

Fallbridge Sub

Oil Spill Control Points (CCPs)

April 2013



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Incident Notifications and Contacts

Incident Reporting	
National Response Center	800-424-8802
Washington State - Emergency Management Division	800-258-5990
Oregon State - Emergency Response System	800-452-0311

Dam Operators - Emergency Contact - Dam Control Room		
<u>Bonneville Dam</u>	Fallbridge Sub (MP-49 to MP-96)	541-374-8338
<u>The Dalles Dam</u>	Fallbridge Sub (MP-96 to MP-120) Oregon Trunk Sub MP-0 to MP-88	541-298-7505
<u>John Day Dam</u>	Fallbridge Sub (MP-120 to MP-195)	541-298-9712
<u>McNary Dam</u>	Fallbridge Sub (MP-195 to MP-231) Yakima Valley Sub (MP-1 to MP-6) Burbank Sub (MP-0 to MP-13)	541-922-2231

Local Fire Department Contacts:

Bigen Fire Department	509-493-2122
Carson Fire District #1	509-427-8698
Cascade Locks Fire/EMS	541-374-8510
Dallesport Fire District	509-767-1252
City of Hood River Fire Department	541-386-3939
Mosier Volunteer Fire Department	541-478-3333
North Bonneville Fire Department	509-427-5235
Odell Fire Department	541-354-1648 541-490-2930 (cell)

Local Fire Department Contacts: (continued)

Stevenson City Fire Hall	509-427-5552
Stevenson Fire District #2	509-427-7920
Middle Columbia Fire & Rescue (The Dalles, OR)	541-296-9445
Underwood Fire District #3	509-493-1710
North Sherman County Rural Fire District (Wasco, OR)	541-442-5252
City of White Salmon Fire Department	509-493-1135

Local Police Contacts:

Bingen Police Department	509-493-1177 509-493-2660
City of Hood River Police Department	541-386-3942
Hood River County Sheriff	509-386-2711
Klickitat County Sheriff	509-773-4545
Sherman County Sheriff	541-565-3622 541-980-1615 (cell)
Skamania County Sheriff	509-427-5626
Stevenson Police Department	509-427-8185
The Dalles Police Department	541-296-2233
White Salmon Police Department	509-493-2660

Local Hospitals:

<u>Skyline Hospital</u> 211 Skyline Drive, White Salmon, WA	509-493-1101
<u>Mid-Columbia Medical Center</u> 1700 E 19th Street, The Dalles, OR 97058	541-296-1111

Local Hospitals: (continued)

Klickitat Valley Hospital

509-773-4022

310 S. Roosevelt Avenue, Goldendale, WA 98620

Tribal Contacts:

Columbia River Inter-Tribal Law

800-587-3474

Nez Perce Tribe

208-843-5501

Umatilla Conf. Tribes

541-276-4348

Warm Springs Reservation

541-553-3257

Yakama Indian Nation

509-865-5121

Port Facilities:

Port of Hood River

541-386-1645

Port of Klickitat

509-493-1655

Port of Skamania

509-427-5484

Port of The Dalles

541-298-4148

Water & Waterway Users:

Boise Cascade

509-545-3280

Wallula, WA

Butterfied Water Treatment Plant

509-545-3469

Pasco, WA

Kennewick Water Treatment Plant

509-586-4181

Kennewick, WA

NW Aluminum (Bonneville Pool)

541-296-6161 (24hr)

The Dalles, OR

Oregon Watermasters

Pendleton, OR

541-276-7111

541-278-0578 (emergency)

Richland Water Treatment

Richland, WA

509-545-2763 (24hr)

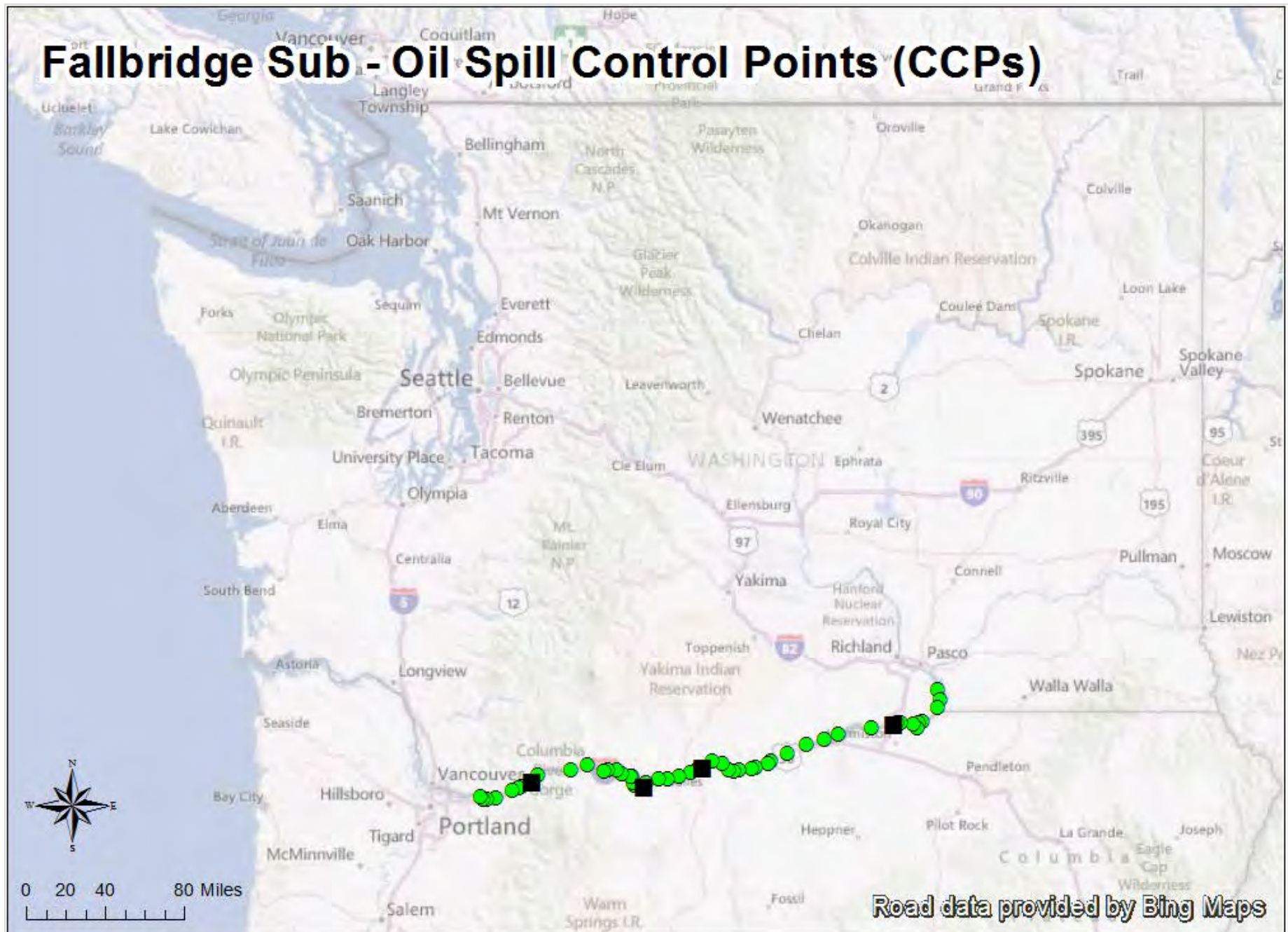
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The Dalles Irrigation District

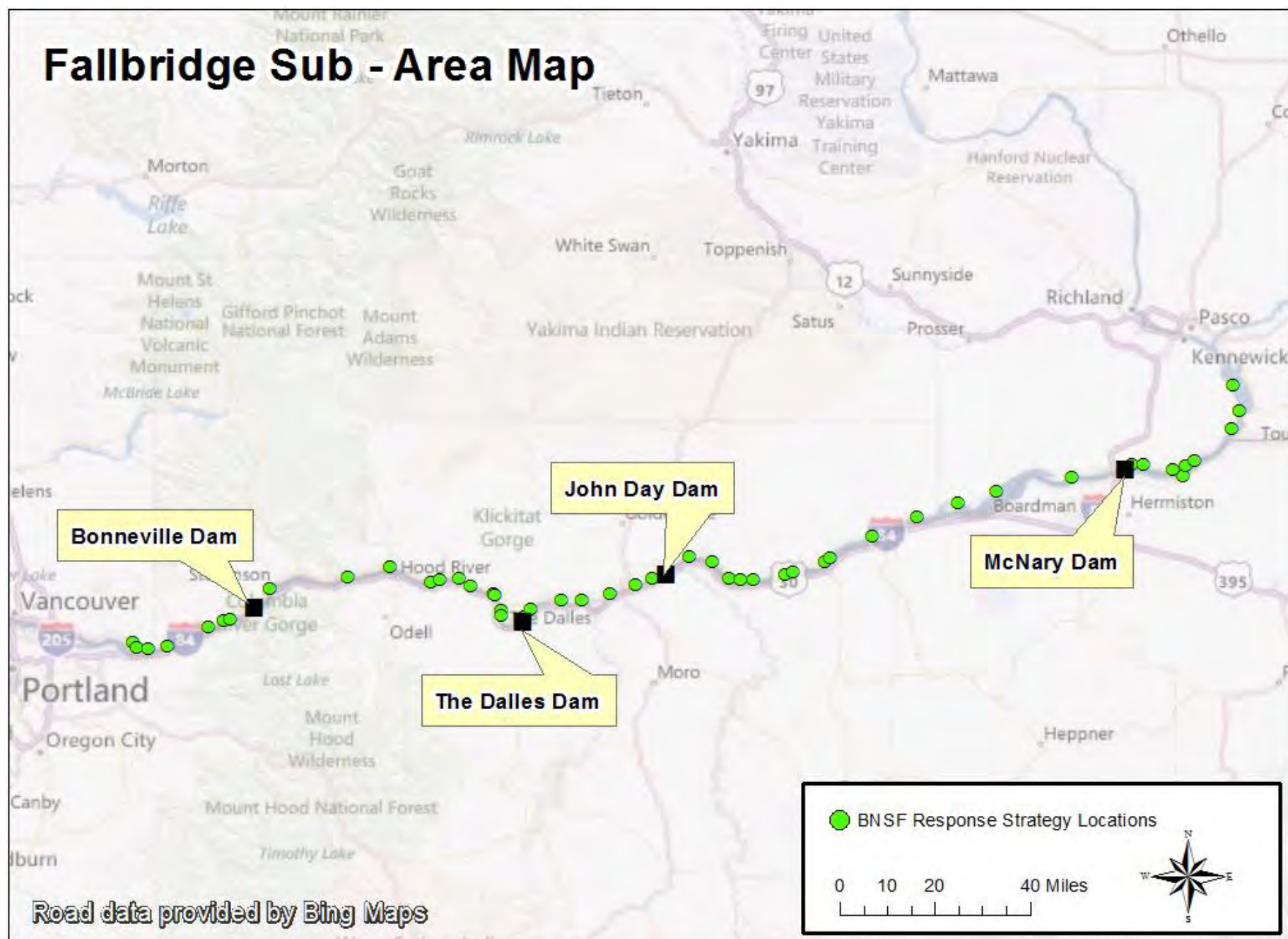
The Dalles, OR

541-296-3366

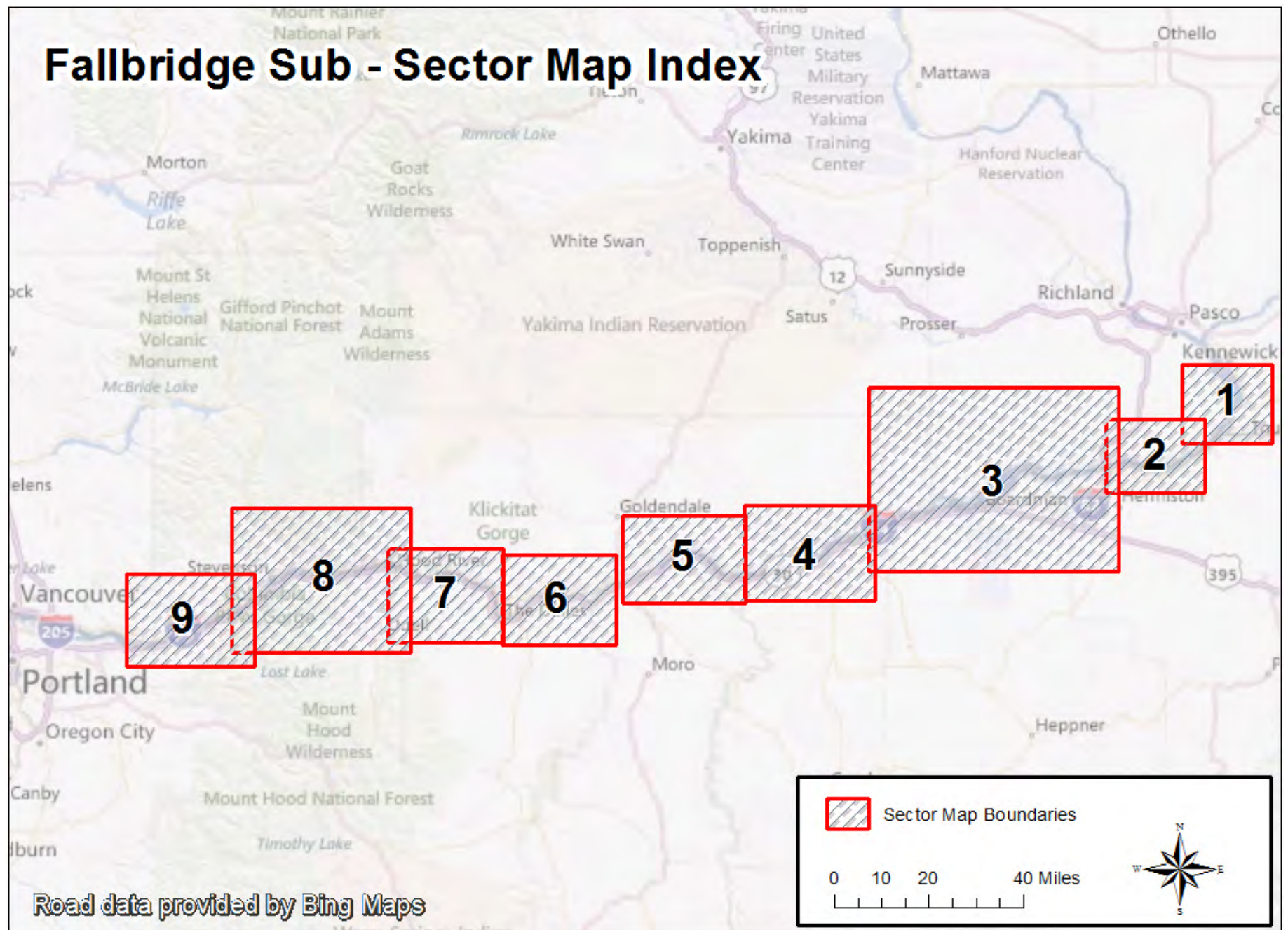
Fallbridge Sub - Oil Spill Control Points (CCPs)



