	2-pager link	Central Puget Sound GRP
5	GRD-1.5	CPS-4	600	2-pager link	Central Puget Sound GRP
6	GRD-0.6	CPS-3	400	2-pager link	Central Puget Sound GRP
7	GRD-1.0	CPS-4	200	2-pager link	Central Puget Sound GRP
8	GRD-2.0	CPS-4	900	2-pager link	Central Puget Sound GRP
9	GRD-4.9	CPS-4	400	2-pager link	Central Puget Sound GRP
10	GRD-6.8	GRD-1	600	53	
11	GRD-6.9	GRD-1	400	55	
12	GRD-8.0	GRD-1	400	57	
13	GRD-8.5	GRD-1	100	59	

Total Boom: 8,100 feet

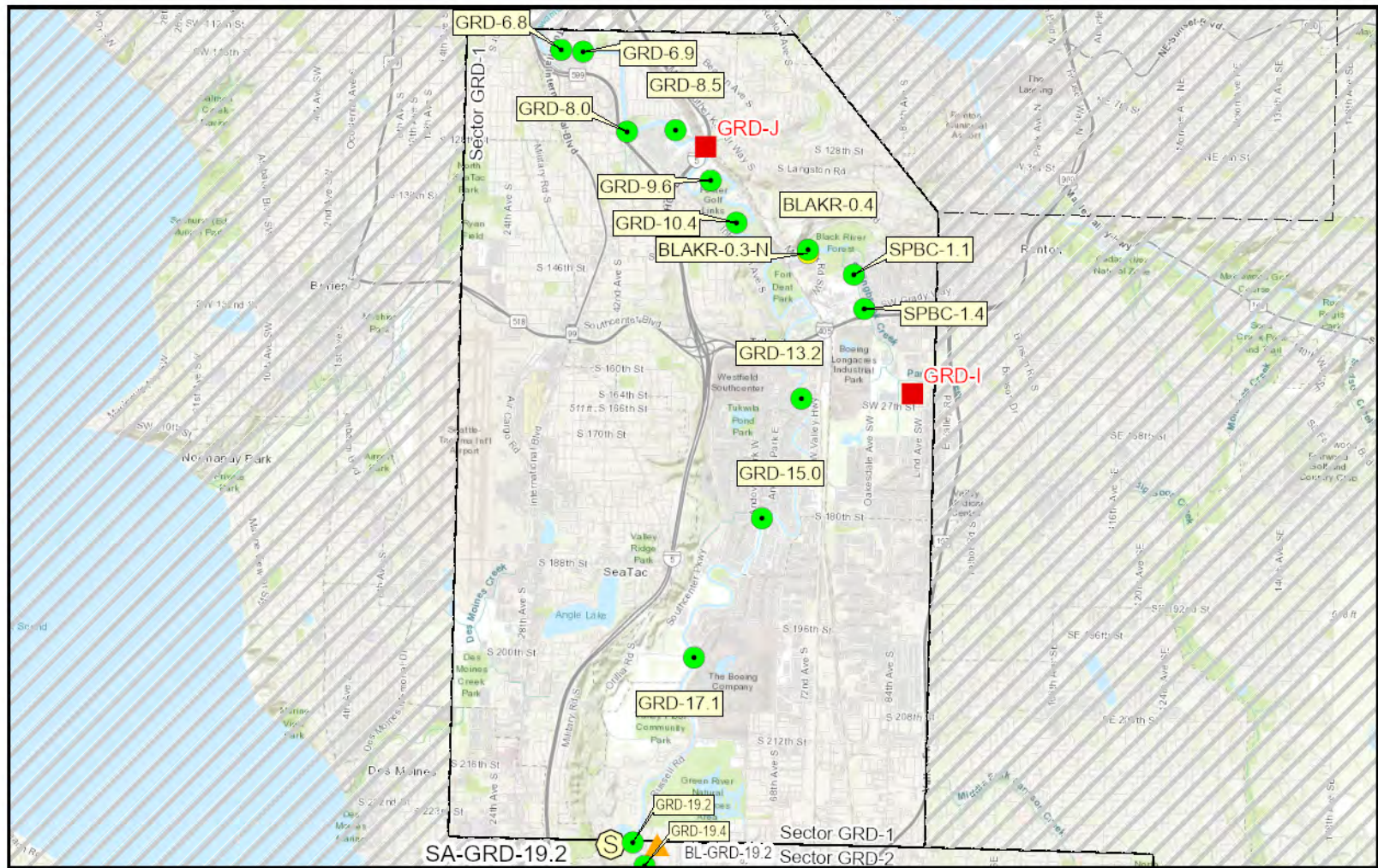
MATRICES NAMING CONVENTIONS (SHORT NAMES)

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. 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:

BLAKR=Black River	SA = Staging Area
BSOO=Big Soos Creek	BL = Boat Launch
GRD=Green River/Duwamish	N = Notification Strategy
MILL=Mill Creek	
NWKC=Newaukum Creek	
SPBC=Springbrook Creek	
SUNC=Sunday Creek	

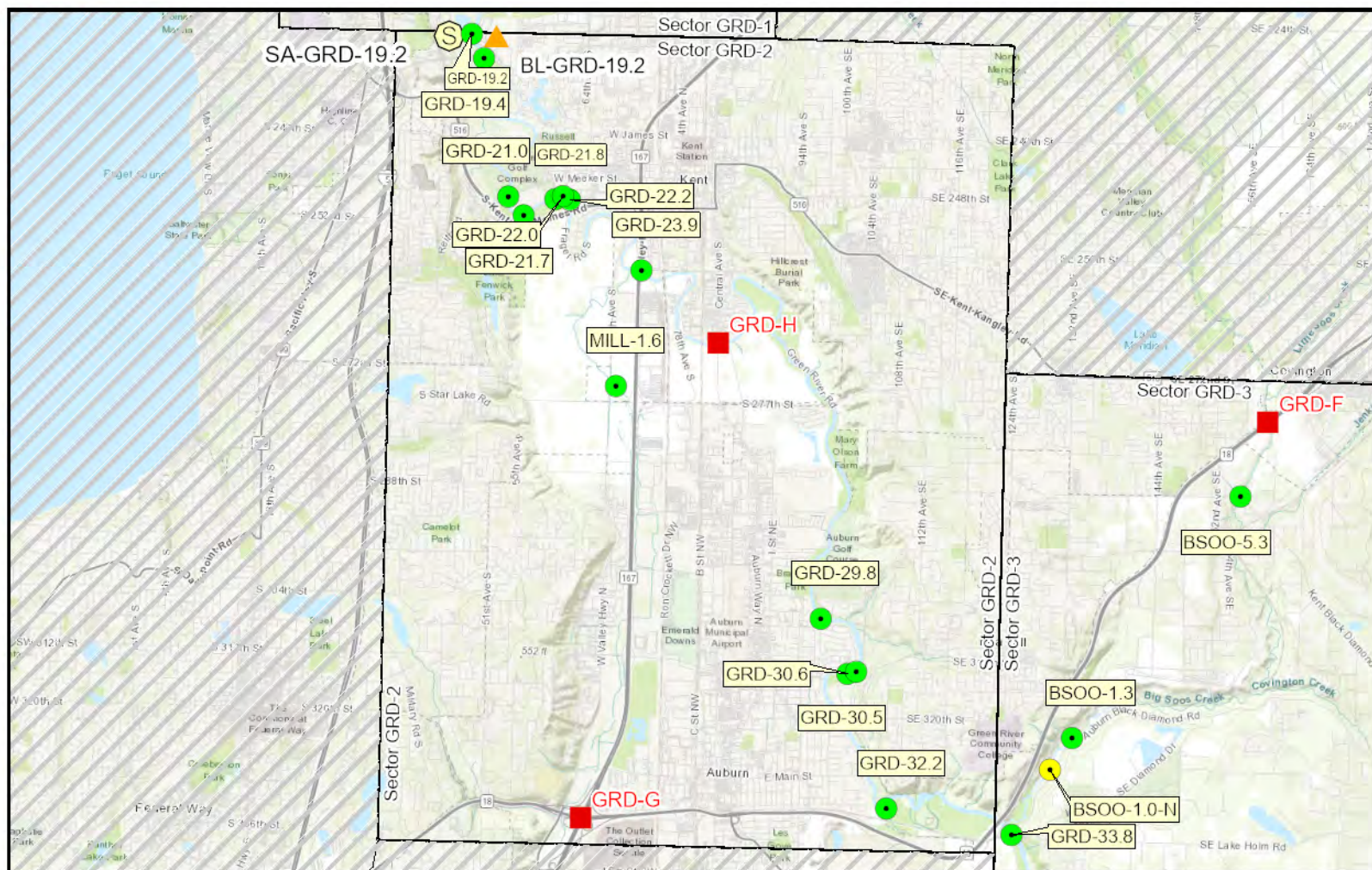


- Response Strategy Locations ▲ Boat Launch Locations
- Notification Strategy Locations ■ Potential Oil Spill Points
- S Staging Area Locations

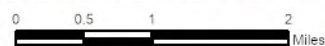
Sector GRD-1

World Topographic Map: City of Renton, Bureau of Land Management, Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

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



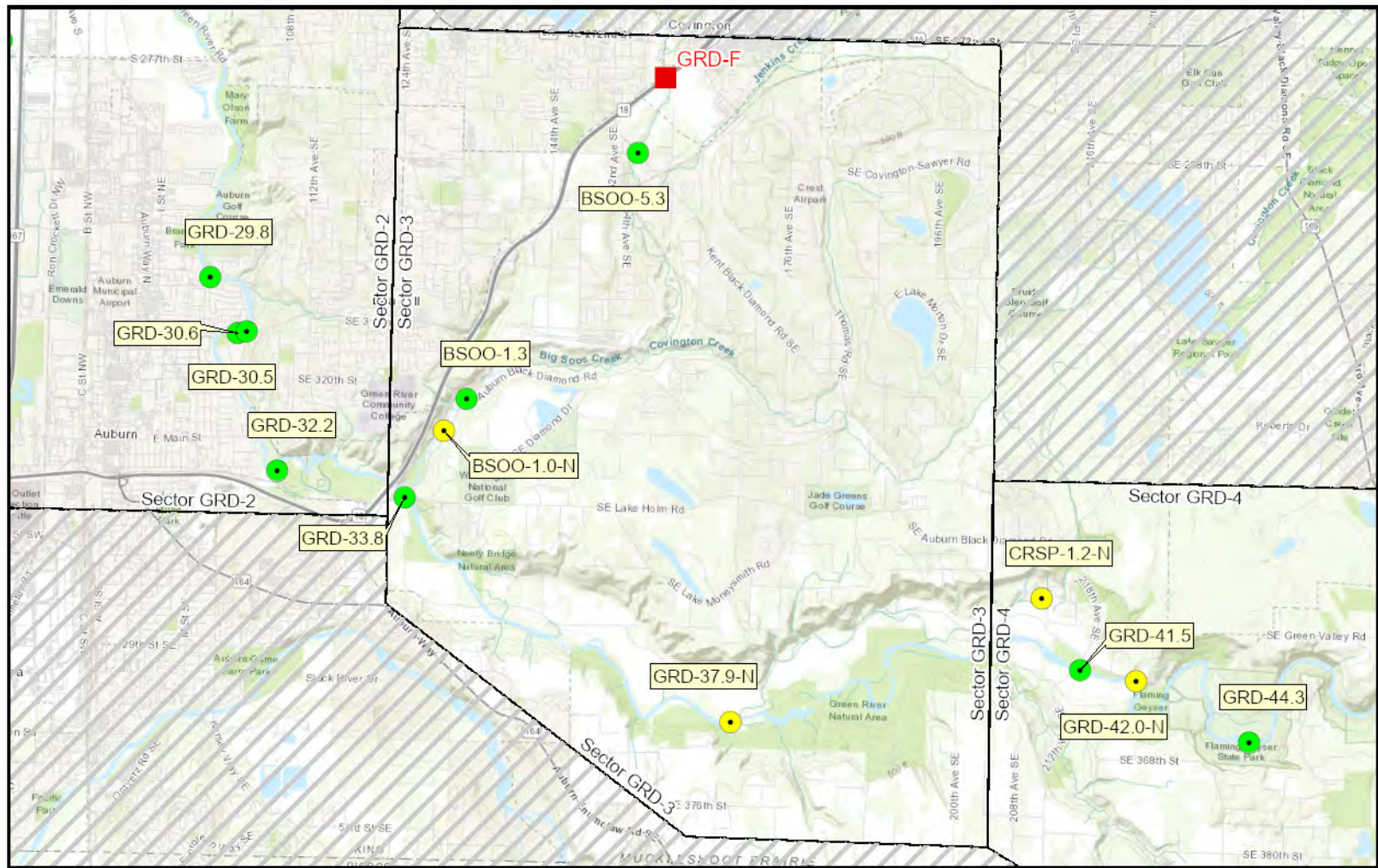
- Response Strategy Locations ▲ Boat Launch Locations
- Notification Strategy Locations ■ Potential Oil Spill Points
- S Staging Area Locations



World Topographic Map: Bureau of Land Management, Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

Sector GRD-2

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



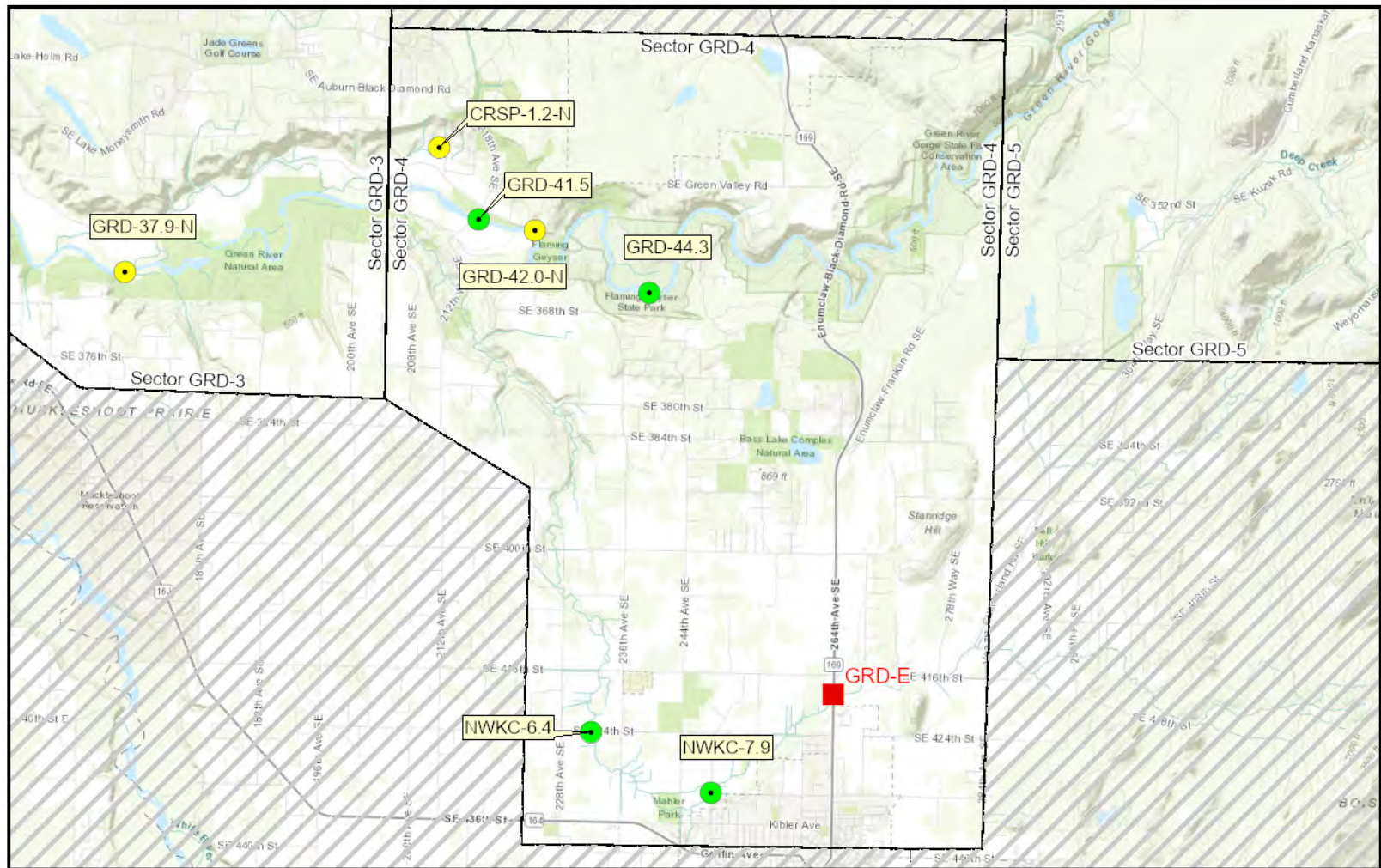
- Response Strategy Locations
- Potential Oil Spill Points
- Notification Strategy Locations

0 0.5 1 2 Miles

World Topographic Map: Bureau of Land Management, Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

Sector GRD-3

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



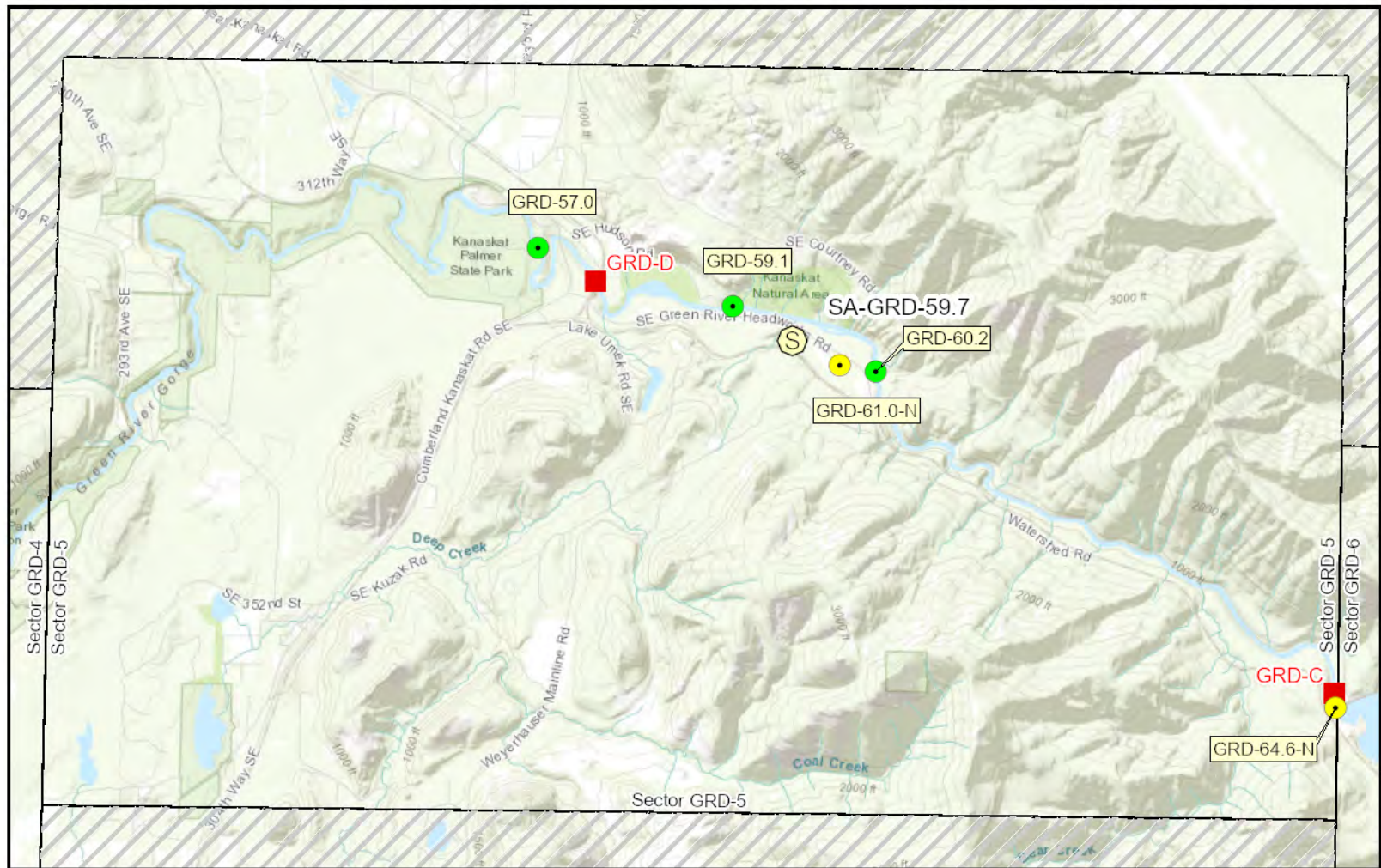
- Response Strategy Locations
- Potential Oil Spill Points
- Notification Strategy Locations

0 0.5 1 2 Miles

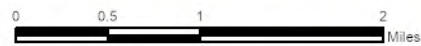
World Topographic Map: Bureau of Land Management, Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

Sector GRD-4

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



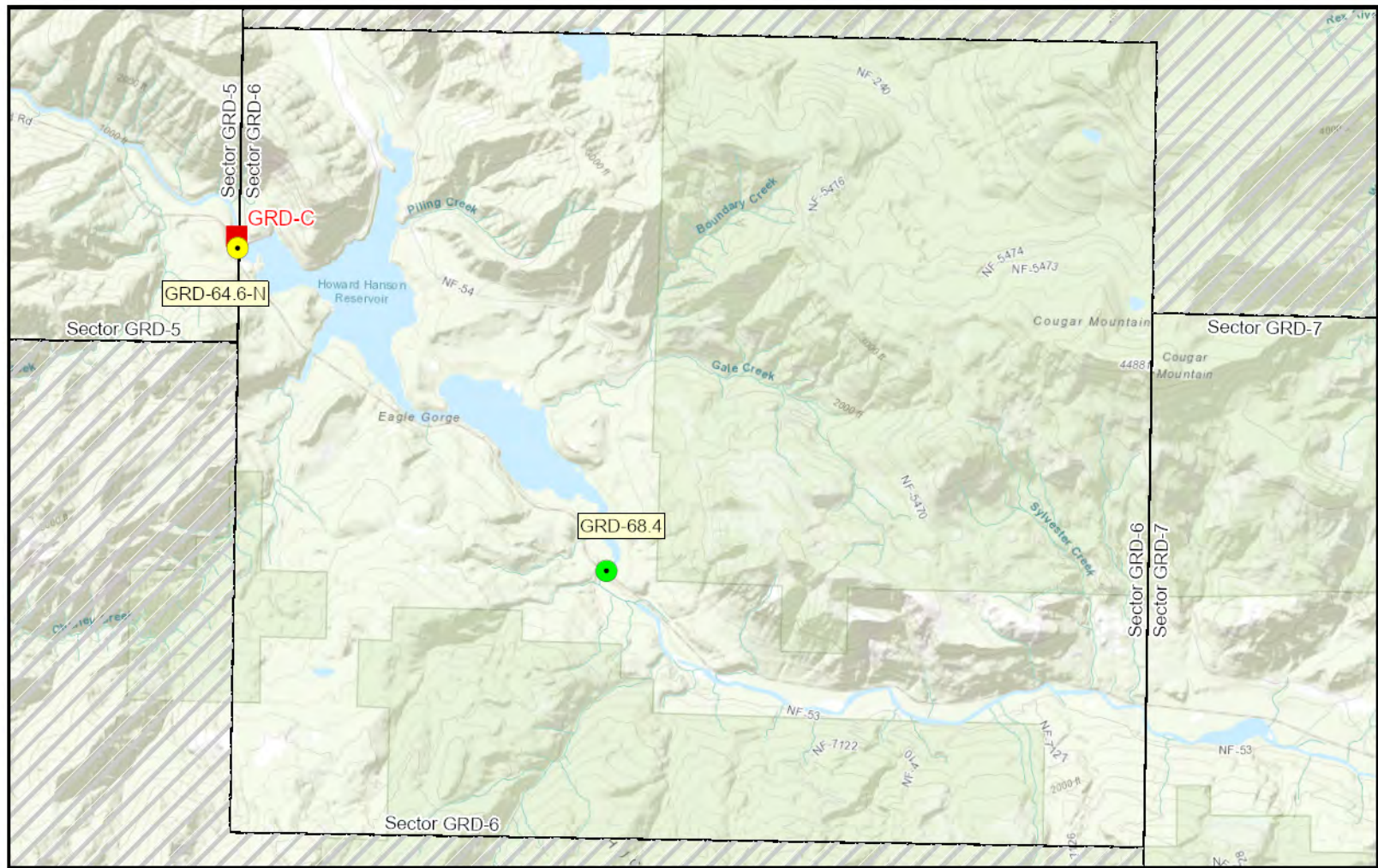
- Response Strategy Locations
- Notification Strategy Locations
- S Staging Area Locations
- Potential Oil Spill Points



World Topographic Map: Bureau of Land Management, Esri Canada, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA

Sector GRD-5

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



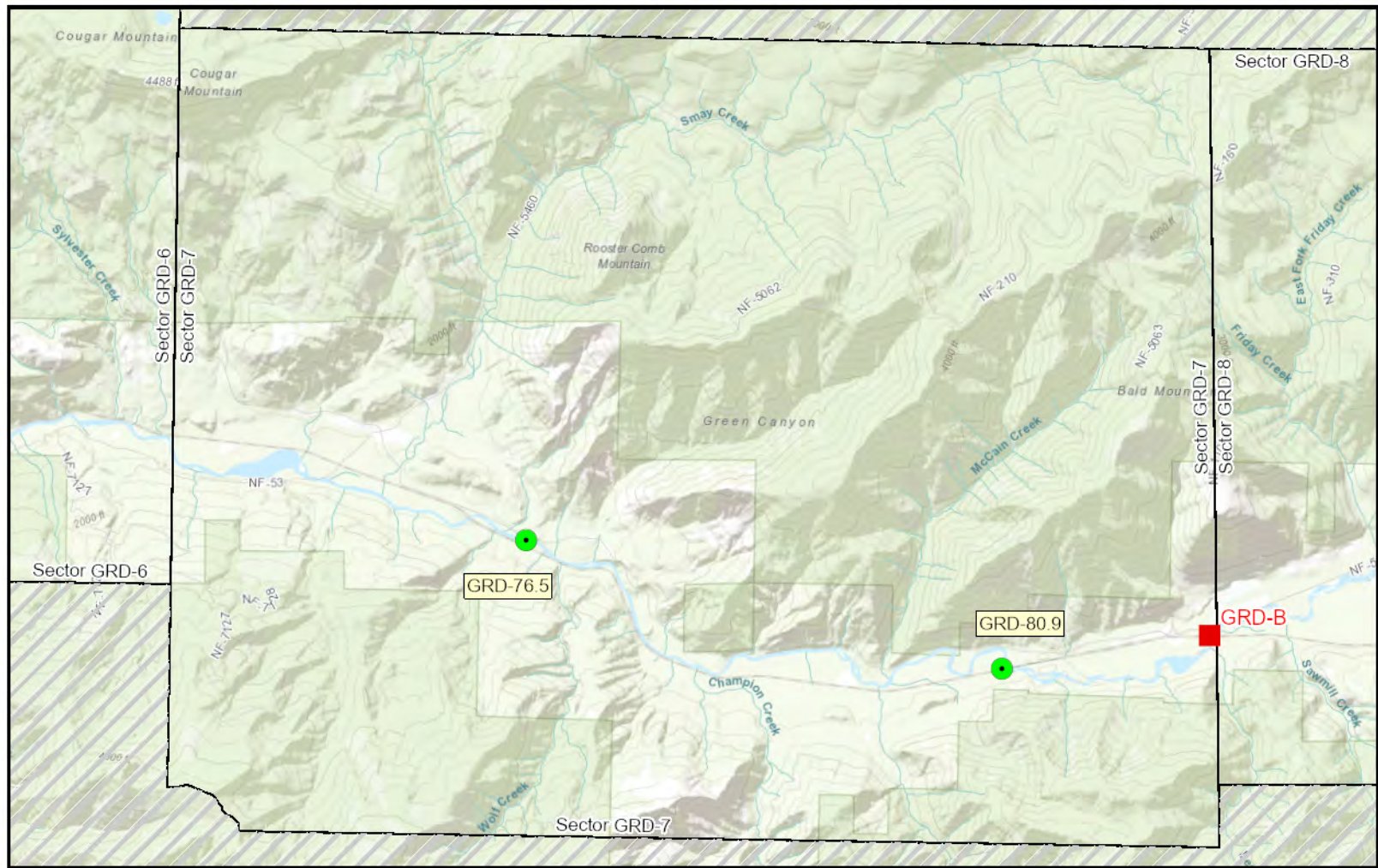
- Response Strategy Locations
- Potential Oil Spill Points
- Notification Strategy Locations

0 0.5 1 2 Miles

World Topographic Map: Bureau of Land Management, Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

Sector GRD-6

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



● Response Strategy Locations

■ Potential Oil Spill Points

0 0.5 1 2 Miles



World Topographic Map: Bureau of Land Management, Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

Sector GRD-7

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

Response Strategy Matrix

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
BLAKR-0.4	Black River Pump Station 47.47543 -122.24518	Collection	Boom 300ft	No	Onsite Use gated parking lot on left bank and private access road to right bank. Notify King County prior to entering site	Estuary Resources, Raptors, Resident Fish, Salmonids, Water Intakes, Waterfowl	Sensitive wetland and nesting area. Notify King County prior to entering site. Can control flow using pump station. Coordinate with King County Wastewater Control Center.	Sector GRD-1	47
BSOO-1.3	Big Soos Creek 47.31339 -122.16405	Collection	Boom 100ft	No	Onsite Facilities & parking just downriver at Soos Creek Hatchery. Small driveway area at site.	Fish Hatchery, Resident Fish, Salmonids, Water Intakes	Restoration tree plantings along bank. Bridge gated and locked with no trespassing sign. Notify King County Parks.	Sector GRD-3	49
BSOO-5.3	Big Soos Creek at Kent Black Diamond Rd 47.34364 -122.13440	Collection	Boom 100ft	No	Onsite Gravel turnaround 100 ft SE of site.	Fish Hatchery, Habitat Restoration Site, Resident Fish, Salmonids, Sensitive Resources Nearby, Wetlands	Follow WSDOT work zone traffic control guidelines when working on or near roadway.	Sector GRD-3	51
GRD-6.8	Chinook Wind 47.50048 -122.29285	Exclusion	Boom 600ft	Yes	Onsite Stage equipment on shoulder of Tukwila International Blvd.	Estuary Resources, Habitat Restoration Site, Reptiles and Amphibians, Resident Fish, Salmonids, Wetlands	Restoration project was completed in 2023. Call King County before deployment. 600 ft boom is recommended to protect the site at high tide. Follow WSDOT work zone traffic control guidelines when working on or near roadway.	Sector GRD-1	53