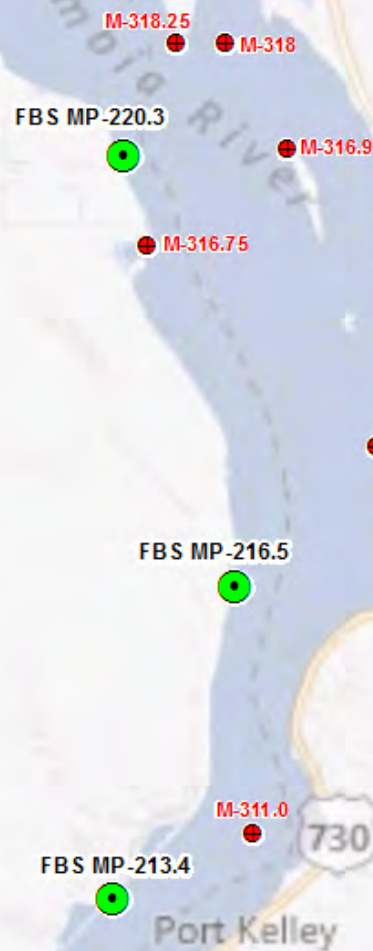
Fallbridge Sub - Area Map



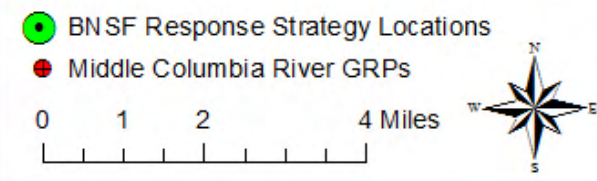
Fallbridge Sub - Sector Map Index



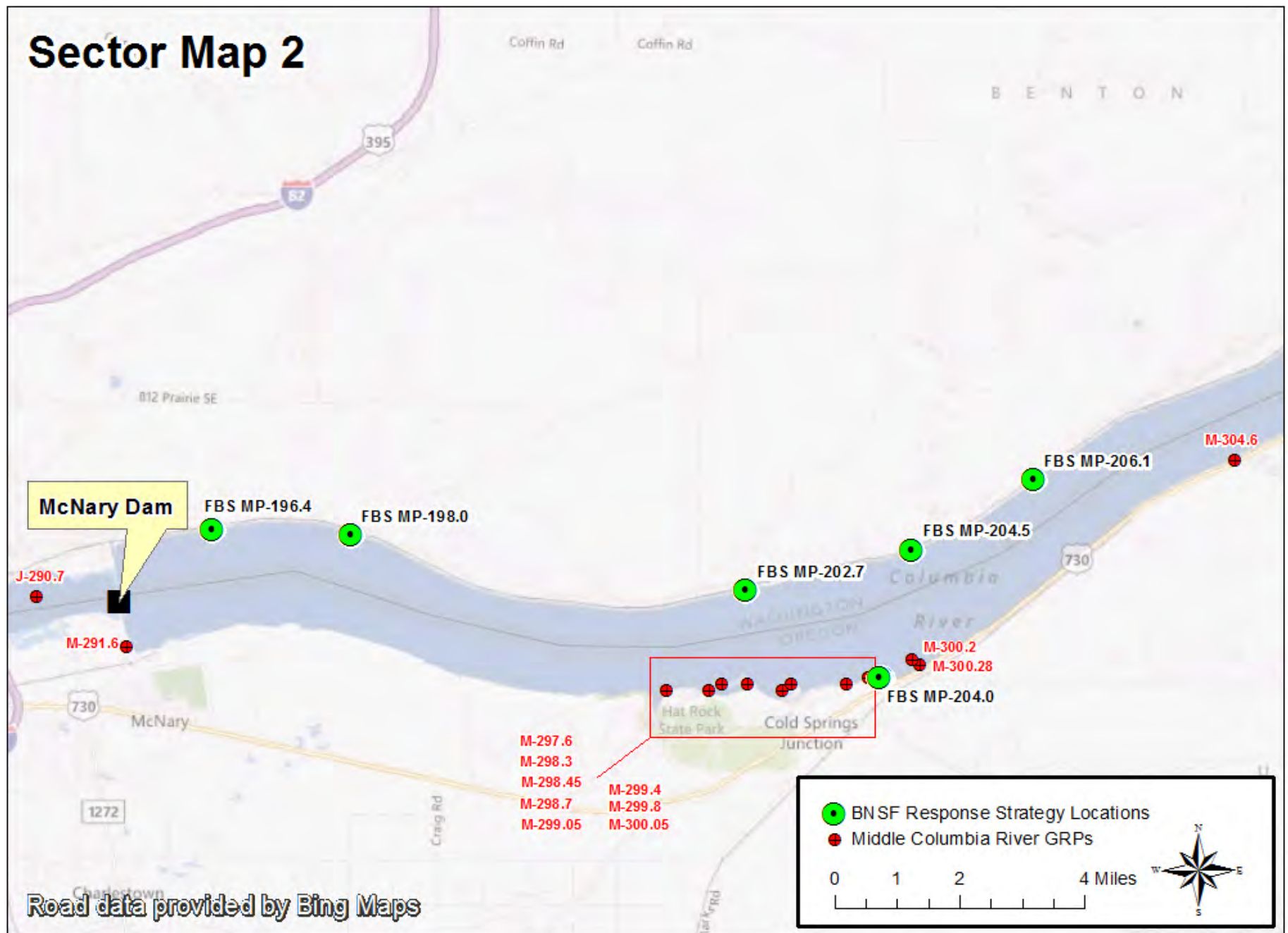
Sector Map 1



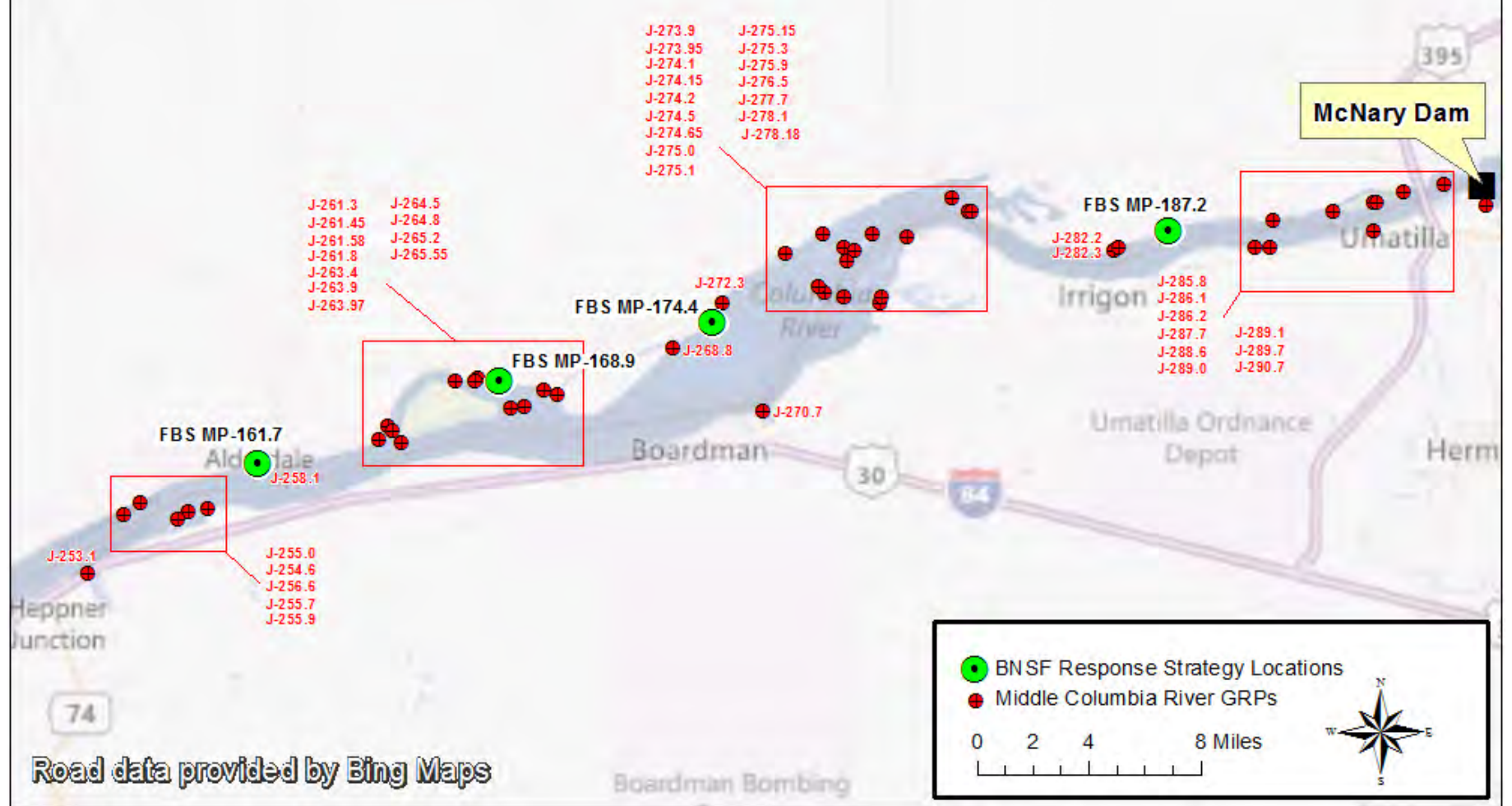
Road data provided by Bing Maps



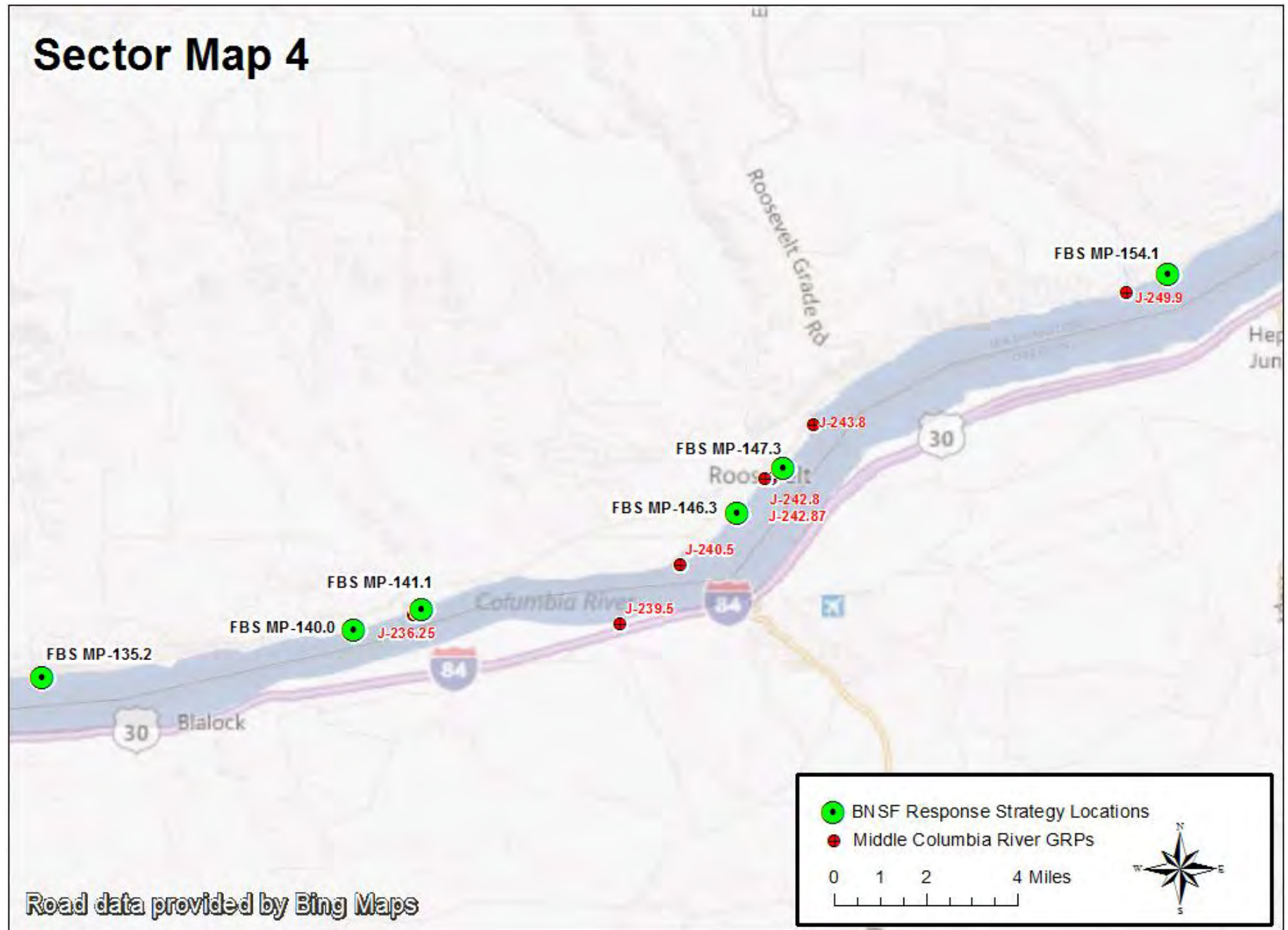
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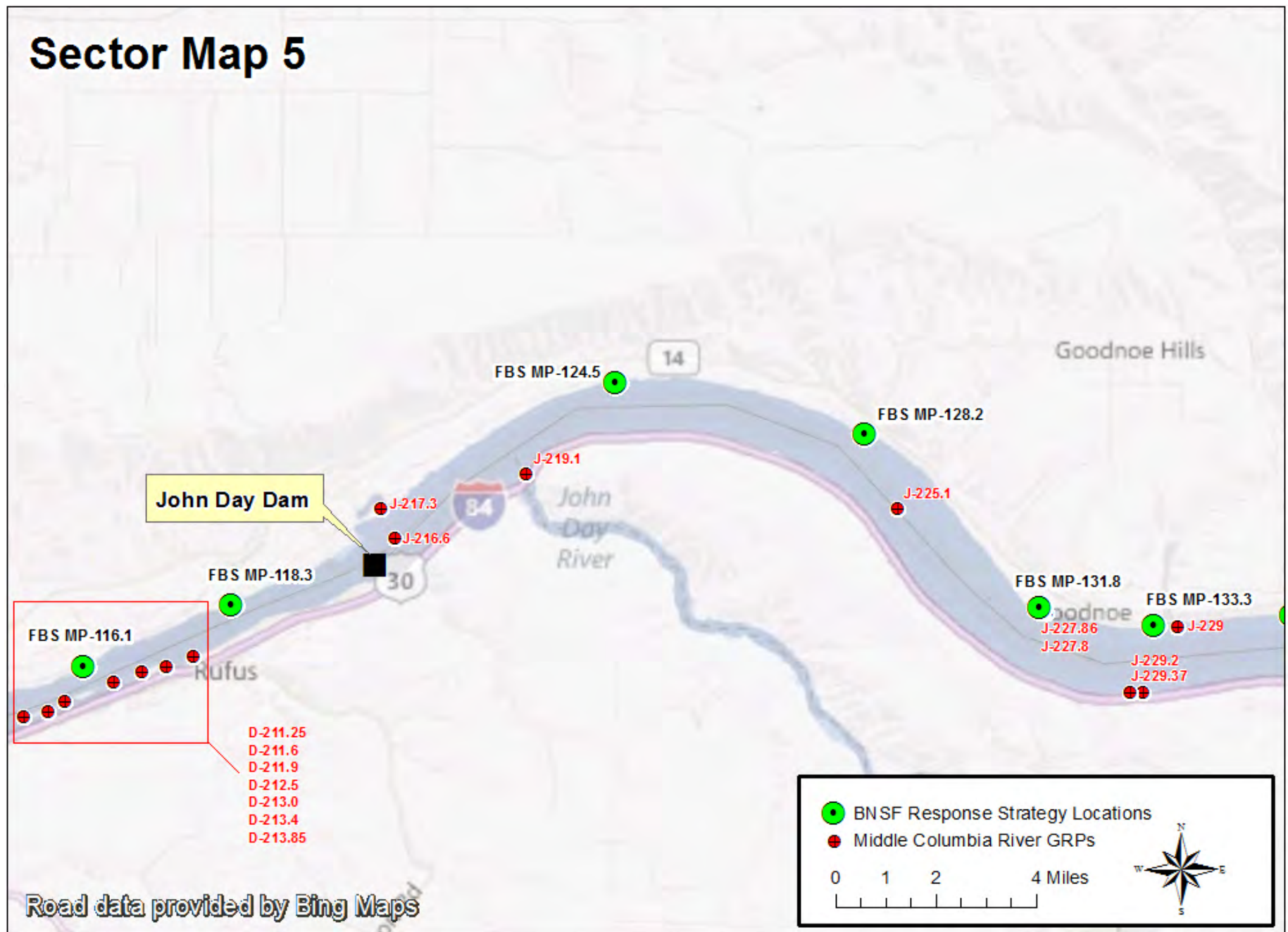
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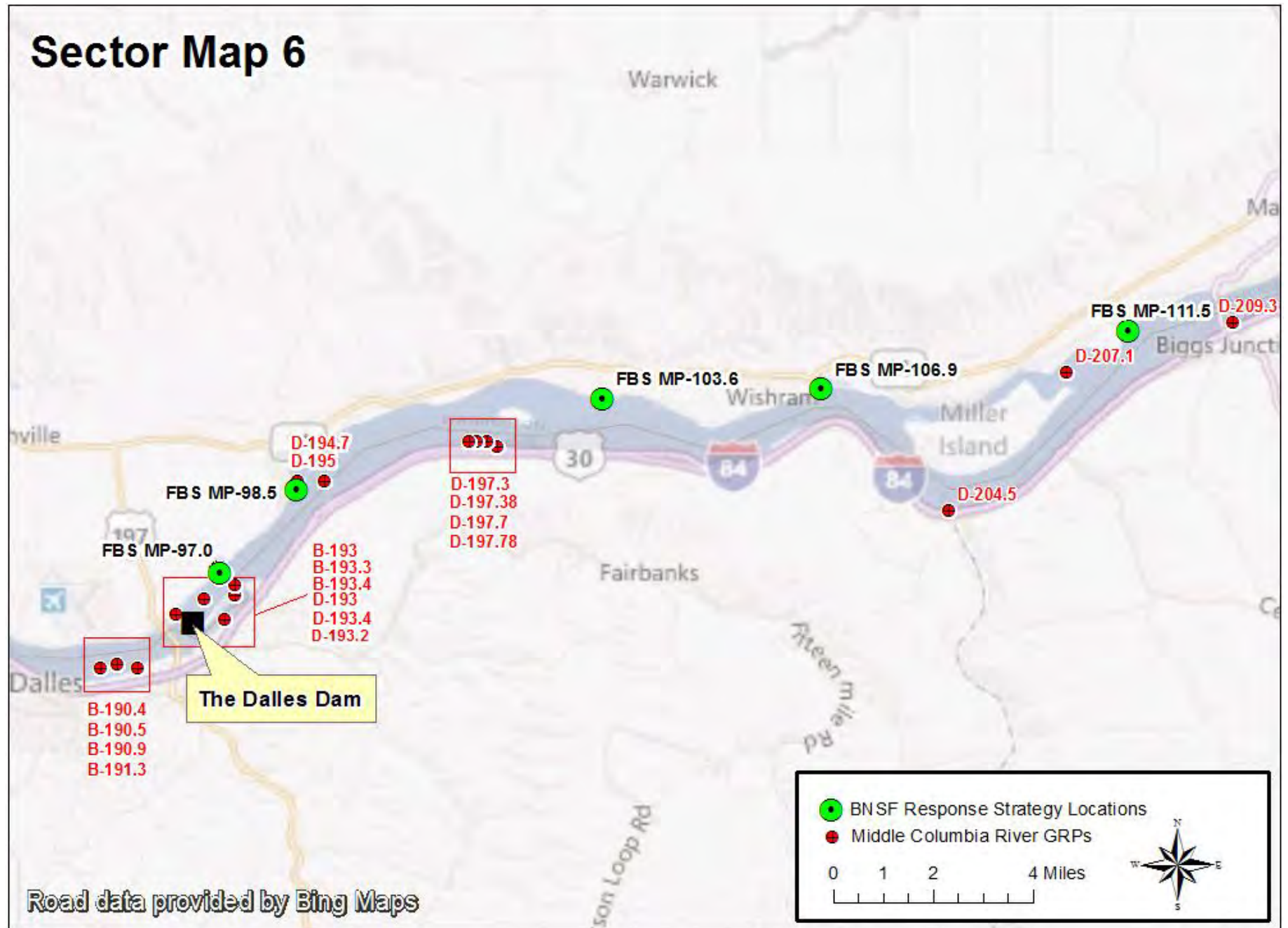
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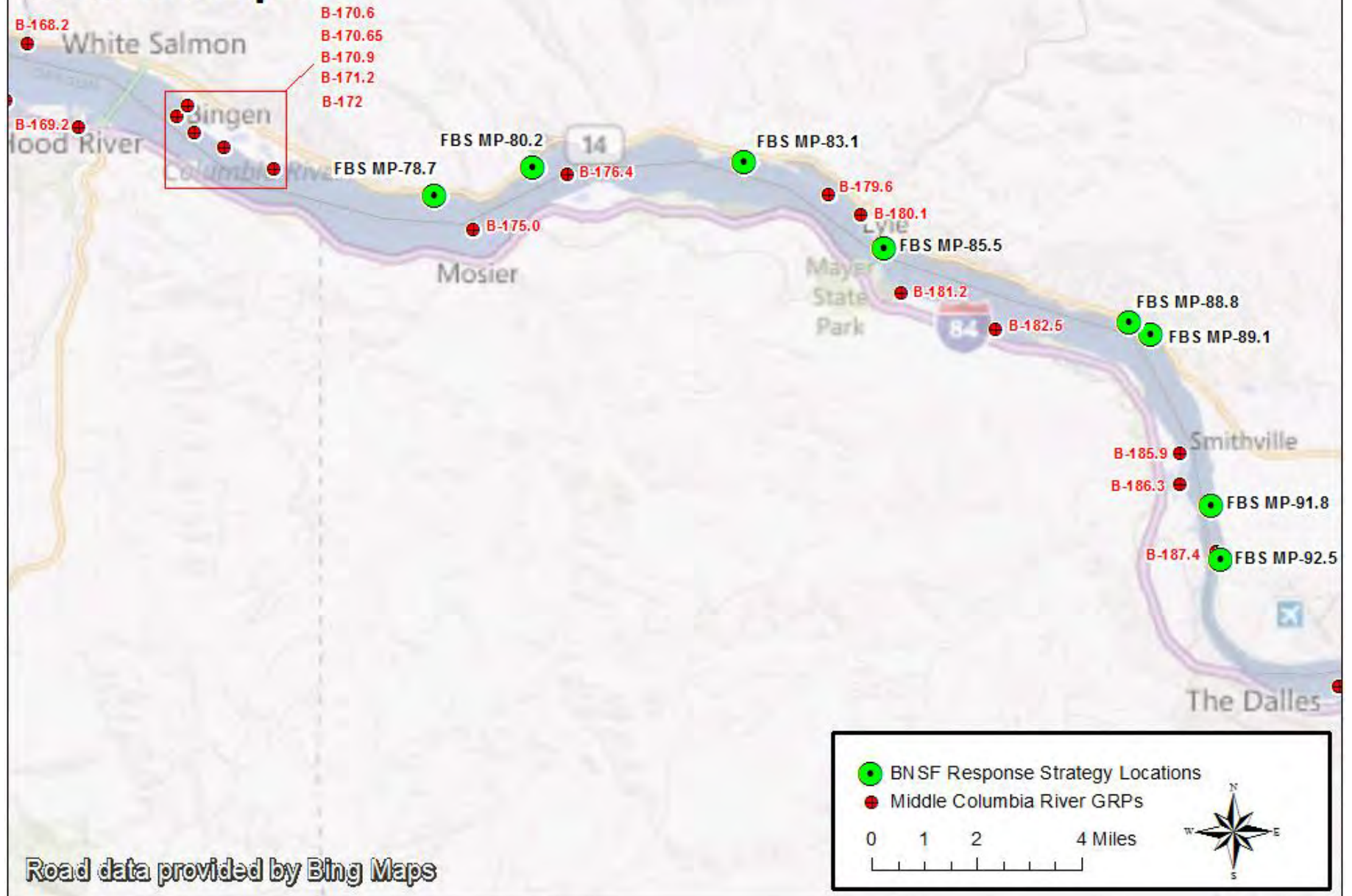
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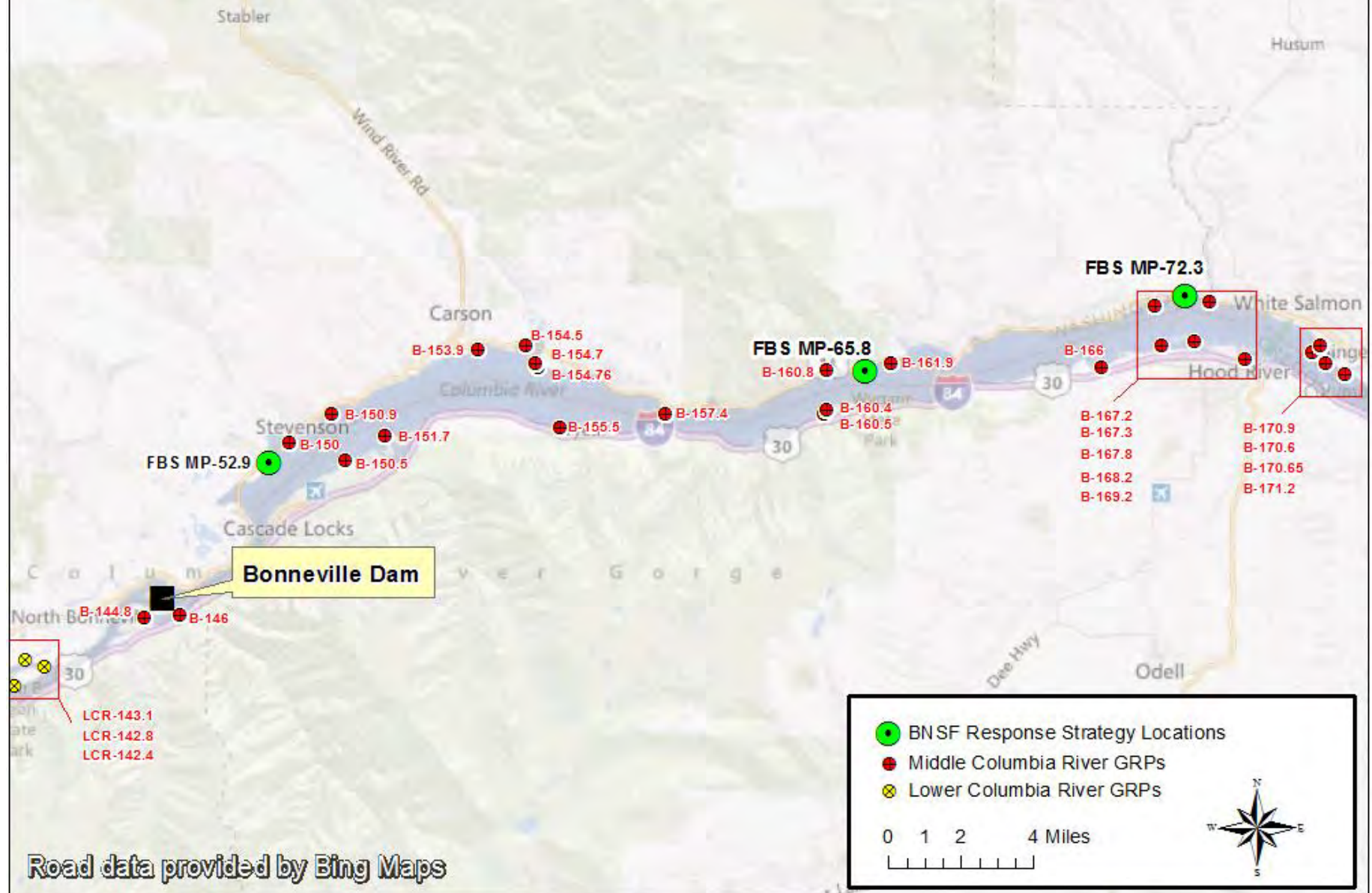
Sector Map 6



Sector Map 7



Sector Map 8



Sector Map 9



Fallbridge Sub - Oil Spill Control Points (CCPs)

Strategy Number	Location	Strategy Type	Boom Length	Boat Req?	StagingArea	Resources at Risk	Comments	Sector Map (Page#)	Strategy Details (Page#)
FBS MP-220.3	RM 318.2 Hover Park N46.113895 W118.97152	Collection	1000ft	Yes	On-Site	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE McNary control room 541-922-2231. Boat Launches; 335 Clover island dr. Kennewick, WA. Strategy location is adjacent to Wildlife Management Area - Call: 509-527-7136.	2-4	4-1
FBS MP-216.5	RM 314.3 Across River from Wallula Junction N46.060394 W118.951471	Collection	1000ft	Yes	On-Site	Downstream habitat, fresh water wildlife.	Call BNSF, Notify USACE McNary control room 541-922-2231. Boat Launches; 335 Clover island dr. Kennewick, WA.; Hat Rock ST. Park US 730, 9 mi. E of Umatilla . *Note: Temporary under track piping needed for recovery **Coordinate w/ BNSF Railway	2-4	4-3

Fallbridge Sub - Oil Spill Control Points (CCPs)

Strategy Number	Location	Strategy Type	Boom Length	Boat Req?	StagingArea	Resources at Risk	Comments	Sector Map (Page#)	Strategy Details (Page#)
FBS MP-213.4	RM 311.0 Vicinity of Yellepit Pond N46.021467 W118.973525	Collection	1000ft	Yes	Off-Site	Downstream habitat, fresh water wildlife.	Call BNSF, Notify USACE McNary control room 541-922-2231. Boat Launches; 335 Clover island dr. Kennewick, WA.; Hat Rock ST. Park US 730, 9 mi. E of Umatilla. **Contact WADFW for accessibility (800) 258-5990	2-4	4-5
FBS MP-206.1	RM 303.8 Upstream from Spukshowki Canyon (Pond) N45.954701 W119.086051	Collection	1000ft	Yes	Off-Site	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.	Call BNSF, Notify USACE McNary control room 541-922-2231. Boat Launches; Hat Rock ST. Park US 730, 9 mi. E of Umatilla;335 Clover island dr. Kennewick, WA.	2-5	4-7
FBS MP-204.5	RM 302.0 Downstream of Spukshowki Canyon (Pond) N45.943443 W119.114321	Collection	1000ft	Yes	On-Site: Boat Launches; Hat Rock ST. Park US 730, 9 mi. E of Umatilla ; 335 Clover island dr. Kennewick, WA.	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.	Call BNSF, Notify USACE McNary control room 541-922-2231. **CONTACT Easterday Farms (509) 547-9600 (access through private property). Coordinate track protection with BNSF	2-5	4-9

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Strategy Number	Location	Strategy Type	Boom Length	Boat Req?	StagingArea	Resources at Risk	Comments	Sector Map (Page#)	Strategy Details (Page#)
FBS MP-204.0	RM 301.0 Upstream of Hat Rock State Park N45.922861 W119.121343	Exclusion	1000ft	Yes	On-Site	Pump Station Intake. Downstream habitat, fresh water wildlife.	Call BNSF, Notify USACE McNary control room 541-922-2231. Boat Launches; Hat Rock ST. Park US 730, 9 mi. E of Umatilla OR., 2 miles W. of staging area.	2-5	4-13
FBS MP-202.7	RM 300.0 Upstream & Across from Hat Rock State Park N45.936904 W119.152721	Collection	1000ft	Yes	On-Site Siding available for staging equipment, liquid recovery. Boat Launches; Hat Rock ST. Park US 730, 9 mi. E of Umatilla OR.	Pump Station Intake. Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE McNary 541-922-2231. **CONTACT Easterday Farms (509) 547-9600 (access through private property). Coordinate track protection with BNSF	2-5	4-11
FBS MP-198.0	RM 295.0 Upstream of I-82 Bridge & McNary Dam N45.945859 W119.244456	Collection	1000ft	Yes	On-Site	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE McNary control room 541-922-2231. Boat Launches; McNary Rd. 3miles W. at Dam, Hat Rock ST. Park US 730, 9 mi. E of Umatilla OR. *Note: On-water collection only.	2-5	4-15

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Strategy Number	Location	Strategy Type	Boom Length	Boat Req?	StagingArea	Resources at Risk	Comments	Sector Map (Page#)	Strategy Details (Page#)
FBS MP-196.4	RM 293.5 Upstream of I-82 Bridge & McNary Dam N45.946705 W119.276534	Collection	1000ft	Yes	On-Site	Pump Station Inlet.Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE McNary control room 541-922-2231. Boat Launches; McNary Dam Rd.	2-5	4-17
FBS MP-187.2	RM 284.5 Columbia River N45.918832 W119.46002	Collection	1000ft	Yes	On-Site	Downstream habitat, fresh water wildlife.	Call BNSF Notify USACE John Day control room 541-298-9712, Boat Launches; Plymouth Park , Christie Rd. WA . Good site Access, use traffic control on single lane gravel road traveling to site.	2-6	4-19
FBS MP-174.4	RM 271.5 Vicinity of Glade Creek N45.88601 W119.695959	Collection	1000ft	Yes	On-Site Contact American Gravel at (509) 375-1021	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE John Day control room 541-298- 9712. Boat Launches; Crow Butte Park , Paterson, WA 99345	2-6	4-21

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Strategy Number	Location	Strategy Type	Boom Length	Boat Req?	StagingArea	Resources at Risk	Comments	Sector Map (Page#)	Strategy Details (Page#)
FBS MP-168.9	RM 265.0 North of Crow Butte Island (East End) N45.864609 W119.806117	Deflection, Collection	1500ft	Yes	On-Site	Pump Station. Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; Crow Butte Park , Paterson, WA 99345. Additional Staging area available at Hwy 14 access point (BNSF Laydown yard)	2-6	4-23
FBS MP-161.7	RM 258.6 Vicinity of Alder Creek N45.835027 W119.931542	Collection	1100ft	Yes	On-Site Use outside of BIA Treaty site gate if possible, contact BIA Portland if access is needed (503) 231-6702	Downstream habitat, fresh water wildlife. OK - Inland & Nearby Upstream	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; Crow Butte Park , Paterson, WA 99345 Also able to access the east side of Alder Creek by taking Alderdale Rd. then first left, follow under bridges.	2-6	4-25
FBS MP-154.1	RM 251.2 Upstream from Pine Creek N45.79278 W120.073185	Collection	1000ft	Yes	On-Site Contact BIA Portland Office (503) 231-6702	N45.660322 W120.951469	Call BNSF, Notify USACE John day control room 541-298-9712. Boat Launches; approx 500 ft S.W. Of staging area . Good site, access.	2-7	4-27

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FBS MP-147.3	RM 244.5 Columbia River N45.750232 W120.194614	Collection	1000ft	Yes	On-Site	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE John Day control room 541-298-9712 Boat Launches; Roosevelt Ferry Rd. 3 miles S.W. Of staging area . Great Access, Lots of room, easy shore access, can launch small skiffs from shore location	2-7	4-29
FBS MP-146.3	RM 243.5 Columbia River N45.740394 W120.209248	Collection	1000ft	Yes	On-Site	Downstream habitat, fresh water wildlife.	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; Roosevelt Ferry Rd. 3000 ft S.W. Of staging area .	2-7	4-31
FBS MP-141.1	RM 237.7 Upstream of Chapman Creek N45.718988 W120.308852	Collection	1000ft	Yes	On-Site Call BIA to access boat launch (503) 231-6702	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; End of Sundale Rd. 3000 ft W. Of staging area . *Note: On water collection only or by temporary crossing provided by BNSF	2-7	4-33

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Strategy Number	Location	Strategy Type	Boom Length	Boat Req?	StagingArea	Resources at Risk	Comments	Sector Map (Page#)	Strategy Details (Page#)
FBS MP-140.0	RM 236.5 Downstream from Chapman Creek N45.714697 W120.330146	Collection	1000ft	Yes	On-Site	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; End of Sundale Rd. 3000 ft W. Of staging area . Pickup truck access initially, use backhoe with some delivered gravel to improve road for vac trucks	2-7	4-35
FBS MP-135.2	RM 231.7 Upstream from Paterson Slough & Rock Creek N45.70423 W120.428627	Collection	1000ft	Yes	On-Site	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; off US 14, 1 mile W. Of staging area, Paterson slough .	2-7	4-37

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Strategy Number	Location	Strategy Type	Boom Length	Boat Req?	StagingArea	Resources at Risk	Comments	Sector Map (Page#)	Strategy Details (Page#)
FBS MP-133.3	RM 229.7 Vicinity of Paterson Slough & Rock Creek N45.702189 W120.468237	Collection	1300ft	Yes	On-Site	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; off US 14, 2 miles W. Of staging area . Not good access from land, will take time to establish, consider only on-water recovery initially	2-8	4-39
FBS MP-131.8	RM 227.5 Downstream from Paterson Slough & Rock Creek N45.705857 W120.501204	Collection	1000ft	Yes	On-Site Contact BIA Portland office for access (503) 231-6702	Downstream habitat, fresh water wildlife.	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; at staging area . Large staging area at park for more equipment	2-8	4-41
FBS MP-128.2	RM 224.1 Columbia River N45.740813 W120.551691	Collection	1000ft	Yes	On-Site Contact BIA Portland Office (503) 231-6702 for site access	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF Notify USACE John Day control room 541-298-9712. Boat Launches; off US 14, 3.5 miles E. Of staging area. *Note collection area is part of the Tribal Treaty fishing right of way	2-8	4-43

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Strategy Number	Location	Strategy Type	Boom Length	Boat Req?	StagingArea	Resources at Risk	Comments	Sector Map (Page#)	Strategy Details (Page#)
FBS MP-124.5	RM 220.7 Upstream and North of John Day River N45.7511 W120.623767	Collection	1000ft	Yes	On-Site	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; off US 14, John Day Dam Rd. 4 miles W. Of staging area .	2-8	4-45
FBS MP-118.3	RM 214.5 Upstream of Hartley Canyon N45.706449 W120.73436	Collection	1000ft	Yes	On-Site Only hand-launch boat access available at strategy site. FRV must use French Giles Park across river; see directions.	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE Dalles control room 541-298-7505. Boat Launches; 1 mile E. of staging area, John Day Dam Rd., WA.	2-8	4-47
FBS MP-116.1	RM 211.8 Upstream of Hwy 97 Bridge N45.69392 W120.777116	Collection	1000ft	Yes	On-Site Good staging near strategy site, approximately 300' to the east of the collection point.	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE Dalles control room 541-298-7505. Boat Launches; 2.5 mile W. of staging area, Maryhill St. Park, WA. *Note: Due to terrain issues FRV will need to assist with recovery	2-8	4-49

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Strategy Number	Location	Strategy Type	Boom Length	Boat Req?	StagingArea	Resources at Risk	Comments	Sector Map (Page#)	Strategy Details (Page#)
FBS MP-111.5	RM 207.7 Downstream of Hwy 97 Bridge N45.672139 W120.862457	Collection	1000ft	Yes	On-Site Great access, limited space (no tractor trailers)	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE Dalles control room 541-298-7505. Boat Launches; 2 miles E. of staging area, Maryhill State Park, WA. *Note: Due to terrain issues FRV/Skiff will need to assist with recovery	2-9	4-51
FBS MP-106.9	RM 203.0 Upstream of Rail Bridge N45.660322 W120.951469	Collection	1000ft	Yes	On-Site Additional Boat Launch directly across the river from railyard at the Celilo exit off of I-84.	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE Dalles control room 541-298-7505. Access river from east end of rail yard to west end. Boom within these limits to control & contain spill. Boat Launch across river (Celilo) and 5 miles downstream at Avery Recreation Area (Lyle, WA).	2-9	4-53

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Strategy Number	Location	Strategy Type	Boom Length	Boat Req?	StagingArea	Resources at Risk	Comments	Sector Map (Page#)	Strategy Details (Page#)
FBS MP-103.6	RM 199.6 Downstream of Rail Bridge N45.65848 W121.014833	Collection	1000ft	Yes	On-Site	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.	Call BNSF, Notify USACE Dalles control room 541-298-7505. Boat Launches; 1 mile NW. of staging area, Avery Recreation area. Direction bank/water access from the access road for approximately 1.5 miles for additional containment/recovery.	2-9	4-55
FBS MP-98.5	RM 194.2 Horsethief Lake State Park N45.639909 W121.103485	Collection	1000ft	Yes	On-Site Large staging area at park for equipment. Good recovery access but only 80-70bbl able to fit at recovery location.	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.	Call BNSF, Notify USACE 541-298-7505. Boat Launch is available at recovery location for smaller skiffs/FRVs.	2-9	4-57
FBS MP-97.0	RM 193.0 Vicinity of Little Spearfish Lake & Threemile Creek N45.623275 W121.125544	Collection	1000ft	Yes	On-Site Lots of room, great staging area with easy access to water	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.	Call BNSF, Notify USACE 541-298-7505. Boat Launches; 1.5 miles SW of staging area, Dalles Dam. Property owned by Port of Klickitat; coordinate with port by calling 509-493-1655.	2-9	4-59

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FBS MP-92.5	RM 187.7 Columbia River N45.628377 W121.192986	Collection	1000ft	Yes	On-Site	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE 541-374-8338. Boat Launches; I-84, Brewery rd., 2 miles W. of the Dalles Bridge, OR side. *Note: Terrain is navigatable; however ropes may be needed to assist with travel up and down to collection area	2-10	4-61
FBS MP-91.8	RM 187.0 Columbia River N45.638914 W121.195561	Collection	1000ft	Yes	On-Site Limited access for 80 or 70 bbl vacuum truck.	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE control room 541-374-8338. Boat Launches; I-84, Brewery rd., 2 miles W. of the Dalles Bridge, OR side.	2-10	4-63

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FBS MP-89.1	RM 184.5 North of Squally Point N45.67191 W121.212121	Collection	1000ft	Yes	Off-Site	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE control room 541-374-8338. Boat Launches; 4 miles W. of staging area, Cove rd, Lyle, WA. *Note: WATER ACCESS ONLY. No access from highway; No shoulder for vehicles or access by foot.	2-10	4-65
FBS MP-88.8	RM 184.3 North of Squally Point N45.67412 W121.218424	Collection	1000ft	Yes	Off-Site Recovery would take place from Hwy shoulder; shoulder closure and traffic control needed for safety.	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE control room 541-374-8338. Boat Launches; 4 miles W. of staging area, Cove rd, Lyle, WA *No crossing available, temporary crossing or pipe under track will need to be installed for recovery. FRV/Skiff may be needed to assist.	2-10	4-67

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FBS MP-85.5	RM 180.9 Upstream of Klickitat River N45.688285 W121.285962	Collection	1000ft	Yes	On-Site Site has good staging. Access available for 80 bbl vacuum truck only (or similar size).	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE control room 541-374-8338. Boat Launches; 500 ft W. of staging area, Cove rd, Lyle, WA. *Note terrain issues. Small skiff will be needed to assist with recovery efforts	2-10	4-69
FBS MP-83.1	RM 178.75 Chamberlain Lake Rest Area N45.705029 W121.324553	Collection	1000ft	Yes	Off-Site: NO SHORE ACCESS – WATER ONLY; Terrain too steep for land side recovery	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE control room 541-374-8338. Boat Launches; 2.5 miles W. of staging area, Cove rd, Lyle, WA. *On-water collection only. Terrain too steep for land side recovery.	2-10	4-71