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
GRD-6.9	Duwamish Garden 47.50028 -122.28866	Collection	Boom 400ft	Yes	Onsite Stage equipment at Green River Trail entrance in the office building's parking lot. Hand-launch workboat on-site.	Estuary Resources, Habitat Restoration Site, Resident Fish, Salmonids, Sensitive Resources Nearby	Remove bollards to access Green River Trail. Bridge on left is light rail, use caution.	Sector GRD-1	55
GRD-8.0	Allentown Bridge 47.49011 -122.28006	Collection	Boom 400ft	No	Onsite Stage on shoulder of Access Roadway on south side of bridge.	Resident Fish, Salmonids, Wetlands	Trail to right bank behind the Tukwila Community Center. Cut bollards to access Green River Trail. Follow WSDOT work zone traffic control guidelines when working on or near roadway.	Sector GRD-1	57
GRD-8.5	Codiga Park 47.49045 -122.27079	Exclusion	Boom 100ft	Yes	Onsite Strategy site is about 350 feet from parking area. Trail not suitable for trucks. If needed, an ATV could be used.	City Park, Habitat Restoration Site, Resident Fish, Salmonids	Some tidal influence (~2 ft). Use waders/plywood in low water. Trail can get muddy.	Sector GRD-1	59
GRD-9.6	57th Ave S Mini Park 47.48407 -122.26391	Collection	Boom 500ft	Yes	Onsite Stage equipment in small parking area at the end of the road. Keep equipment on paved surfaces, if possible.	Estuary Resources, Resident Fish, Salmonids	River right is a small neighborhood park with a steep slope to the river. River left is Foster Golf Links. Limit excessive driving on the grass.	Sector GRD-1	61

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
GRD-10.4	Foster Golf Links Bridge 47.47871 -122.25887	Collection	Boom 300ft	No	Onsite Enter golf course through the maintenance building parking area. Notify parks maintenance for access.	Estuary Resources, Resident Fish, Salmonids	Notify parks maintenance before entering secured areas. Popular public golf course. Bank is steep with blackberries and riprap.	Sector GRD-1	63
GRD-13.2	Strander Bridge at Bicentennial Park 47.45627 -122.24576	Collection	Boom 300ft	Yes	Onsite Trail access from Bicentennial Park. Facilities and small parking area.	Estuary Resources, Salmonids, Resident Fish	High waters can reach bridge bottom. Bridge height 7' from trail.	Sector GRD-1	65
GRD-15.0	S 180th at Andover Park 47.44074 -122.25282	Collection	Boom 400ft	Yes	Onsite Stage in parking lot.	Resident Fish, Salmonids	BNSF tracks between strategy and parking lot, use caution. Cut bollards to access Green River Trail.	Sector GRD-1	67
GRD-17.1	Three Friends Fishing Hole 47.42264 -122.26512	Collection	Boom 300ft	Yes	Onsite Public flush restrooms and parking onsite. Use bolt cutters to access trail.	Resident Fish, Salmonids, Waterfowl	Switchback path to shoreline located just north of parking area on the Green River Trail.	Sector GRD-1	69
GRD-19.2	Van Doren's Landing Hand Launch 47.39866 -122.27588	Collection	Boom 300ft	Yes	Onsite Small gravel parking area. Restroom available at Van Doren's Landing Park.	Resident Fish, Salmonids	Cut bollards to drive down boat launch ramp. In low water there will be a steep drop off at end of ramp. Launch not suitable for trailered boat unless water is high.	Sector GRD-2	71

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
GRD-19.4	Russell Woods Park 47.39569 -122.27358	Collection	Boom 400ft	No	Onsite Stage equipment on Green River Trail. Launch boat from Van Doren's Park Boat Launch BL-GRD-19.2.	Resident Fish, Salmonids, Waterfowl, Wetlands	Left bank of river can be accessed from Frager Rd if water is too low for a boat. The river bank is steep on both sides with blackberries.	Sector GRD-2	73
GRD-21.0	Meeker Street Bridge 47.37870 -122.26853	Collection	Boom 300ft	No	Onsite There is a gravel parking lot on river left for the Green River Trail.	Resident Fish, Salmonids	Foot paths to both riverbanks are located under the vehicle bridge. There is also a pedestrian bridge at this location that can be used to cross the river. There is a USGS stream gage at this location.	Sector GRD-2	75
GRD-21.7	Mullen Slough Mouth 47.37644 -122.26568	Collection	Boom 300ft	Yes	Remote Stage equipment and launch boat from BL-GRD-19.2. Stage vac truck on Frager Rd.	Backwater Habitat, Herons, Marsh, Resident Fish, Salmonids, Waterfowl	Slough sees high flow during fall and winter. From Frager Rd, strategy site is down a steep embankment.	Sector GRD-2	77
GRD-21.8	Downey Farmstead Restoration Site #3 47.37851 -122.26001	Exclusion	Boom 100ft	Yes	Remote Stage equipment and launch boat from Van Doren's Landing, BL-GRD-19.2..	Habitat Restoration Site, Resident Fish, Salmonids	Walk-in access from Frager Rd. Avoid harm to the restoration plantings. Deploy with other Downey strategies; GRD-22.0 and GRD-22.2.	Sector GRD-2	79

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
GRD-22.0	Downey Farmstead Restoration Site #2 47.37888 -122.25865	Exclusion	Boom 100ft	Yes	Remote Stage equipment and launch boat from Van Doren's Landing, BL-GRD-19.2..	Resident Fish, Salmonids	Walk-in access from Frager Rd. Avoid harm to the restoration plantings. Deploy with other Downey strategies; GRD-22.2 and GRD-21.8.	Sector GRD-2	81
GRD-22.2	Downey Farmstead Restoration Site #1 47.37848 -122.25737	Exclusion	Boom 100ft	Yes	Remote Stage equipment and launch boat from Van Doren's Landing, BL-GRD-19.2..	Habitat Restoration Site, Resident Fish, Salmonids	Walk-in access from Frager Rd. Avoid harm to the restoration plantings.	Sector GRD-2	83
GRD-23.9	Hwy 167 Bridge at Foster Park 47.36995 -122.24406	Collection	Boom 400ft	No	Onsite Use Foster Park and Green River/Interurban Trail for staging.	City Park, Habitat Restoration Site, Resident Fish, Salmonids, Wetlands	During low flow conditions, use bridge to access opposite bank. During high flow conditions, water may cover trail.	Sector GRD-2	85
GRD-29.8	Dykstra Park 47.32747 -122.21017	Collection	Boom 300ft	No	Onsite Dykstra public park has paved trails to bridge, cut bollards to access. N section of park has small paved area.	City Park, Habitat Restoration Site, Resident Fish, Salmonids, Water Intakes	Pedestrian bridge connecting two halves of a park. Easy access to water on north (right) bank. Steep climb and vegetation on south (left) bank.	Sector GRD-2	87

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
GRD-30.5	North Green River Park Roadside 47.32102 -122.20346	Collection	Boom 400ft	Yes	Onsite Stage equipment and launch boat from gravel parking area.	Habitat Restoration Site, Resident Fish, Riparian Habitat, Salmonids, Waterfowl, Wetlands	Follow WSDOT work zone traffic control guidelines when working on or near roadway. Left bank accessible from 1610 Riverview Dr. NE, Auburn (gated property owned by King County). Access right bank from 104 Ave SE, Auburn.	Sector GRD-2	89
GRD-30.6	North Green River Park 47.32076 -122.20507	Collection	Boom 500ft	Yes	Onsite Cut bollards at Garden/102 Ave SE dead-end to access beach. North bank trail access off Riverview Dr.	Habitat Restoration Site, Resident Fish, Riparian Habitat, Salmonids, Waterfowl, Wetlands	Left bank accessible from 1610 Riverview Dr. NE, Auburn. This gated property is owned by King County.	Sector GRD-2	91
GRD-32.2	Fenster Nature Park 47.30423 -122.19751	Collection	Boom 400ft	Yes	Onsite Cut bollards. 10K lb limit on steel plate on access rd close to site. Can trailer hand-launch boat to bank.	Habitat Restoration Site, Resident Fish, Riparian Habitat, Salmonids, Waterfowl, Wetlands	Homeless encampments in this area. Site floods in high water. Max 10K lbs on access road - steel plate.	Sector GRD-2	93
GRD-33.8	Porter Levee Natural Area Boat Launch 47.30128 -122.17469	Collection	Boom 900ft	Yes	Onsite Stage equipment in boat launch parking area.	Habitat Restoration Site, Resident Fish, Salmonids	Deploy as single boom section if sandbars are submerged. Log jam 1/2 mile downstream.	Sector GRD-3	95

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
GRD-41.5	Whitney Bridge 47.28201 -122.05376	Collection	Boom 500ft	Yes	Onsite Large gravel parking lot and boat launch ramp. Parking area on NW side of road has portable restroom and parking.	Habitat Restoration Site, Resident Fish, Riparian Habitat, Salmonids, Wetlands	Popular boat launch for hand launch watercrafts and other recreational users. In low water, motorized boat may not be an option. Large cobbles bankside in low water. Pilings on river left may be hidden in high water.	Sector GRD-4	97
GRD-44.3	Flaming Geyser State Park 47.27367 -122.02347	Collection	Boom 500ft	Yes	Onsite Flush restrooms, covered pavilions, water and power. Coordinate with rangers.	Resident Fish, Salmonids, Sensitive Resources, State Park, Wetlands	Fast shallow water and rapids in rainy season. Vegetation and blackberry brambles on bank. Winch and line may be needed to deploy in low flow conditions. Park is popular with kayakers, rafters, and floaters. Boaters in Gorge may exit river here.	Sector GRD-4	99
GRD-57.0	Kanaskat-Palmer State Park Group Camp 47.31844 -121.89650	Collection	Boom 400ft	Yes	Onsite Group camp has parking, flush toilets, water. Hand-carry or ATV 250 ft trail to site with logs/stairs.	Fish Hatchery, Resident Fish, Riparian Habitat, Salmonids, State Park, Water Intakes, Waterfowl, Wetlands	Class IV and V rapids just downstream, then 5 miles of gorge. Unpaved trail, 250 ft unpaved trail from staging area to shoreline. Use temporary storage if necessary.	Sector GRD-5	101

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
GRD-59.1	Sandy Beach 47.31337 -121.87008	Collection	Boom 300ft	Yes	Onsite Stage equipment on-site or at Headworks gate/	Fish Hatchery, Resident Fish, Salmonids, Waterfowl, Wetlands	Area is popular with recreational users. Swift water upstream and downstream. Hand-launch boat from bank. Short footpath from road. Potential emergency access to north bank from private property at end of SE Hudson Rd.	Sector GRD-5	103
GRD-60.2	Green River at Rock Berm 47.30761 -121.85064	Collection	Boom 500ft	Yes	Remote There is a gravel boat launch at the strategy location. BNSF equipment cache at filtration facility.	Resident Fish, Salmonids, Waterfowl	Call Tacoma Water before deployment. Tacoma Water staff will provide access to strategy site. All equipment should be examined by Tacoma Water for contaminants and invasive species prior to deploying.	Sector GRD-5	105

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
GRD-68.4	Green River at Bridge 71 47.24308 -121.72754	Collection	Boom 500ft	No	Remote Tacoma Water staff will provide an escort to strategy site. Stage at Headworks Gate, SA-GRD-59.7.	Public Health and Safety, Raptors, Resident Fish, Salmonids, Water Intakes, Waterfowl, Wetlands	Call BNSF and Tacoma Water before deployment. All equipment should be examined by Tacoma Water for contaminants and invasive species prior to deploying. Avoid logs and woody debris when positioning boom. BNSF equipment cache at filtration facility.	Sector GRD-6	107
GRD-76.5	Green River at Nagrom (BNSF 64.5) 47.21874 -121.58680	Collection	Boom 400ft	Yes	Remote Stage equipment at Headworks Gate. Tacoma Water staff will provide an escort to strategy site.	Raptors, Resident Fish, Salmonids, Water Intakes, Waterfowl, Wetlands	Call BNSF and Tacoma Water before deployment. All equipment should be examined by Tacoma Water for contaminants and invasive species prior to deploying. Left bank accessible by one mile walk on tracks from downstream bridge or use hand-launch workboat.	Sector GRD-7	109

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
GRD-80.9	Green River at W Lester Bridge (BNSF 60.5) 47.20592 -121.51341	Collection	Boom 400ft	No	Remote Stage at Headworks Gate. BNSF equipment cache at filtration facility. Access road to bridge is on river right.	Public Health and Safety, Raptors, Resident Fish, Salmonids, Water Intakes, Waterfowl, Wetlands	Call BNSF and Tacoma Water before deployment. Tacoma Water staff will provide access and an escort to strategy site. All equipment should be examined by Tacoma Water for contaminants and invasive species prior to deploying.	Sector GRD-7	111
MILL-1.6	Mill Creek Carpinito Brothers Corn Maze 47.35563 -122.24829	Collection	Boom 100ft	No	Onsite Large parking area immediately adjacent. Some facilities across street at offices.	Habitat Restoration Site, Resident Fish, Salmonids, Waterfowl, Wetlands	Pumpkin patch open late September through October. Large parking lot leads to footbridge. Vegetation cleared seasonally.	Sector GRD-2	113
NWKC-6.4	Newaukum Creek at 424th 47.22085 -122.03218	Collection	Boom 100ft	No	Onsite Small space to pull off road; use nearby driveways/fields.	Habitat Restoration Site, Resident Fish, Salmonids, Waterfowl, Wetlands	Follow WSDOT work zone traffic control guidelines when working on or near roadway.	Sector GRD-4	115
NWKC-7.9	Newaukum Creek at 248th 47.21386 -122.01092	Collection	Boom 100ft	No	Onsite Driveways/yards next to site. Partial shoulder. Quiet road.	City Park, Habitat Restoration Site, Resident Fish, Salmonids, Waterfowl, Wetlands	Follow WSDOT work zone traffic control guidelines when working on or near roadway.	Sector GRD-4	117

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
SPBC-1.1	Springbrook Creek at SW 7th St 47.47237 -122.23640	Collection	Boom 200ft	No	Onsite Alert King County South Plant Main Control Center before arrival, use parking lot to stage.	Estuary Resources, Herons, Raptors, Resident Fish, Salmonids, Water Intakes, Wetlands	Alert King County South Plant Main Control Center before arrival to prevent security alert. Follow WSDOT work zone traffic control guidelines when working on or near roadway.	Sector GRD-1	119
SPBC-1.4	Springbrook Creek at Grady Way 47.46798 -122.23425	Collection	Boom 100ft	No	Onsite Fire access road is not used. Can stage on road or in parking area or cut bollards to trail.	Estuary Resources, Herons, Raptors, Resident Fish, Salmonids, Wetlands	Notify King County South Main Control Center to avoid security alert.	Sector GRD-1	121
SUNC-0.1	Sunday Creek at Road Bridge 47.21749 -121.44838	Collection	Boom 300ft	No	Remote BNSF equipment cache at filtration facility. Road is not plowed during the winter.	Public Health and Safety, Raptors, Resident Fish, Salmonids, Water Intakes, Waterfowl, Wetlands	Contact Tacoma Water for access and escort to strategy site. All equipment should be examined by Tacoma Water for contaminants and invasive species prior to deploying. May not be feasible during low flow conditions.	Sector GRD-8	123

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
SUNC-1.2	Sunday Creek at Ford 47.23028 -121.43540	Collection	Boom 300ft	Yes	Remote Tacoma Water staff have the gate key. BNSF equipment cache at filtration facility. Road not plowed during winter.	Resident Fish, Salmonids, Waterfowl, Wetlands	Contact Tacoma Water for access and escort to strategy site. All equipment should be examined by Tacoma Water for contaminants and invasive species prior to deploying. May not be feasible during low flow conditions.	Sector GRD-8	125

Notification Strategy Matrix

Strategy Name	Location	Strategy Type	Resources at Risk	Implementation	Comments	Sector Map	Strategy Details (Page#)
BLAKR-0.3-N	Black River Pump Station 47.47499 -122.24520	Notification	Estuary Resources, Habitat Restoration Site, Herons, Raptors, Water Intakes, Waterfowl	Call King County South Plant Control Center at 206-263-1760 to inform them of any significant oil spill or potential spill that may impact the Black River or Springbrook Creek. Ask them to take whatever actions they deem necessary and appropriate to protect the resources under their control. This may include adjusting or stopping the flow at the Black River Pump Station.	Stop flow of water to/from Black River and Springbrook Creek.	Sector GRD-1	129
BSOO-1.0-N	WDFW Soos Creek Hatchery 47.30947 -122.16799	Notification	Fish Hatchery, Resident Fish, Salmonids, Salmonids	Call the WDFW Region 4 main office and explain the situation regarding the spill.	Prevent fish from being released during a spill or protect salmon at hatchery	Sector GRD-3	131
CRSP-1.2-N	Keta Creek Hatchery 47.29061 -122.06089	Notification	Fish Hatchery, Salmonids, Tribal Lands/Resources, Water Intakes	Call the Fisheries department and inform them of the situation. Ask them to notify Keta Creek and Palmer Ponds.	Notify Palmer Ponds to shut intakes. Delay salmon release from Palmer and Keta Creek.	Sector GRD-4	133
GRD-37.9-N	Muckleshoot Tribe Fishermen/Boaters 47.27491 -122.11585	Notification	Public Health and Safety, Tribal Lands/Resources, Salmonids, Resident Fish	Call Muckleshoot Fisheries and explain the situation regarding the spill.	Alert fisheries to get biologists off river. Also alert Police to activate phone tree and get tribal fishermen off river.	Sector GRD-3	135

Strategy Name	Location	Strategy Type	Resources at Risk	Implementation	Comments	Sector Map	Strategy Details (Page#)
GRD-42.0-N	King County Parks 47.28083 -122.04379	Notification	County Park, Public Health and Safety, Salmonids, Resident Fish	Call King County Emergency Line at 206-296-8100 and request a callback from the Parks Duty Officer.	Notify King County Parks to close parks along river and evacuate visitors from the water and banks	Sector GRD-4	137
GRD-61.0-N	Green River Filtration Plant 47.30815 -121.85552	Notification	Fish Ladder(s), Public Health and Safety, Water Intakes	Notify Tacoma Water through the Headworks Security Gate at 253-502-8697 (staffed 24/7). Notify them of any potential spill that may impact the Green River above Green River Headworks Road at approximately river mile 58. Tacoma Water personnel should consider closing their water intake and deploying their protection equipment to protect the resources under their control.	Protect City of Tacoma water supply	Sector GRD-5	139
GRD-64.6-N	Howard Hanson Dam 47.27747 -121.78795	Notification	Federal Lands, Water Intakes, Salmonids, Resident Fish	Call the Reservoir Control Center at 206-764-6702 and inform them of the spill and response taking place.	Notify dam of spill and potentially reduce flow	Sector GRD-5	141

Staging Area Matrix

Strategy Name	Location	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
SA-GRD-19.2	Van Doren's Landing Park and Boat Launch	47.39839 -122.27576	22778 Russell Road Kent, WA 98032	City of Kent Public Works 220 4th Ave S Kent, WA 98032 253-856-5600	GRD-22.2, GRD-21.8, GRD-22.0, GRD-21.7	Small gravel parking area at top of boat launch ramp. Facilities available further north on Russell Rd.	Sector GRD-2	145
SA-GRD-59.7	Tacoma Water Headworks Gate	47.31036 -121.85894	36261 SE Green River Headworks Rd Ravensdale, WA 98051	Tacoma Water Headworks Security Gate Green River Water Treatment Facility 36261 SE Green River Headworks Rd Ravensdale, WA 98051 253-502-8697	GRD-76.5, GRD-68.4, SUNC-0.1, SUNC-1.2, GRD-80.9	Coordinate before arrival with Tacoma Water Headworks Security Gate, 253-502-8697. Guard shack onsite controls access to upper Green River watershed and coordinates escort cars and all traffic into area. You must park at the gate and check in with the guard before entering Tacoma Water property. During a response Tacoma Water may, or may not, choose to offer access to their facilities at their offices (restrooms, water, etc). BNSF has an equipment cache at filtration plant.	Sector GRD-5	147

Boat Launch Matrix

Strategy Name	Name	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
BL-GRD-19.2	Van Doren's Landing Park and Boat Launch	47.39839 -122.27576	22778 Russell Road Kent, WA 98032	City of Kent Public Works 220 4th Ave S Kent, WA 98032 253-856-5600	GRD-22.2, GRD-21.8, GRD-19.2, GRD-22.0, GRD-19.4, GRD-21.7	Hand-launch boat launch. Additional parking on shoulder of road.	Sector GRD-2	151

APPENDIX A

Response Strategy 2-Pagers

Black River Pump Station

BLAKR-0.4

Position - Location: 47° 28.526', -122° 14.711' 47° 28' 31.5", -122° 14' 42.6" 47.47543, -122.24518 Renton

Strategy Objective: Collection : Remove oil from the Black River.

Implementation: Secure 300 ft boom to shore near point A. Cross walkway secure boom to shore near point B. Use access road to right bank. Position vac truck near pump station for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

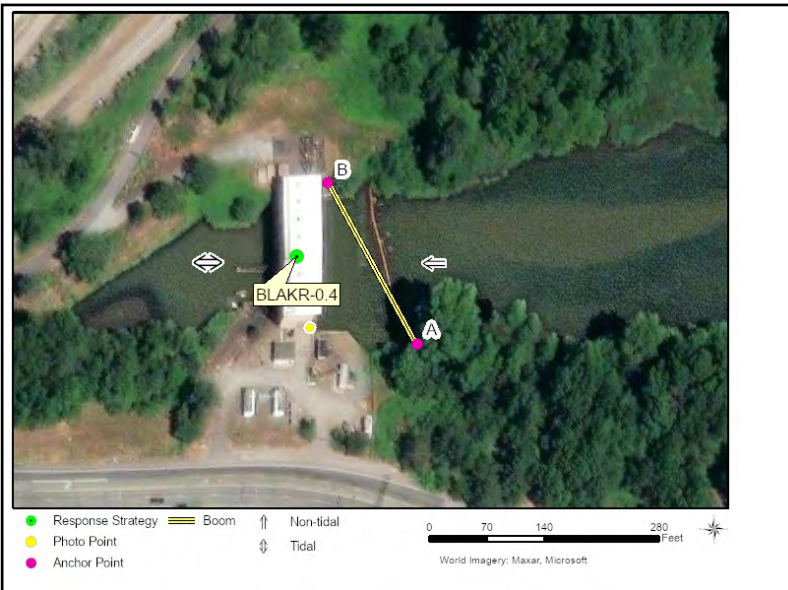
Staging Area: Onsite: Use gated parking lot on left bank and private access road to right bank. Notify King County prior to entering site

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation

Field Notes: Sensitive wetland and nesting area. Notify King County prior to entering site. Can control flow using pump station. Coordinate with King County Wastewater Control Center.

Watercourse: Freshwater Wetland - Black River

Resources at Risk: Estuary Resources, Raptors, Resident Fish, Salmonids, Water Intakes, Waterfowl



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
300	Feet	Boom - B3 (River Boom) or equivalent
300	Feet	Line - 3/8" 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

Black River Pump Station

BLAKR-0.4



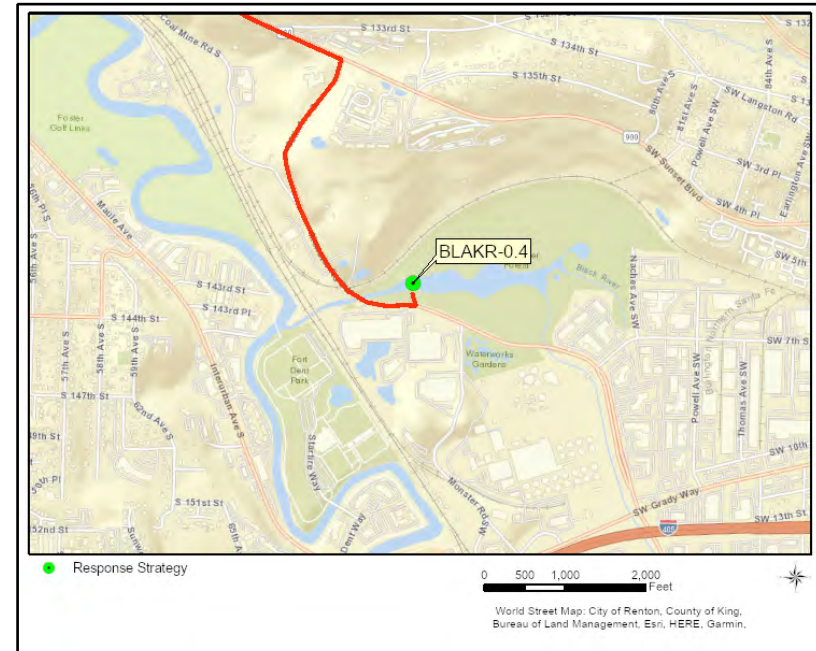
BLAKR-0.4 Photo: Boom placed at King County Black River Pump Station for spill response in February 2025.

Site Contact

King County Wastewater South Plant Main Control Center
Land/Property Owner : Emergency contact
1200 Monster Road SW
Renton, WA 98057
206-263-1760

Nearest Address

550 Monster Rd SW
Renton, WA 98057



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Seattle, go south on I-5 S
2. Take exit 157 on the right to WA-900 E / M L King Way
3. Bear left on Martin Luther King Jr Way S (WA-900)
4. Keep left at the fork onto Martin Luther King Jr Way S
5. Keep right at fork onto Martin Luther King Jr Way S
6. At the traffic light, turn right on 68th Ave S
7. Continue forward on Monster Rd SW
9. Turn left into the gated parking to at 550 Monster Rd SW, 98057

Big Soos Creek

BSOO-1.3

Position - Location: 47° 18.803', -122° 9.843' 47° 18' 48.2", -122° 9' 50.6" 47.31339, -122.16405 Auburn

Strategy Objective: Collection : Collect oil moving downstream on Big Soos Creek.

Implementation: Use bridge to cross creek on foot. Position 100 ft section of boom on the right bank and secure to shore near point A. Extend boom downstream and secure to shore near point C. From point C, extend boom downstream along the shoreline to form a collection pocket. Anchor boom to shore near point B. Position vac truck on road shoulder for collection at point B. Use shoreside anchoring posts or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Onsite: Facilities & parking just downriver at Soos Creek Hatchery. Small driveway area at site.

Site Safety: Traffic; Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions

Field Notes: Restoration tree plantings along bank. Bridge gated and locked with no trespassing sign. Notify King County Parks.

Watercourse: Creek - Big Soos Creek

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



Recommended Equipment

3 Each	Anchoring System(s)- Shoreside
1 Each	Bolt Cutters
100 Feet	Boom - B3 (Contractor Boom) or equivalent
1 Each	Vac Truck or Skimmer and Storage

Recommended Personnel

2 Laborer
1 Supervisor



BSOO-1.3 Photo: Big Soos Creek looking upstream of small bridge.

Site Contact

King County Parks and Recreation

Land/Property Contact :
206-296-8100

WDFW Soos Creek Hatchery

Secondary Contact :
253-931-3950

Nearest Address

13404 SE Auburn-Black Diamond Rd
Auburn, WA 98092



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From I-5 in Seattle, head S towards exit 149.
2. At exit 149 bear right onto ramp to WA-516 toward Kent/Des Moines
3. Turn left on WA-516 (S Kent Des Moines Rd)
4. Turn right onto ramp and go on WA-167 S toward Auburn
5. Take ramp on the right to 15th St NW
6. Turn left on 15th St NW toward Auburn Way
7. Continue on Harvey Rd
8. Continue on M St NE
9. Turn left on 3rd St SE
10. Turn right on R St SE
11. Bear left on SE Auburn Black Diamond Rd
12. At fork keep left on SE Auburn Black Diamond Rd
13. Shortly after WDFW Soos Creek Hatchery, driveway for 13404 SE Auburn-Black Diamond Rd is on the left.

Big Soos Creek at Kent Black Diamond Rd

BSOO-5.3

Position - Location: 47° 20.618', -122° 8.064' 47° 20' 37.1", -122° 8' 3.8" 47.34364, -122.13440 Kent

Strategy Objective: Collection : Collect oil moving downstream on Big Soos Creek

Implementation: Anchor 100 ft section of boom between points A and B on downstream side of bridge. Use shoreside anchoring posts or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions. Position vac truck on the shoulder of the road for collection at point A.

Staging Area: Onsite: Gravel turnaround 100 ft SE of site.

Site Safety: Traffic; Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation

Field Notes: Follow WSDOT work zone traffic control guidelines when working on or near roadway.

Watercourse: Creek - Big Soos Creek

Resources at Risk: Fish Hatchery, Habitat Restoration Site, Resident Fish, Salmonids, Sensitive Resources Nearby, Wetlands



Recommended Equipment

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

Recommended Personnel

2 Laborer
1 Supervisor



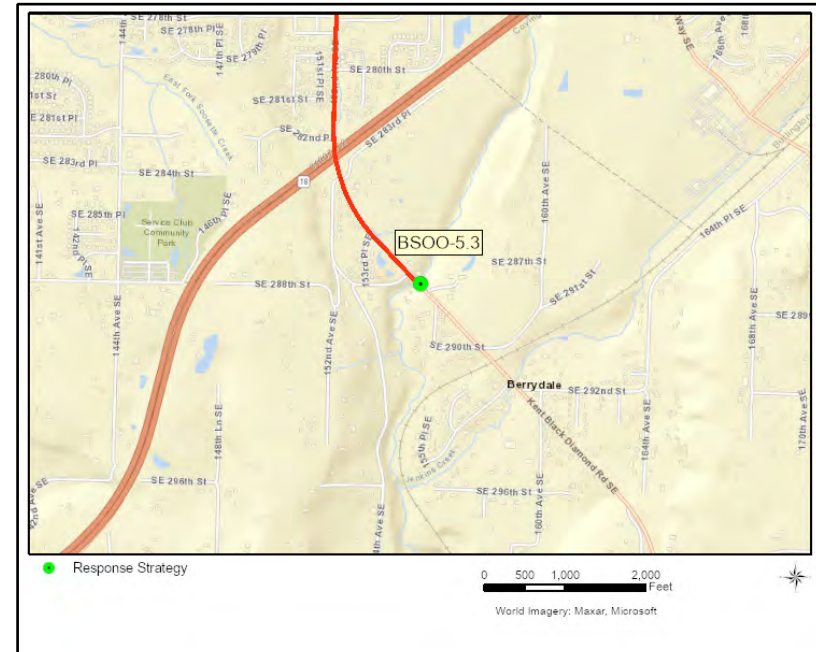
BSOO-5.3 Photo: Looking NW from Big Soos Creek left on upstream side of Kent-Black Diamond Rd SE.