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FBS MP-80.2	RM 175.9 Vicinity of Rowland Lake N45.704099 W121.383018	Collection	1000ft	Yes	On-Site Great location but will need temporary track crossing for any extended duration cleanup/recovery.	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE Bonneville control room 541-374-8338. Boat Launches; 4.5 miles W. of staging area, Marina Park, Bingen, WA. *Note: No crossing available, temporary crossing or pipe under track will need to be installed for recovery.	2-10	4-73
FBS MP-78.7	RM 174.3 Vicinity of Look Lake N45.698578 W121.409987	Collection	1000ft	Yes	On-Site No good access or parking off Hwy 14; limited along shoulder. Temporary track crossing needed if cleanup extended.	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE Bonneville control room 541-374-8338 Boat Launches; 3 miles W. of staging area, Marina Park, Bingen, WA.	2-10	4-75

Fallbridge Sub - Oil Spill Control Points (CCPs)

Strategy Number	Location	Strategy Type	Boom Length	Boat Req?	StagingArea	Resources at Risk	Comments	Sector Map (Page#)	Strategy Details (Page#)
FBS MP-72.3	RM 167.7 Vicinity of White Salmon River N45.729341 W121.531985	Collection	1300ft	Yes	On-Site	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Notify USACE Bonneville control room 541-374-8338 Boat Launches; Cook Underwood RD. just N. of staging area. *Note: No crossing available, temporary crossing or pipe under track will need to be installed for recovery.	2-11	4-77
FBS MP-65.8	RM 161.4 Downstream of Drano Lake N45.708453 W121.659588	Collection	1500ft	Yes	On-Site Great location, tight access with boat trailers to launch and park. 80 bbl or similar vacuum truck only (or similar size).	Downstream habitat, fresh water wildlife.	Call BNSF, Notify USACE Bonneville control room 541-374-8338. Tribal Fishing Area in vicinity of strategy location. Boat Launch at site. Another nearby Boat Launch at Drano Lake near Hwy MP 57.	2-11	4-79
FBS MP-52.9	RM 149.5 North of Cascade Locks N45.683177 W121.897696	Collection	1000ft	Yes	On-Site	Downstream habitat, fresh water wildlife.	Call BNSF, Notify USACE Bonneville control room 541-374-8338 Boat Launches; Port Docks 1 mile N. Stevenson, WA.	2-11	4-81

Fallbridge Sub - Oil Spill Control Points (CCPs)

Strategy Number	Location	Strategy Type	Boom Length	Boat Req?	StagingArea	Resources at Risk	Comments	Sector Map (Page#)	Strategy Details (Page#)
FBS MP-44.3	RM 141.2 Vicinity of Woodard Creek N45.619275 W122.019461	Collection	1500ft	Yes	On-Site Great location and Staging Area	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF. Call USFWS at 360-607-2698, 360- 835-8767, or 360-887- 4106; creek runs through Pierce National Wildlife Refuge. Boat Launches; 100 ft NE of staging area (Moorage Rd).	2-12	4-83
FBS MP-43.3	RM 140.2 North of McGowans Channel N45.614932 W122.039694	Containment	200ft	Yes	On-Site	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF, Call USACE. Boat Launch ~1000ft NE of Staging Area on Moorage Rd. Boat access states "Skamania Landing Owners Association Only" - Need permission. Can deploy boom by hand using lines if needed.	2-12	4-85
FBS MP-41.0	RM 137.2 Franz Lake N45.603522 W122.084135	Containment	100ft	Yes	On-Site	Downstream habitat, fresh water wildlife.	Call BNSF, Call USACE. Call USFWS (Franz Lake Wildlife Refuge) at 360- 607-2698, 360-835- 8767, or 360-887-4106.	2-12	4-87

Fallbridge Sub - Oil Spill Control Points (CCPs)

Strategy Number	Location	Strategy Type	Boom Length	Boat Req?	StagingArea	Resources at Risk	Comments	Sector Map (Page#)	Strategy Details (Page#)
FBS MP-34.0	RM 131.0 Vicinity of Cape Horn North of Sand Island N45.563003 W122.210743	Collection	1000ft	Yes	Off-Site	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.	Call BNSF, Boat Launches; 10miles W. of staging area Port of Camas Washougal. NO SHORESIDE ACCESS FOR RECOVERY, WATER ONLY.	2-12	4-89
FBS MP-31.4	RM 128.0 Lawton Creek at Columbia River N45.555097 W122.267233	Collection	1100ft	Yes	On-Site	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.	Call BNSF, Boat Launches; 7 miles W. of staging area Port of Camas Washougal, 24 South A Street, Washougal, WA 98671.?	2-12	4-91
FBS MP-29.7	RM 126.3 Gibbons Creek at Columbia River N45.559042 W122.301344	Containment	100ft	No	On-Site	Downstream habitat, fresh water wildlife.	Call BNSF. Call USACE. Call USFWS (Steigerwald Lake National Wildlife Refuge) at 360-607-2698, 360-835-8767, or 360-887-4106.	2-12	4-93

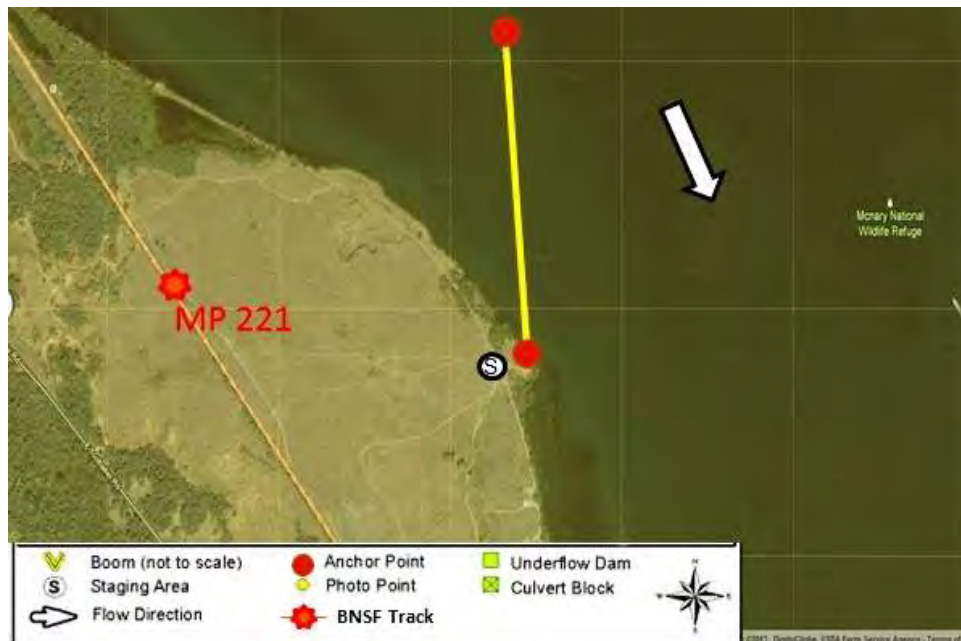
Fallbridge Sub - Oil Spill Control Points (CCPs)

Strategy Number	Location	Strategy Type	Boom Length	Boat Req?	StagingArea	Resources at Risk	Comments	Sector Map (Page#)	Strategy Details (Page#)
FBS MP-28.8	Gibbons Creek at Hwy 14 N45.571112 W122.315856	Containment	100ft	No	On-Site Good access & upstream collection point on creek.	Downstream habitat, fresh water wildlife. Sensitive resources nearby.	Call BNSF. Call USACE. East side of bridge will allow access into Steigerwald Lake National Wildlife Refuge, heading towards river; coordinate access with USFWS (Ridgefield National Wildlife Refuge Complex) at 360-887-4106.	2-12	4-95

RM 318.3 - Hover Park

FBS MP-220.3

Position - Location:	46.11390	-118.97152	Kennewick, WA (Benton County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 46.113895, -118.971520, tow boom with FRV upstreamto a point N.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE McNary control room 541-922-2231. Boat Launches; 335 Clover island dr. Kennewick, WA. Strategy location is adjacent to Wildlife Management Area - Call: 509-527-7136.		
Watercourse:	River - River Below a Dam - Middle Columbia River - McNary Pool Area - Lake Wallula		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

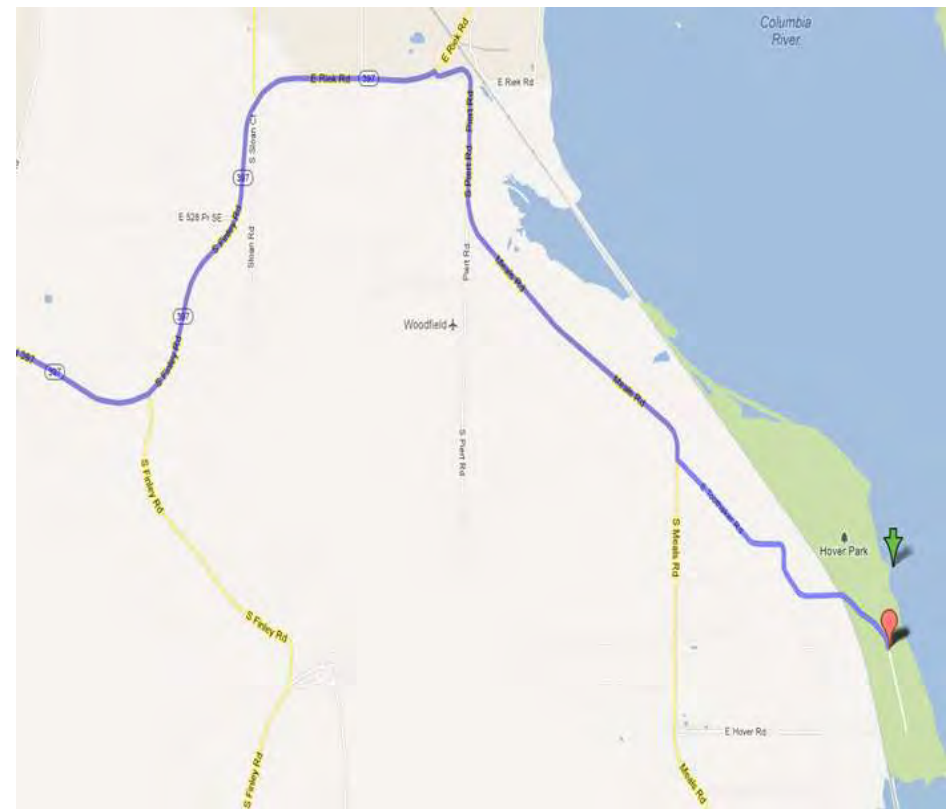
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Post Driver
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) (with Truck Operator) - 70bbl or 80bbl only
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-220.3 Photo: Collection site.



SiteContact

No Information

NearestAddress

E Cashman Road
Kennewick, WA 99337

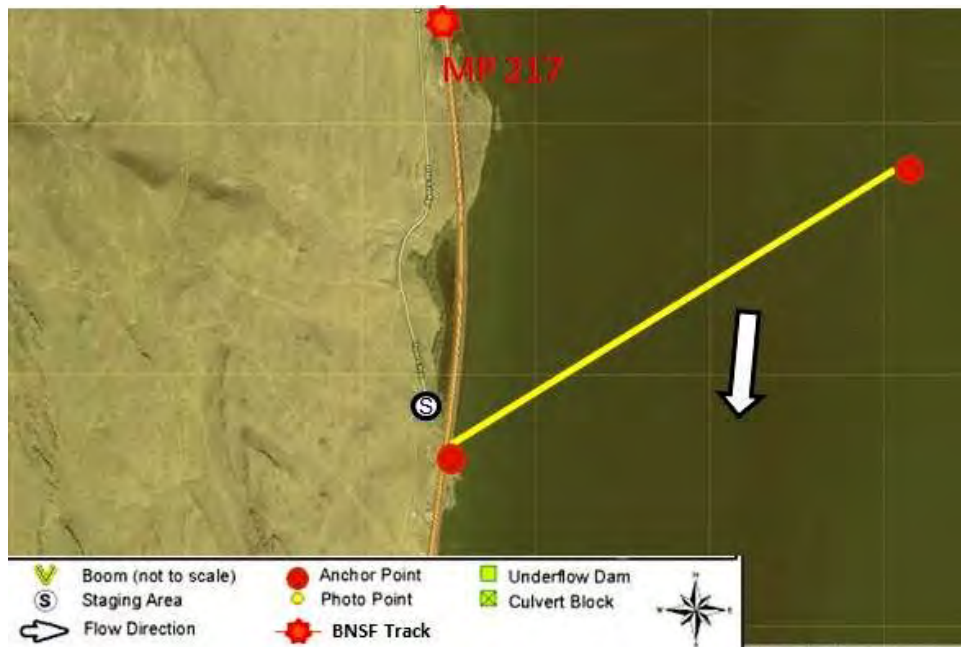
DrivingDirections

1. Head northeast on I-82 W 1.9 mi
2. Take exit 114 for Locust Grove Rd 0.3 mi
3. Turn right onto WA-397 N/Locust Grove Rd Continue to follow WA-397 N 10. 4 m
4. Turn right onto Piert Rd 0.6 mi
5. Slight left onto Meals Rd 1.4 mi
6. Turn left onto E Toothaker Rd straight thru to crossing
7. Follow dirt road to left 2200 ft.

RM 314.3 - Across River from Wallula Junction

FBS MP-216.5

Position - Location:	46.06039	-118.951471	Kennewick, WA (Benton County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 46.060394, -118.951471, tow boom with FRV upstreamto a point N.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. Use culvert blocking system to stop flow into or out of pond N. of staging position. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE McNary control room 541-922-2231. Boat Launches; 335 Clover island dr. Kennewick, WA.; Hat Rock ST. Park US 730, 9 mi. E of Umatilla . *Note: Temporary under track piping needed for recovery **Coordinate w/ BNSF Railway		
Watercourse:	River - River Below a Dam - Middle Columbia River - McNary Pool Area - Lake Wallula		
Resources_atRisk:	Downstream habitat, fresh water wildlife.		



Recommended Equipment

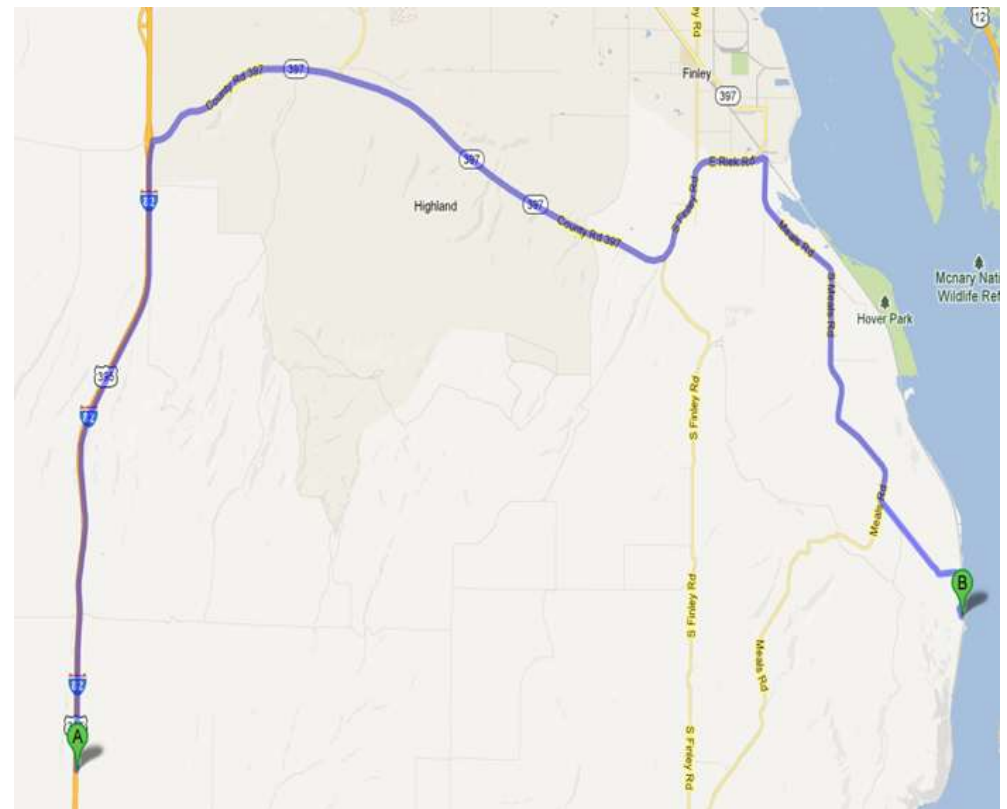
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV) w/ Towing bridle (sized for boom)
1	Each	Post Driver, 2 Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Culvert Blocking Systems
1	Each	Near Shore Skimming System (w/ add'l pump and storage)
1	Each	Under Track Piping (50' steel piping, 200' of 2" hose)
1	Each	Vac Truck(s) - 70 or 80 bbl only

Recommended Personnel

1	Supervisor(s)
3	Laborer(s) (5 needed initially for setup of undertrack piping)
1	Boat Operator(s)



FBS-216.5 Photo: Collection area.

**SiteContact**

No Information

NearestAddress

Ayers Road
Kennewick, WA 99337

DrivingDirections

1. Head north on I-82 W
2. Take exit 114 for Locust Grove Rd 0.3 mi
3. Turn right onto WA-397 N/Locust Grove Rd - Continue to follow WA-397 N 10.4 mi
4. Turn right onto Piert Rd 0.6 mi
5. Slight left onto Meals Rd 4.4 mi
6. Turn left onto Ayers Rd Destination will be on the left 2.0 mi, no crossing

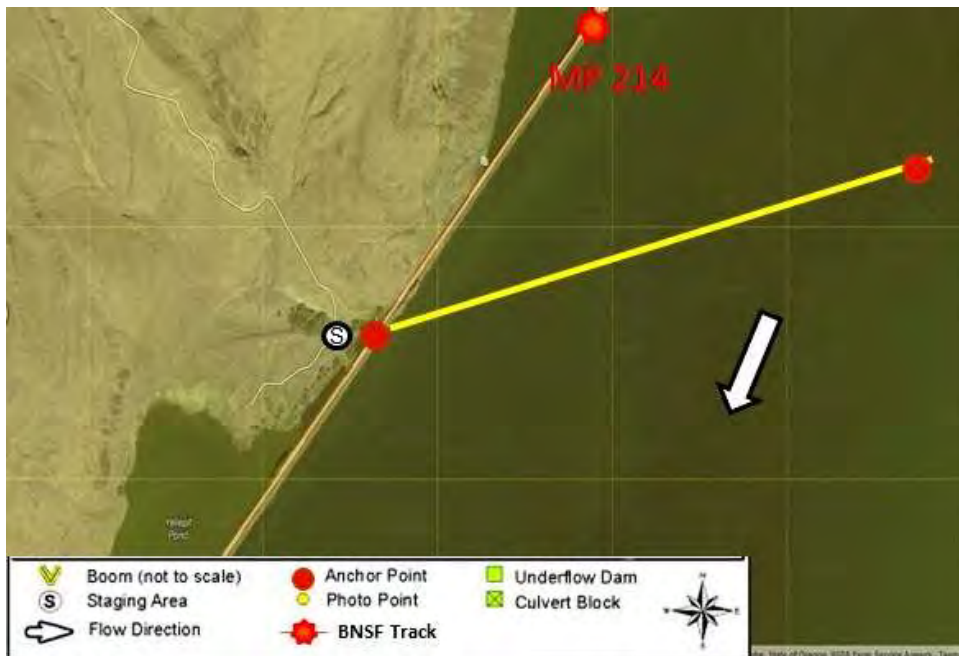


*Note: Temporary crossing will need to be installed

RM 311.0 - Vicinity of Yellepit Pond

FBS MP-213.4

Position - Location:	46.02147	-118.973525	Kennewick, WA (Benton County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 46.021467, -118.973525, tow boom with FRV upstreamto a point N.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	Off-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE McNary control room 541-922-2231. Boat Launches; 335 Clover island dr. Kennewick, WA.; Hat Rock ST. Park US 730, 9 mi. E of Umatilla. **Contact WADFW for accessibility (800) 258-5990		
Watercourse:	River - River Below a Dam - Middle Columbia River - McNary Pool Area - Lake Wallula		
Resources_atRisk:	Downstream habitat, fresh water wildlife.		



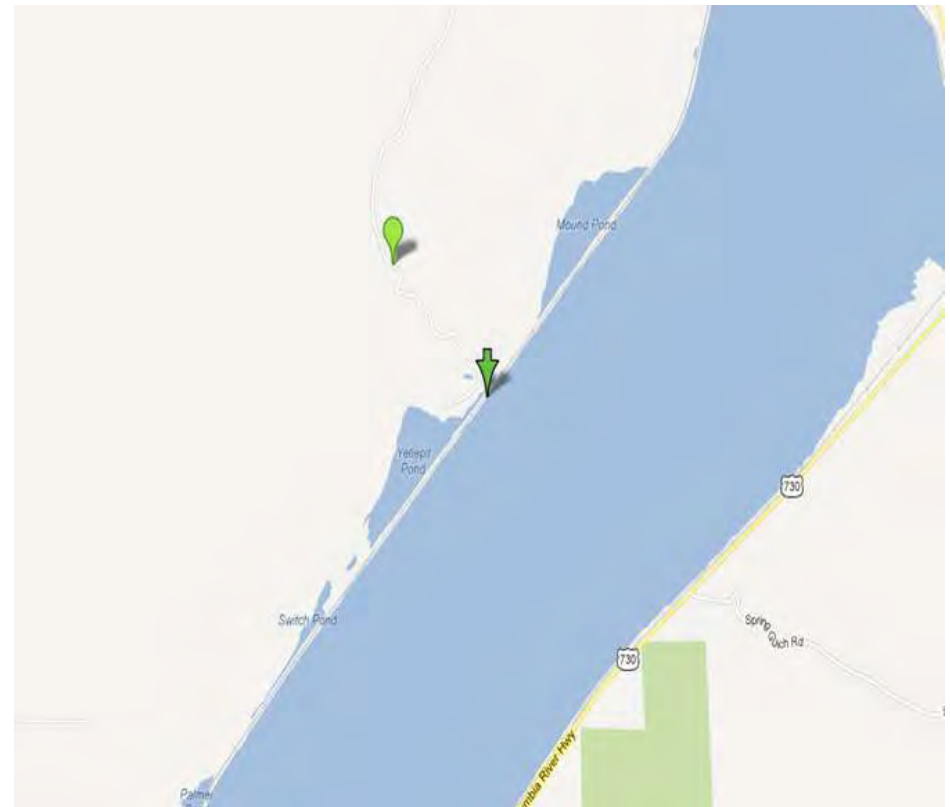
Recommended Equipment

1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV) & Towing bridle (sized for boom)
2	Each	Anchor Post(s) & 1 Post Driver
4	Each	Anchor systems (anchor, lines and floats)
4	Each	Culvert Blocking Systems
50	Feet	Steel Pipe (2")
1	Each	Vac Truck(s) (with Truck Operator) - 70bbl or 80bbl only
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
5	Laborer(s) - (2 techs needed for pipe setup)
1	Boat Operator(s)

No Photograph Available



SiteContact

No Information

NearestAddress

(Need Address Nearest Staging Area or Boat Launch Location)

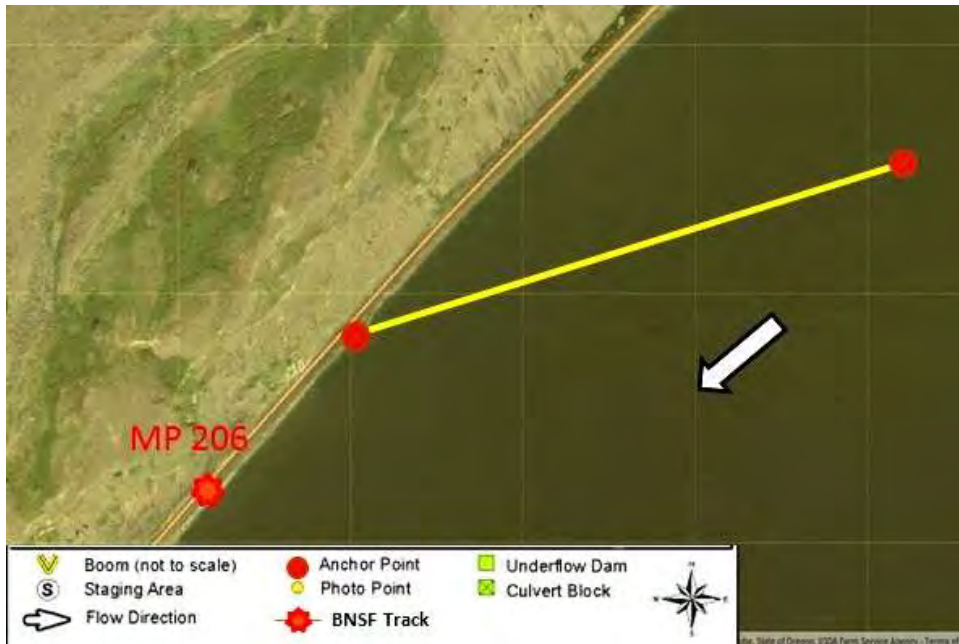
DrivingDirections

(Need Directions to Staging or Boat Launch Location)

RM 303.8 - Upstream from Spukshowki Canyon (Pond)

FBS MP-206.1

Position - Location:	45.95470	-119.086051	Kennewick, WA (Benton County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.954701, -119.086051, tow boom with FRV upstreamto a point E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	Off-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE McNary control room 541-922-2231. Boat Launches; Hat Rock ST. Park US 730, 9 mi. E of Umatilla;335 Clover island dr. Kennewick, WA.		
Watercourse:	River - River Below a Dam - Middle Columbia River - McNary Pool Area - Lake Wallula		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



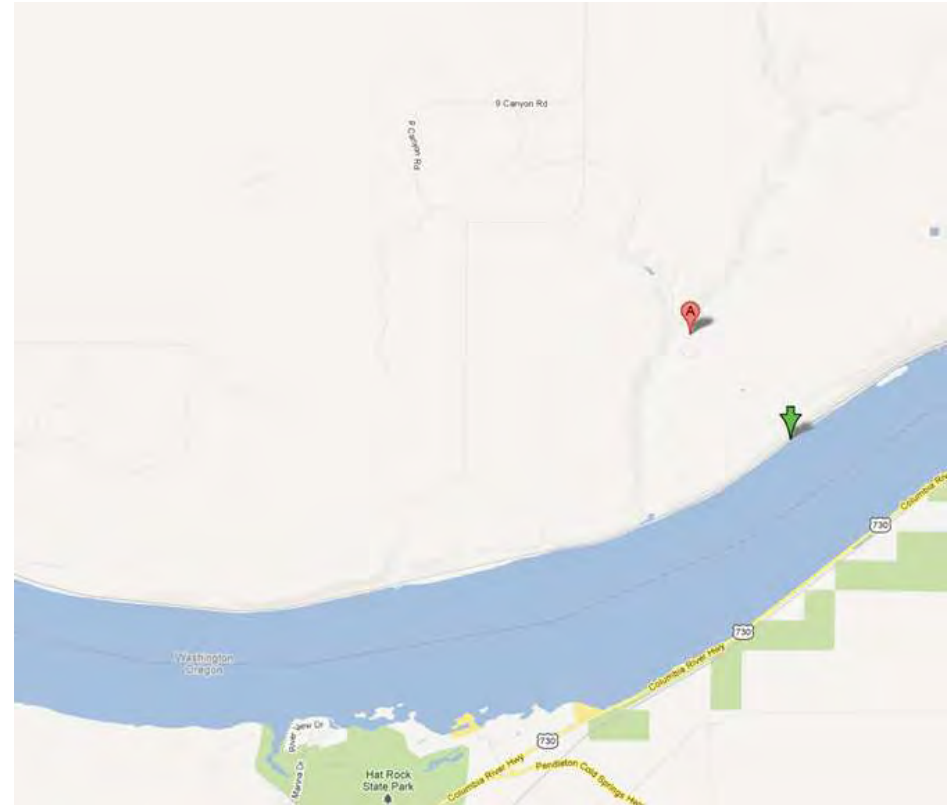
Recommended Equipment

1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Post Driver
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	ON-WATER STORAGE
1	Each	Near shore skimming system or OSRV

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)

No Photograph Available



SiteContact

No Information

NearestAddress

9 miles east of Umatilla, OR off of Hwy 730 (Hat Rock State Park)

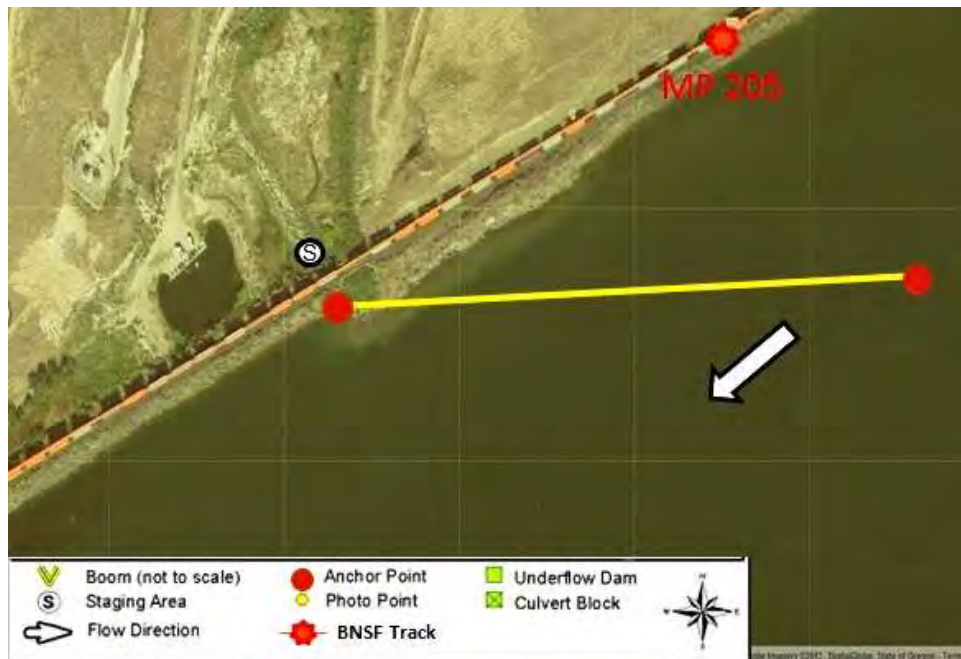
DrivingDirections

Stage at Hat Rock State Park

RM 302.0 - Downstream of Spukshowki Canyon (Pond)

FBS MP-204.5

Position - Location:	45.94344	-119.114321	Kennewick, WA (Benton County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.943443, -119.114321, tow boom with FRV upstream to a point N.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. Use culvert blocking systems to stop flow into or out of Pump station pond located N.E. of staging area. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site:	Boat Launches; Hat Rock ST. Park US 730, 9 mi. E of Umatilla ; 335 Clover island dr. Kennewick, WA.	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE McNary control room 541-922-2231. **CONTACT Easterday Farms (509) 547-9600 (access through private property). Coordinate track protection with BNSF		
Watercourse:	River - River Below a Dam - Middle Columbia River - McNary Pool Area - Lake Wallula		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



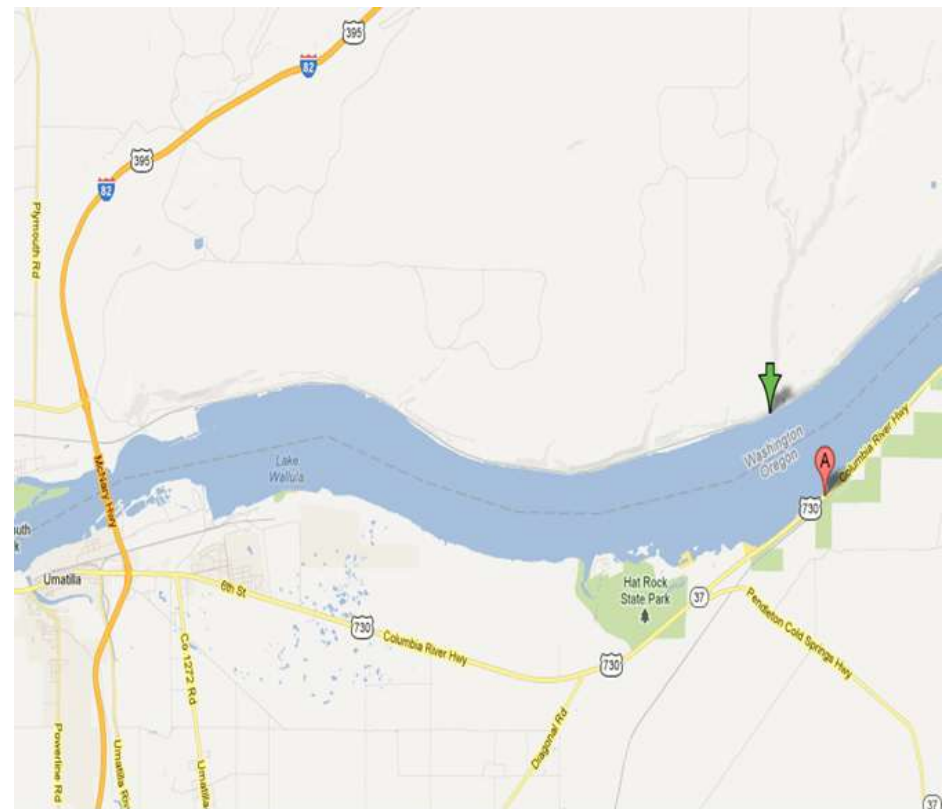
Recommended Equipment

1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV), Towing bridal (sized for boom)
1	Each	Post Driver
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Under track piping system (50' steel pipe, 200' hose)
4	Each	Culvert Blocking Systems
1	Each	Vac Truck(s) 70 or 80 bbl only, near shore skimming system

Recommended Personnel

1	Supervisor(s)
3	Laborer(s), (5) needed initially for setup
1	Boat Operator(s)

No Photograph Available



SiteContact

No Information

NearestAddress

Hat Rock ST. Park US 730, 9 mi. E of Umatilla

DrivingDirections

- Take Exit 122 (Coffin Butte) off of I-82
- Travel to Nine Canyon Rd., Take right
- Drive through Easterday Farms to "shop", veer to the right at the shop
- Drive past two circular fields on the right to a "y"
- Take a left at the "Y"
- Travel 2.05 miles and take a left, follow around towards river to site.

RM 301.2 - Upstream of Hat Rock State Park

FBS MP-204.0

Position - Location:	45.92286	-119.121343	Hermiston, OR (Umatilla County)
StrategyObjectiveTxt:	Exclusion	Prevent oil from impacting water intake area	
Implementation:	Anchor boom at shore near 45.922861,-119.121343, tow boom with FRV upstream to surround existing bouy line. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE McNary control room 541-922-2231. Boat Launches; Hat Rock ST. Park US 730, 9 mi. E of Umatilla OR., 2 miles W. of staging area.		
Watercourse:	River - River Below a Dam - Middle Columbia River - McNary Pool Area - Lake Wallula		
Resources_atRisk:	Pump Station Intake. Downstream habitat, fresh water wildlife.		



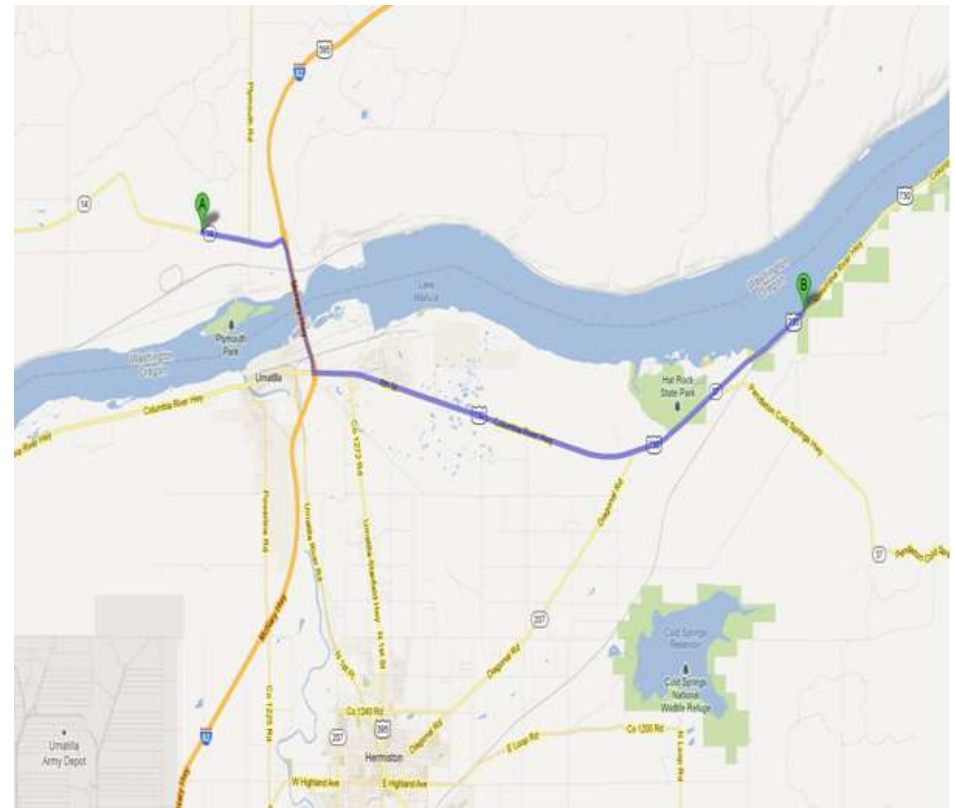
Recommended Equipment

1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Post Driver
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridal (sized for boom)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)

No Photograph Available

**SiteContact**

No Information

NearestAddress

Columbia River Hwy
Hermiston, OR 97838

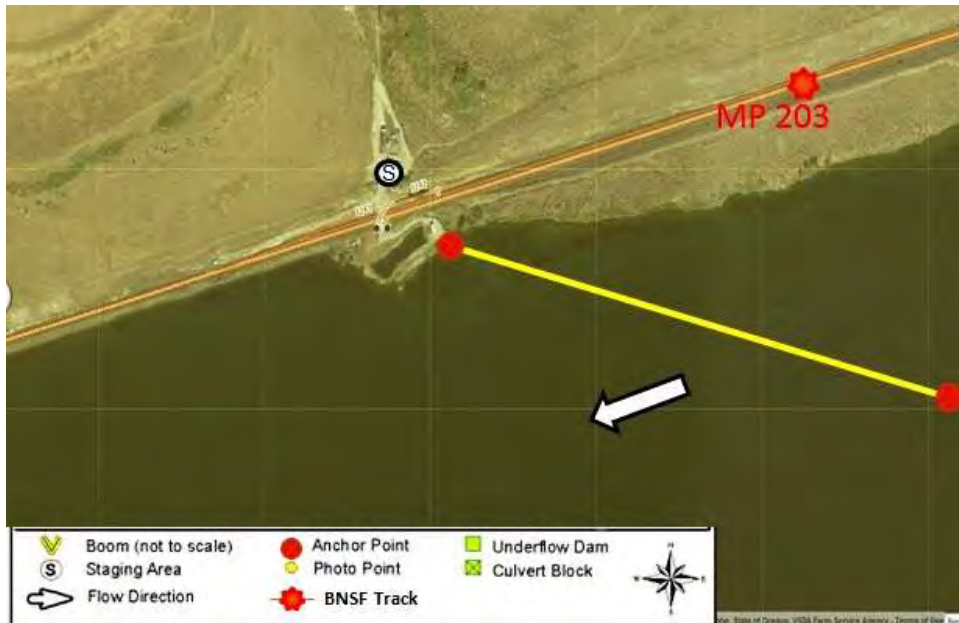
DrivingDirections

1. Head east on WA-14 E toward Plymouth Rd
2. Turn right to merge onto I-82 E toward Umatilla entering Oregon 1.8 mi
3. Take exit 1 for US-395 E/US-730 E 0.2 mi
4. Turn left onto US-395 S/US-730 E/6th St/Columbia River Hwy. Continue to follow US-730 E / Columbia River Hwy. Destination will be on the left.