Site Contact

No Information
Not Determined :

Nearest Address

28852 Kent Black Diamond Rd SE
Kent, WA 98042



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From I-5 in Seattle, head south to exit 154A.
2. At exit 154A take ramp on the left and go on I-405 N toward Renton
3. At exit 2 take ramp on the right to WA-167 N toward Renton/Auburn
4. Take ramp to WA-167 S toward Kent/Auburn
5. Go on WA-167 (Valley Fwy)
6. Take ramp on the right to 84th Ave S toward N Central Ave
7. Turn left on 84th Ave S (E Valley Hwy)
8. Continue on Central Ave N (E Valley Hwy)
9. Turn left on WA-516 (E Smith St)
10. Turn right on 152nd Ave SE
11. Continue on Kent Black Diamond Rd SE
12. Finish at 28852 Kent Black Diamond Rd SE, 98042, on the left (gravel turnaround).

Chinook Wind

GRD-6.8

Position - Location: 47° 30.029', -122° 17.571' 47° 30' 1.7", -122° 17' 34.3" 47.50048, -122.29285 Tukwila

Strategy Objective: Exclusion : Keep oil out of restoration site.

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

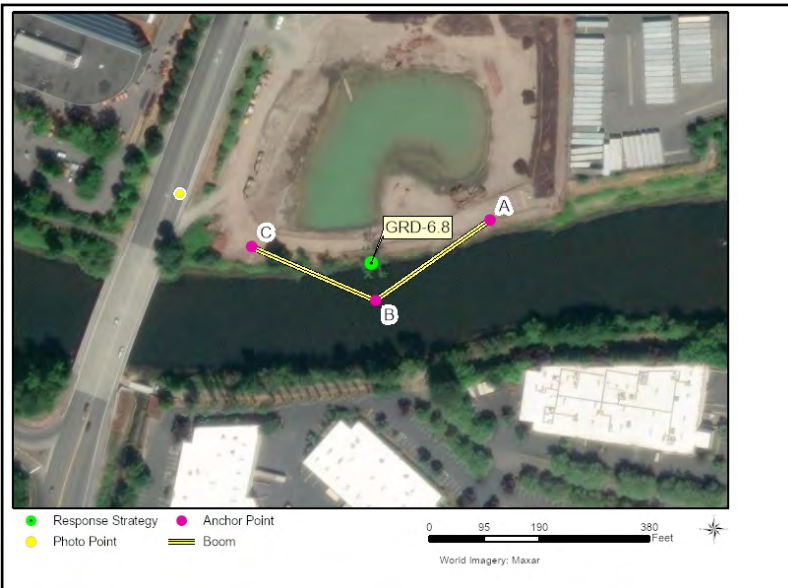
Staging Area: Onsite: Stage equipment on shoulder of Tukwila International Blvd.

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

Field Notes: Restoration project was completed in 2023. Call King County before deployment. 600 ft boom is recommended to protect the site at high tide. Follow WSDOT work zone traffic control guidelines when working on or near roadway.

Watercourse: River - With Tidal Influence - Duwamish/Green River

Resources at Risk: Estuary Resources, Habitat Restoration Site, Reptiles and Amphibians, Resident Fish, Salmonids, Wetlands



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
600 Feet	Boom - B2 (18" to 42")
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor



GRD-6.8 Photo: Looking towards the Chinook Wind restoration site from Tukwila International Blvd. Taken in August 2024.

Site Contact

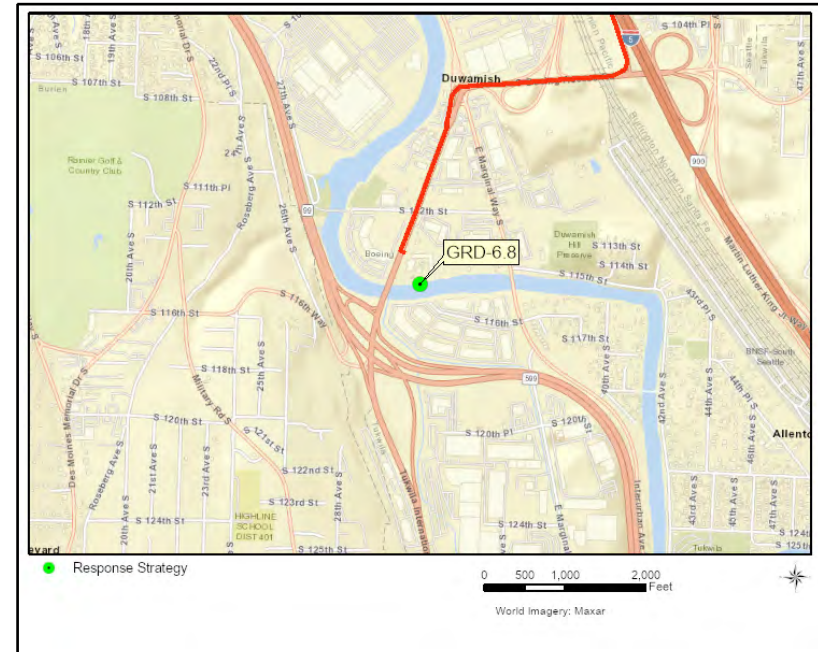
King County

Municipality (County/City) : Water and Land Resources Division

Seattle, WA 98104
206-477-4800

Nearest Address

11210 Tukwila International Blvd
Tukwila, WA 98168



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Seattle, head south on I-5
2. Take exit 158 on the right to Boeing Access Rd toward E Marginal Way
3. Turn right on S Boeing Access Rd
4. At the traffic light, turn left on Tukwila International Blvd
5. Location is on the left just before crossing the bridge over the river.

Duwamish Garden

GRD-6.9

Position - Location: 47° 30.017', -122° 17.320' 47° 30' 1.0", -122° 17' 19.2" 47.50028, -122.28866 Tukwila

Strategy Objective: Collection : Collect oil moving downstream on Green/Duwamish.

Implementation: Secure 400 ft boom to shore near point C on the left bank. Use hand-launch workboat to extend boom to the right bank. Use power winch if necessary. Secure boom to shore near point A. From point C, pull boom downstream along the shoreline and secure to shore near point B. Position vac truck on Green River Trail to collect at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

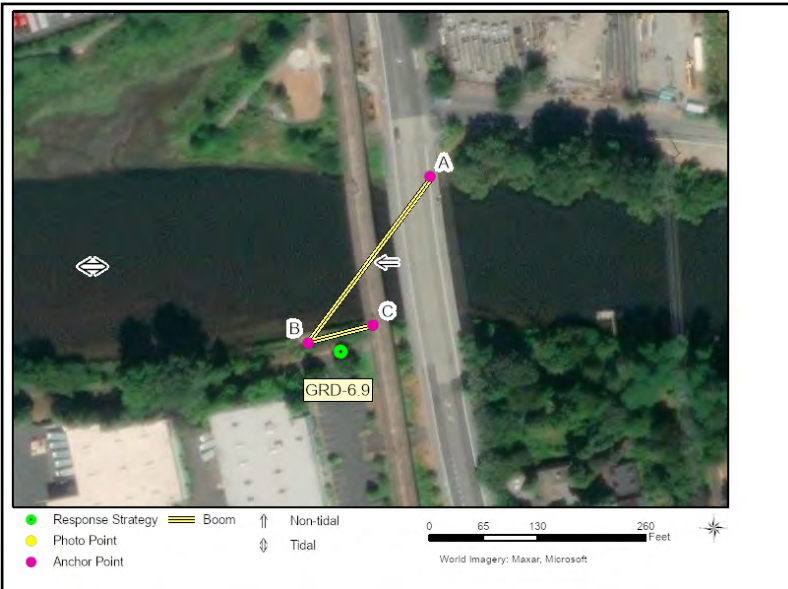
Staging Area: Onsite: Stage equipment at Green River Trail entrance in the office building's parking lot. Hand-launch workboat on-site.

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Steep Bank; Overgrown Vegetation

Field Notes: Remove bollards to access Green River Trail. Bridge on left is light rail, use caution.

Watercourse: River - With Tidal Influence - Duwamish/Green River

Resources at Risk: Estuary Resources, Habitat Restoration Site, Resident Fish, Salmonids, Sensitive Resources Nearby



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
1 Each	Bolt Cutters
400 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Machete(s) - (or other vegetation cutting tool)
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Duwamish Garden

GRD-6.9



GRD-6.9 Photo: Looking across the Green River, under the E Marginal Way S bridge from the Green River Trail in Tukwila.

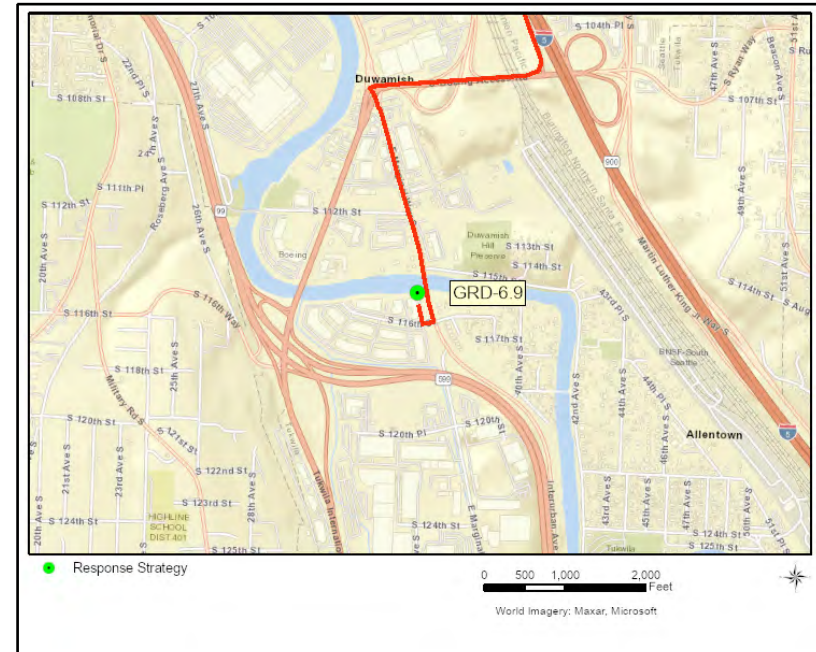
Site Contact

King County Parks and Recreation

Land/Property Contact :
201 S. Jackson Street, # 700
Seattle, WA 98104
206-296-8100

Nearest Address

11521 E Marginal Way S
Tukwila, WA 98168



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Seattle, go south on I-5 S
2. Take exit 158 on the right to Boeing Access Rd toward E Marginal Way / Tukwila
3. Turn right on S Boeing Access Rd toward E Marginal Way
4. At the traffic light, make a sharp left on E Marginal Way S
5. Turn right on S 116th St
7. Turn right into parking lot and the Green River Trail

Allentown Bridge

GRD-8.0

Position - Location: 47° 29.407', -122° 16.804' 47° 29' 24.4", -122° 16' 48.2" 47.49011, -122.28006 Tukwila

Strategy Objective: Collection : Collect oil moving downstream on Green/Duwamish.

Implementation: Secure 400 ft boom to shore near point C on the left bank. Use hand-launch workboat or walk line across bridge to extend boom to the right bank. Use power winch if necessary. Secure boom to shore near point A. From point C, pull boom downstream along the shoreline and secure to shore near point B. Position vac truck on Green River Trail to collect at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

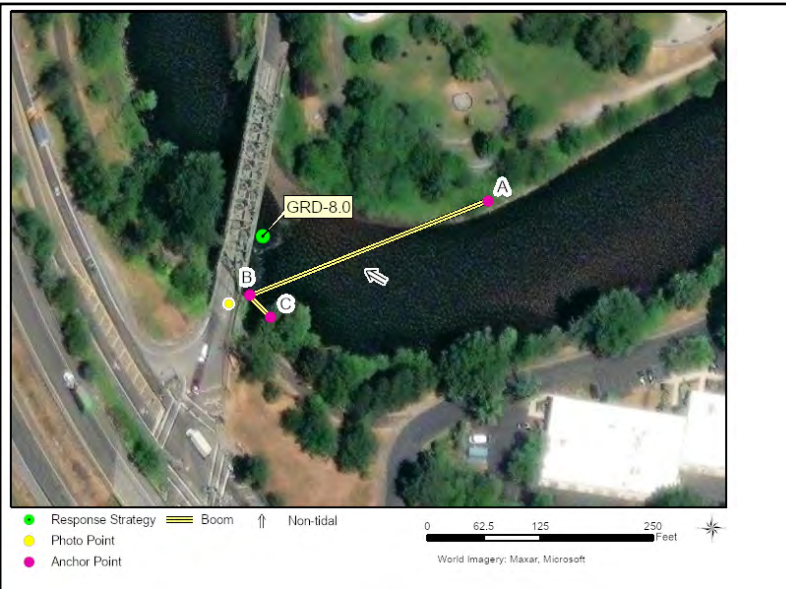
Staging Area: Onsite: Stage on shoulder of Access Roadway on south side of bridge.

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Steep Bank; Overgrown Vegetation

Field Notes: Trail to right bank behind the Tukwila Community Center. Cut bollards to access Green River Trail. Follow WSDOT work zone traffic control guidelines when working on or near roadway.

Watercourse: River - With Tidal Influence - Duwamish/Green River

Resources at Risk: Resident Fish, Salmonids, Wetlands



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
1 Each	Bolt Cutters
400 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Vac Truck or Skimmer and Storage
1 Each	Winch - Power Winch
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Allentown Bridge

GRD-8.0



GRD-8.0 Photo: Looking towards the Tukwila Community Center from the Allentown Bridge above the Green River Trail.

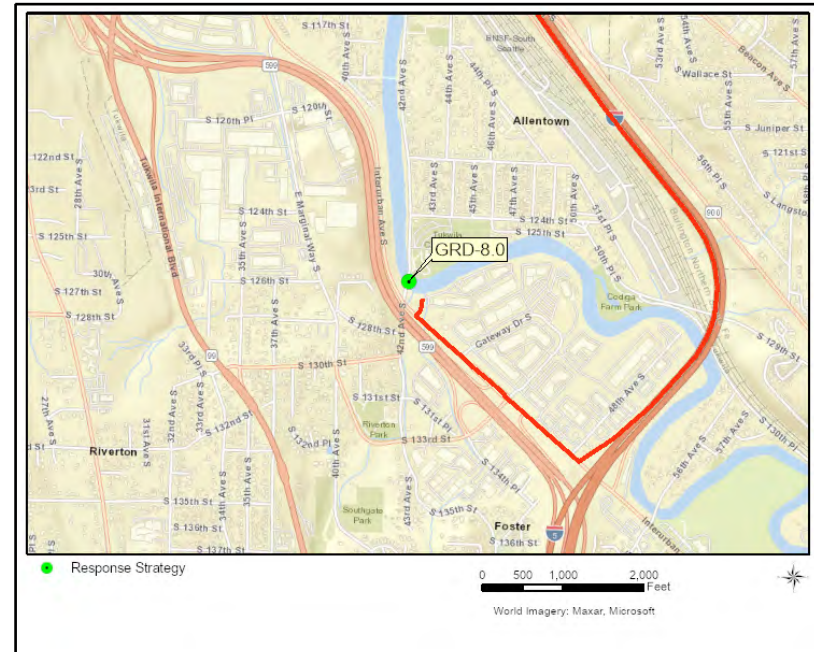
Site Contact

City of Tukwila Parks and Recreation Department

Land/Property Owner :
12424 42nd Avenue South
Tukwila, WA 98168
206 768-2822

Nearest Address

12600 Interurban Ave S
Tukwila, WA 98168



Driving Directions

DIRECTIONS TO STRATEGY

1. From Seattle, go south on I-5 S
2. Take exit 156 on the right to Interurban Ave toward Tukwila
3. At the traffic light, turn right on Interurban Ave S
4. Make a sharp right on Access Roadway
5. Park on shoulder of road or on the Green River Trail

Codiga Park

GRD-8.5

Position - Location: 47° 29.427', -122° 16.247' 47° 29' 25.6", -122° 16' 14.8" 47.49045, -122.27079 Tukwila

Strategy Objective: Exclusion : Keep oil out of habitat restoration site.

Implementation: From parking lot, take unpaved path at NE edge of parking area to deliver 100 ft of boom and other equipment to strategy site. Use a hand-launch boat, or lay plywood walkway or use waders to secure boom near point A. Extend boom across back channel and secure to shore near point B. Use shoreside anchoring posts or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Onsite: Strategy site is about 350 feet from parking area. Trail not suitable for trucks. If needed, an ATV could be used.

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Large Woody Debris

Field Notes: Some tidal influence (~2 ft). Use waders/plywood in low water. Trail can get muddy.

Watercourse: River - With Tidal Influence - Duwamish/Green River

Resources at Risk: City Park, Habitat Restoration Site, Resident Fish, Salmonids



Recommended Equipment

2 Each	Anchoring System(s)- Shoreside
100 Feet	Boom - B3 (River Boom) or equivalent
8 Each	Plywood sheets (4ft x 8ft)
1 Each	Waders
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Codiga Park

GRD-8.5



GRD-8.5 Photo: Back water channel at Codiga Park on the Green River.

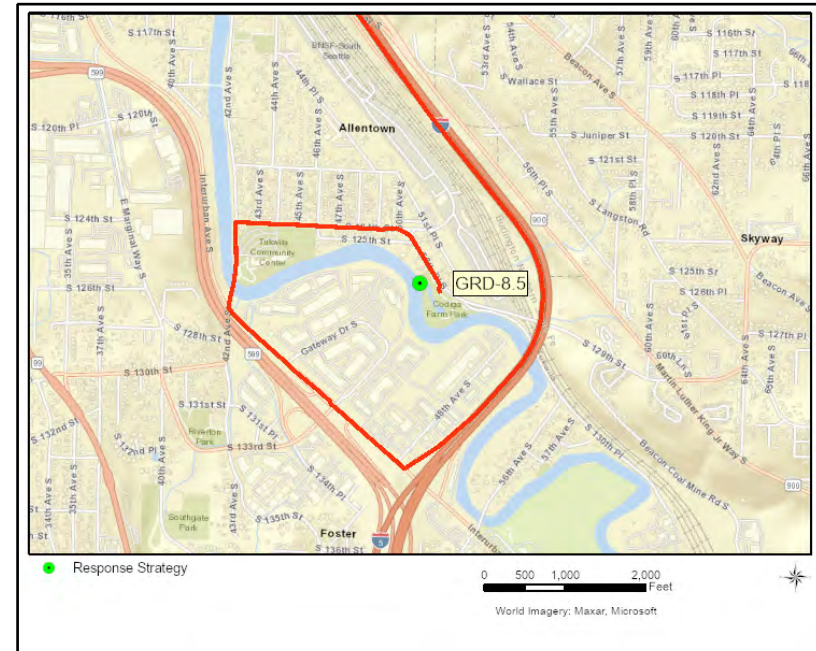
Site Contact

City of Tukwila Parks and Recreation Department

Land/Property Owner :
12424 42nd Avenue South
Tukwila, WA 98168
206 768-2822

Nearest Address

12595 50th PI S
Tukwila, WA 98178



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From I-5 South in Seattle
2. Take exit 156 on the right to Interurban Ave toward Tukwila
3. At the traffic light, turn right on Interurban Ave S
4. At the traffic light, turn right on 42nd Ave S
6. At the stop sign, turn right on S 124th St
7. Bear right to 50th PI S
8. Bear right on 50th PI S
9. Finish at 12595 50th PI S, 98178, on the right

57th Ave S Mini Park

GRD-9.6

Position - Location: 47° 29.044', -122° 15.835' 47° 29' 2.7", -122° 15' 50.1" 47.48407, -122.26391 Tukwila

Strategy Objective: Collection : Collect oil moving downstream on Green/Duwamish

Implementation: Secure 500 ft of boom to shore near point C on the right bank. Use hand-launch workboat to extend boom to the left bank. Use power winch if necessary. Secure boom to shore near point A. From point C, pull boom downstream along the shoreline and secure to shore near point B. Position vac truck on the grass to collect at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Onsite: Stage equipment in small parking area at the end of the road. Keep equipment on paved surfaces, if possible.

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Steep Banks; Overgrown Vegetation

Field Notes: River right is a small neighborhood park with a steep slope to the river. River left is Foster Golf Links. Limit excessive driving on the grass

Watercourse: River - With Tidal Influence - Duwamish/Green River

Resources at Risk: Estuary Resources, Resident Fish, Salmonids



● Response Strategy ● Boom ↑ Non-tidal
● Photo Point
● Anchor Point
0 80 160 320 Feet
World Imagery: Maxar

Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
1 Each	Bolt Cutters
500 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Vac Truck or Skimmer and Storage
1 Each	Winch - Power Winch
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

57th Ave S Mini Park

GRD-9.6



GRD-9.6 Photo: The Green River taken from the mini park on 57th Ave S in Tukwila looking upstream.

Site Contact

City of Tukwila Parks and Recreation Department

Land/Property Owner :
12424 42nd Avenue South
Tukwila, WA 98168
206 768-2822

Nearest Address

13302 56th Avenue South
Tukwila, WA 98178



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From I-5 in Seattle head south to exit 156.
2. At exit 156 take ramp on the right to Interurban Ave toward Tukwila (0.21 miles)
3. Make sharp left on Interurban Ave S (0.22 miles)
4. Turn left on 56th Ave S (0.22 miles)
5. Turn right on S 133rd St then drive to dead-end. Park is straight ahead.

Foster Golf Links Bridge

GRD-10.4

Position - Location: 47° 28.723', -122° 15.532' 47° 28' 43.4", -122° 15' 31.9" 47.47871, -122.25887 Tukwila

Strategy Objective: Collection : Collect oil moving downstream on Green/Duwamish

Implementation: Secure 300 ft boom to shore near point C on the left bank. Walk line across bridge and up opposite bank. Use power winch if necessary to extend boom across the river. Secure boom to shore near point A. From point C, pull boom downstream along the shoreline and secure to shore near point B. Position vac truck to collect at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Onsite: Enter golf course through the maintenance building parking area. Notify parks maintenance for access.

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation

Field Notes: Notify parks maintenance before entering secured areas. Popular public golf course. Bank is steep with blackberries and riprap.

Watercourse: River - With Tidal Influence - Duwamish/Green River

Resources at Risk: Estuary Resources, Resident Fish, Salmonids



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
3	Each	Anchoring System(s)- Shoreside
300	Feet	Boom - B3 (River Boom) or equivalent
600	Feet	Line - 3/8" 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

Foster Golf Links Bridge

GRD-10.4



GRD-10.4 Photo: Looking upstream on the Green River from the pedestrian bridge at Foster Links Gold Course in Tukwila.

Site Contact

City of Tukwila

Land/Property Contact : Parks Maintenance Department
13900 Interurban Ave South
Tukwila, WA 98168
206-433-7157

Nearest Address

13900 Interurban Ave South
Tukwila, WA 98168



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Seattle, go south on I-5 (S)
2. Take exit 156 on the right to Interurban Ave toward Tukwila
3. At the traffic light, make a sharp left on Interurban Ave S
4. Turn left on S 139th St
5. Finish at the gate to 13900 Interurban Ave South, 98168. Enter golf course through access path in the rear of the parking area.

Strander Bridge at Bicentennial Park

GRD-13.2

Position - Location: 47° 27.376', -122° 14.746' 47° 27' 22.6", -122° 14' 44.7" 47.45627, -122.24576 Tukwila

Strategy Objective: Collection : Collect oil moving downstream on the Green River.

Implementation: Secure 300 ft of boom to shore near point C on the left bank. Use hand-launch workboat to extend boom to the right bank. Use power winch if necessary. Secure boom to shore near point A. From point C, pull boom downstream along the shoreline and secure to shore near point B. Position vac truck on the Green River Trail for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Onsite: Trail access from Bicentennial Park. Facilities and small parking area.

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation

Field Notes: High waters can reach bridge bottom. Bridge height 7' from trail.

Watercourse: River - Below a Dam - Green River

Resources at Risk: Estuary Resources, Resident Fish, Salmonids



● Response Strategy Boom ↑ Non-tidal
● Photo Point
● Anchor Point

0 45 90 180 Feet
World Imagery: Maxar, Microsoft

Recommended Equipment

2 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
1 Each	Bolt Cutters
300 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Machete(s) - (or other vegetation cutting tool)
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Strander Bridge at Bicentennial Park

GRD-13.2



GRD-13.2 Photo: Taken from under Strander Blvd Bridge from the Green River Trail, just upstream from Bicentennial Park.

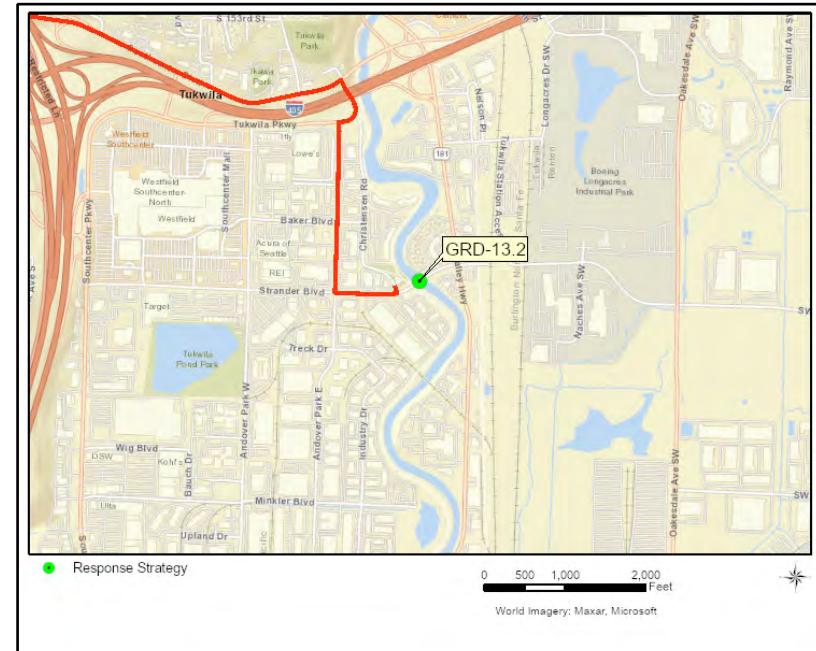
Site Contact

City of Tukwila Parks and Recreation Department

Land/Property Owner :
12424 42nd Avenue South
Tukwila, WA 98168
206 768-2822

Nearest Address

630 Strander Blvd
Tukwila, WA 98188



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From I-5 in Seattle head south to exit 154B.
2. Bear right onto ramp to WA-518 toward Burien/Sea-Tac Airport/Southcenter Blvd. & Mall
3. Take ramp toward Southcenter Blvd & Mall
4. Turn left on Southcenter Blvd (S 154th St)
5. Turn right on 66th Ave S
6. Continue on Tukwila Pky
7. Turn left on Andover Park E
8. Turn left on Strander Blvd
9. Turn left just before the bridge, into Bicentennial Park.

S 180th at Andover Park

GRD-15.0

Position - Location: 47° 26.444', -122° 15.169' 47° 26' 26.7", -122° 15' 10.2" 47.44074, -122.25282 Tukwila

Strategy Objective: Collection : Collect oil moving downstream on the Green River.

Implementation: Secure 400 ft boom to shore near point C. Use hand launch workboat to extend boom to opposite bank. Secure to shore near point A. From point C, pull boom downstream to form a collection pocket at point B. Secure to shore at point B. Position vac truck on the Green River Trail above point to point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Onsite: Stage in parking lot.

Site Safety: Traffic; Slips, Trips, Falls; Water Hazard; Uneven Terrain; Steep Banks; Overgrown Vegetation

Field Notes: BNSF tracks between strategy and parking lot, use caution. Cut bollards to access Green River Trail.

Watercourse: River - Below a Dam - Green River

Resources at Risk: Resident Fish, Salmonids



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Machete(s) - (or other vegetation cutting tool)
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

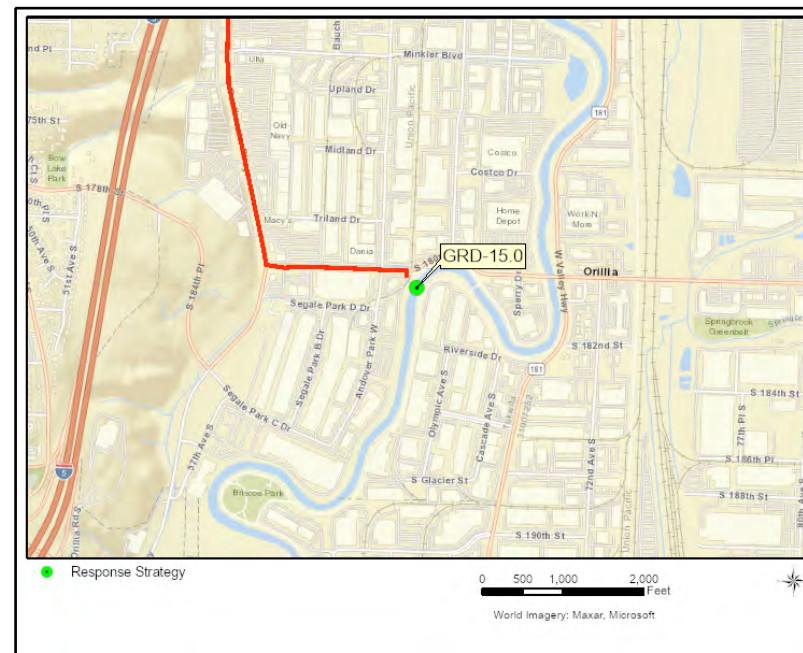
1	Boat Operator
2	Laborer
1	Supervisor

S 180th at Andover Park

GRD-15.0



GRD-15.0 Photo: View from setback levee access road, looking upstream on river left.



Site Contact

King County Parks and Recreation

Land/Property Contact :
206-296-8100

BNSF Railway

Emergency Contact : Service Interruption Desk
817-352-2832

Nearest Address

18080 Andover Park W
Tukwila, WA 98188

Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Seattle, go south on I-5.
2. Take the exit on the right to WA518 toward Sea-Tac Airport
3. Keep right at the fork to Southcenter Blvd toward Southcenter Mall
4. At the traffic light, turn left on Southcenter Blvd
5. Bear right to 61st Ave S
6. Bear right to Tukwila Pkwy (0.04 miles)
7. Continue forward to Southcenter Pkwy (0.93 miles)
8. At the traffic light, turn left on S 180th St (0.27 miles)
9. Go past Andover Park W and turn into parking lot just after the building.

Three Friends Fishing Hole

GRD-17.1

Position - Location: 47° 25.358', -122° 15.907' 47° 25' 21.5", -122° 15' 54.4" 47.42264, -122.26512 Kent

Strategy Objective: Collection : Collect oil moving downstream on the Green River.

Implementation: Secure 300 ft boom to shore near point C on the right bank. Use hand-launch workboat to extend boom to the left bank. Use power winch if necessary. Secure boom to shore near point A. From point C, pull boom downstream along the shoreline and secure to shore near point B. Position vac truck on Green River Trail to collect at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Onsite: Public flush restrooms and parking onsite. Use bolt cutters to access trail.

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Steep Bank; Overgrown Vegetation

Field Notes: Switchback path to shoreline located just north of parking area on the Green River Trail.

Watercourse: River - Below a Dam - Green River

Resources at Risk: Resident Fish, Salmonids, Waterfowl



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
1	Each	Bolt Cutters
300	Feet	Boom - B3 (River Boom) or equivalent
1	Each	Machete(s) - (or other vegetation cutting tool)
1	Each	Vac Truck or Skimmer and Storage
1	Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Three Friends Fishing Hole

GRD-17.1



GRD-17.1 Photo: Looking down the bank at Three Friends Fishing Hole on the Green River.

Site Contact

City of Kent

Land/Property Contact : Public Works
220 4th Ave S
Kent, WA 98032
253-856-5600

Nearest Address

19970 Russell Rd
Kent, WA 98032



Driving Directions

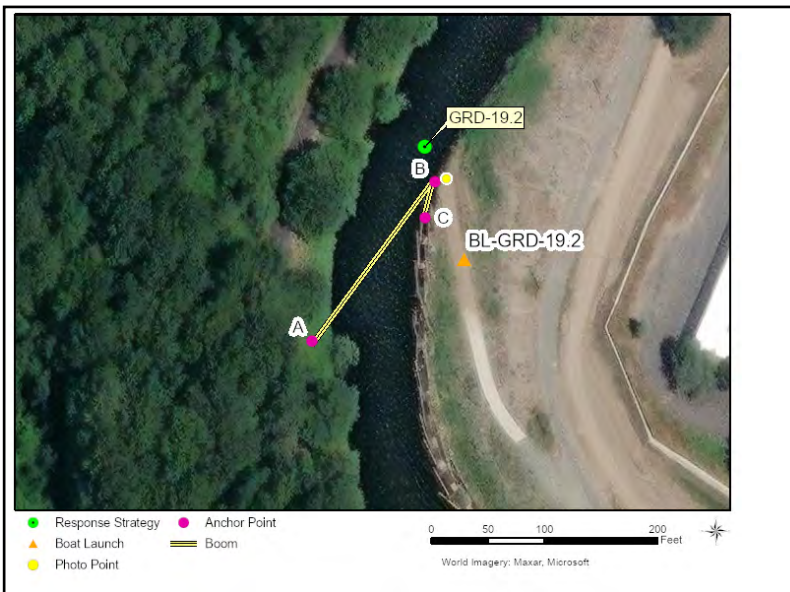
DIRECTIONS TO STRATEGY LOCATION

1. From I-5 in Seattle, head south towards exit 152.
2. At exit 152 bear right onto ramp to S. 188th St. toward Orillia Rd.
3. At fork keep left toward Orillia Road
4. Make sharp left on S 188th St
5. Bear right on Orillia Rd S
6. Turn left on S 200th St
7. Turn right on Russell Rd
8. Parking lot is at end of road. Trail to river is 200 ft north of parking area on the Green River Trail.

Van Doren's Landing Hand Launch

GRD-19.2

Position - Location:	47° 23.920', -122° 16.553'	47° 23' 55.2", -122° 16' 33.2"	47.39866, -122.27588	Kent
Strategy Objective:	Collection : Collect oil moving downstream on the Green River.			
Implementation:	Secure 300 ft of boom to shore near point C. Use hand-launch workboat to extend boom to opposite bank. Secure boom to shore near point A. From point C, extend boom downstream and secure to shore near point B to form a collection pocket. Position vac truck on boat launch ramp for collection at point B. Use shoreside anchoring posts or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.			
Staging Area:	Onsite: Small gravel parking area. Restroom available at Van Doren's Landing Park.			
Site Safety:	Slips, Trips, Falls; Water Hazard; Uneven Terrain; Steep Bank; Overgrown Vegetation			
Field Notes:	Cut bollards to drive down boat launch ramp. In low water there will be a steep drop off at end of ramp. Launch not suitable for trailered boat unless water is high.			
Watercourse:	River - Below a Dam - Green River			
Resources at Risk:	Resident Fish, Salmonids			



Recommended Equipment

2 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
1 Each	Bolt Cutters
300 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Machete(s) - (or other vegetation cutting tool)
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Van Doren's Landing Hand Launch

GRD-19.2



GRD-19.2 Photo: Green River at hand launch boat launch in Kent.

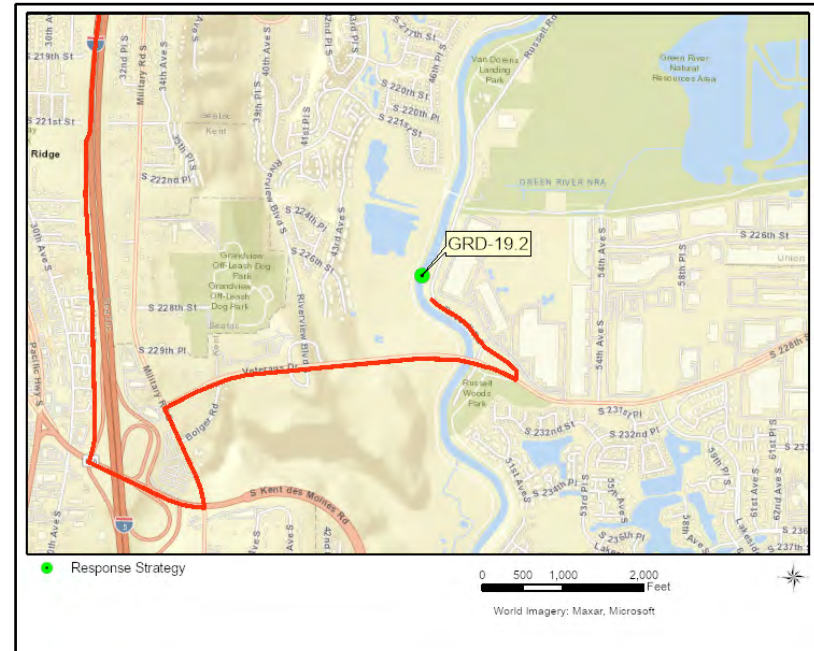
Site Contact

City of Kent

Land/Property Contact : Public Works
220 4th Ave S
Kent, WA 98032
253-856-5600

Nearest Address

22778 Russell Road
Kent, WA 98032



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Seattle, go south on I-5 S
2. Take exit 149 on the right to WA-516 toward Kent / Des Moines
3. Keep left at the fork to WA-516 E toward Kent
4. At the traffic light, turn left on S Kent des Moines Rd (WA-516)
5. At the traffic light, turn left on Military Rd S (36th Ave S)
6. At the traffic light, turn right on Veterans Dr
7. Keep left at the fork onto Veterans Dr
8. Turn left on Russell Rd
9. Go past paved parking area for Russel Woods Park.
10. Follow to gravel parking area for launch on left.

Russell Woods Park

GRD-19.4

Position - Location: 47° 23.741', -122° 16.415' 47° 23' 44.5", -122° 16' 24.9" 47.39569, -122.27358 Kent

Strategy Objective: Collection : Collect oil moving downstream on the Green River.

Implementation: Transport 400 ft boom from Van Doren boat launch to strategy location or deploy from shore. Secure 400 ft boom to shore near point A. Extend boom across the channel and secure to shore near point C. From point C, pull boom downstream about 50 ft to form a collection pocket. Secure to shore near point B. Cut bollards to position vac truck on Green River Trail for collection under the bridge at point B. Use shoreside anchoring posts or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Onsite: Stage equipment on Green River Trail. Launch boat from Van Doren's Park Boat Launch BL-GRD-19.2.

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Steep Bank; Overgrown Vegetation

Field Notes: Left bank of river can be accessed from Frager Rd if water is too low for a boat. The river bank is steep on both sides with blackberries.

Watercourse: River - Below a Dam - Green River

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



● Response Strategy ● Anchor Point
● Photo Point — Boom

0 50 100 200 Feet
World Imagery: Maxar, Microsoft

Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
1 Each	Bolt Cutters
400 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Machete(s) - (or other vegetation cutting tool)
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor



GRD-19.4 Photo: Green River from Russell Woods Park under the Veterans Drive bridge.

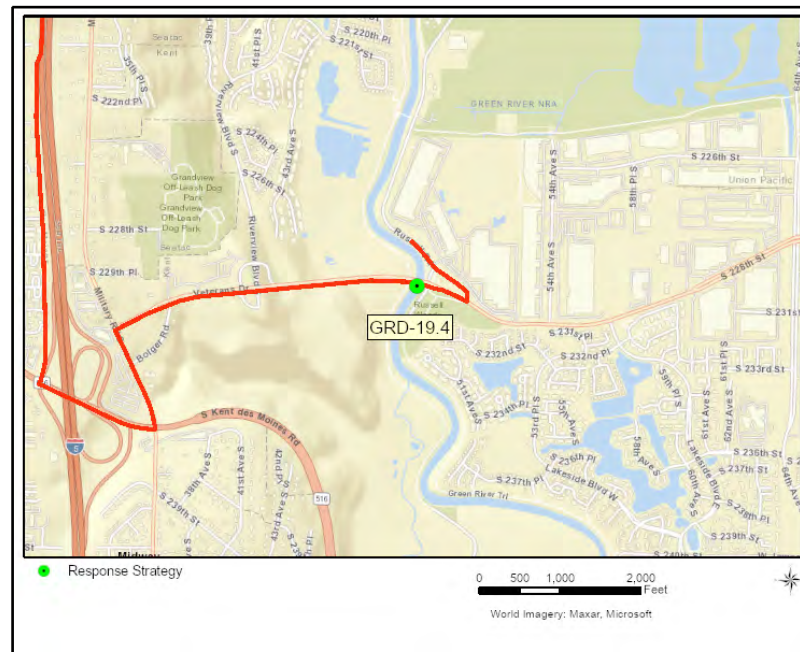
Site Contact

City of Kent

Land/Property Contact : Public Works
220 4th Ave S
Kent, WA 98032
253-856-5600

Nearest Address

22711 Russell Rd
Kent, WA 98032



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Seattle, go south on I-5 S
2. Take exit 149 on the right to WA-516 toward Kent / Des Moines
3. Keep left at the fork to WA-516 E toward Kent
4. At the traffic light, turn left on S Kent des Moines Rd (WA-516)
5. At the traffic light, turn left on Military Rd S (36th Ave S)
6. At the traffic light, turn right on Veterans Dr
8. Keep left at the fork onto Veterans Dr
9. Turn left on Russell Rd
10. Finish at the paved parking lot for Russell Woods Park, on the left

DIRECTIONS TO VAN DOREN'S PARK BOAT LAUNCH, BL-GRD-19.2

1. Go past Russel Woods Parking area to small gravel parking area .2 miles farther down Russel Rd on the left.

Meeker Street Bridge

GRD-21.0

Position - Location: 47° 22.722', -122° 16.112' 47° 22' 43.3", -122° 16' 6.7" 47.37870, -122.26853 Kent

Strategy Objective: Collection : Collect oil moving downstream on the Green River.

Implementation: Use footpath under bridge to access river. Secure 300 ft boom to shoreline near point C. Use hand-launch workboat or walk line across bridge to extend boom to opposite bank. Secure boom to shore near point A. From point C, extend boom downstream and secure to shore near point B to form a collection pocket. Position vac truck at gravel parking area for collection at point B. Use shoreside anchoring posts or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

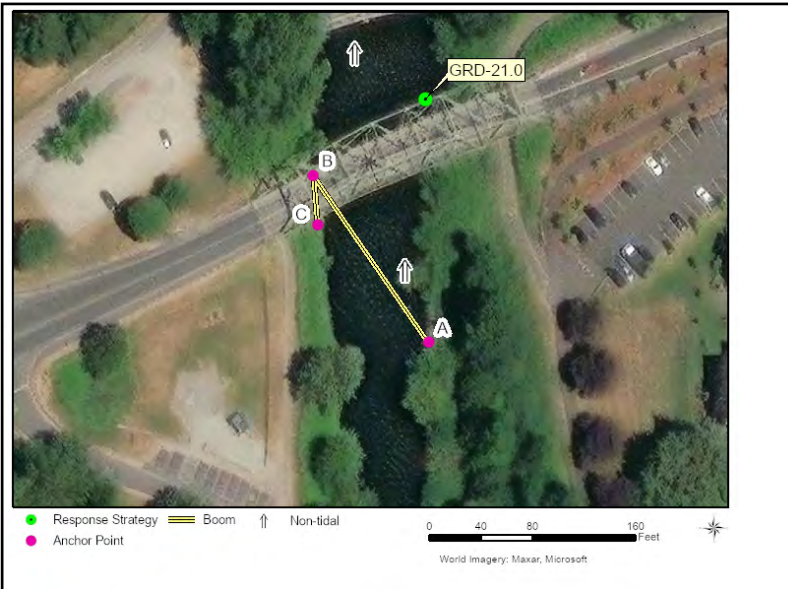
Staging Area: Onsite: There is a gravel parking lot on river left for the Green River Trail.

Site Safety: Traffic; Slips, Trips, Falls; Water Hazard; Uneven Terrain; Steep Bank; Overgrown Vegetation

Field Notes: Foot paths to both riverbanks are located under the vehicle bridge. There is also a pedestrian bridge at this location that can be used to cross the river. There is a USGS stream gage at this location.

Watercourse: River - Below a Dam - Green River

Resources at Risk: Resident Fish, Salmonids



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
3	Each	Anchoring System(s)- Shoreside
300	Feet	Boom - B3 (River Boom) or equivalent
600	Feet	Line - 3/8" 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

Meeker Street Bridge

GRD-21.0



GRD-21.0 Photo: Looking upstream from the pedestrian bridge towards the Meeker Street Bridge (under going renovations)

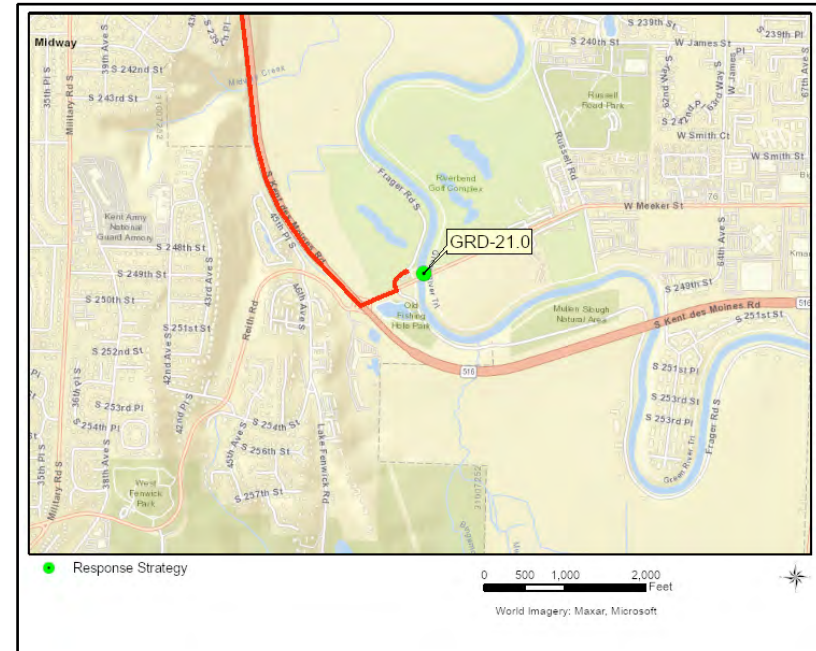
Site Contact

City of Kent

Land/Property Contact : Public Works
220 4th Ave S
Kent, WA 98032
253-856-5600

Nearest Address

W Meeker St & Frager Rd
Kent, WA 98032



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. Start at I-5 S from Seattle
2. Take exit 149 on the right to WA-516 toward Kent / Des Moines
3. Keep left at the fork to WA-516 E toward Kent
4. At the traffic light, turn left on S Kent des Moines Rd (WA-516)
5. At the traffic light, turn left on S Kent des Moines Rd (W Meeker St).
6. Turn left onto Frager Rd S
7. Finish at gravel parking area on the left

Mullen Slough Mouth

GRD-21.7

Position - Location: 47° 22.586', -122° 15.941' 47° 22' 35.2", -122° 15' 56.4" 47.37644, -122.26568 Kent

Strategy Objective: Collection : Collect oil moving downstream on the Green River.

Implementation: Use workboat to transport 300 ft boom to strategy site from Van Dorer's boat launch. Secure boom to shore near point A. Extend boom across the river. Secure to shore near point C. Pull the boom downstream, across the slough channel. Secure to shore near point B. Position vac truck on Frager Rd for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Remote: Stage equipment and launch boat from BL-GRD-19.2. Stage vac truck on Frager Rd.

Site Safety: Traffic; Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation

Field Notes: Slough sees high flow during fall and winter. From Frager Rd, strategy site is down a steep embankment.

Watercourse: River - Below a Dam - Green River

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



Recommended Equipment

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

Recommended Personnel

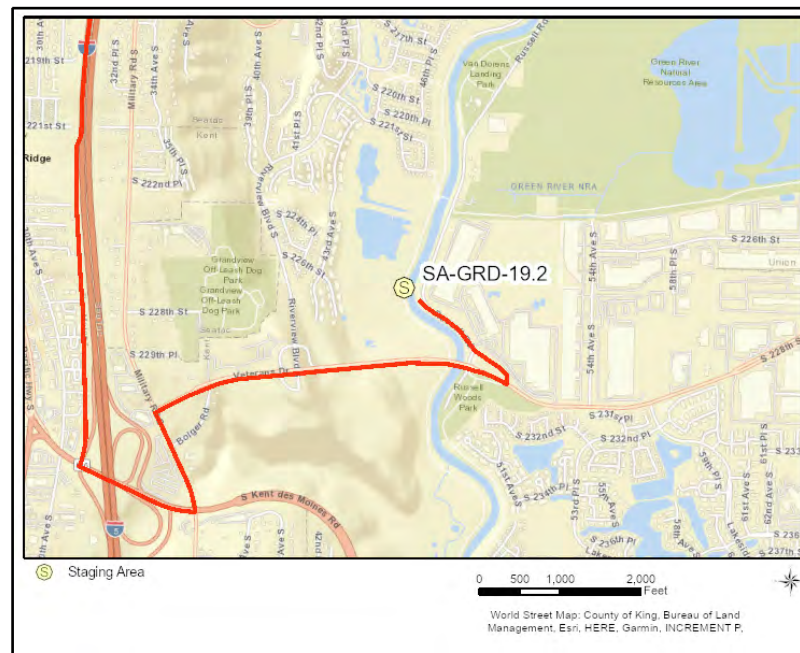
1	Boat Operator
2	Laborer
1	Supervisor

Mullen Slough Mouth

GRD-21.7



GRD-21.7 Photo: From left bank, looking northeast past Mullen Slough on the same side of the river.



Site Contact

City of Kent

Land/Property Contact : Public Works
220 4th Ave S
Kent, WA 98032
253-856-5600

Nearest Address

22778 Russell Road
Kent, WA 98032

Driving Directions

DIRECTIONS TO BOAT LAUNCH

1. From Seattle, go south on I-5 S
2. Take exit 149 on the right to WA-516 toward Kent / Des Moines
3. Keep left at the fork to WA-516 E toward Kent
4. At the traffic light, turn left on S Kent des Moines Rd (WA-516)
5. At the traffic light, turn left on Military Rd S (36th Ave S)
6. At the traffic light, turn right on Veterans Dr
7. Keep left at the fork onto Veterans Dr
8. Turn left on Russell Rd
9. Go past paved parking area for Russel Woods Park.
10. Follow to gravel parking area for launch on left.

STRATEGY IS LOCATIOED AT:

24906 Frager Rd S, Kent, 98032

Downey Farmstead Restoration Site #3

GRD-21.8

Position - Location: 47° 22.711', -122° 15.601' 47° 22' 42.6", -122° 15' 36.0" 47.37851, -122.26001 Kent

Strategy Objective: Exclusion : Keep oil out of the restoration site.

Implementation: Deploy only during high flows when water is flowing into the channel. Use workboat to transport boom to strategy site from Van Doren's boat launch. Secure 100 ft boom to shore across the channel opening near points A and B.

Staging Area: Remote: Stage equipment and launch boat from Van Doren's Landing, BL-GRD-19.2..

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation

Field Notes: Walk-in access from Frager Rd. Avoid harm to the restoration plantings. Deploy with other Downey strategies; GRD-22.0 and GRD-22.2.

Watercourse: River - Below a Dam - Green River

Resources at Risk: Habitat Restoration Site, Resident Fish, Salmonids



Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
1	Each	Workboat(s) - shallow-water

Recommended Personnel

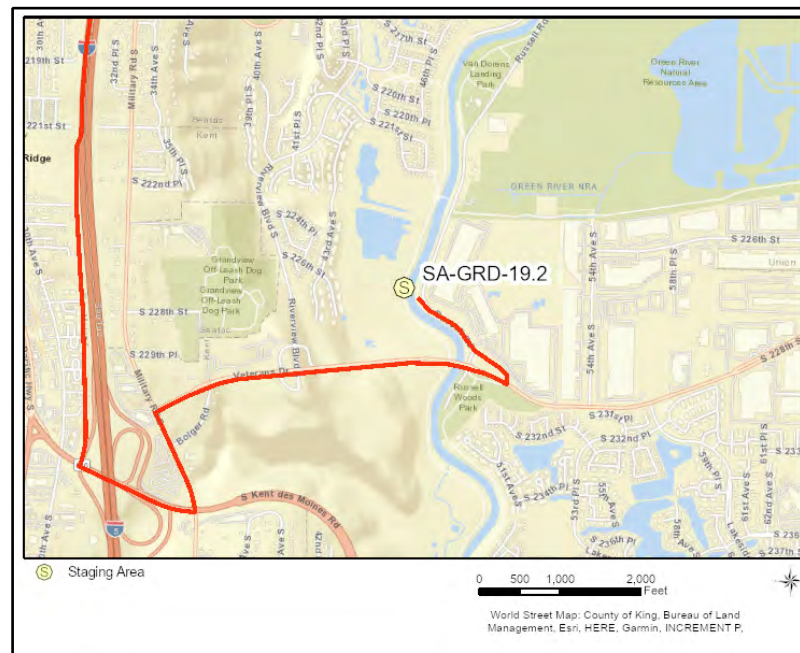
1	Boat Operator
2	Laborer
1	Supervisor

Downey Farmstead Restoration Site #3

GRD-21.8



GRD-21.8 Photo: Looking towards the Green River from Frager Rd across the Downey restoration site.



Site Contact

City of Kent

Land/Property Contact : Public Works
220 4th Ave S
Kent, WA 98032
253-856-5600

Nearest Address

22778 Russell Road
Kent, WA 98032

Driving Directions

DIRECTIONS TO BOAT LAUNCH

1. From Seattle, go south on I-5 S
2. Take exit 149 on the right to WA-516 toward Kent / Des Moines
3. Keep left at the fork to WA-516 E toward Kent
4. At the traffic light, turn left on S Kent des Moines Rd (WA-516)
5. At the traffic light, turn left on Military Rd S (36th Ave S)
6. At the traffic light, turn right on Veterans Dr
7. Keep left at the fork onto Veterans Dr
8. Turn left on Russell Rd
9. Go past paved parking area for Russel Woods Park.
10. Follow to gravel parking area for launch on left.

Downey Farmstead Restoration Site #2

GRD-22.0

Position - Location: 47° 22.733', -122° 15.519' 47° 22' 44.0", -122° 15' 31.1" 47.37888, -122.25865 Kent

Strategy Objective: Exclusion : Keep oil out of the restoration site.

Implementation: Deploy only during high flows when water is flowing into the channel. Use workboat to transport boom to strategy site from Van Doren's boat launch. Secure 100 ft boom to shore across the channel opening near points A and B.

Staging Area: Remote: Stage equipment and launch boat from Van Doren's Landing, BL-GRD-19.2..

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation

Field Notes: Walk-in access from Frager Rd. Avoid harm to the restoration plantings. Deploy with other Downey strategies; GRD-22.2 and GRD-21.8.

Watercourse: River - Below a Dam - Green 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) - shallow-water

Recommended Personnel

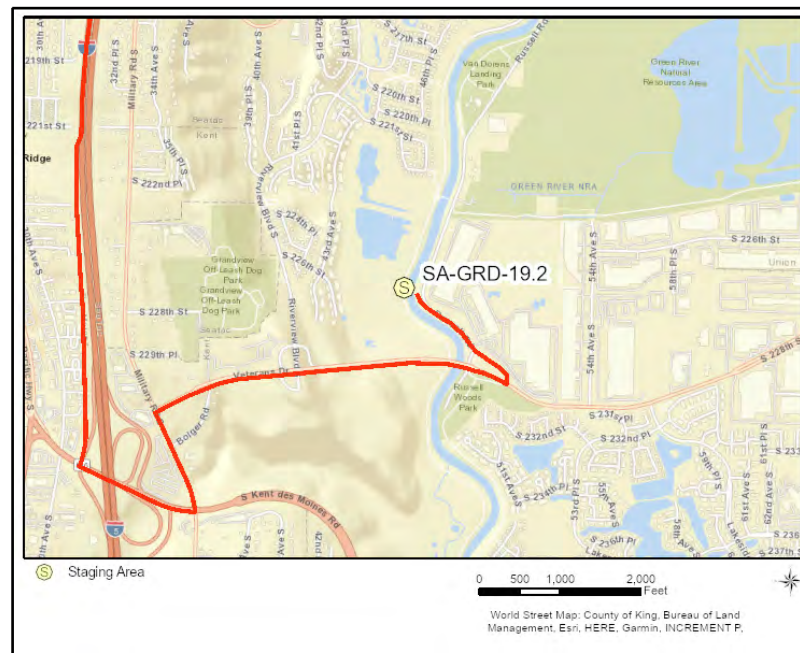
1	Boat Operator
2	Laborer
1	Supervisor

Downey Farmstead Restoration Site #2

GRD-22.0



GRD-22.0 Photo: Looking towards the Green River from Frager Rd across the Downey restoration site.



Site Contact

City of Kent

Land/Property Contact : Public Works
220 4th Ave S
Kent, WA 98032
253-856-5600

Nearest Address

22778 Russell Road
Kent, WA 98032

Driving Directions

DIRECTIONS TO BOAT LAUNCH

1. From Seattle, go south on I-5 S
2. Take exit 149 on the right to WA-516 toward Kent / Des Moines
3. Keep left at the fork to WA-516 E toward Kent
4. At the traffic light, turn left on S Kent des Moines Rd (WA-516)
5. At the traffic light, turn left on Military Rd S (36th Ave S)
6. At the traffic light, turn right on Veterans Dr
7. Keep left at the fork onto Veterans Dr
8. Turn left on Russell Rd
9. Go past paved parking area for Russel Woods Park.
10. Follow to gravel parking area for launch on left.

Downey Farmstead Restoration Site #1

GRD-22.2

Position - Location: 47° 22.709', -122° 15.442' 47° 22' 42.5", -122° 15' 26.5" 47.37848, -122.25737 Kent

Strategy Objective: Exclusion : Keep oil out of the restoration site.

Implementation: Deploy only during high flows when water is flowing into the channel. Use workboat to transport boom to strategy site from Van Doren's boat launch. Secure 100 ft boom to shore across the channel opening near points A and B.

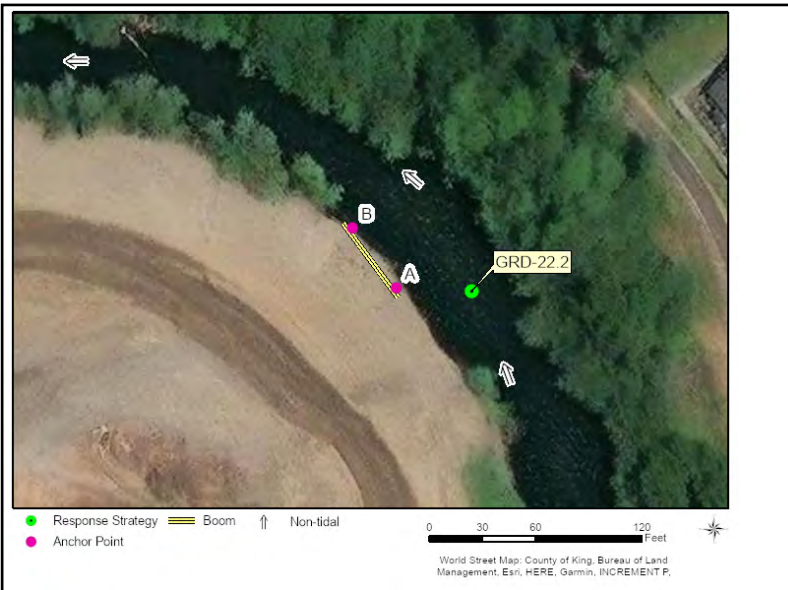
Staging Area: Remote: Stage equipment and launch boat from Van Doren's Landing, BL-GRD-19.2..

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation

Field Notes: Walk-in access from Frager Rd. Avoid harm to the restoration plantings.

Watercourse: River - Below a Dam - Green River

Resources at Risk: Habitat Restoration Site, Resident Fish, Salmonids



Recommended Equipment

2 Each	Anchoring System(s)- Shoreside
100 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Workboat(s) - shallow-water

Recommended Personnel

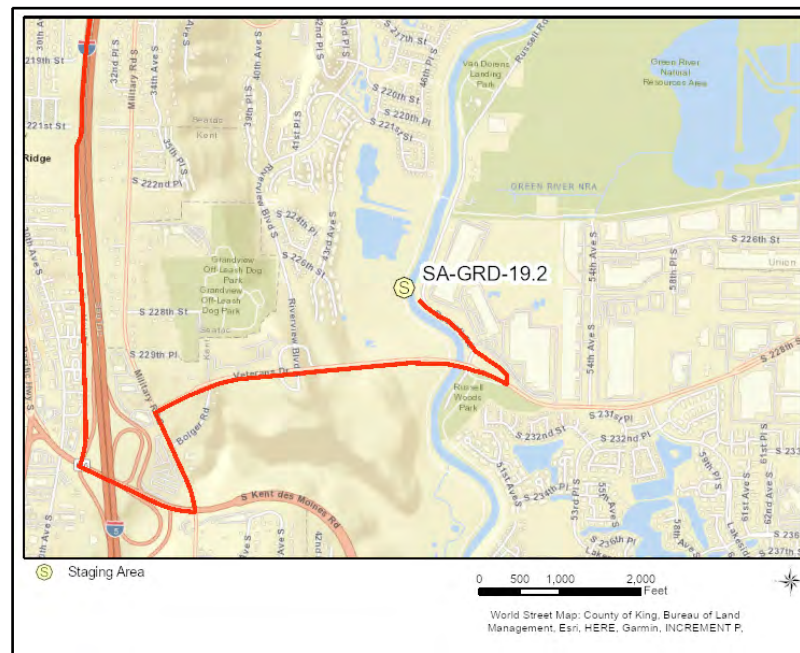
1 Boat Operator
2 Laborer
1 Supervisor

Downey Farmstead Restoration Site #1

GRD-22.2



GRD-22.2 Photo: Looking towards the Green River from Frager Rd across the Downey restoration site.