RM 299.8 - Upstream & Across River from Hat Rock State Park

FBS MP-202.7

Position - Location:	45.93690	-119.152721	Kennewick, WA (Benton County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.936904, -119.152721, tow boom with FRV upstreamto a point S.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Siding available for staging equipment, liquid recovery. Boat Launches; Hat Rock ST. Park US 730, 9 mi. E of Umatilla OR.	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE McNary 541-922-2231. **CONTACT Easterday Farms (509) 547-9600 (access through private property). Coordinate track protection with BNSF		
Watercourse:	River - River Below a Dam - Middle Columbia River - McNary Pool Area - Lake Wallula		
Resources_atRisk:	Pump Station Intake. Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		

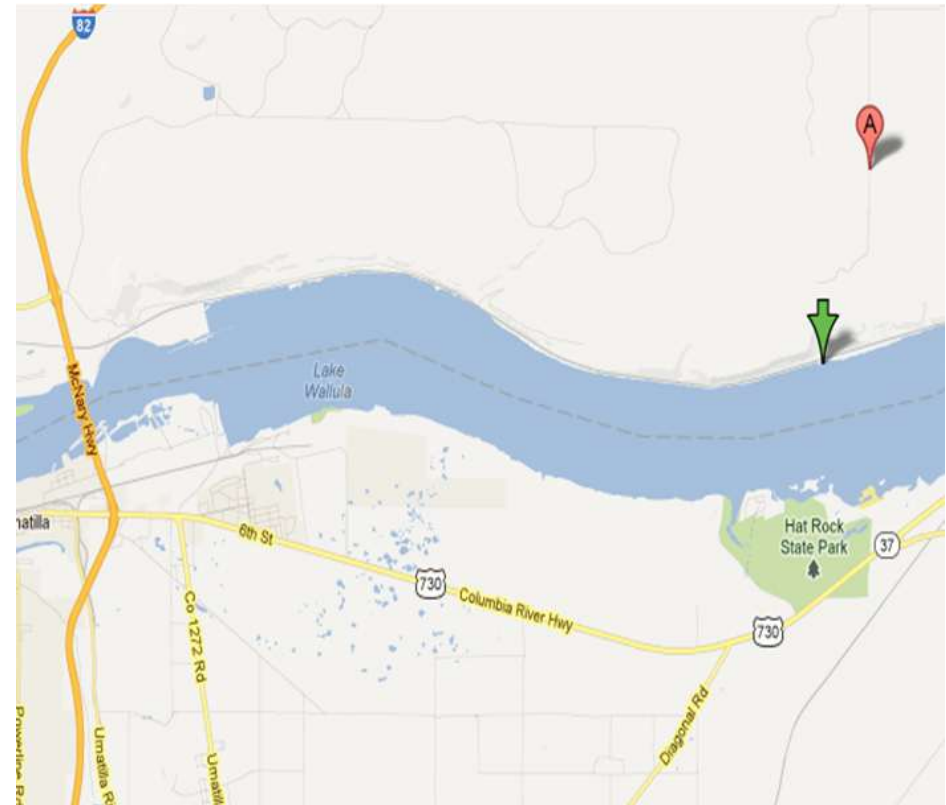


Recommended Equipment

1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Post Driver
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing barge (sized for boom)
1	Each	Vac Truck(s)
1	Each	Near shore Skimming System (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)

**SiteContact**

Easterday Farms (509) 547-9600

NearestAddress

Coffin Rd. and Nine Canyon Rd.
intersection

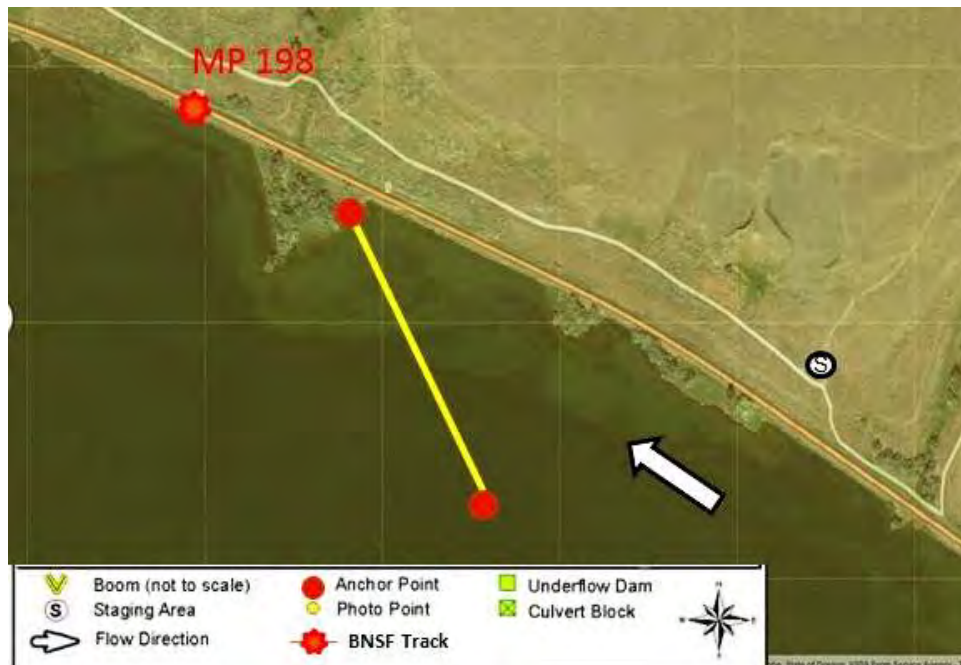
DrivingDirections

- Take Exit 122 (Coffin Butte) off of I-82
- Travel to Nine Canyon Rd., Take right
- Drive through Easterday Farms to "shop", veer to the right at the shop
- Drive past two circular fields on the right to a "y"
- Take a left at the "Y"
- Travel 2.3 miles and take a left, look for less travelled road with "orange painted rock" off to the right.
- Follow to river.

RM 295.0 - Upstream of I-82 Bridge & McNary Dam

FBS MP-198.0

Position - Location:	45.94586	-119.244456	Plymouth, WA (Benton County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.945859, -119.244456, tow boom with FRV upstreamto a point S.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE McNary control room 541-922-2231. Boat Launches; McNary Rd. 3miles W. at Dam, Hat Rock ST. Park US 730, 9 mi. E of Umatilla OR. *Note: On-water collection only.		
Watercourse:	River - River Below a Dam - Middle Columbia River - McNary Pool Area - Lake Wallula		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

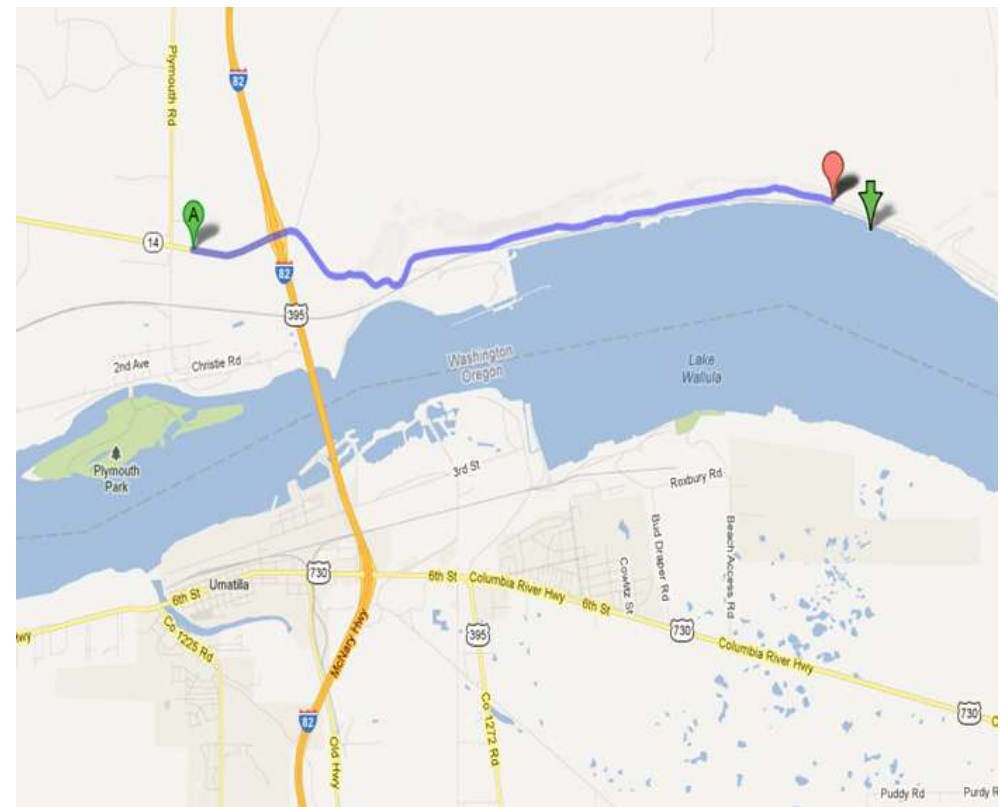
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Post Driver
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	On-water storage
1	Each	Near Shore Skimming system or OSRV

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-198.0 Photo: View of collection site from farm road looking East.



SiteContact

No Information

NearestAddress

Unnamed Road
Plymouth, WA 99346

DrivingDirections

1. Hwy 14 E. to McNary Dam Rd.
2. 1.2 miles left onto county road.
3. 0.4 miles right onto service road.
4. 1.1 miles to RR crossing - BNSF Access.
5. Follow the Two track road further east, pick up only.
6. Water access.

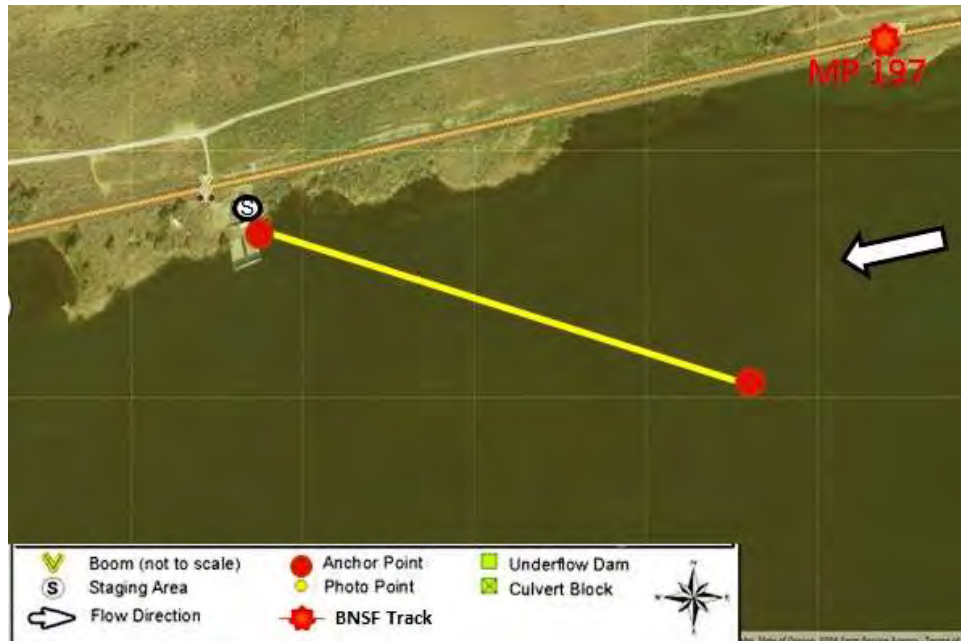


*Note: On-water collection only.

RM 293.6 - Upstream of I-82 Bridge & McNary Dam

FBS MP-196.4

Position - Location:	45.94671	-119.276534	Plymouth, WA (Benton County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore above pump station near 45.946705, -119.276534, tow boom with FRV upstreamto a point S.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE McNary control room 541-922-2231. Boat Launches; McNary Dam Rd.		
Watercourse:	River - River Below a Dam - Middle Columbia River - McNary Pool Area - Lake Wallula		
Resources_atRisk:	Pump Station Inlet.Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

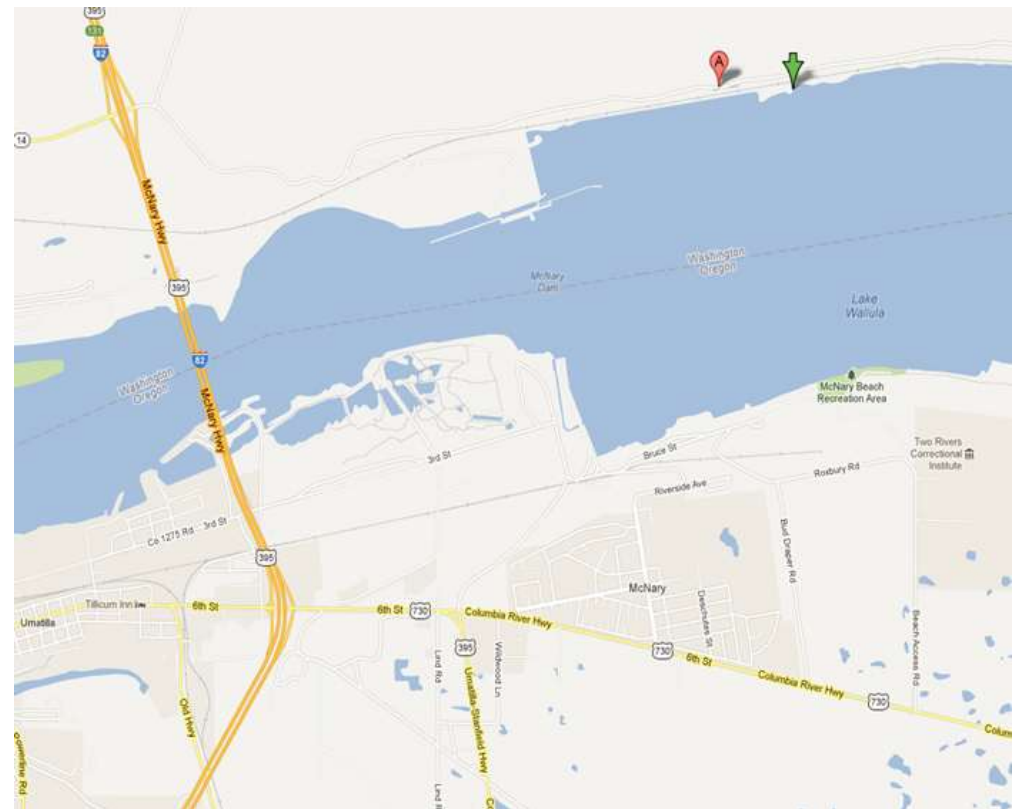
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Post Driver
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) 70 or 80 bbl only
1	Each	Near shore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-196.4 Photo: Agri-Northwest pump station staging area.



SiteContact

AgriNorthwest
McNary Pump Station#1
Phone: 509-734-5252

NearestAddress

Unnamed Road
Plymouth, WA 99346

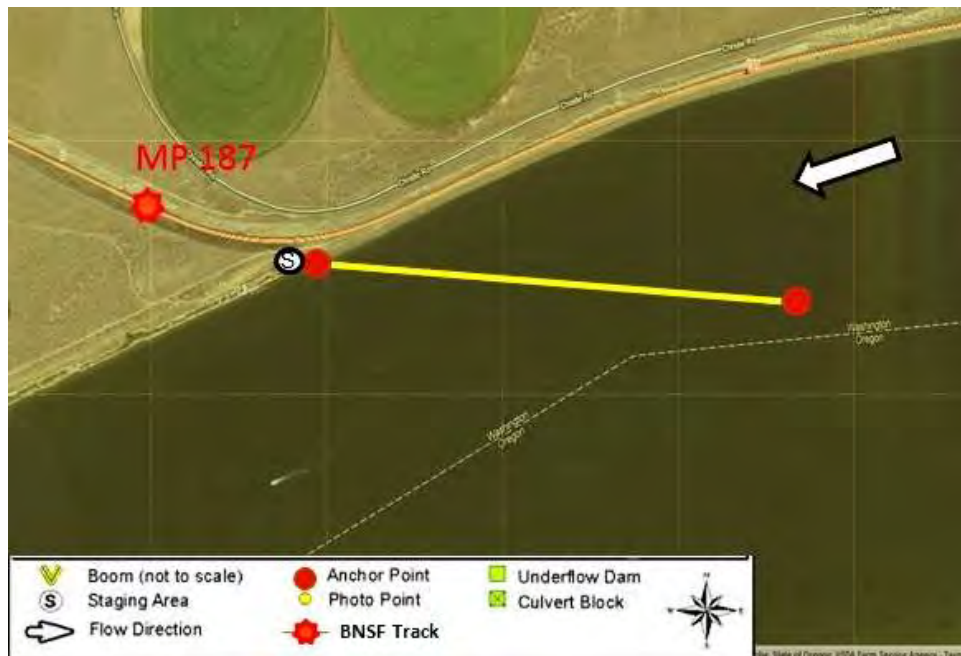
DrivingDirections

1. Hwy 14 E. to McNary Dam Rd.
2. 1.2 miles left onto county road.
3. 0.4 miles right onto service road.
4. 1.1 miles to RR crossing - BNSF Access.

RM 284.5 - Columbia River

FBS MP-187.2

Position - Location:	45.91883	-119.46002	Prosser, WA (Benton County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.918832, -119.460020, tow boom with FRV upstreamto a point S.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF Notify USACE John Day control room 541-298-9712, Boat Launches; Plymouth Park , Christie Rd. WA . Good site Access, use traffic control on single lane gravel road traveling to site.		
Watercourse:	River - River Below a Dam - Middle Columbia River - John Day Pool Area - Lake Umatilla		
Resources_atRisk:	Downstream habitat, fresh water wildlife.		