Site Contact

City of Kent

Land/Property Contact : Public Works
220 4th Ave S
Kent, WA 98032
253-856-5600

Nearest Address

22778 Russell Road
Kent, WA 98032

Driving Directions

DIRECTION TO BOAT LAUNCH

1. From Seattle, go south on I-5 S
2. Take exit 149 on the right to WA-516 toward Kent / Des Moines
3. Keep left at the fork to WA-516 E toward Kent
4. At the traffic light, turn left on S Kent des Moines Rd (WA-516)
5. At the traffic light, turn left on Military Rd S (36th Ave S)
6. At the traffic light, turn right on Veterans Dr
7. Keep left at the fork onto Veterans Dr
8. Turn left on Russell Rd
9. Go past paved parking area for Russel Woods Park.
10. Follow to gravel parking area for launch on left.

Hwy 167 Bridge at Foster Park

GRD-23.9

Position - Location: 47° 22.197', -122° 14.644' 47° 22' 11.8", -122° 14' 38.6" 47.36995, -122.24406 Kent

Strategy Objective: Collection : Collect oil moving downstream on the Green River.

Implementation: From parking area, use Green River Trail to access strategy location under bridge. Cut bollard locks if necessary. Deploy 400 ft boom and secure to shore near point C. Use hand-launch workboat to extend boom to left bank. Secure to shore near point A. From point C, extend boom downstream and secure to shore near point B to form a collection pocket. Position vac truck on trail for collection at point B. Use shoreside anchoring posts or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

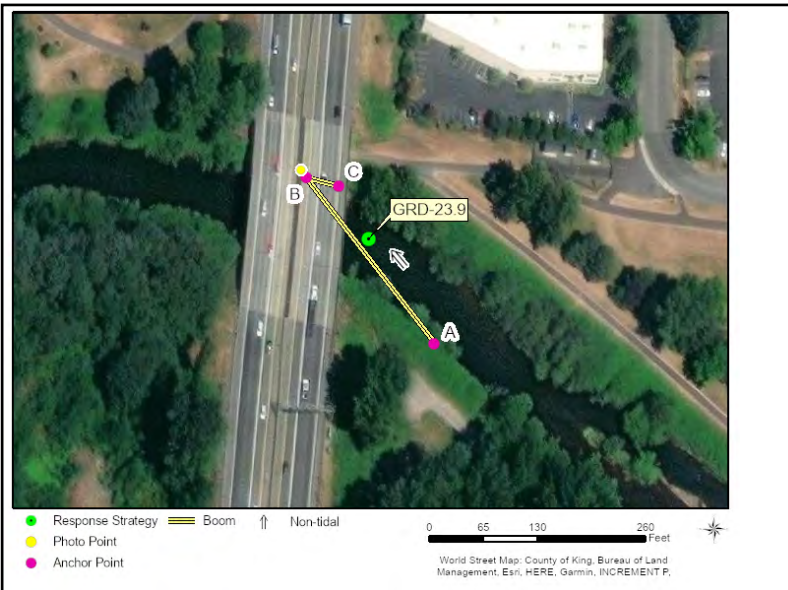
Staging Area: Onsite: Use Foster Park and Green River/Interurban Trail for staging.

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Steep Bank; Overgrown Vegetation

Field Notes: During low flow conditions, use bridge to access opposite bank. During high flow conditions, water may cover trail.

Watercourse: River - Below a Dam - Green River

Resources at Risk: City Park, Habitat Restoration Site, Resident Fish, Salmonids, Wetlands



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
1 Each	Bolt Cutters
400 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Machete(s) - (or other vegetation cutting tool)
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Hwy 167 Bridge at Foster Park

GRD-23.9



GRD-23.9 Photo: Under Highway 167 bridge from Green River Trail on river right, looking SE upriver.

Site Contact

City of Kent

Land/Property Contact : Public Works
220 4th Ave S
Kent, WA 98032
253-856-5600

Nearest Address

25945 74th Ave S
Kent, WA 98032



Driving Directions

DIRECTIONS TO STRATEGY

1. From I-5 in Seattle, head south to exit 149.
2. At exit 149 bear right onto ramp to WA-516 toward Kent/Des Moines
3. Turn left on WA-516 (S Kent Des Moines Rd)
4. Turn right on 74th Ave S
5. Where the road bends left, turn right into small parking area for Foster Park/electric substation. Cut bollards and follow trail west under the bridge.

Dykstra Park

GRD-29.8

Position - Location:	47° 19.648', -122° 12.610'	47° 19' 38.9", -122° 12' 36.6"	47.32747, -122.21017	Auburn
Strategy Objective:	Collection : Collect oil moving downstream on the Green River.			
Implementation:	Secure 300 ft of boom to shore near point on the right bank under bridge. Walk line across bridge and up opposite bank. Use power winch of necessary to extend boom across the river. Secure to shore near point A. From point C, pull boom downstream along the shoreline to form a collection pocket. Secure to shore near point B. Position vac truck to collect at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.			
Staging Area:	Onsite: Dykstra public park has paved trails to bridge, cut bollards to access. N section of park has small paved area.			
Site Safety:	Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation			
Field Notes:	Pedestrian bridge connecting two halves of a park. Easy access to water on north (right) bank. Steep climb and vegetation on south (left) bank.			
Watercourse:	River - Below a Dam - Green River			
Resources at Risk:	City Park, Habitat Restoration Site, Resident Fish, Salmonids, Water Intakes			



Recommended Equipment	
2 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
1 Each	Bolt Cutters
300 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Machete(s) - (or other vegetation cutting tool)
1 Each	Vac Truck or Skimmer and Storage
1 Each	Winch - Power Winch
Recommended Personnel	
2 Laborer	
1 Supervisor	



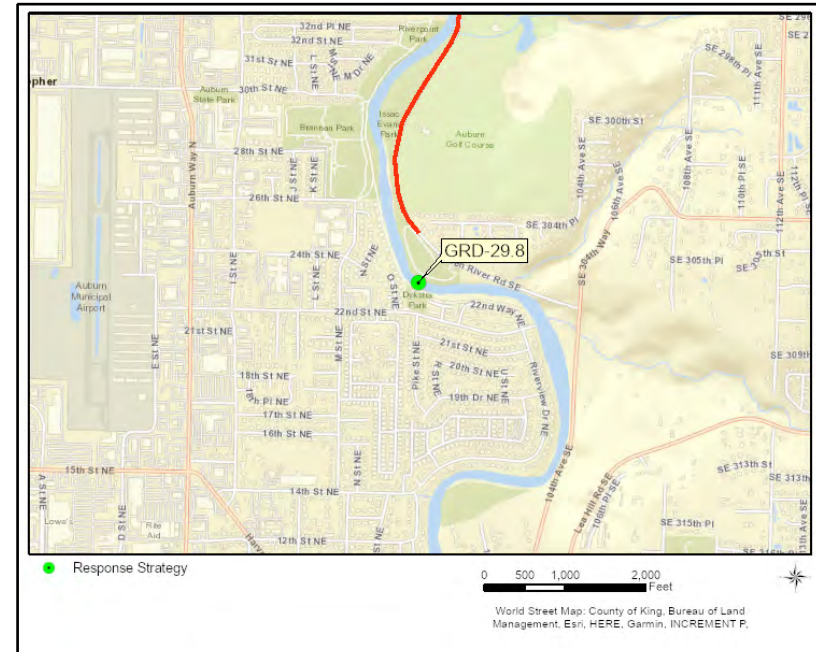
GRD-29.8 Photo: From Green River right, looking SW underneath pedestrian bridge.

Site Contact

City of Auburn Maintenance and Operations
Municipality (County/City) : 24 hour contact
910 9TH ST SE
Auburn, WA 98002
253-876-1985

Nearest Address

30200 Green River Rd SE
Auburn, WA 98092



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Seattle head south on I-5 S
2. Take exit 149 on the right to WA-516 toward Kent / Des Moines
3. Keep left at the fork to WA-516 E toward Kent
4. At the traffic light, turn left on S Kent des Moines Rd (WA-516)
5. At the traffic light, continue forward on W Willis St (WA-516)
6. Bear right to W Willis St (WA-516)
7. At the roundabout, take the second exit onto W Willis St (WA-516)
8. At the traffic light, turn right on Central Ave S (E Valley Hwy)
9. At the traffic light, turn left on S 259th St
10. Turn right on Green River Rd
11. Finish at parking area near 30200 Green River Rd SE, 98092, on the right.

North Green River Park Roadside

GRD-30.5

Position - Location: 47° 19.261', -122° 12.208' 47° 19' 15.7", -122° 12' 12.5" 47.32102, -122.20346 Auburn

Strategy Objective: Collection : Collect oil moving downstream on the Green River.

Implementation: Secure 400 ft boom to shore near point C. Use hand-launch workboat to extend the boom to the left bank. Secure to shore near point A. From point C, pull boom downstream along the shoreline to form a collection pocket. Secure to shore near point B. Position vac truck on the road shoulder parking area for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Onsite: Stage equipment and launch boat from gravel parking area.

Site Safety: Traffic; Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation

Field Notes: Follow WSDOT work zone traffic control guidelines when working on or near roadway. Left bank accessible from 1610 Riverview Dr. NE, Auburn (gated property owned by King County). Access right bank from 104 Ave SE, Auburn.

Watercourse: River - Below a Dam - Green River

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



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
1 Each	Bolt Cutters
400 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

North Green River Park Roadside

GRD-30.5



GRD-30.5 Photo: Looking upstream on the Green River from the shoulder parking area off 104th Ave SE in Auburn.

Site Contact

King County Parks and Recreation

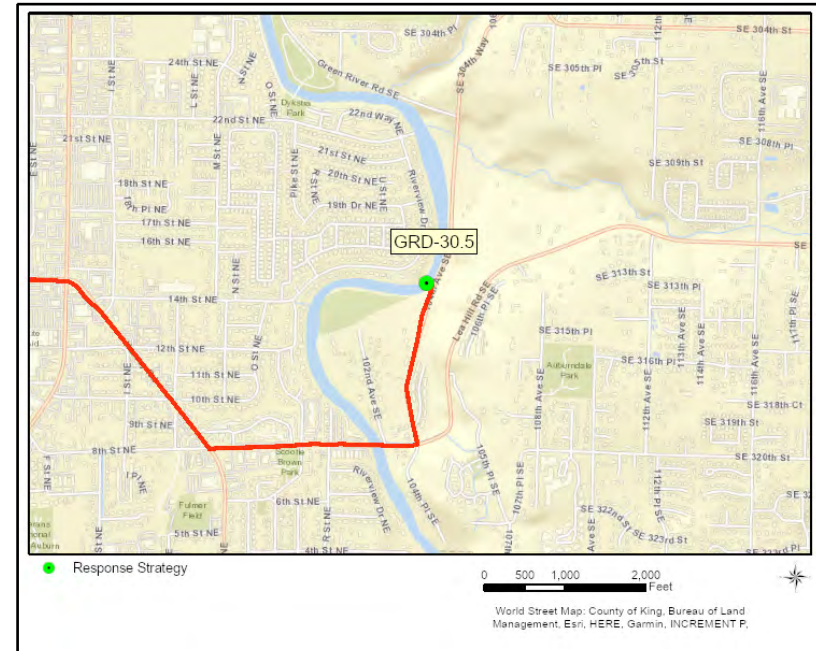
Land/Property Contact :
206-296-8100

City of Auburn Parks, Arts and Recreation Department

Land/Property Owner : Parks Administration
253-931-3043

Nearest Address

31533 104th AVE SE
Auburn, WA 98092



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Kent, go south on WA-167 S
2. Take the exit on the right to 15th St NW
3. At the traffic light, turn left on 15th St NW
4. Keep right at the fork onto 15th St NW
5. At the traffic light, continue forward on Harvey Rd NE
6. At the traffic light, bear left on 8th St NE
7. Continue forward on SE 320th St
8. Continue forward on Lea Hill Rd SE
9. At the traffic light, turn left on 104th Ave SE
10. 5. Go past 31533 104th Ave SE, 98092, another 0.1 miles to parking area along river on left.

North Green River Park

GRD-30.6

Position - Location: 47° 19.246', -122° 12.304' 47° 19' 14.7", -122° 12' 18.3" 47.32076, -122.20507 Auburn

Strategy Objective: Collection : Collect oil moving downstream on the Green River.

Implementation: Secure 500 ft boom to shore near point C. Use hand-launch workboat to extend the boom to the left bank. Secure to shore near point A. From point C, pull boom downstream along the shoreline to form a collection pocket. Secure to shore near point B. Position vac truck near the beach for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

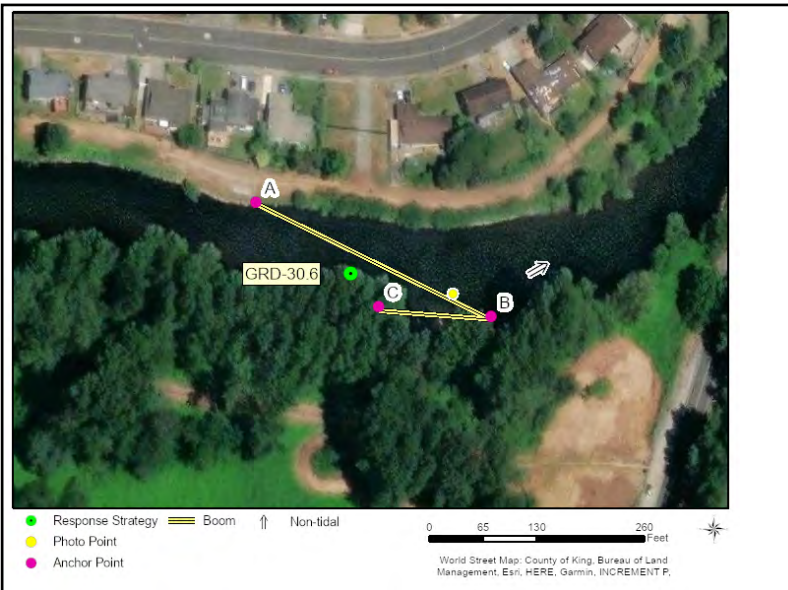
Staging Area: Onsite: Cut bollards at Garden/102 Ave SE dead-end to access beach. North bank trail access off Riverview Dr.

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation

Field Notes: Left bank accessible from 1610 Riverview Dr. NE, Auburn. This gated property is owned by King County.

Watercourse: River - Below a Dam - Green River

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



Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
1 Each	Bolt Cutters
500 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

North Green River Park

GRD-30.6



GRD-30.6 Photo: Looking upstream from a sandy beach on the Green River at 104th Ave SE in Auburn.

Site Contact

King County Parks and Recreation

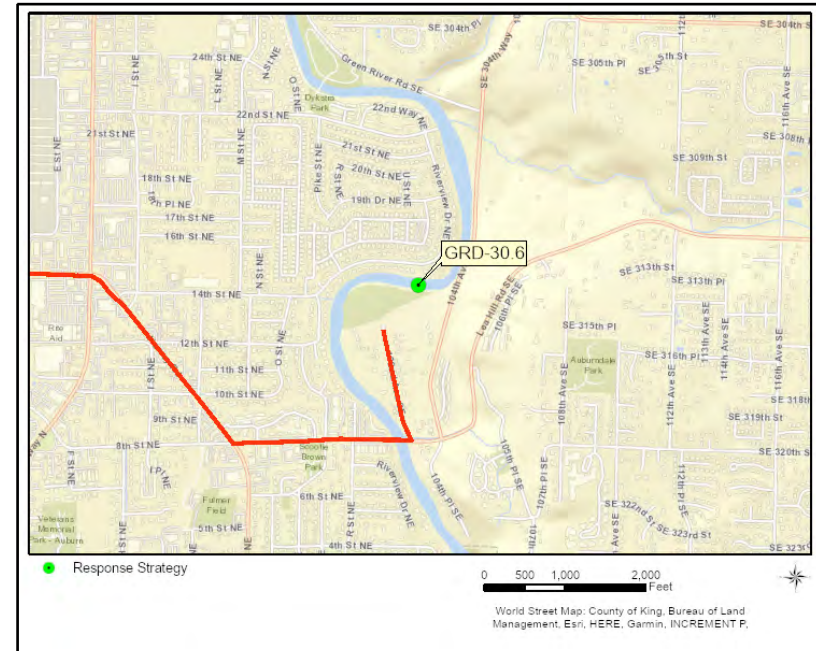
Land/Property Contact :
206-296-8100

City of Auburn Parks, Arts and Recreation Department

Land/Property Owner : Parks Administration
253-931-3043

Nearest Address

31515 Garden Ave
Auburn, WA 98092



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Kent, go south on State Route 167 (WA-167 S)
2. Take the exit on the right to 15th St NW
3. At the traffic light, turn left on 15th St NW
4. Keep right at the fork onto 15th St NE
5. At the traffic light, continue forward on Harvey Rd NE
6. At the traffic light, bear left on 8th St NE
7. Continue forward on SE 320th St
8. Make a sharp left on 102nd Ave SE (Garden Ave)
9. Go past 31515 Garden Ave, 98092, on the left to the dead-end.
10. Cut bollards. Beach is about 0.2 miles down trail.

Fenster Nature Park

GRD-32.2

Position - Location: 47° 18.254', -122° 11.851' 47° 18' 15.2", -122° 11' 51.0" 47.30423, -122.19751 Auburn

Strategy Objective: Collection : Collect oil moving downstream on Green/Duamish.

Implementation: Secure 400 ft boom to shore near point C. Use hand-launch workboat to extend boom to opposite bank. Use winch if necessary. Secure to shore near point A. From point C, pull boom downstream along the shoreline to form a collection pocket. Secure to shore near point B. Position vac truck near the beach for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Onsite: Cut bollards. 10K lb limit on steel plate on access rd close to site. Can trailer hand-launch boat to bank.

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Overgrown Vegetation

Field Notes: Homeless encampments in this area. Site floods in high water. Max 10K lbs on access road - steel plate.

Watercourse: River - Below a Dam - Green River

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



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
1 Each	Bolt Cutters
400 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Vac Truck or Skimmer and Storage
1 Each	Winch - Power Winch
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Fenster Nature Park

GRD-32.2



GRD-32.2 Photo: Looking upstream from the outside riverbend at Fenster Nature Park.

Site Contact

King County Parks and Recreation

Primary Contact :
206-296-8100

City of Auburn Maintenance and Operations

Secondary Contact : 24 hour contact
253-876-1985

Nearest Address

2022 4th St SE
Auburn, WA 98002



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Kent, go south on WA-167 S
2. Take the exit on the right to 15th St NW
3. At the traffic light, turn left on 15th St NW
4. Keep right at the fork onto 15th St NW
5. At the traffic light, continue forward on Harvey Rd NE
6. At the traffic light, bear left on 8th St NE
8. At the traffic light, turn right on R St NE
9. Continue forward on SE Auburn Black Diamond Rd
10. Turn left on T St SE
11. Turn right on 4th St SE
12. Finish at 2022 4th St SE, 98002, where the road dead ends.
13. Go through gate and follow access road to strategy site.

Porter Levee Natural Area Boat Launch

GRD-33.8

Position - Location: 47° 18.077', -122° 10.481' 47° 18' 4.6", -122° 10' 28.9" 47.30128, -122.17469 Auburn

Strategy Objective: Collection : Collect oil moving downstream on Green River.

Implementation: Use workboat to transport 300 ft section of boom upstream. Secure to shore near point A. Extend boom downstream and anchor at top of sandbar near point B. Near boat launch, secure 600 ft section of boom to shore near point E. Use workboat or waders to extend boom upstream. Secure to sandbar near point C. From point E, extend boom downstream to form a collection pocket. Secure to shore near point D. Adjust boom and use additional anchors as necessary to ensure oil moves around sandbars to the collection area. Position vac truck on boat launch ramp for collection at point D.

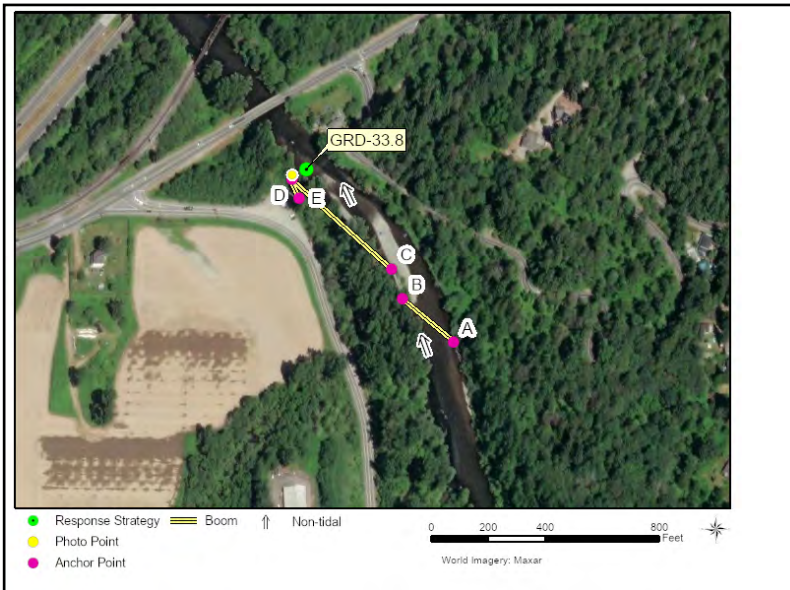
Staging Area: Onsite: Stage equipment in boat launch parking area.

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation; Boat Traffic; Vehicle Traffic

Field Notes: Deploy as single boom section if sandbars are submerged. Log jam 1/2 mile downstream.

Watercourse: River - Below a Dam - Green River

Resources at Risk: Habitat Restoration Site, Resident Fish, Salmonids



Recommended Equipment

8 Each	Anchoring System(s) - (anchor, lines, floats)
3 Feet	Anchoring System(s)- Shoreside
900 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Vac Truck or Skimmer and Storage
1 Each	Waders
1 Feet	Workboat(s) - shallow-water

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Porter Levee Natural Area Boat Launch

GRD-33.8



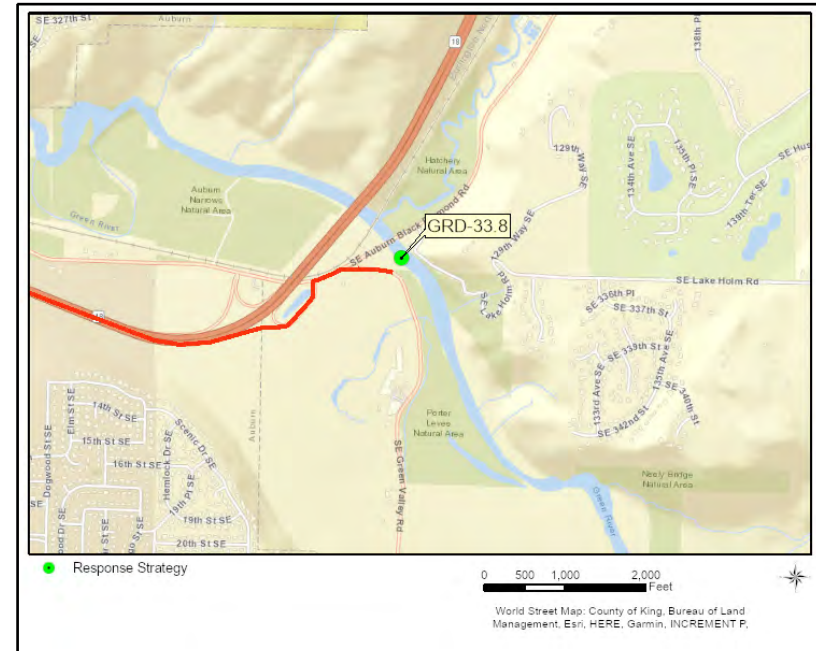
GRD-33.8 Photo: Looking upstream from the Porter Levee Boat Launch ramp on the Green River in Auburn.

Site Contact

No Information
Not Determined :

Nearest Address

12334 SE Green Valley Rd
Auburn, WA 98092



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Kent, go south on WA-167 S
2. Take the exit on the right to merge onto WA18 E toward Auburn
3. Take the exit on the left to merge onto State Highway18 (WA-18 E)
4. Take the exit on the right to Auburn-Black Diamond Rd
5. At the stop sign, turn right on SE Auburn Black Diamond Rd
6. Bear right to SE Green Valley Rd
7. Finish at the boat launch parking area on the left.

Whitney Bridge

GRD-41.5

Position - Location: 47° 16.921', -122° 3.226' 47° 16' 55.2", -122° 3' 13.5" 47.28201, -122.05376 Auburn

Strategy Objective: Collection : Collect oil moving downstream on the Green River.

Implementation: Secure 500 ft boom to shore near point C. Use workboat to extend boom to opposite bank. Use winch if necessary. Secure to shore near point A. From point C, pull boom downstream along the shoreline to form a collection pocket. Secure to shore near point B. Position vac truck on the boat launch ramp for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

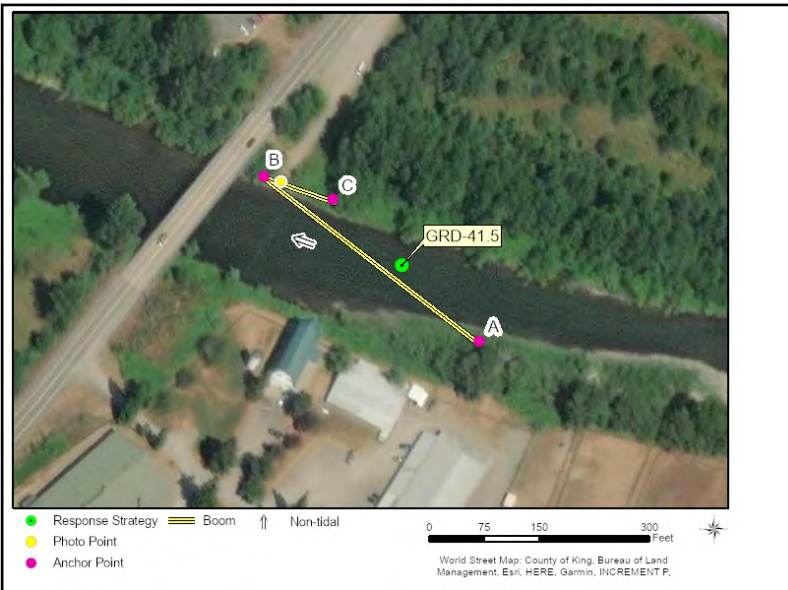
Staging Area: Onsite: Large gravel parking lot and boat launch ramp. Parking area on NW side of road has portable restroom and parking.

Site Safety: Traffic; Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Boat Traffic

Field Notes: Popular boat launch for hand launch watercrafts and other recreational users. In low water, motorized boat may not be an option. Large cobbles bankside in low water. Pilings on river left may be hidden in high water.

Watercourse: River - Below a Dam - Green River

Resources at Risk: Habitat Restoration Site, Resident Fish, Riparian Habitat, Salmonids, Wetlands



Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
500 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

1	Boat Operator
3	Laborer
1	Supervisor

Whitney Bridge

GRD-41.5



GRD-41.5 Photo: Looking upstream from the Whitney Bridge boat launch ramp.

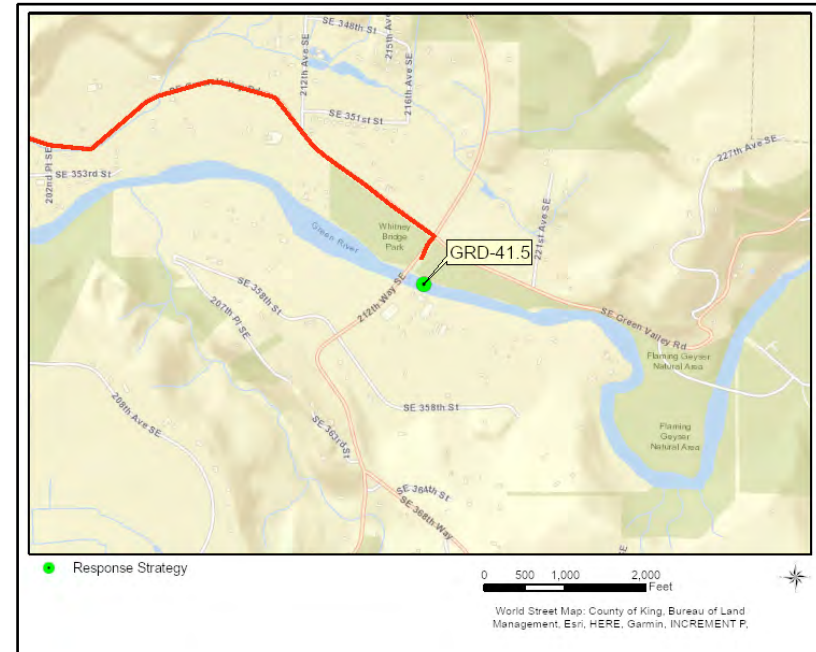
Site Contact

King County Parks and Recreation

Land/Property Owner :
201 S. Jackson Street, # 700
Seattle, WA 98104
206-296-8100

Nearest Address

SE Green Valley Rd & 218th Ave SE
Auburn, WA 98092



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Seattle, go south on I-5 S
2. Take exit 142A on the right to merge onto WA-18 E toward Auburn
3. Take the exit on the right to Auburn-Black Diamond Rd
4. At the stop sign, turn right on SE Auburn Black Diamond Rd (Auburn-Black Diamond Rd)
5. Bear right to SE Green Valley Rd
6. Continue forward on SE Green Valley Rd
7. At the stop sign, turn right on 212th Ave SE
8. Continue forward on 212th Way SE
9. Finish at the gravel parking area just before the Whitney Bridge on the left35628 212th Way SE, 98092, on the left

Flaming Geyser State Park

GRD-44.3

Position - Location: 47° 16.420', -122° 1.408' 47° 16' 25.2", -122° 1' 24.5" 47.27367, -122.02347 Auburn

Strategy Objective: Collection : Collect oil moving downstream on Green/Duwamish.