Recommended Equipment

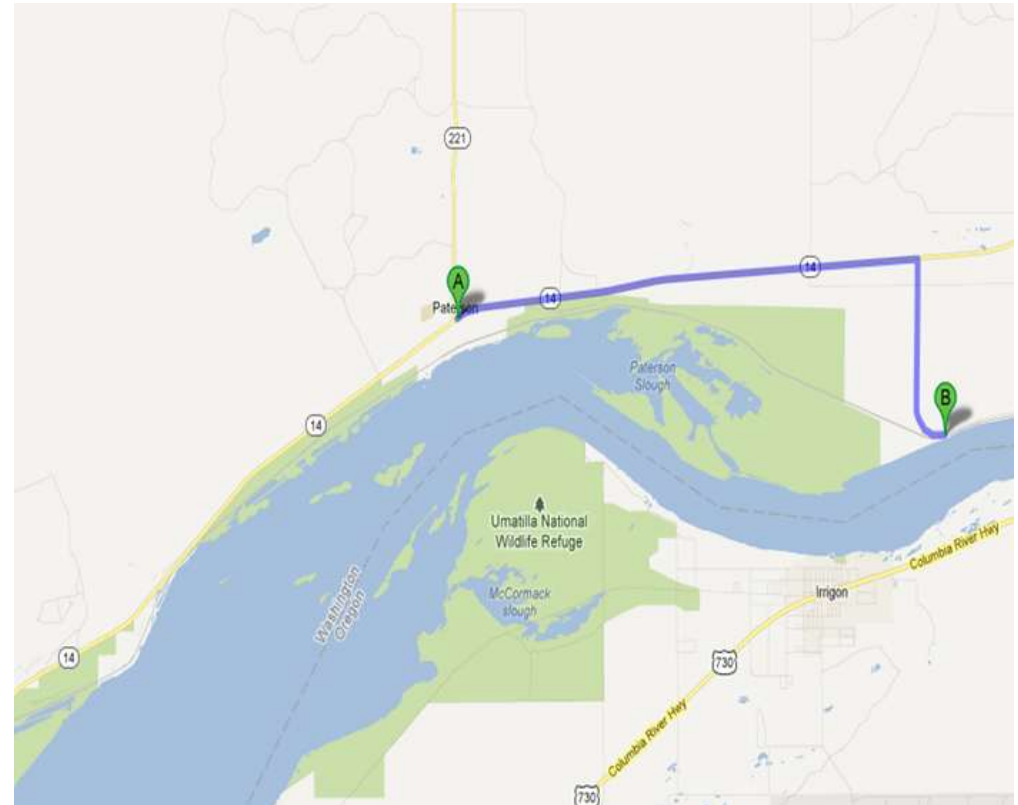
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Post Driver
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) 70 or 80 bbl only
1	Each	Near shore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
5	Laborer(s) (2 needed for traffic control)
1	Boat Operator(s)



FBS-187.2 Photo: Collection site, view from Christie Rd.



SiteContact

No Information

NearestAddress

Christie Road
Prosser, WA 99350

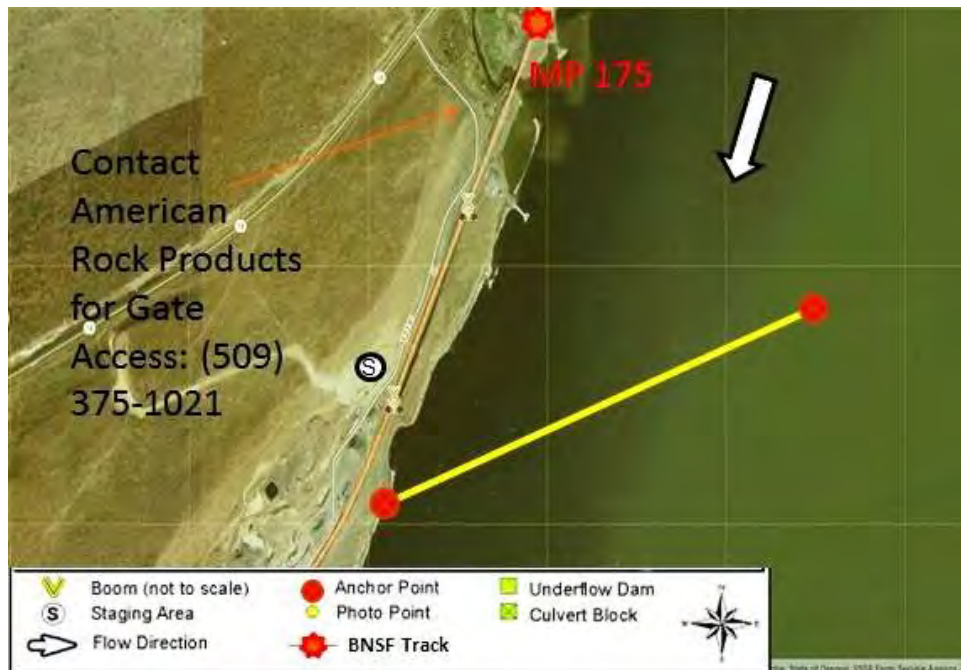
DrivingDirections

1. Head northeast on WA-14 E toward Christie Rd MM 173.8
2. Turn right onto Christie Rd.
3. After Christie Rd. joins river, 2.4 miles to crossing on right
4. Take gravel road heading W. 2.4 miles Destination will be on the left.

RM 271.3 - Vicinity of Glade Creek

FBS MP-174.4

Position - Location:	45.88601	-119.695959	Patterson, WA (Benton County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.88601, -119.695959, tow boom with FRV upstreamto a point N.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Contact American Gravel at (509) 375-1021	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; Crow Butte Park , Paterson, WA 99345		
Watercourse:	River - River Below a Dam - Middle Columbia River - John Day Pool Area - Lake Umatilla		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

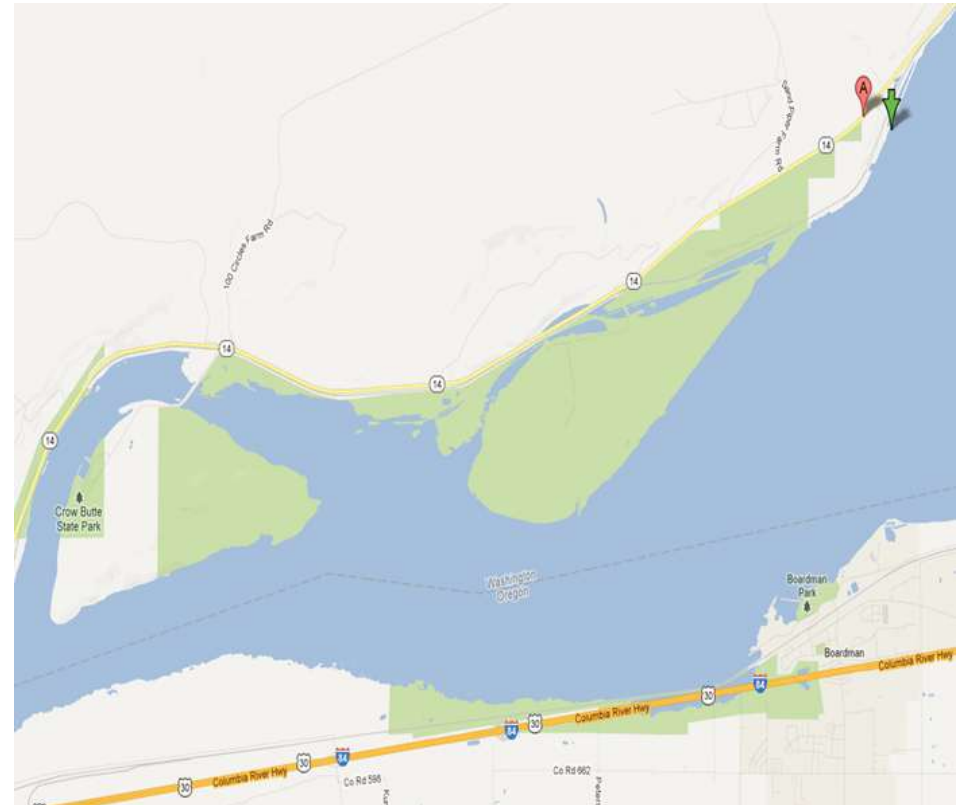
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Post Driver
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) with operator
1	Each	Near shore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-174.8 Photo: Gated road to site.



SiteContact

No Information

NearestAddress

Washington 14
Paterson, WA 99345

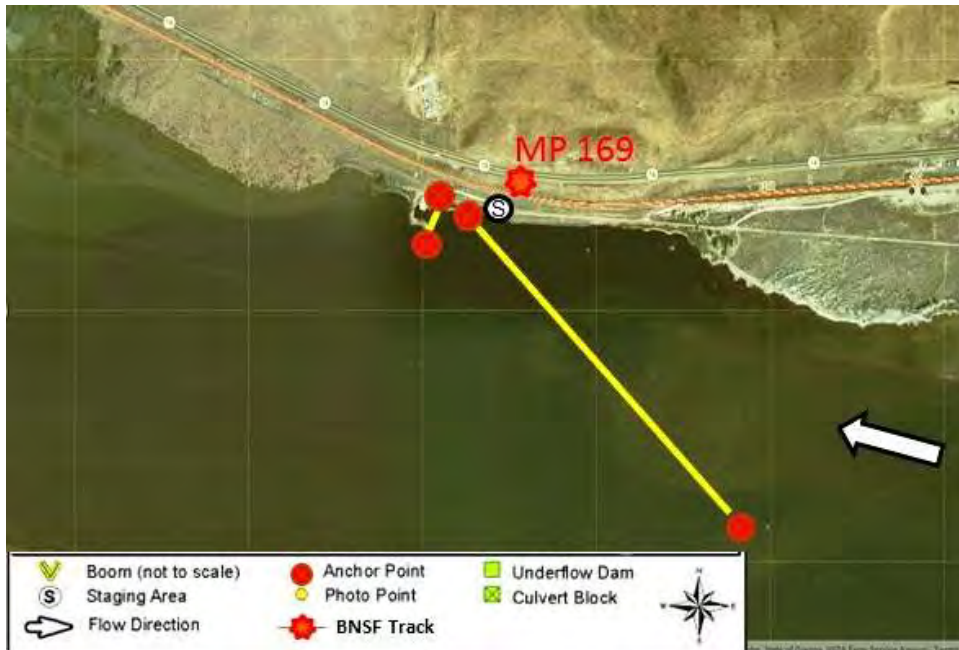
DrivingDirections

1. Hwy 14 E. - MM 164.8
2. American Gravel - Paterson Rock Quarry - BNSF access.

RM 265.0 - North of Crow Butte Island (East End)

FBS MP-168.9

Position - Location:	45.86461	-119.806117	Prosser, WA (Benton County)
StrategyObjectiveTxt:	Deflection, Collection Collect oil moving downstream on river, deflect oil away from pump station		
Implementation:	Anchor boom at shore near 45.864609, -119.806117, tow boom with FRV upstream to a point S.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Anchor 500 ft. of boom across pump station intake area from S.E. Dike to point N.E. on shore .Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; Crow Butte Park , Paterson, WA 99345. Additional Staging area available at Hwy 14 access point (BNSF Laydown yard)		
Watercourse:	River - River Below a Dam - Middle Columbia River - John Day Pool Area - Lake Umatilla		
Resources_atRisk:	Pump Station. Downstream habitat, fresh water wildlife. Sensitive resources nearby.		



Recommended Equipment

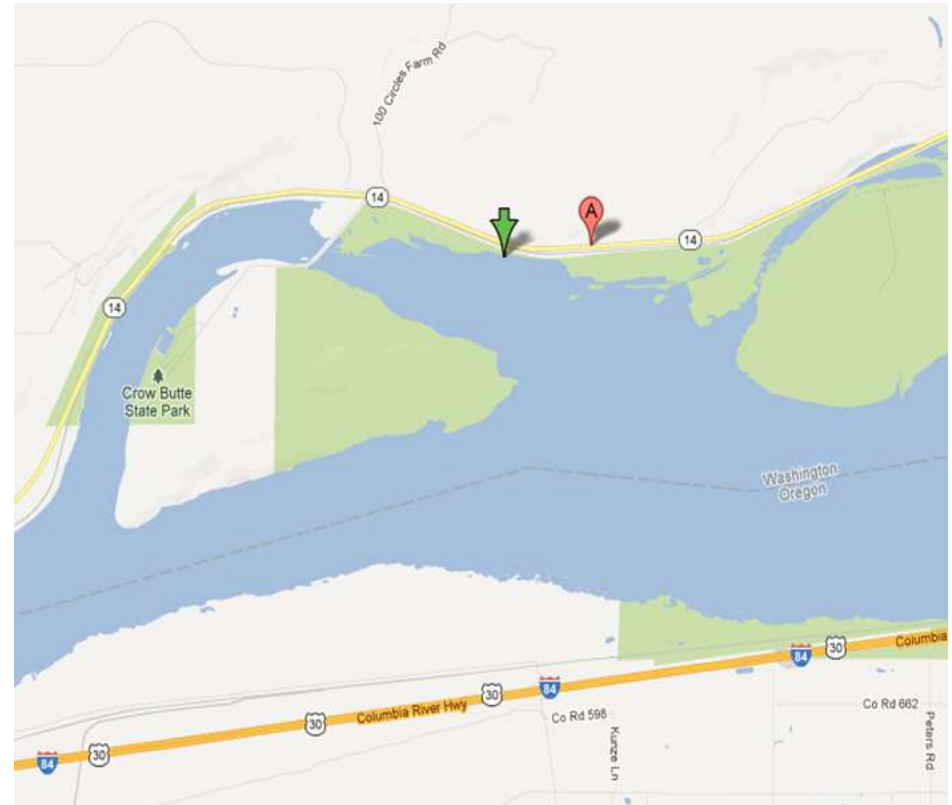
1500	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
2	Each	Post Driver
4	Each	Anchor Post(s)
8	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) with operator
1	Each	Near Shore Skimming System (with Storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-168.9 Photo: Collection area; pump station in background.



SiteContact

No Information

NearestAddress

Washington 14
Prosser, WA 99350

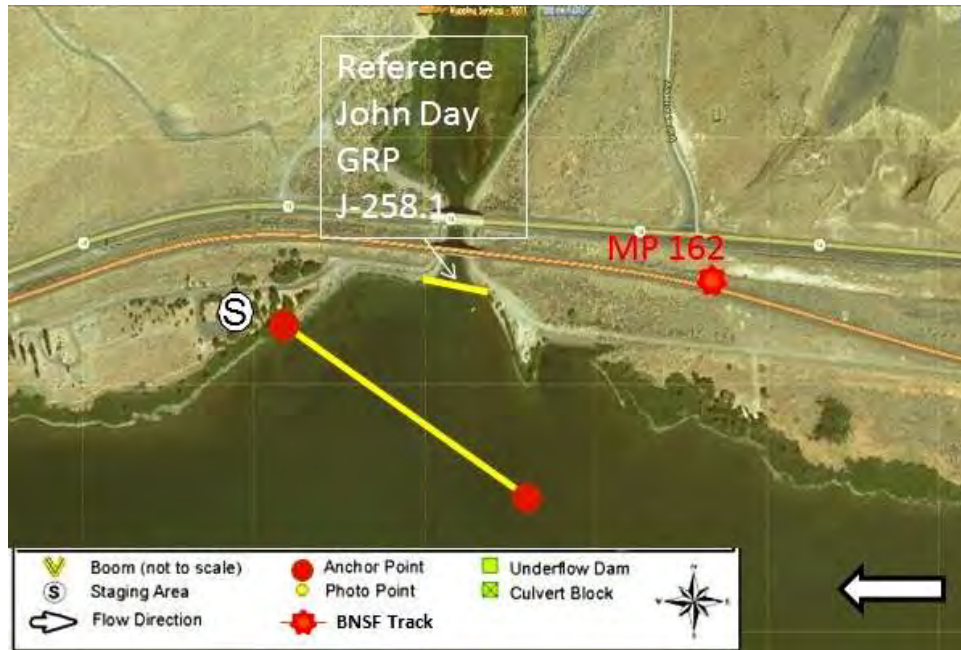
DrivingDirections

1. Hwy 14 E. to MM 156.8.
2. Right turn to crossing.
3. Right turn on gravel road
4. Pump station 0.8 miles - BNSF access.

RM 258.6 - Vicinity of Alder Creek

FBS MP-161.7

Position - Location:	45.83503	-119.931542	Prosser, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.835027, -119.931542, tow boom with FRV upstreamto a point S.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Anchor 100 ft. boom across mouth of unknown creek located just E. of staging area .Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Use outside of BIA Treaty site gate if possible, contact BIA Portland if access is needed (503) 231-6702	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; Crow Butte Park , Paterson, WA 99345 Also able to access the east side of Alder Creek by taking Alderdale Rd. then first left, follow under bridges.		
Watercourse:	River - River Below a Dam - Middle Columbia River - John Day Pool Area - Lake Umatilla		
Resources_atRisk:	Downstream habitat, fresh water wildlife. OK - Inland & Nearby Upstream		



Recommended Equipment

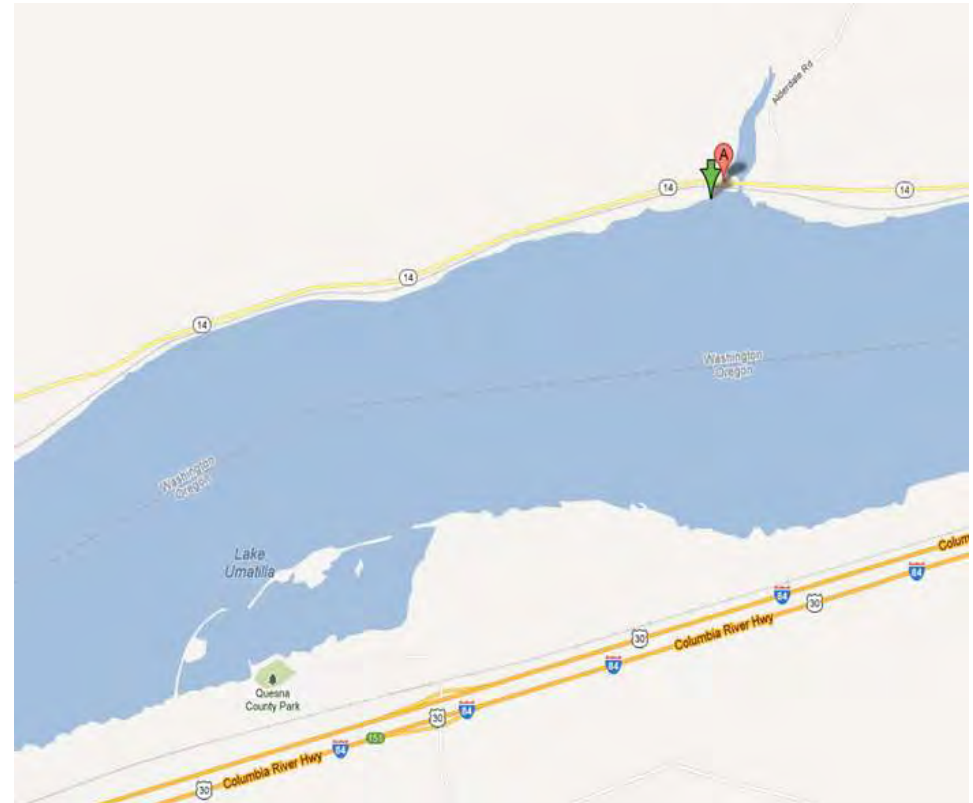
1100	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
2	Each	Post Driver
2	Each	Anchor Post(s)
6	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) 70 or 80 bbl only
1	Each	Near Shore skimming System (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-161.7 Photo: Collection site.