Implementation: Secure 500 ft boom to shore near point C. Use hand-launch workboat to extend boom to opposite bank. Use winch if necessary. Secure to shore near point A. From point C, pull boom downstream along the shoreline to form a collection pocket. Secure to shore near point B. Position vac truck on the shoreline for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

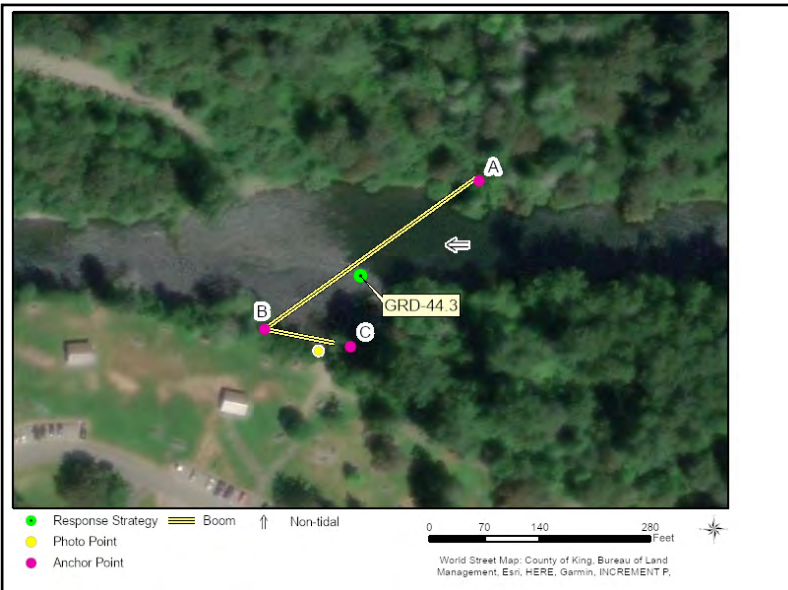
Staging Area: Onsite: Flush restrooms, covered pavilions, water and power. Coordinate with rangers.

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Overgrown Vegetation; Boat Traffic

Field Notes: Fast shallow water and rapids in rainy season. Vegetation and blackberry brambles on bank. Submerged trees/snags in waterway. Winch and line may be needed to deploy in low flow conditions. Park is popular with kayakers, rafters, and floaters. Boaters in Gorge may exit

Watercourse: River - Below a Dam - Green River

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



Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
500 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

1	Boat Operator
3	Laborer
1	Supervisor

Flaming Geyser State Park

GRD-44.3



GRD-44.3 Photo: Looking upstream from the water access area at Flaming Geyser State Park.

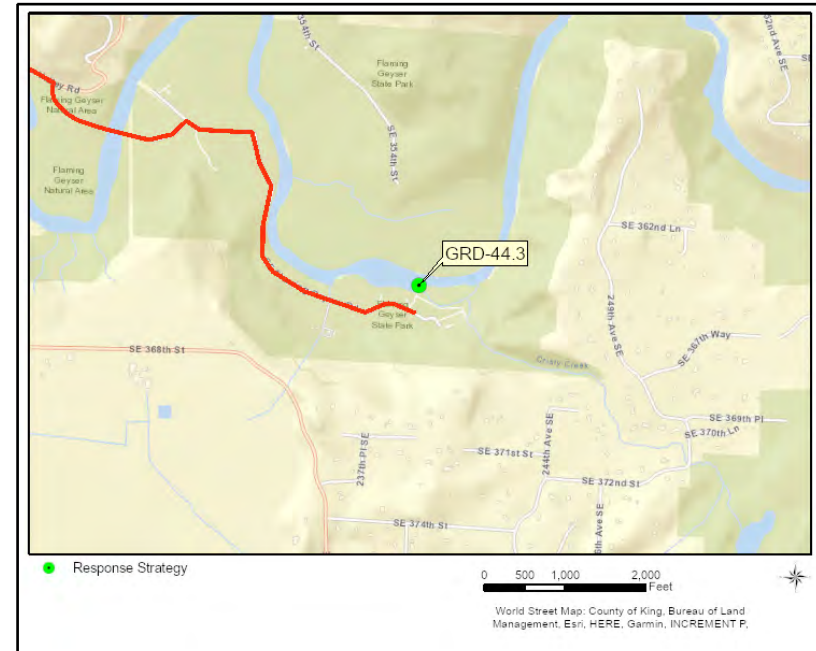
Site Contact

Washington State Parks and Recreation Commission

Land/Property Contact : Tahoma Gateway
23700 SE Flaming Geyser Rd
Auburn, WA 98092
360-902-8844

Nearest Address

23898 SE Flaming Geyser Rd
Auburn, WA 98092



Driving Directions

DIRECTIONS TO STRATEGY

1. From I-5 in Seattle, head south towards exit 149.
2. At exit 149 bear right onto ramp to WA-516 toward Kent/Des Moines (0.26 miles)
3. Turn left on WA-516 (S Kent Des Moines Rd) (8.94 miles)
4. Turn right on 152nd Ave SE (0.76 miles)
5. Continue on Kent Black Diamond Rd SE (3.18 miles)
6. Continue on SE Auburn Black Diamond Rd (2.75 miles)
7. Turn right on 218th Ave SE (1.37 miles)
8. Turn left on SE Green Valley Rd (0.59 miles)
9. Turn right on SE Flaming Geyser Rd (0.21 miles)
10. Follow road to office and parking area at end.

Kanaskat-Palmer State Park Group Camp

GRD-57.0

Position - Location: 47° 19.106', -121° 53.790' 47° 19' 6.4", -121° 53' 47.4" 47.31844, -121.89650 Ravensdale

Strategy Objective: Collection : Collect oil moving downstream on the Green River.

Implementation: Secure 400 ft boom to shore near point C. Use workboat to extend boom to opposite bank. Use winch if necessary. Secure to shore near point A. From point C, pull boom downstream along the shoreline to form a collection pocket. Secure to shore near point B. Position vac truck near the shoreline for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Onsite: Group camp has parking, flush toilets, water. Hand-carry or ATV 250 ft trail to site with logs/stairs.

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation; Boat Traffic

Field Notes: Class IV and V rapids just downstream, then 5 miles of gorge. Unpaved trail, 250 ft unpaved trail from staging area to shoreline. Use temporary storage if necessary.

Watercourse: River - Below a Dam - Green River

Resources at Risk: Fish Hatchery, Resident Fish, Riparian Habitat, Salmonids, State Park, Water Intakes, Waterfowl, Wetlands



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B3 (River Boom) or equivalent
500 Feet	Line - 3/8" poly line
1 Each	Skimmer (appropriately sized) with Portable Storage
1 Each	Winch - Power Winch
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1 Boat Operator
3 Laborer
1 Supervisor



GRD-57.0 Photo: Looking upstream on the Green River from end of trail to beach.

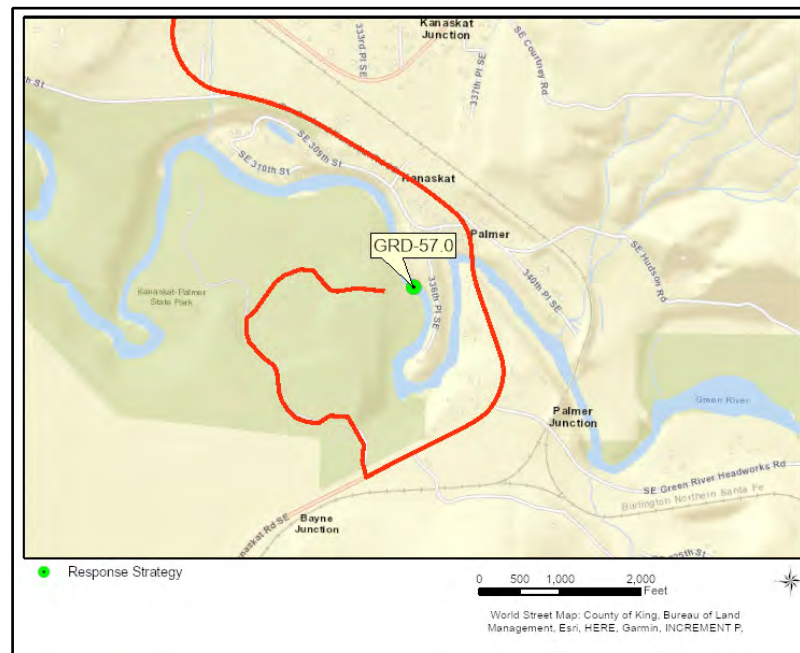
Site Contact

Washington State Parks and Recreation Commission

Primary Contact : Tahoma Gateway
23700 SE Flaming Geyser Rd
Auburn, WA 98092
360-902-8844

Nearest Address

32130 Cumberland Kanaskat Rd SE
Ravensdale, WA 98051



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From I-5 in Seattle, head south towards exit 154A.
2. At exit 154A take ramp on the left and go on I-405 N toward Renton
3. At exit 4 take ramp on the right to WA-169 S toward Bronson Way/W/Maple Valley/Enumclaw
4. Take ramp to WA-169 S toward Maple Valley/Enumclaw
5. Bear right on WA-169 (Maple Valley Hwy)
6. Turn left on SE Kent Kangley Rd
7. Turn right on Retreat-Kanaskat Rd SE (Retreat Kanasket Rd SE)
8. Bear right
9. Bear right on Cumberland Kanaskat Rd SE (Cumberland Kanasket Rd SE)
10. Turn right into Kanaskat-Palmer State Park.
11. Take the first right towards Group Camp.
12. Park and stage at group camp parking area.

Sandy Beach

GRD-59.1

Position - Location:	47° 18.802', -121° 52.205'	47° 18' 48.1", -121° 52' 12.3"	47.31337, -121.87008	Ravensdale
Strategy Objective:	Collection : Collect oil moving downstream on the Green River.			
Implementation:	Secure 300 ft boom to shore near point C. Use hand launch workboat to extend boom to opposite bank. Secure to shore near point A. From point C, pull boom downstream to form a collection pocket at point B. Secure to shore at point B. Position vac truck on gravel parking area above trail to point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.			
Staging Area:	Onsite: Stage equipment on-site or at Headworks gate/			
Site Safety:	Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation			
Field Notes:	Area is popular with recreational users. Swift water upstream and downstream. Hand-launch boat from bank. Short footpath from road. Potential emergency access to north bank from private property at end of SE Hudson Rd.			
Watercourse:	River - Below a Dam - Green River			
Resources at Risk:	Fish Hatchery, Resident Fish, Salmonids, Waterfowl, Wetlands			



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
3	Each	Anchoring System(s)- Shoreside
300	Feet	Boom - B3 (River Boom) or equivalent
1	Each	Vac Truck or Skimmer and Storage
1	Each	Winch - Power Winch
1	Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor



GRD-59.1 Photo: Looking upstream from the Sandy Beach shoreline on the Green River.

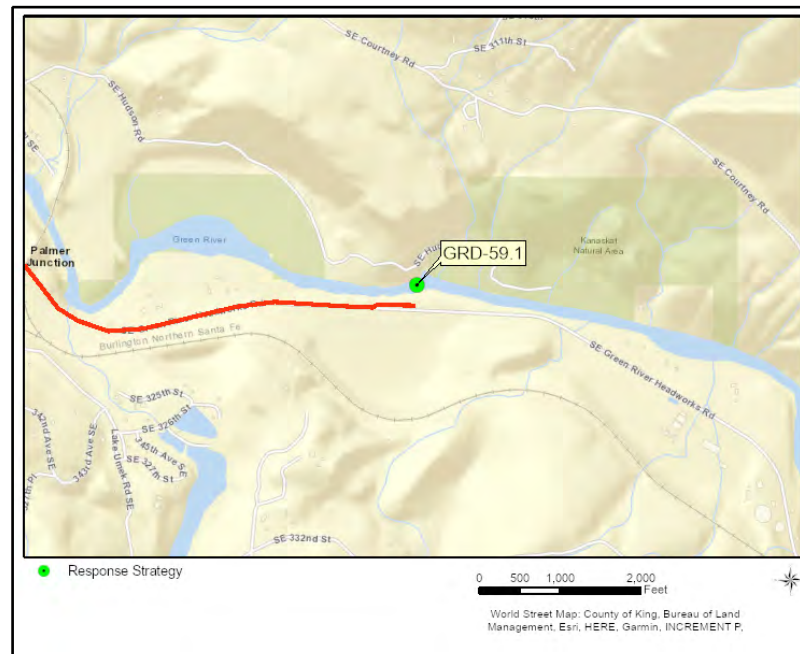
Site Contact

Tacoma Water

Emergency Contact : Green River Water Treatment Facility
36932 SE Green River Headworks Rd
Ravensdale, WA 98051
253-502-8346

Nearest Address

34988 SE Green River Headworks Rd
Ravensdale, WA 98051



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Ravensdale, go east on SE Kent Kangley Rd
2. Keep right to Retreat Kanaskat Rd SE
3. Bear right to Cumberland Kanaskat Rd SE
4. Make a sharp left on SE Green River Headworks Rd
5. Turn left into gravel parking area. Trail to beach is at the end of the parking area.

Green River at Rock Berm

GRD-60.2

Position - Location: 47° 18.457', -121° 51.038' 47° 18' 27.4", -121° 51' 2.3" 47.30761, -121.85064 Ravensdale

Strategy Objective: Collection : Collect oil mking downstream on the Green River.

Implementation: Secure 500 ft boom to shore near point C. Use hand launch workboat to extend boom to opposite bank. Secure to shore near point A. From point C, pull boom downstream to form a collection pocket at point B. Secure to shore at point B. Position vac truck on for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Remote: There is a gravel boat launch at the strategy location. BNSF equipment cache at filtration facility.

Site Safety: Slips, Trips, Falls; Water Hazard; Steep Banks; Uneven Terrain;

Field Notes: Call Tacoma Water before deployment. Tacoma Water staff will provide access to strategy site. All equipment should be examined by Tacoma Water for contaminants and invasive species prior to deploying.

Watercourse: River - Below a Dam - Green River

Resources at Risk: Resident Fish, Salmonids, Waterfowl



Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor



GRD-60.2 Photo: Looking upriver from the rock berm near the Tacoma Water Filtration Plant on the Green River.

Site Contact

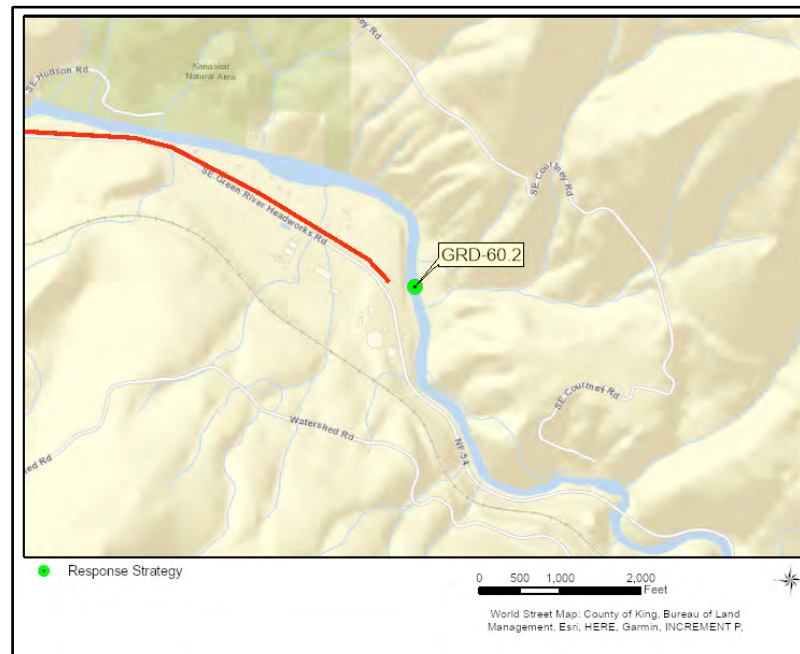
Tacoma Water Headworks Security Gate

Pre-Notification Required : Green River Water Treatment Facility

36261 SE Green River Headworks Rd
Ravensdale, WA 98051
253-502-8697

Nearest Address

36932 SE Green River Headworks Rd
Ravensdale, WA 98051



Driving Directions

DIRECTIONS TO STAGING AREA

1. From Ravensdale, go east on SE Kent Kangley Rd
2. Keep right to Retreat Kanaskat Rd SE
3. Bear right to Cumberland Kanaskat Rd SE
4. Make a sharp left on SE Green River Headworks Rd
5. Finish at the gate at 36261 SE Green River Headworks Rd, 98051.
6. Check in at guard station and get escort to site.

Green River at Bridge 71

GRD-68.4

Position - Location: 47° 14.573', -121° 43.682' 47° 14' 34.4", -121° 43' 40.9" 47.24288, -121.72803 Ravensdale

Strategy Objective: Collection : Collect oil moving downstream on Green River

Implementation: Secure 500 ft boom to shore near point C. Use bridge to access left bank. Use line throwing device to extend boom to opposite bank. Secure to shore near point A. From point C, pull boom downstream to form a collection pocket at point B. Secure to shore at point B. Position vac truck on access road under bridge for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Remote: Tacoma Water staff will provide an escort to strategy site. Stage at Headworks Gate, SA-GRD-59.7.

Site Safety: Slips, Trips, Falls; Water Hazard; Steep Banks; Seasonal Deep Snow; Log Jam Area

Field Notes: Call BNSF and Tacoma Water before deployment. All equipment should be examined by Tacoma Water for contaminants and invasive species prior to deploying. Avoid logs and woody debris when positioning boom. BNSF equipment cache at filtration facility.

Watercourse: River - Above a Dam - Green River

Resources at Risk: Public Health and Safety, Raptors, Resident Fish, Salmonids, Water Intakes, Waterfowl, Wetlands



Recommended Equipment

3	Each	Anchoring System(s) - (anchor, lines, floats)
3	Each	Anchoring System(s)- Shoreside
500	Feet	Boom - B3 (River Boom) or equivalent
400	Feet	Line - 1/2" poly line
1	Each	Line throwing gun(s) or device(s)
1	Each	Vac Truck or Skimmer and Storage

Recommended Personnel

3	Laborer
1	Supervisor



GRD-68.4 Photo: Looking upstream from under the NF-54 bridge just upstream from the Hanson Dam Reservoir.

Site Contact

Tacoma Water

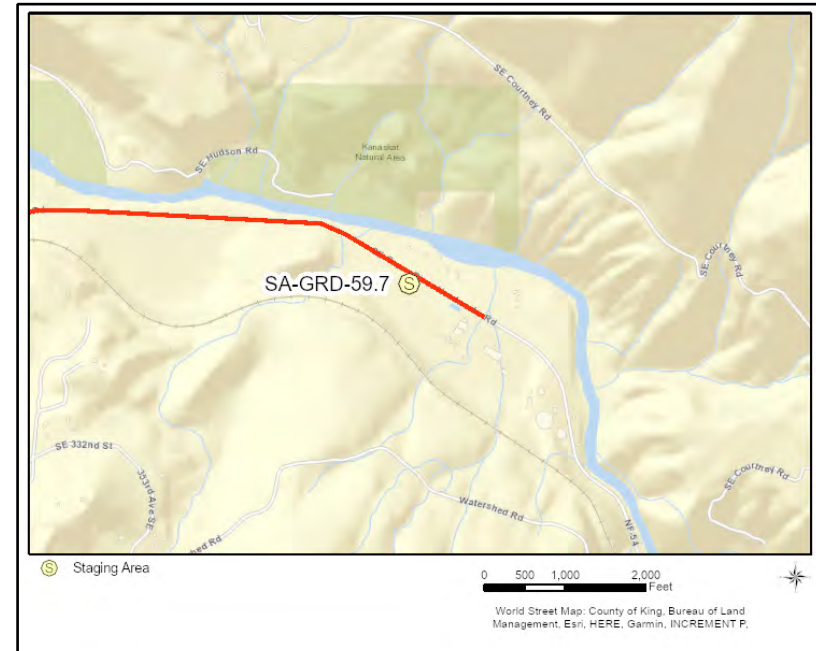
Pre-Notification Required : Green River Water Treatment Facility
253-502-8346

BNSF Railway

Pre-Notification Required : Service Interruption Desk
817-352-2832

Nearest Address

36261 SE Green River Headworks Rd
Ravensdale, WA 98051



Driving Directions

DIRECTIONS TO STAGING AREA

1. From Ravensdale, go east on SE Kent Kangley Rd
2. Keep right to Retreat Kanaskat Rd SE
3. Bear right to Cumberland Kanaskat Rd SE
4. Make a sharp left on SE Green River Headworks Rd
5. Finish at the gate at 36261 SE Green River Headworks Rd, 98051.
6. Check in at guard station and get escort to site.

Green River at Nagrom (BNSF 64.5)

GRD-76.5

Position - Location:	47° 13.124', -121° 35.208'	47° 13' 7.5", -121° 35' 12.5"	47.21874, -121.58680	Ravensdale
Strategy Objective:	Collection : Collect oil moving downstream on Green River			
Implementation:	Secure 400 ft boom to shore near point C. Use line throwing device to extend boom to opposite bank. Secure to shore near point A. From point C, pull boom downstream to form a collection pocket at point B. Secure to shore at point B. Position vac truck at road pull-off for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.			
Staging Area:	Remote: Stage equipment at Headworks Gate. Tacoma Water staff will provide an escort to strategy site.			
Site Safety:	Active Rail Line; Slips, Trips, Falls; Water Hazard; Uneven Terrain			
Field Notes:	Call BNSF and Tacoma Water before deployment. All equipment should be examined by Tacoma Water for contaminants and invasive species prior to deploying. Left bank accessible by one mile walk on tracks from downstream bridge or use hand-launch workboat.			
Watercourse:	River - Above a Dam - Green River			
Resources at Risk:	Raptors, Resident Fish, Salmonids, Water Intakes, Waterfowl, Wetlands			



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B3 (River Boom) or equivalent
500 Feet	Line - 1/2" poly line
1 Each	Line throwing gun(s) or device(s)
1 Each	Vac Truck or Skimmer and Storage
1 Each	Winch - Power Winch

Recommended Personnel

2 Laborer
1 Supervisor



GRD-76.5 Photo: Taken from the rip-rap along NF-54 looking upstream.

Site Contact

Tacoma Water

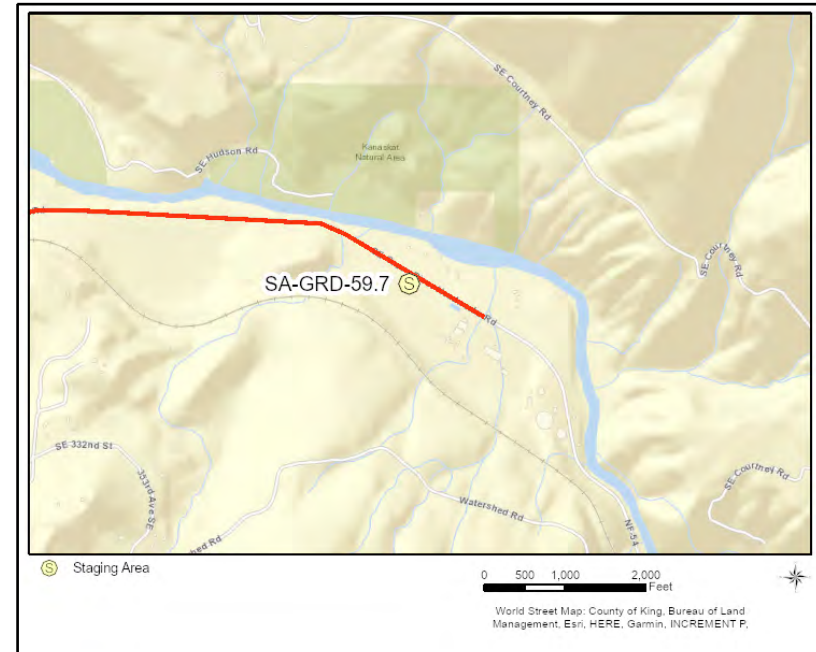
Pre-Notification Required : Green River Water Treatment Facility
253-502-8346

BNSF Railway

Pre-Notification Required : Service Interruption Desk
817-352-2832

Nearest Address

36261 SE Green River Headworks Rd
Ravensdale, WA 98051



Driving Directions

DIRECTIONS TO STAGING AREA

1. From Ravensdale, go east on SE Kent Kangley Rd
2. Keep right to Retreat Kanaskat Rd SE
3. Bear right to Cumberland Kanaskat Rd SE
4. Make a sharp left on SE Green River Headworks Rd
5. Finish at the gate at 36261 SE Green River Headworks Rd, 98051.
6. Check in at guard station and get escort to site.

Green River at W Lester Bridge (BNSF 60.5)

GRD-80.9

Position - Location: 47° 12.355', -121° 30.805' 47° 12' 21.3", -121° 30' 48.3" 47.20592, -121.51341 Ravensdale

Strategy Objective: Collection : Collect oil moving downstream on Green River

Implementation: Secure 400 ft boom to shore near point C. Use bridge to extend boom to opposite bank. Secure to shore near point A. From point C, pull boom downstream to form a collection pocket at point B. Secure to shore at point B. Position vac truck next to railway for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Remote: Stage at Headworks Gate. BNSF equipment cache at filtration facility. Access road to bridge is on river right.

Site Safety: Active Rail Line; Slips, Trips, Falls; Water Hazard; Steep Banks, Uneven Terrain

Field Notes: Call BNSF and Tacoma Water before deployment. Tacoma Water staff will provide access and an escort to strategy site. All equipment should be examined by Tacoma Water for contaminants and invasive species prior to deploying.

Watercourse: River - Above a Dam - Green River

Resources at Risk: Public Health and Safety, Raptors, Resident Fish, Salmonids, Water Intakes, Waterfowl, Wetlands



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B3 (River Boom) or equivalent
800 Feet	Line - 1/2" poly line
1 Each	Vac Truck or Skimmer and Storage

Recommended Personnel

2 Laborer
1 Supervisor



GRD-80.9 Photo: The Green River taken from the BNSF railway bridge at Lester.

Site Contact

Tacoma Water

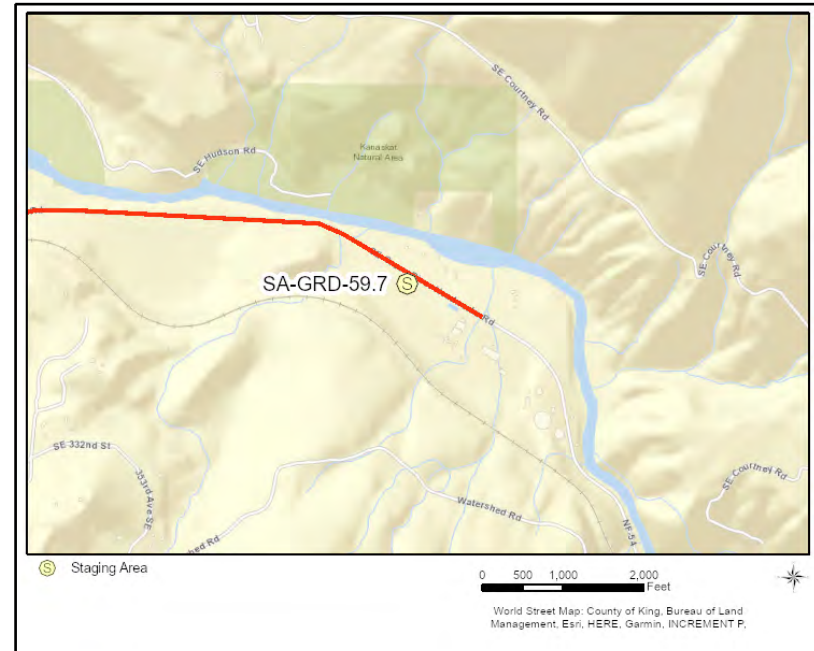
Pre-Notification Required : Green River Water Treatment Facility
253-502-8346

BNSF Railway

Pre-Notification Required : Service Interruption Desk
817-352-2832

Nearest Address

36261 SE Green River Headworks Rd
Ravensdale, WA 98051



Driving Directions

DIRECTIONS TO STAGING AREA

1. From Ravensdale, go east on SE Kent Kangley Rd
2. Keep right to Retreat Kanaskat Rd SE
3. Bear right to Cumberland Kanaskat Rd SE
4. Make a sharp left on SE Green River Headworks Rd
5. Finish at the gate at 36261 SE Green River Headworks Rd, 98051.
6. Check in at guard station and get escort to site.
7. From staging area, follow signage to Lester
8. Site is at railroad bridge, road on northern side of river. Drive time from gate ~1 hour 20 minutes.

Mill Creek Carpinito Brothers Corn Maze

MILL-1.6

Position - Location: 47° 21.338', -122° 14.897' 47° 21' 20.3", -122° 14' 53.8" 47.35563, -122.24829 Kent

Strategy Objective: Collection : Remove product from Mill Creek between Highway 167 and S 277th St

Implementation: Place boom upstream of bridge for initial containment. Use sandbags with PVC to create an underflow dam. The creek is approximately 5' in width but will vary seasonally. Responders must receive Emergency Hydraulic Project Approval (HPA) permit from WDFW prior to using culvert blocks and underflow dams; call WDFW duty pager.

Staging Area: Onsite: Large parking area immediately adjacent. Some facilities across street at offices.

Site Safety: Slips, Trips, Falls; Water Hazard; Uneven Terrain.

Field Notes: Pumpkin patch open late September through October. Large parking lot leads to footbridge. Vegetation cleared seasonally.

Watercourse: Creek - Mill Creek

Resources at Risk: Habitat Restoration Site, Resident Fish, Salmonids, Waterfowl, Wetlands



Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B3 (River Boom) or equivalent
	Assort	Equipment (shovels, pickaxes, tamper bars, sledge hammers)
	Assort	Fill material (sand, earth, gravel, sandbags)
10	Each	Pipe(s), PVC (8 inch x 8ft)
1	Roll	Plastic Sheeting
80	Each	Sandbag(s)
1	Each	Vac Truck or Skimmer and Storage

Recommended Personnel

3	Laborer
1	Supervisor

Mill Creek Carpinito Brothers Corn Maze

MILL-1.6



MILL-1.6 Photo: From parking lot, looking towards the footbridges over Mill Creek, just downstream of Hwy 167.

Site Contact

Carpinito Brothers, Inc.

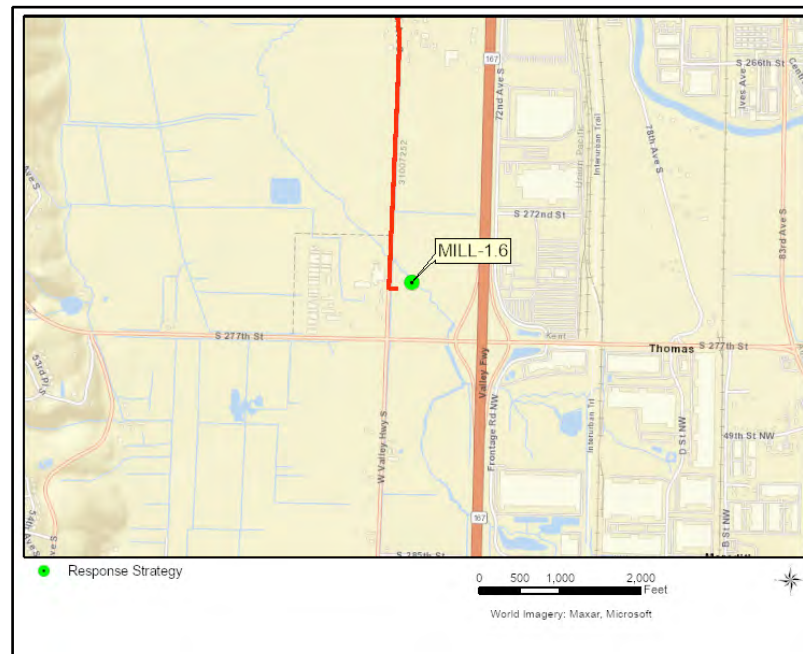
Private Owner : Owner
253-854-5692

WDFW Emergency Hydraulic Project Approval

Pre-Notification Required :
360-534-8233

Nearest Address

27528 68th Ave S
Kent, WA 98032



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From I-5 in Seattle, head south towards exit 149.
2. At exit 149 bear right onto ramp to WA-516 toward Kent/Des Moines
3. Turn left on WA-516 (S Kent Des Moines Rd)
4. Turn right on Washington Ave S (W Valley Hwy)
5. Continue on W Valley Hwy (68th Ave S)
6. Just before light at S 277th St, turn left into the even parking lot (may have to cut chains/ropes).
7. Stage in parking lot.

Newaukum Creek at 424th

NWKC-6.4

Position - Location: 47° 13.251', -122° 1.931' 47° 13' 15.1", -122° 1' 55.8" 47.22085, -122.03218 Enumclaw

Strategy Objective: Collection : Collect oil moving downstream on Newaukum Creek

Implementation: Secure 100 ft boom to shore near point C. Use bridge to extend boom to opposite bank. Secure to shore near point A. From point C, pull boom downstream to form a collection pocket at point B. Secure to shore at point B. Position vac truck on road above point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Onsite: Small space to pull off road; use nearby driveways/fields.

Site Safety: Traffic; Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation

Field Notes: Follow WSDOT work zone traffic control guidelines when working on or near roadway.

Watercourse: Creek - Newaukum Creek

Resources at Risk: Habitat Restoration Site, Resident Fish, Salmonids, Waterfowl, Wetlands



Recommended Equipment

3 Each	Anchoring System(s)- Shoreside
100 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Vac Truck or Skimmer and Storage

Recommended Personnel

2	Laborer
1	Supervisor

Newaukum Creek at 424th

NWKC-6.4



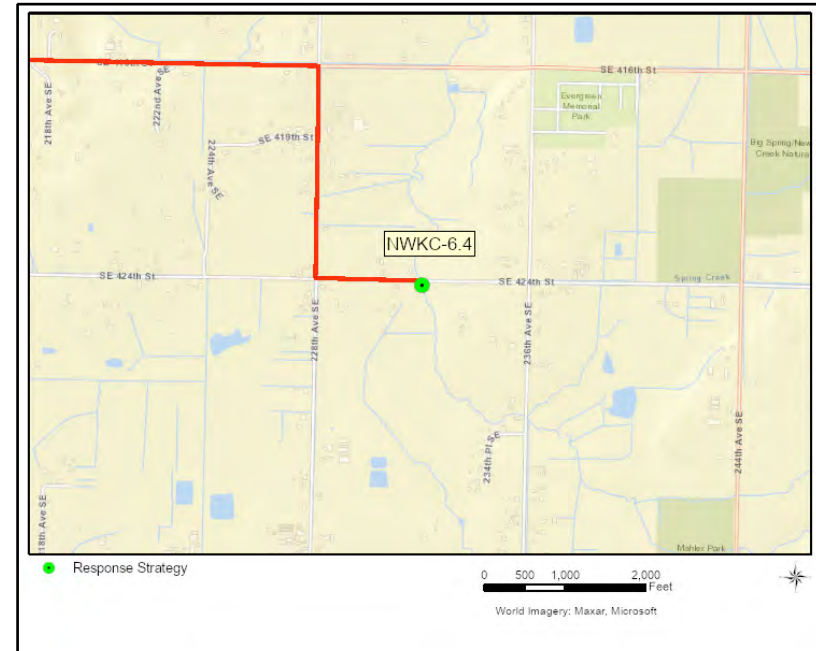
NWKC-6.4 Photo: Newaukum Creek looking upstream from the SE 424th St bridge.

Site Contact

No Information
Not Determined :

Nearest Address

23094 SE 424th St
Enumclaw, WA 98022



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Auburn, go south on State Route 167
3. Take the exit to merge onto WA-18 E toward Auburn
5. Take the exit on the right to WA-164 E / Auburn Wy toward Enumclaw
6. Keep left at the fork to merge onto 6th St SE
7. At the traffic light, make a sharp left on Auburn Way S
8. Continue forward on Auburn Enumclaw Rd SE
9. Turn left on SE 416th St
10. Turn right on 228th Ave SE
11. Turn left on SE 424th St
12. Follow 1/4 mile to bridge over creek

Newaukum Creek at 248th

NWKC-7.9

Position - Location: 47° 12.832', -122° .655' 47° 12' 49.9", -122° 0' 39.3" 47.21386, -122.01092 Enumclaw

Strategy Objective: Collection : Collect oil moving downstream on Newaukum Creek

Implementation: Secure 100 ft boom to shore near point C. Use bridge to extend boom to opposite bank. Secure to shore near point A. From point C, pull boom downstream to form a collection pocket at point B. Secure to shore at point B. Position vac truck on road above point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Onsite: Driveways/yards next to site. Partial shoulder. Quiet road.

Site Safety: Traffic; Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions

Field Notes: Follow WSDOT work zone traffic control guidelines when working on or near roadway.

Watercourse: Creek - Newaukum Creek

Resources at Risk: City Park, Habitat Restoration Site, Resident Fish, Salmonids, Waterfowl, Wetlands



Recommended Equipment

3 Each	Anchoring System(s)- Shoreside
100 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Vac Truck or Skimmer and Storage (if collection)

Recommended Personnel

2 Laborer
1 Supervisor

Newaukum Creek at 248th

NWKC-7.9



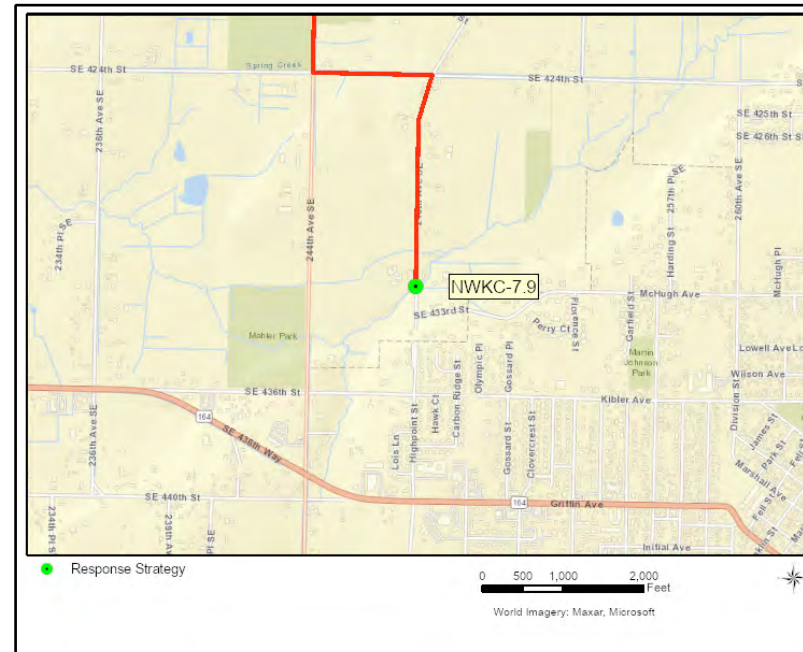
NWKC-7.9 Photo: From 248th Ave SE bridge looking SW upstream at Newaukum Creek. Taken early May, 18 cfs at Newaukum gage.

Site Contact

No Information
Not Determined :

Nearest Address

43109 248th Ave SE
Enumclaw, WA 98022



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Auburn, head east on WA-18 E toward Auburn
2. Take the exit on the right to WA-164 E / Auburn Wy toward Enumclaw
3. Keep left at the fork to merge onto 6th St SE
4. At the traffic light, make a sharp left on Auburn Way S
5. Continue forward on Auburn Enumclaw Rd SE
6. Turn left on SE 416th St
7. At the stop sign, turn right on 244th Ave SE
8. Turn left on SE 424th St
9. Make a sharp right on 248th Ave SE
10. Finish at 43109 248th Ave SE, 98022, at bridge.

Springbrook Creek at SW 7th St

SPBC-1.1

Position - Location: 47° 28.346', -122° 14.180' 47° 28' 20.7", -122° 14' 10.8" 47.47243, -122.23634 Renton

Strategy Objective: Collection : Remove product from Springbrook Creek.

Implementation: Secure 100 ft boom to shore near point A on the left bank. Walk line across bridge to pull boom into position on right bank. Secure to shore near point B. Position vac truck on bridge for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Onsite: Alert King County South Plant Main Control Center before arrival, use parking lot to stage.

Site Safety: Traffic; Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation

Field Notes: Alert King County South Plant Main Control Center before arrival to prevent security alert. Follow WSDOT work zone traffic control guidelines when working on or near roadway.

Watercourse: Creek - Springbrook Creek

Resources at Risk: Estuary Resources, Herons, Raptors, Resident Fish, Salmonids, Water Intakes, Wetlands



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
3	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
1	Each	Waders

Recommended Personnel

2	Laborer
1	Supervisor



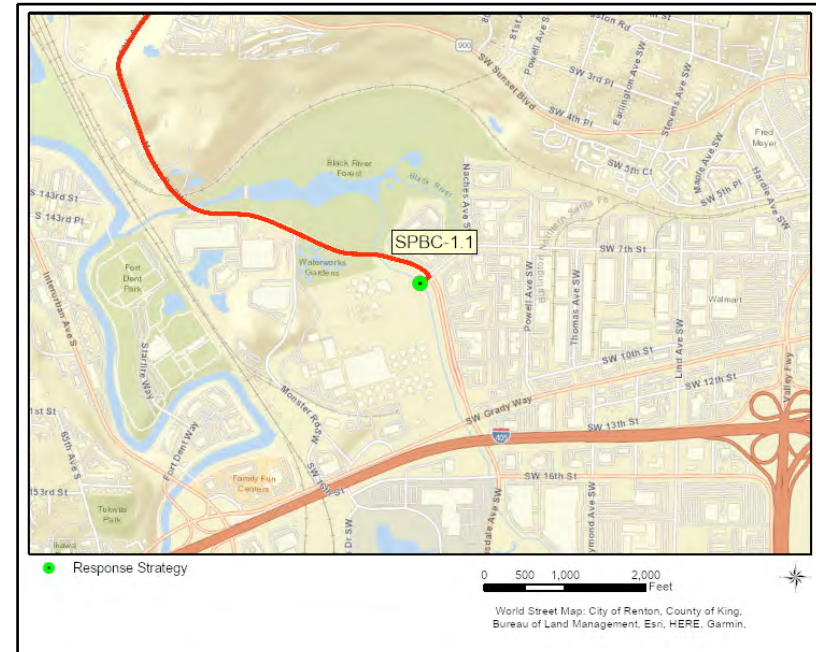
SPBC-1.1 Photo: From riverbank beneath bridge, looking towards deployed strategy with skimmer in collection pocket.

Site Contact

King County Wastewater South Plant Main Control Center
 Land/Property Owner : Emergency contact
 1200 Monster Road SW
 Renton, WA 98057
 206-263-1760

Nearest Address

699 Oakesdale Ave SW
 Renton, WA 98057



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. Take I-5 S from Seattle
2. Go south on I-5 to exit 157
3. At exit 157 take ramp on the right to WA-900 E/M L King Way
4. Continue on WA-900 (Martin Luther King Jr Way S)
5. Turn right on 68th Ave S
6. Continue on Monster Rd SW
7. Continue on Oakesdale Ave SW
8. Turn right at the light at SW 7th St towards the King County South Treatment Plant

Springbrook Creek at Grady Way

SPBC-1.4

Position - Location: 47° 28.079', -122° 14.055' 47° 28' 4.7", -122° 14' 3.3" 47.46798, -122.23425 Renton

Strategy Objective: Collection : Collect oil moving downstream on Springbrook Creek.

Implementation: Secure 100 ft length of boom to shore near point A. Extend boom across the creek and secure to shore near point B. Adjust anchor points and angles as needed for conditions. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Onsite: Fire access road is not used. Can stage on road or in parking area or cut bollards to trail.

Site Safety: Traffic; Slips, Trips, Falls; Water Hazard; Uneven Terrain; Muddy Conditions; Steep Banks; Overgrown Vegetation

Field Notes: Notify King County South Main Control Center to avoid security alert.

Watercourse: Creek - Springbrook Creek

Resources at Risk: Estuary Resources, Herons, Raptors, Resident Fish, Salmonids, Wetlands



● Response Strategy ● Boom ↑ Non-tidal
● Photo Point
● Anchor Point

0 30 60 120 Feet
World Imagery: Maxar, Microsoft

Recommended Equipment

2 Each	Anchoring System(s)- Shoreside
1 Each	Bolt Cutters
100 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Vac Truck or Skimmer and Storage

Recommended Personnel

2 Laborer
1 Supervisor

Springbrook Creek at Grady Way

SPBC-1.4



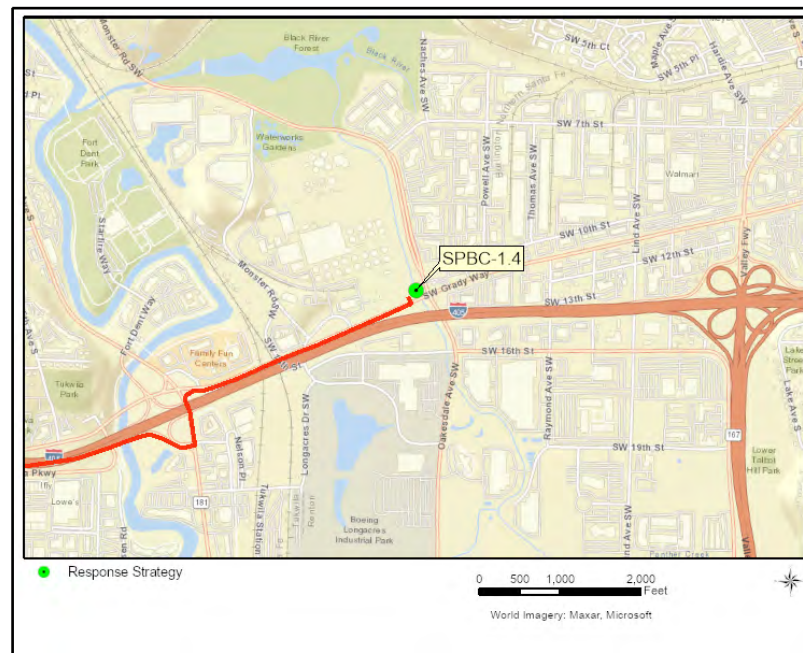
SPBC-1.4 Photo: Springbrook Creek culvert entrance just downstream of SW Grady Way and I-405.

Site Contact

King County Wastewater South Plant Main Control Center
 Land/Property Owner : Emergency contact
 1200 Monster Road SW
 Renton, WA 98057
 206-263-1760

Nearest Address

Oakesdale Ave SW & Southwest
 Grady Way
 Renton, WA 98057



Driving Directions

DIRECTIONS TO STRATEGY LOCATION

1. From Seattle, go south on I-5 S
2. Take exit 154A on the left to merge onto I-405 N toward Renton
3. Take exit 1 on the right to WA-181 S / W Valley Hwy toward Tukwila
4. Keep left at the fork toward City University
5. At the traffic light, turn left on W Valley Hwy (WA-181)
6. Bear right to SW Grady Way (S153rd St)
7. Just before light at Oakesdale Ave SW, turn right onto the access road at Springbrook trail.

Sunday Creek at Road Bridge

SUNC-0.1

Position - Location: 47° 13.049', -121° 26.903' 47° 13' 3.0", -121° 26' 54.2" 47.21749, -121.44838 Ravensdale

Strategy Objective: Collection : Collect oil moving downstream on Sunday Creek

Implementation: Secure 300 ft boom to shore near point C. Use waders or bridge to access opposite bank. Use line-throwing device to extend boom to opposite bank. Secure to shore near point A. From point C, pull boom downstream to form a collection pocket at point B. Secure to shore at point B. Position vac truck on road for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

Staging Area: Remote: BNSF equipment cache at filtration facility. Road is not plowed during the winter.

Site Safety: Steep Banks; Slips, Trips, Falls; Water Hazard

Field Notes: Contact Tacoma Water for access and escort to strategy site. All equipment should be examined by Tacoma Water for contaminants and invasive species prior to deploying. May not be feasible during low flow conditions.

Watercourse: Creek - Sunday Creek

Resources at Risk: Public Health and Safety, Raptors, Resident Fish, Salmonids, Water Intakes, Waterfowl, Wetlands



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
3	Each	Anchoring System(s)- Shoreside
300	Feet	Boom - B3 (River Boom) or equivalent
500	Feet	Line - 1/2" poly line
1	Each	Line throwing gun(s) or device(s)
1	Each	Vac Truck or Skimmer and Storage
		Waders

Recommended Personnel

2	Laborer
1	Supervisor

Sunday Creek at Road Bridge

SUNC-0.1



SUNC-0.1 Photo: Looking upstream towards the NF-52 road bridge on Sunday Creek.

Site Contact

Tacoma Water

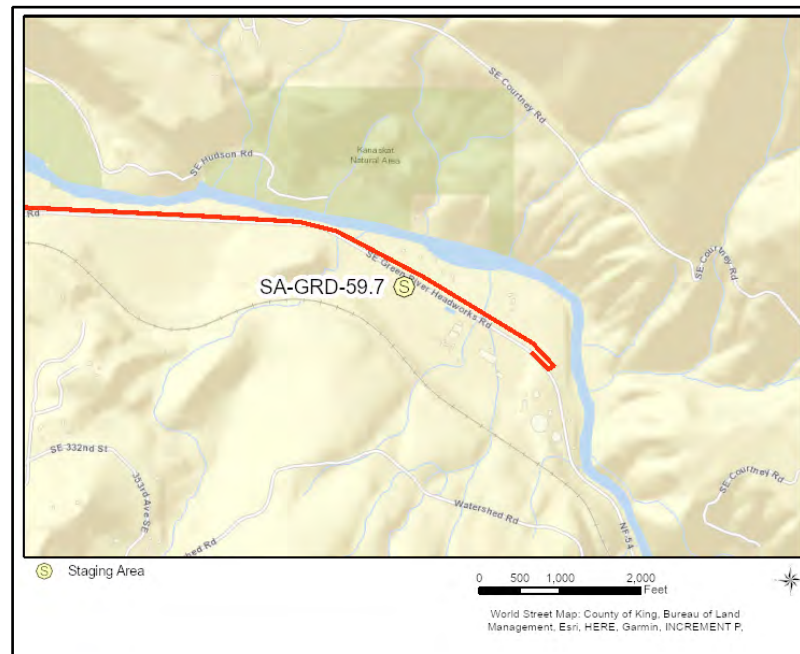
Land/Property Owner : Green River Water Treatment Facility
253-502-8346

BNSF Railway

Emergency Contact : Service Interruption Desk
817-352-2832

Nearest Address

36261 SE Green River Headworks Rd
Ravensdale, WA 98051



Driving Directions

DIRECTIONS TO STAGING AREA

1. From Ravensdale, go east on SE Kent Kangley Rd
2. Keep right to Retreat Kanaskat Rd SE
3. Bear right to Cumberland Kanaskat Rd SE
4. Make a sharp left on SE Green River Headworks Rd
5. Finish at the gate at 36261 SE Green River Headworks Rd, 98051.
6. Check in at guard station and get escort to site.
7. From staging area, follow signage to Lester
8. Drive past Lester keeping right at NF-52 road.

Sunday Creek at Ford

SUNC-1.2

Position - Location: 47° 13.817', -121° 26.124' 47° 13' 49.0", -121° 26' 7.4" 47.23028, -121.43540 Ravensdale

Strategy Objective: Collection : Collect oil moving downstream on Sunday Creek.

Implementation: Secure 300 ft boom to shore near point C. Use waders or workboat to extend boom to opposite bank. Secure to shore near point A. From point C, pull boom downstream to form a collection pocket at point B. Secure to shore at point B. Position vac truck on access road for collection at point B. Use shoreside anchoring posts, trees, or existing structures to secure boom to shore. Adjust boom and use additional anchors as needed, based on conditions.

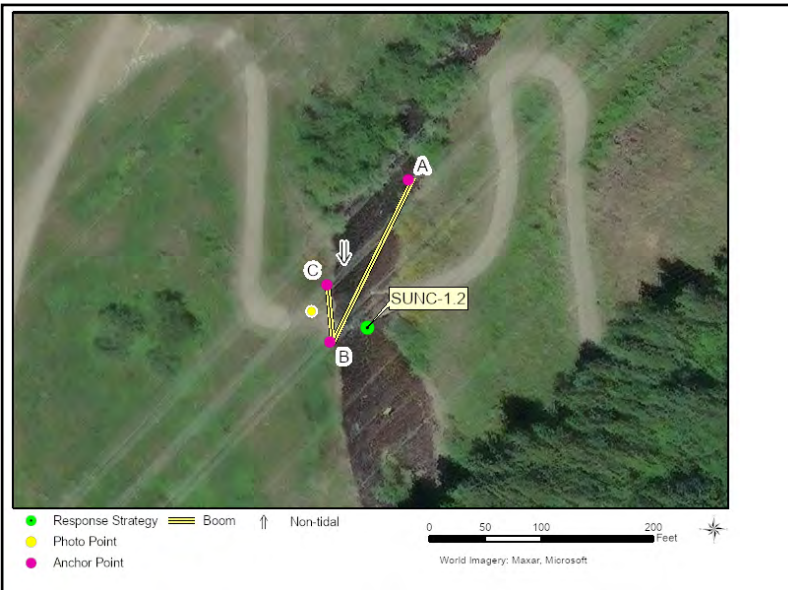
Staging Area: Remote: Tacoma Water staff have the gate key. BNSF equipment cache at filtration facility. Road not plowed during winter.

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

Field Notes: Contact Tacoma Water for access and escort to strategy site. All equipment should be examined by Tacoma Water for contaminants and invasive species prior to deploying. May not be feasible during low flow conditions.

Watercourse: Creek - Sunday Creek

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



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
3	Each	Anchoring System(s)- Shoreside
300	Feet	Boom - B3 (River Boom) or equivalent
1	Each	Vac Truck or Skimmer and Storage
1	Each	Waders
1	Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Sunday Creek at Ford

SUNC-1.2



SUNC-1.2 Photo: Looking upstream on Sunday Creek at the river ford near powerlines.

Site Contact

Tacoma Water

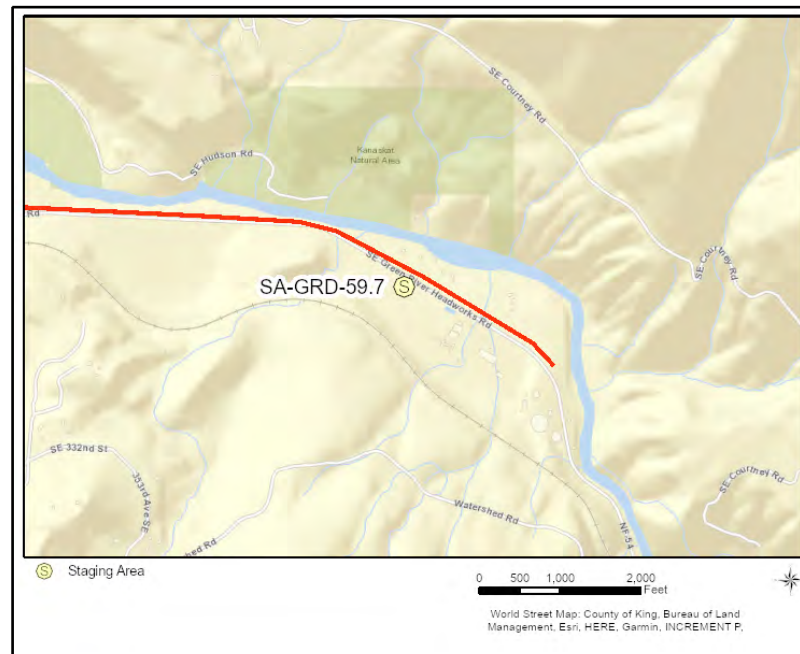
Pre-Notification Required : Green River Water Treatment Facility
253-502-8346

BNSF Railway

Emergency Contact : Service Interruption Desk
817-352-2832

Nearest Address

36261 SE Green River Headworks Rd
Ravensdale, WA 98051



Driving Directions

DIRECTIONS TO STAGING AREA

1. From Ravensdale, go east on SE Kent Kangley Rd
2. Keep right to Retreat Kanaskat Rd SE
3. Bear right to Cumberland Kanaskat Rd SE
4. Make a sharp left on SE Green River Headworks Rd
5. Finish at the gate at 36261 SE Green River Headworks Rd, 98051.
6. Check in at guard station and get escort to site.
7. From staging area, follow signage to Lester
8. Drive past Lester keeping left on NF-54 at Y.

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APPENDIX B

Notification Strategy 2-Pagers

Black River Pump Station

BLAKR-0.3-N

Position - Location: 47° 28.499', -122° 14.712' 47° 28' 30.0", -122° 14' 42.7" 47.47499, -122.24520 Renton

Strategy Objective: Notification : Stop flow of water to/from Black River and Springbrook Creek.

Implementation: Call King County South Plant Control Center at 206-263-1760 to inform them of any significant oil spill or potential spill that may impact the Black River or Springbrook Creek. Ask them to take whatever actions they deem necessary and appropriate to protect the resources under their control. This may include adjusting or stopping the flow at the Black River Pump Station.

Field Notes: Pump Station is unstaffed, but on-call county workers can respond to site 24/7. Control center is nearby and can send staff to site.

Watercourse: Freshwater Wetland - Black River

Resources at Risk: Estuary Resources, Habitat Restoration Site, Herons, Raptors, Water Intakes, Waterfowl



Communication Process and Action:

Call King County South Plant Control Center at 206-263-1760. Inform them of the situation and ask them to take action to protect the resources under their control. This may include stopping or adjusting the flow at Black River Pump Station.

Black River Pump Station

BLAKR-0.3-N



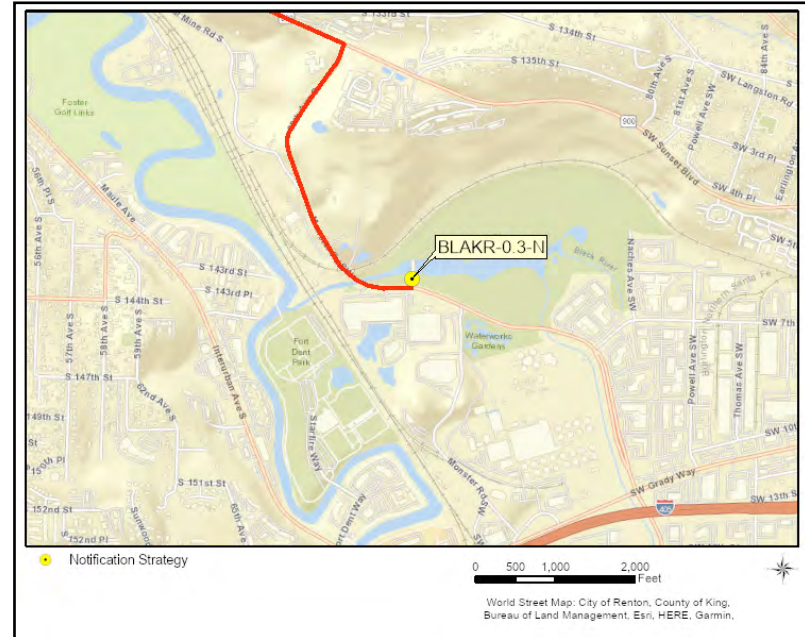
BLAKR-0.3-N Photo: King County Black River Pump Station, from south bank looking north, upstream of pump station. Black River Riparian forest to the right on the photo.

Site Contact

King County Wastewater South Plant Main Control Center
Emergency Contact : Emergency contact
1200 Monster Road SW
Renton, WA 98057
206-263-1760

Nearest Address

550 Monster Rd SW
Renton, WA 98057



Driving Directions

1. Start at I 5 Seattle
2. Go southeast on I-5 toward exit 157
3. At exit 157 take ramp on the right to WA-900 E/M L King Way (0.2 miles)
4. Continue on WA-900 (Martin Luther King Jr Way S) (1.81 miles)
5. Turn right on 68th Ave S (0.39 miles)
6. Continue on Monster Rd SW (0.11 miles)
7. Finish at 550 Monster Rd SW, 98057, on the left

WDFW Soos Creek Hatchery

BSOO-1.0-N

Position - Location: 47° 18.568', -122° 10.079' 47° 18' 34.1", -122° 10' 4.8" 47.30947, -122.16799 Auburn

Strategy Objective: Notification : Prevent fish from being released during a spill or protect salmon at hatchery

Implementation: Call the WDFW Region 4 main office at 425-775-1311 and explain the situation regarding the spill.

Field Notes: Also release at Icy Creek. Releases from March to May.

Watercourse: Creek - Soos Creek

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



Communication Process and Action:

Call the WDFW Region 4 main office at 425-775-1311 and explain the situation regarding the spill.

If the spill is on a tributary of Big Soos Creek, advise they deploy spill response equipment. Otherwise, advise they consider delaying fish releases until the situation is resolved. Soos Creek will also notify Icy Creek staff. The Icy Creek (Pautzke) Ponds are located on a tributary near Green River RM 48.5.

If you are unable to get through to the main office call 253-278-9523 or 253-797-9467.



B500-1.0-N Photo: Adult holding pond in Soos Creek, looking N from parking area on creek left.

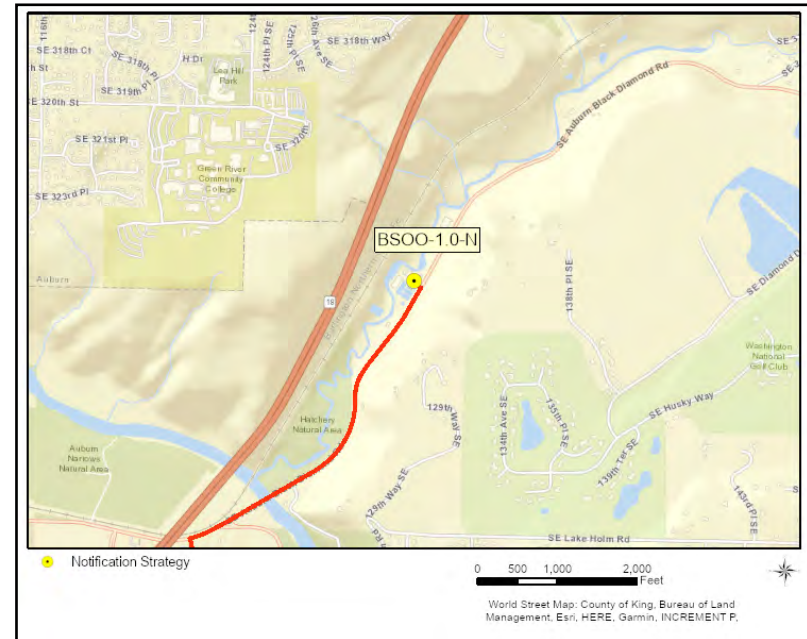
Site Contact

Washington Department of Fish and Wildlife

Primary Contact : Region 4
16018 Mill Creek Boulevard
Mill Creek, WA 98012-1296
425-775-1311

Nearest Address

13030 SE Auburn-Black Diamond Rd
Auburn, WA 98092



Driving Directions

1. Start at I 5 Federal Way
2. Go south on I-5 toward 142b (0.48 miles)
3. At exit 142A bear right onto ramp and go on WA-18 E toward Auburn (6.4 miles)
4. Take ramp on the right to Auburn-Black Diamond Rd (0.22 miles)
5. Take ramp toward Black Diamond (0.26 miles)
6. At fork keep left on SE Auburn Black Diamond Rd (0.74 miles)
7. Finish at 13030 SE Auburn-Black Diamond Rd, 98092, on the left

Keta Creek Hatchery

CRSP-1.2-N

Position - Location: 47° 17.437', -122° 3.653' 47° 17' 26.2", -122° 3' 39.2" 47.29061, -122.06089 Auburn

Strategy Objective: Notification : Notify Palmer Ponds to shut intakes. Delay salmon release from Palmer and Keta Creek.

Implementation: Call the Muckleshoot Fisheries Department at 253-876-3335 and inform them of the situation. Ask them to notify Keta Creek and Palmer Ponds.

Field Notes: Keta Creek is fed by Crisp Creek and has no intakes on the green. Palmer Ponds has a water intake on the Green near RM 57

Watercourse: Creek - Spring fed, flows to Green River

Resources at Risk: Fish Hatchery, Salmonids, Tribal Lands/Resources, Water Intakes



Communication Process and Action:

Call the Muckleshoot Fisheries Department at 253-876-3335 and inform them of the situation. If you are unable to reach anyone try the following numbers:

Keta Creek Hatchery:

(253) 939-7738

Muckleshoot Indian Tribe:

(253) 939-3311

Water Program Team Leader:

253-876-3116

Note: The Muckleshoot Indian Tribe will determine whether or not they adjust their fish release schedules.



CRSP-1.2-N Photo: Fish gates on Crisp Creek to block fish coming/going to Green River.

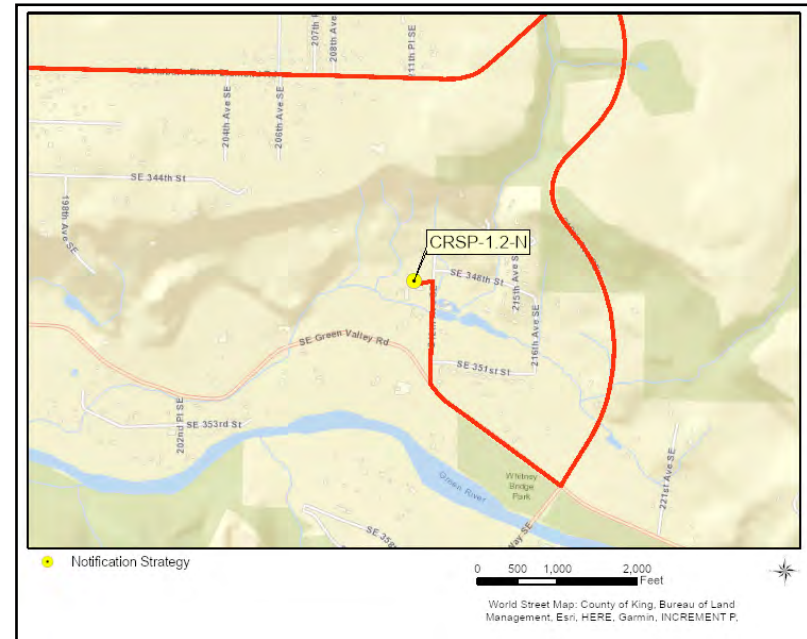
Site Contact

Muckleshoot Indian Tribe Fisheries Department

Primary Contact :
39015 172nd Ave SE
Auburn, WA 98092
253-876-3335

Nearest Address

34809 212th Ave SE
Auburn, WA 98092



Driving Directions

1. From I-5 in Seattle head south towards exit 149.
2. At exit 149 bear right onto ramp to WA-516 toward Kent/Des Moines (0.26 miles)
3. Turn left on WA-516 (S Kent Des Moines Rd) (8.94 miles)
4. Turn right on 152nd Ave SE (0.76 miles)
5. Continue on Kent Black Diamond Rd SE (3.18 miles)
6. Continue on SE Auburn Black Diamond Rd (2.75 miles)
7. Turn right on 218th Ave SE (1.37 miles)
8. Turn right on SE Green Valley Rd (0.4 miles)
9. Turn right onto 212th Ave SE (0.2 miles)
10. Take the second left into the Keta Creek Hatchery parking lot.

Muckleshoot Tribe Fishermen/Boaters

GRD-37.9-N

Position - Location: 47° 16.495', -122° 6.951' 47° 16' 29.7", -122° 6' 57.1" 47.27491, -122.11585 Auburn

Strategy Objective: Notification : Alert fisheries to get biologists off river. Also alert Police to activate phone tree and get tribal fishermen off river.

Implementation: Call Muckleshoot Fisheries at 253-876-3335 and explain the situation regarding the spill.

Field Notes: Inner-tubing and in-channel fishing from July through Sept. Fishermen on banks and in eddies.

Watercourse: River - Below a Dam - Green River

Resources at Risk: Public Health and Safety, Resident Fish, Salmonids, Tribal Lands/Resources



Communication Process and Action:

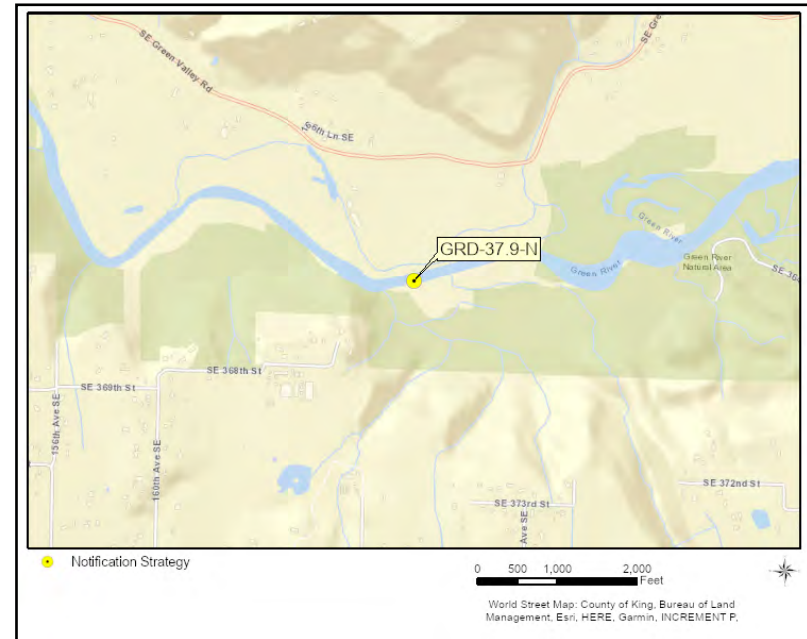
Call the Muckleshoot Fisheries department at 253-876-3335 and explain the situation. If unable to reach the fisheries department, try the following numbers until someone is reached:

Muckleshoot Tribe – 253-939-3311

Water Program Team Leader – 253-876-3116



GRD-37.9-N Photo: Local fishermen on the banks of the Green River in mid-November.



Site Contact

Muckleshoot Indian Tribe Fisheries Department

Primary Contact :
39015 172nd Ave SE
Auburn, WA 98092
253-876-3335

Nearest Address

39015 172nd Ave SE
Auburn, WA 98092

Driving Directions

1. Start at I 5 Federal Way
2. Go south on I-5 toward 142b (0.41 miles)
3. At exit 142A bear right onto ramp and go on WA-18 E toward Auburn (4.42 miles)
4. Take ramp on the right to WA-164 E/Auburn Wy toward Enumclaw (0.18 miles)
5. At fork keep left on WA-164 E toward Enumclaw/Muckleshoot Reservation (0.03 miles)
6. Make sharp left on WA-164 (Auburn Way S) (6.56 miles)
7. Turn left on SE 392nd St (0.29 miles)
8. Turn left at the sign for the Philip Starr building (0.1 miles)
9. Finish at 39015 172nd Ave SE, 98092, on the left

King County Parks

GRD-42.0-N

Position - Location: 47° 16.850', -122° 2.627' 47° 16' 51.0", -122° 2' 37.6" 47.28083, -122.04379 Auburn

Strategy Objective: Notification : Notify King County Parks to close parks along river and evacuate visitors from the water and banks

Implementation: Call King County Emergency Line at 206-296-8100 and request a callback from the Parks Duty Officer.

Field Notes: From June - Sept visitors float the river in inflatables. Fishermen use the river year-round from banksides and small boats.

Watercourse: River - Below a Dam - Green River

Resources at Risk: County Park, Public Health and Safety, Resident Fish, Salmonids



Communication Process and Action:

Call the King County Emergency Line and request a callback from the Parks Duty Officer. Inform the Parks Officer of the situation and advise they consider closing any parks along the river located downstream of the spill point. Request they evacuate visitors from the water and water's edge.



GRD-42.0-N Photo: Recreational visitors floating the river just downstream of Flaming Geyser Park, during low water in July.

Site Contact

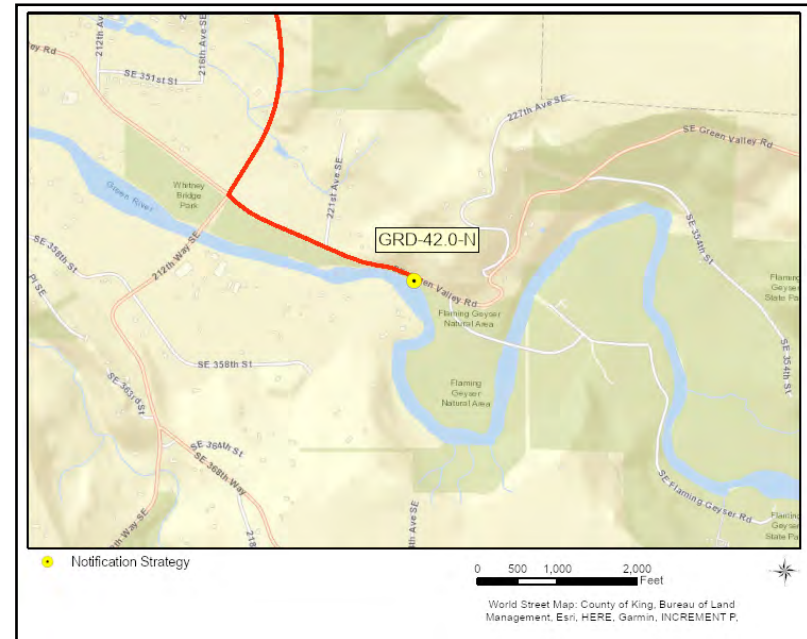
King County Parks and Recreation

Primary Contact :

201 S. Jackson Street, # 700
Seattle, WA 98104
206-296-8100

Nearest Address

22165 SE Green Valley Rd
Auburn, WA 98092



Driving Directions

1. From I-5 in Seattle, head south towards exit 149.
2. At exit 149 bear right onto ramp to WA-516 toward Kent/Des Moines (0.26 miles)
3. Turn left on WA-516 (S Kent Des Moines Rd) (8.94 miles)
4. Turn right on 152nd Ave SE (0.76 miles)
5. Continue on Kent Black Diamond Rd SE (3.18 miles)
6. Continue on SE Auburn Black Diamond Rd (2.75 miles)
7. Turn right on 218th Ave SE (1.37 miles)
8. Turn left on SE Green Valley Rd (0.5 miles)
9. Finish at 22165 SE Green Valley Rd, 98092, on the right

Green River Filtration Plant

GRD-61.0-N

Position - Location: 47° 18.489', -121° 51.331' 47° 18' 29.3", -121° 51' 19.9" 47.30815, -121.85552 Ravensdale

Strategy Objective: Notification : Protect City of Tacoma water supply

Implementation: Notify Tacoma Water through the Headworks Security Gate at 253-502-8697 (staffed 24/7). Notify them of any potential spill that may impact the Green River above Green River Headworks Road at approximately river mile 58. Tacoma Water personnel should consider closing their water intake and deploying their protection equipment to protect the resources under their control.

Field Notes: Water intake is at RM 61. They also have a water pipeline coming from the North Fork Green River.

Watercourse: River - Below a Dam - Low flow July - Oct <500 cfs; max flow 12000 cfs

Resources at Risk: Fish Ladder(s), Public Health and Safety, Water Intakes



Communication Process and Action:

Tacoma Water may choose to deploy response equipment or shut of their intake at RM61. Tacoma Public Utilities staff may also self-deploy a protection strategy above the diversion dam/water intake at RM 61 if equipment is available.



GRD-61.0-N Photo: Adult salmon ladder and water diversion dam for City of Tacoma water supply. Looking W downstream from water intake on river right.

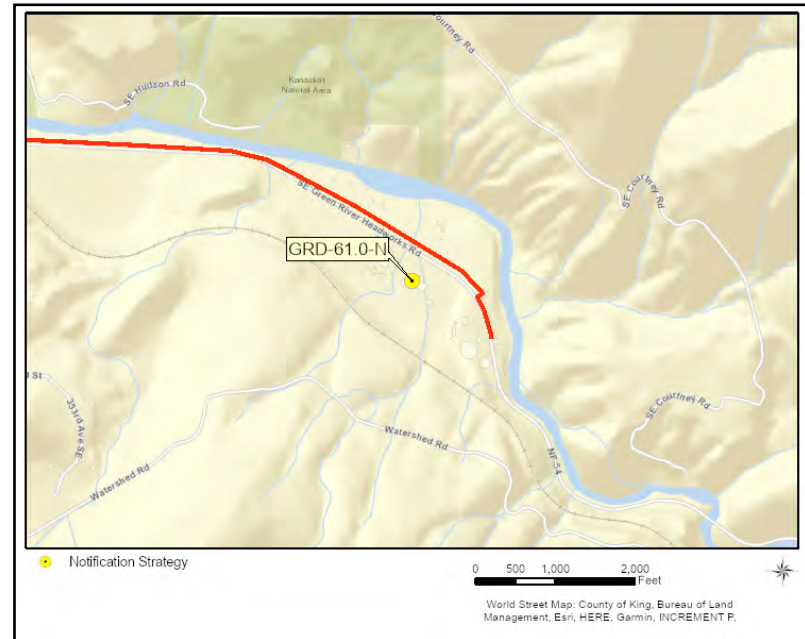
Site Contact

Tacoma Water

Emergency Contact : Green River Water Treatment Facility
36932 SE Green River Headworks Rd
Ravensdale, WA 98051
253-502-8346

Nearest Address

36932 SE Green River Headworks Rd
Ravensdale, WA 98051



Driving Directions

1. From I-5 in Seattle, head S to exit 142A.
2. At exit 142A, take ramp right for WA-18 East toward Auburn.
3. In 11.3 miles, take exit ramp right for WA-516 East toward Covington.
4. Turn right onto WA-516 E / SE 272nd St.
5. In 4.8 miles, turn right onto Retreat-Kanaskat Rd SE (sign for Kanaskat).
6. In 3.1 miles, turn right onto Cumberland Kanaskat Rd SE (sign for Kanaskat-Palmer State Park).
7. In 1.5 miles, turn left onto SE Green River Headworks Rd (sign for Tacoma Water).
8. Stop at guard station/gate and check in.

Howard Hanson Dam

GRD-64.6-N

Position - Location: 47° 16.648', -121° 47.277' 47° 16' 38.9", -121° 47' 16.6" 47.27747, -121.78795 Ravensdale

Strategy Objective: Notification : Notify dam of spill and potentially reduce flow

Implementation: Call the Reservoir Control Center at 206-764-6702 and inform them of the spill and response taking place.

Field Notes:

Watercourse: River - Below a Dam - Low flow July to October

Resources at Risk: Federal Lands, Resident Fish, Salmonids, Water Intakes



Communication Process and Action:

Call the U.S. Army Corps of Engineers Reservoir Control Center at 206-764-6702 or 206-764-3584 (M-F 7:30-4:30) and explain the situation regarding the spill. Request they reduce flow if possible, for responder safety and better oil recovery rates.

If the Control Center cannot be reached, call these numbers in order until someone at the Army Corps has been notified:

District ECC: 206-764-6831 or 206-764-6910

Operations Supervisor: 206-764-6975

Environment Compliance Coordinator: 206-764-6717 or 360-825-3211

Project Lead: 206-764-6975

Project Safety Officer: 206-764-6975

Project Manager: 206-764-3717

Note: The Army Corps will make the decision whether or not they will adjust the flow through the dam.

Howard Hanson Dam

GRD-64.6-N



GRD-64.6-N Photo: Howard Hanson Dam looking from the north side of the dam.

Site Contact

USACE Seattle District Reservoir Control Center

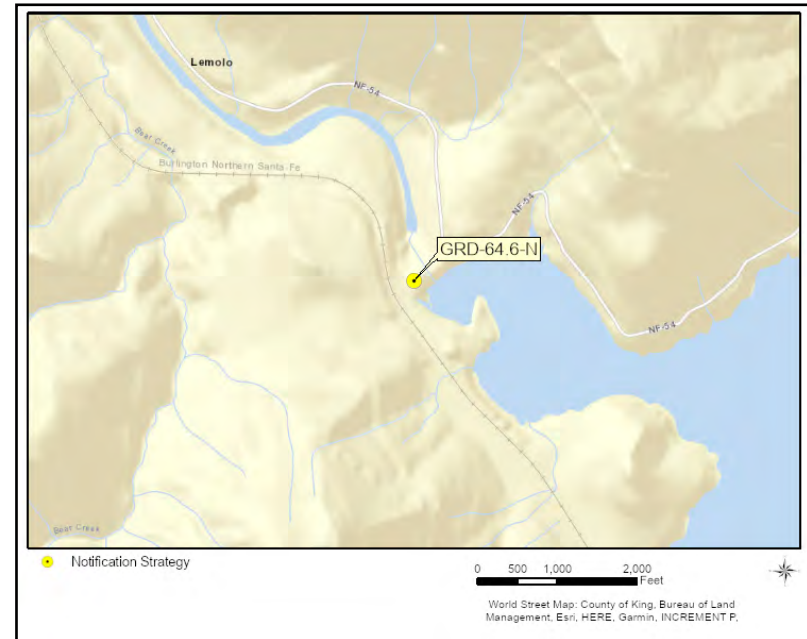
Emergency Contact :

WA

206-764-6702

Nearest Address

31714 Cumberland Kanaskat Rd SE
Ravensdale, WA 98051



Driving Directions

1. Start at I 5 Federal Way
2. At exit 142A bear right onto ramp and go on WA-18 E toward Auburn (11.22 miles)
3. Take ramp on the right to WA-516/Se 272nd St toward Covington (0.42 miles)
4. Turn right on WA-516 (SE 272nd St) toward Covington (4.7 miles)
5. Continue on SE Kent Kangley Rd (3.42 miles)
6. Turn right on Retreat-Kanaskat Rd SE (Retreat Kanasket Rd SE) 0.11 miles)
7. Bear right (0.03 miles)
8. Bear right on Cumberland Kanaskat Rd SE (Cumberland Kanasket Rd SE) (1.41 miles)
9. Follow Cumberland Kanaskat Rd SE to security checkpoint at Tacoma Water Green River Filtration Plant. The road to the dam is one lane radio-controlled and security must escort visitors.

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APPENDIX C

Staging Area 2-Pagers

Van Doren's Landing Park and Boat Launch

SA-GRD-19.2

Staging Area

Position - Location: 47° 23.903', -122° 16.546' 47° 23' 54.2", -122° 16' 32.7" 47.39839, -122.27576 Kent

Comments: Small gravel parking area at top of boat launch ramp. Facilities available further north on Russell Rd.



GRP Response Strategies Served:

GRD-22.0, GRD-21.7, GRD-22.2, GRD-21.8

Location Information

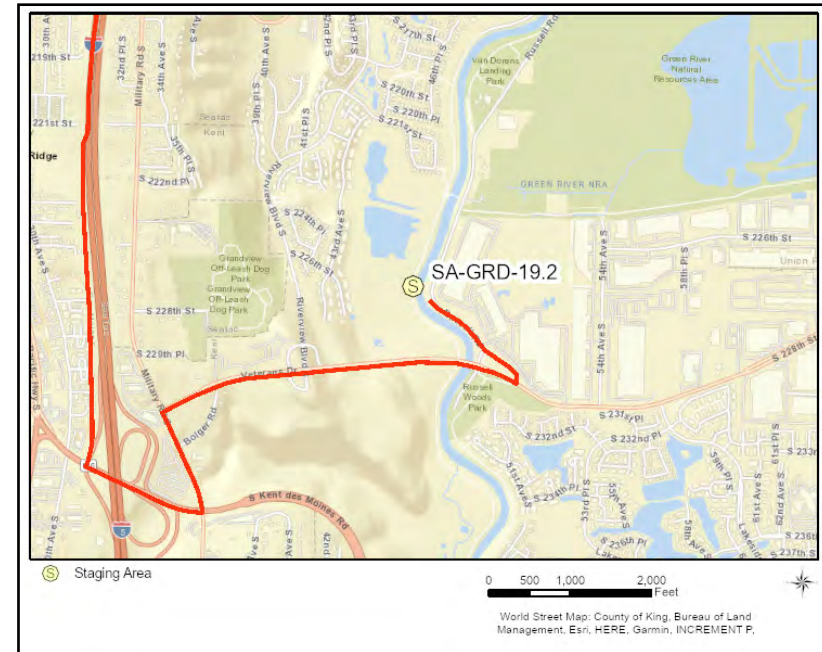
Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	1 Not suitable for trailered boats.
Covered Spaces	No	
Estimated Lot Size	Gravel	3,000 sqft
Fuel	No	
Parking - Car	Gravel	6
Parking - Trailer	Gravel	No marked spaces
Power	No	
Restroom	None	1 Available .5 miles north on Russel Rd.
User Fee	No	
Waste Disposal	None	Pack it out.
Water (potable)	No	Available .5 miles north on Russel Rd.

Van Doren's Landing Park and Boat Launch

SA-GRD-19.2



SA-GRD-19.2 Photo: Van Doren's Landing Park Boat Launch



Site Contact

City of Kent

Land/Property Contact : Public Works
220 4th Ave S
Kent, WA 98032
253-856-5600

Nearest Address

22778 Russell Road
Kent, WA 98032

Driving Directions

DIRECTIONS TO BOAT LAUNCH

1. From Seattle, go south on I-5 S
2. Take exit 149 on the right to WA-516 toward Kent / Des Moines
3. Keep left at the fork to WA-516 E toward Kent
4. At the traffic light, turn left on S Kent des Moines Rd (WA-516)
5. At the traffic light, turn left on Military Rd S (36th Ave S)
6. At the traffic light, turn right on Veterans Dr
7. Keep left at the fork onto Veterans Dr
8. Turn left on Russell Rd
9. Go past paved parking area for Russel Woods Park.
10. Follow to gravel parking area for launch on left.

Tacoma Water Headworks Gate

SA-GRD-59.7

Staging Area

Position - Location: 47° 18.622', -121° 51.536' 47° 18' 37.3", -121° 51' 32.2" 47.31036, -121.85894 Ravensdale

Comments: Coordinate before arrival with Tacoma Water Headworks Security Gate, 253-502-8697. Guard shack onsite controls access to upper Green River watershed and coordinates escort cars and all traffic into area. You must park at the gate and check in with the guard before entering Tacoma Water property. During a response Tacoma Water may, or may not, choose to offer access to their facilities at their offices (restrooms, water, etc). BNSF has an equipment cache at filtration plant.



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	None	
Covered Spaces	Yes	Tacoma Water Offices
Estimated Lot Size	Square Feet	5000 Sq Ft
Lot Cover (Primary)	Asphalt	
Parking - Car	Gravel	100
Parking - Trailer	Gravel	30
Power	Yes	w/Tacoma Water Permission
Restroom	Restroom - Flush	In Tacoma Water offices
Restroom	Restroom - Portable	Portable facility at gate.
User Fee	No	
Waste Disposal	Trash Receptacle	w/Tacoma Water Permission
Water (potable)	Yes	w/Tacoma Water Permission

GRP Response Strategies Served:

SUNC-0.1, SUNC-1.2, GRD-68.4, GRD-80.9, GRD-76.5

No Photograph Available

SA-GRD-59.7 Photo: No photo available.

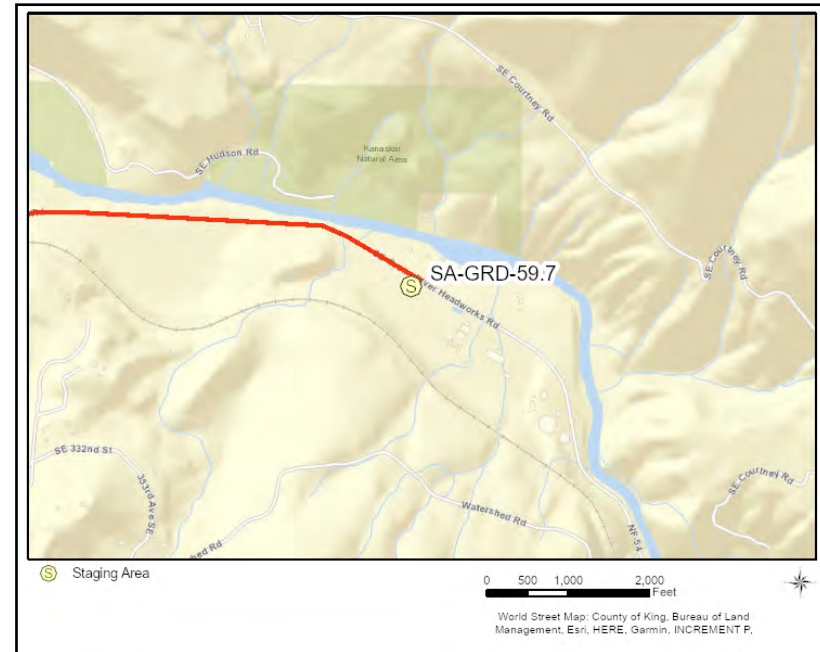
Site Contact

Tacoma Water Headworks Security Gate

Pre-Notification Required : Green River Water Treatment Facility
36261 SE Green River Headworks Rd
Ravensdale, WA 98051
253-502-8697

Nearest Address

36261 SE Green River Headworks Rd
Ravensdale, WA 98051



Driving Directions

DIRECTIONS TO STAGING AREA

1. From Ravensdale, go east on SE Kent Kangley Rd
2. Keep right to Retreat Kanaskat Rd SE
3. Bear right to Cumberland Kanaskat Rd SE
4. Make a sharp left on SE Green River Headworks Rd
5. Finish at the gate at 36261 SE Green River Headworks Rd, 98051.
6. Check in at guard station

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APPENDIX D

Boat Launch 2-Pagers

Van Doren's Landing Park and Boat Launch

BL-GRD-19.2

Boat Launch Location

Position - Location: 47° 23.903', -122° 16.546' 47° 23' 54.2", -122° 16' 32.7" 47.39839, -122.27576 Kent

Comments: Hand-launch boat launch. Additional parking on shoulder of road.



GRP Response Strategies Served:

GRD-19.2, GRD-22.0, GRD-21.7, GRD-19.4, GRD-22.2, GRD-21.8

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	1 Not suitable for trailered boats.
Covered Spaces	No	
Estimated Lot Size	Gravel	3,000 sqft
Fuel	No	
Parking - Car	Gravel	6
Parking - Trailer	Gravel	No marked spaces
Power	No	
Restroom	None	1 Available .5 miles north on Russel Rd.
User Fee	No	
Waste Disposal	None	Pack it out.
Water (potable)	No	Available .5 miles north on Russel Rd.



SA-GRD-19.2 Photo: Van Doren's Landing Park Boat Launch

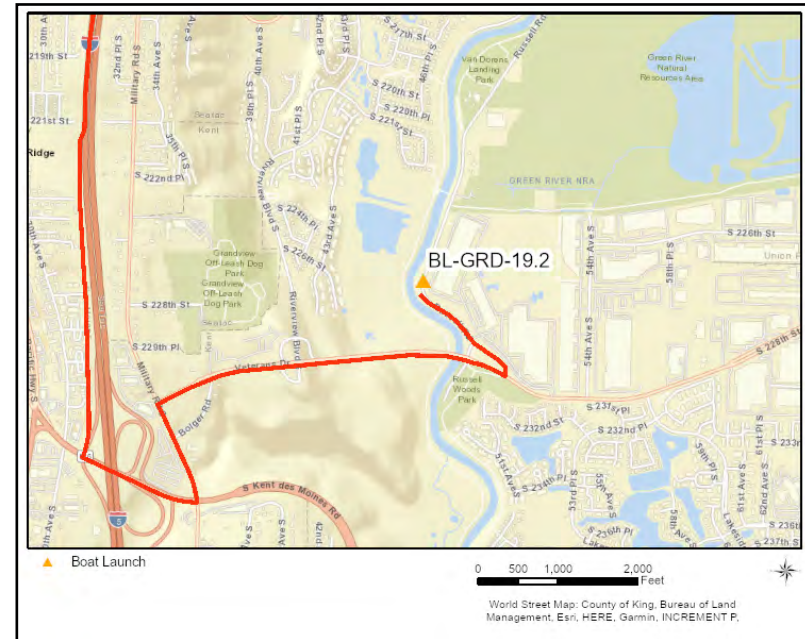
Site Contact

City of Kent

Land/Property Contact : Public Works
220 4th Ave S
Kent, WA 98032
253-856-5600

Nearest Address

22778 Russell Road
Kent, WA 98032



Driving Directions

DIRECTIONS TO BOAT LAUNCH

1. From Seattle, go south on I-5 S
2. Take exit 149 on the right to WA-516 toward Kent / Des Moines
3. Keep left at the fork to WA-516 E toward Kent
4. At the traffic light, turn left on S Kent des Moines Rd (WA-516)
5. At the traffic light, turn left on Military Rd S (36th Ave S)
6. At the traffic light, turn right on Veterans Dr
7. Keep left at the fork onto Veterans Dr
8. Turn left on Russell Rd
9. Go past paved parking area for Russel Woods Park.
10. Follow to gravel parking area for launch on left.