SiteContact

No Information

NearestAddress

Washington 14
Prosser, WA 99350

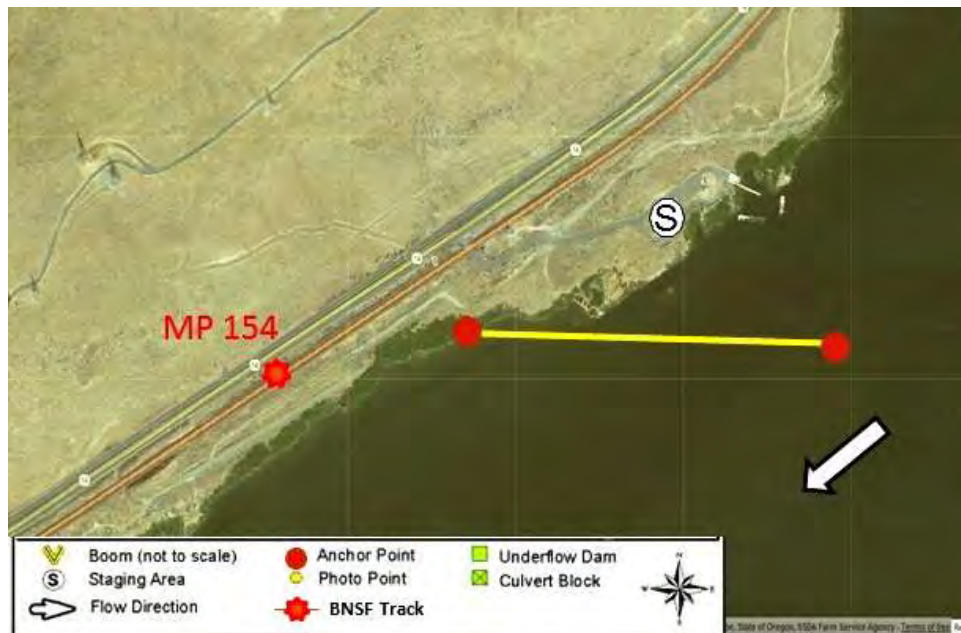
DrivingDirections

1. Take dirt road on left prior to bridge crossing. MM 149
2. Turn right and travel under bridge and trestle (12ft 7 ") over pass towards river.
3. Private park - BNSF access.

RM 251.0 - Upstream from Pine Creek

FBS MP-154.1

Position - Location:	45.79278	-120.073185	Bickleton, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.792784,-120.073185, tow boom with FRV upstreamto a point S.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Contact BIA Portland Office (503) 231-6702	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE John day control room 541-298-9712. Boat Launches; approx 500 ft S.W. Of staging area . Good site, access.		
Watercourse:	River - River Below a Dam - Middle Columbia River - John Day Pool Area - Lake Umatilla		
Resources_atRisk:	N45.660322		



Recommended Equipment

1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Post Driver
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) 70 or 80 bbl only w/ operator
1	Each	Near shore skimming equipment with storage

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-154.4 Photo: Boat launch 500 ft from collection area.



SiteContact

No Information

NearestAddress

Washington 14
Bickleton, WA 99322

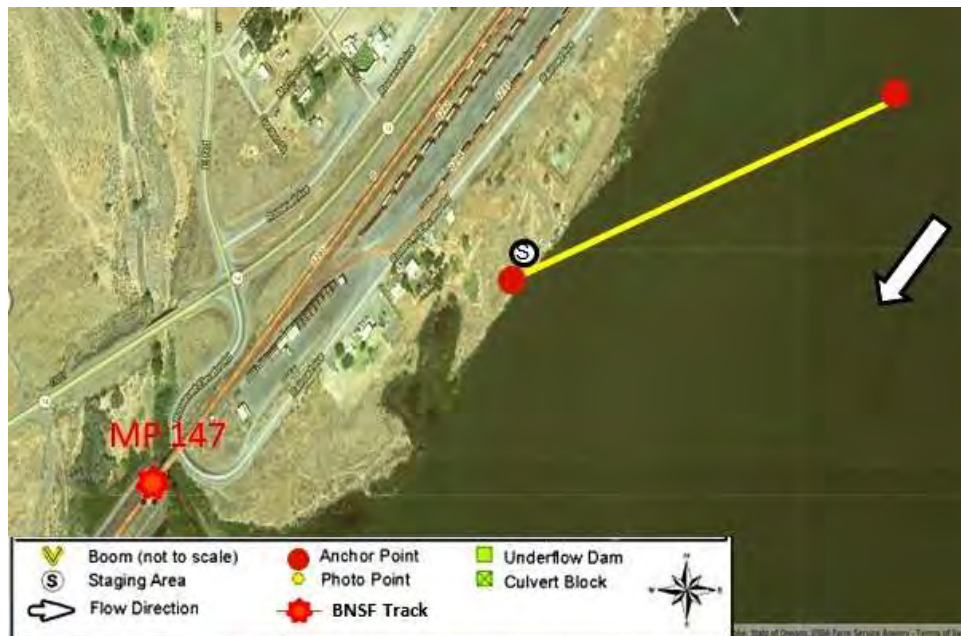
DrivingDirections

1. MM 141.5 Pine Creek B.I.A. Fishing area
2. Take dirt road onright prior to boat launch.
3. Travel 500 ft along River - BNSF access.

RM 244.5 - Columbia River

FBS MP-147.3

Position - Location:	45.75023	-120.194614	Roosevelt, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.750232, -120.194614, tow boom with FRV upstreamto a point N.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE John Day control room 541-298-9712 Boat Launches; Roosevelt Ferry Rd. 3 miles S.W. Of staging area . Great Access, Lots of room, easy shore access, can launch small skiffs from shore location		
Watercourse:	River - River Below a Dam - Middle Columbia River - John Day Pool Area - Lake Umatilla		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

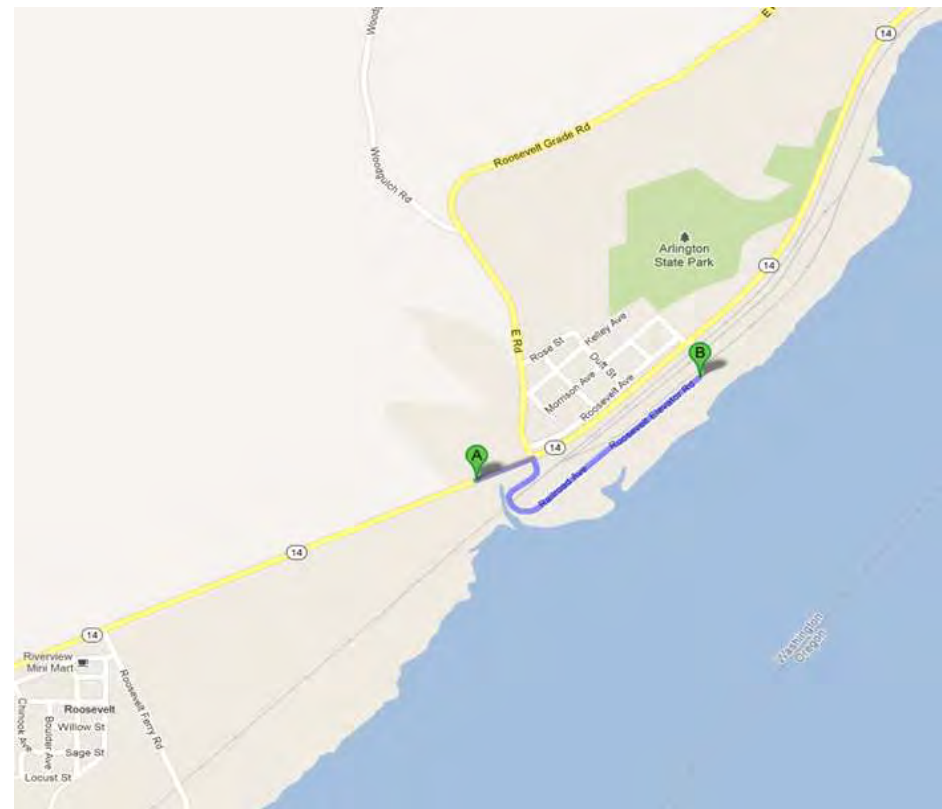
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Post Driver
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing barge (sized for boom)
1	Each	Vac Truck(s) w/ operator
1	Each	Near Shore Skimming System (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-147.3 Photo: Entrance to BNSF Roosevelt Elevator Rd.



SiteContact

No Information

NearestAddress

11-99 Roosevelt Elevator Road
Roosevelt, WA 99356

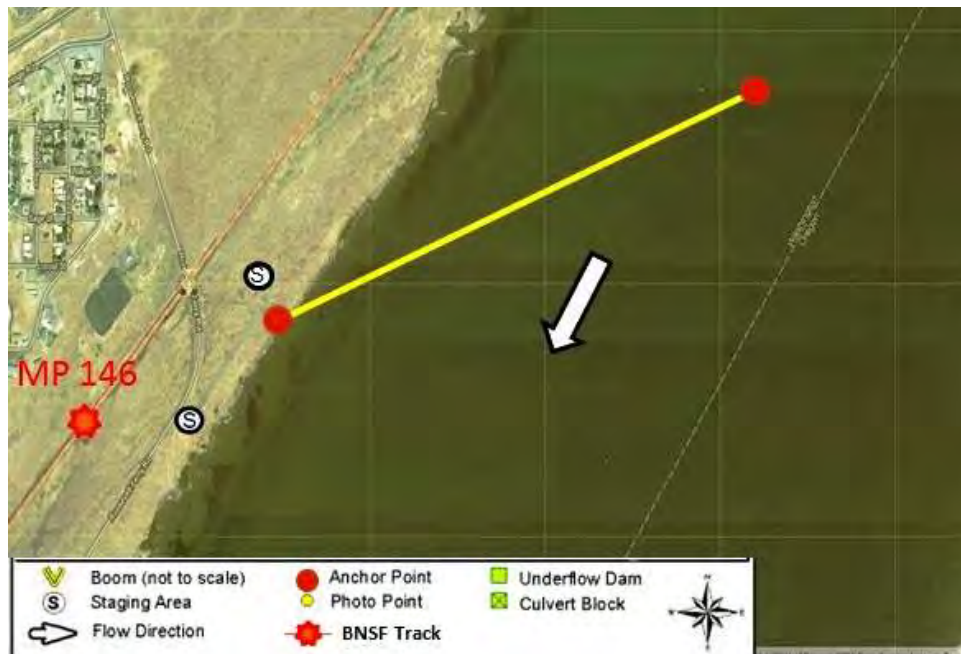
DrivingDirections

1. Head northeast on WA-14 E toward E Rd/Roosevelt Grade Rd
2. Take the 1st right onto Railroad Ave/Roosevelt Elevator Rd
3. Busy shipping area, truck traffic - BNSF access.

RM 243.5 - Columbia River FBS MP-146.3

FBS MP-146.3

Position - Location:	45.74039	-120.209248	Roosevelt, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.740394, -120.209248, tow boom with FRV upstreamto a point N.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; Roosevelt Ferry Rd. 3000 ft S.W. Of staging area .		
Watercourse:	River - River Below a Dam - Middle Columbia River - John Day Pool Area - Lake Umatilla		
Resources_atRisk:	Downstream habitat, fresh water wildlife.		



Recommended Equipment

1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Post Driver
4	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridal (sized for boom)
1	Each	Vac Truck(s) with operator
1	Each	Near Shore Skimming system with storage

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-146.3 Photo: Collection site.

**SiteContact**

No Information

NearestAddress

Roosevelt Ferry Road
Roosevelt, WA 99356

DrivingDirections

1. Head east on WA-14 E MM 133.5
2. Take right onto Roosevelt Ferry Rd.
3. Left onto dirt road after crossing - BNSF access.

RM 237.7 - Upstream of Chapman Creek

FBS MP-141.1

Position - Location:	45.71899	-120.308852	Goldendale, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.718988,-120.308852, tow boom with FRV upstreamto a point S.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Call BIA to access boat launch (503) 231-6702	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; End of Sundale Rd. 3000 ft W. Of staging area . *Note: On water collection only or by temporary crossing provided by BNSF		
Watercourse:	River - River Below a Dam - Middle Columbia River - John Day Pool Area - Lake Umatilla		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



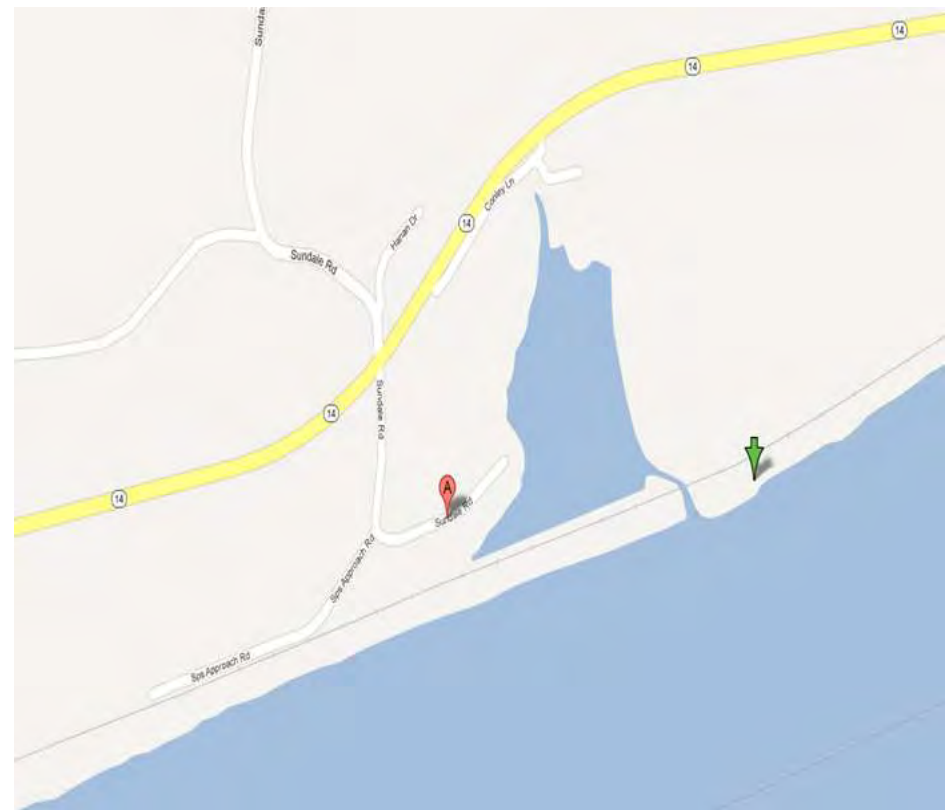
Recommended Equipment

1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Post Driver
4	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) 70 or 80 bbl only with operator
1	Each	Near Shore skimming System with storage

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)

No Photograph Available

**SiteContact**

No Information

NearestAddress

Sundale Road
Goldendale, WA 98620

DrivingDirections

1. Use Sundale Rd. access
2. Turn right to gravel road prior to entering the BIA site.
3. Temporary crossing needed (Coordinate with BNSF)
3. No crossing - BNSF access.

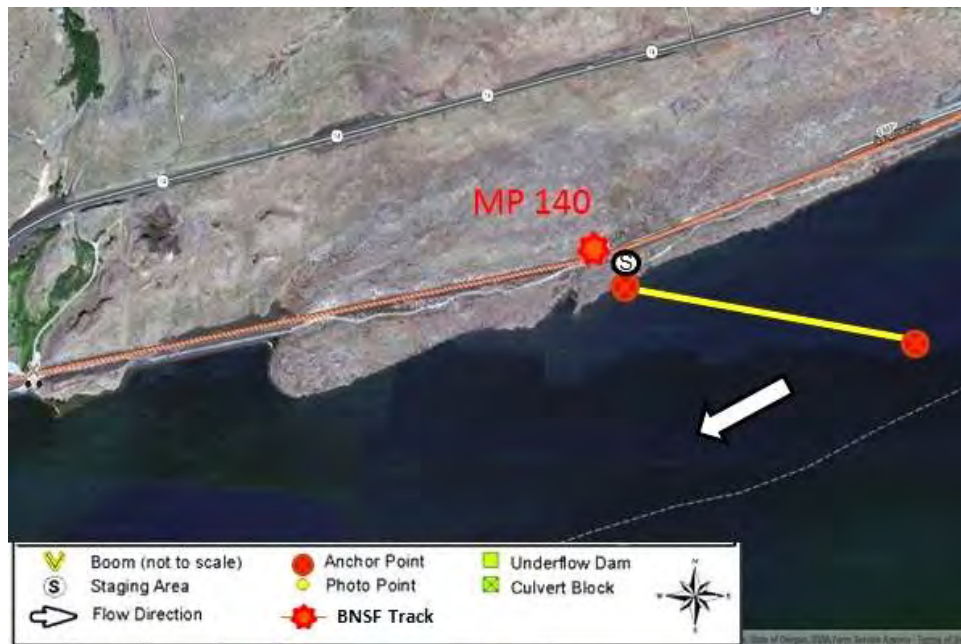


*Note: On water collection only

RM 236.5 - Downstream from Chapman Creek

FBS MP-140.0

Position - Location:	45.71470	-120.330146	Goldendale, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.714697, -120.330146, tow boom with FRV upstreamto a point S.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; End of Sundale Rd. 3000 ft W. Of staging area . Pickup truck access initially, use backhoe with some delivered gravel to improve road for vac trucks		
Watercourse:	River - River Below a Dam - Middle Columbia River - John Day Pool Area - Lake Umatilla		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

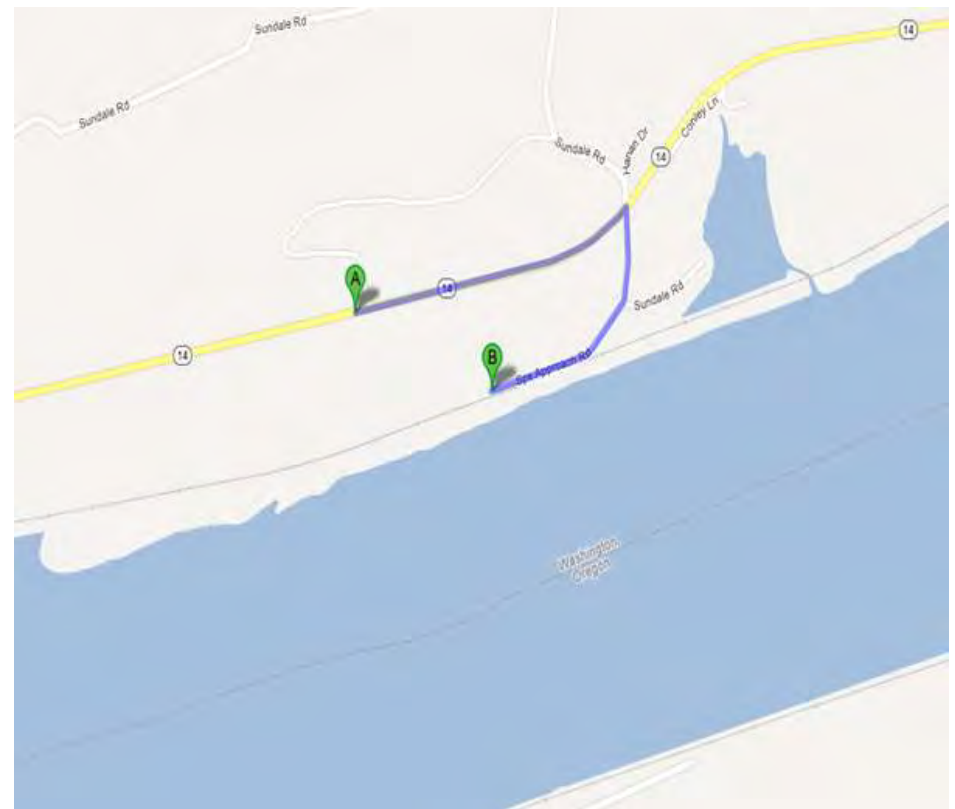
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Post Driver
4	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Backhoe, Dump Truck Gravel for road improvement w/ operator
1	Each	Near shore Skimming system with storage

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-140.0 Photo: Collection site.

**SiteContact**

No Information

NearestAddress

11035-11399 Washington 14
Goldendale, WA 98620

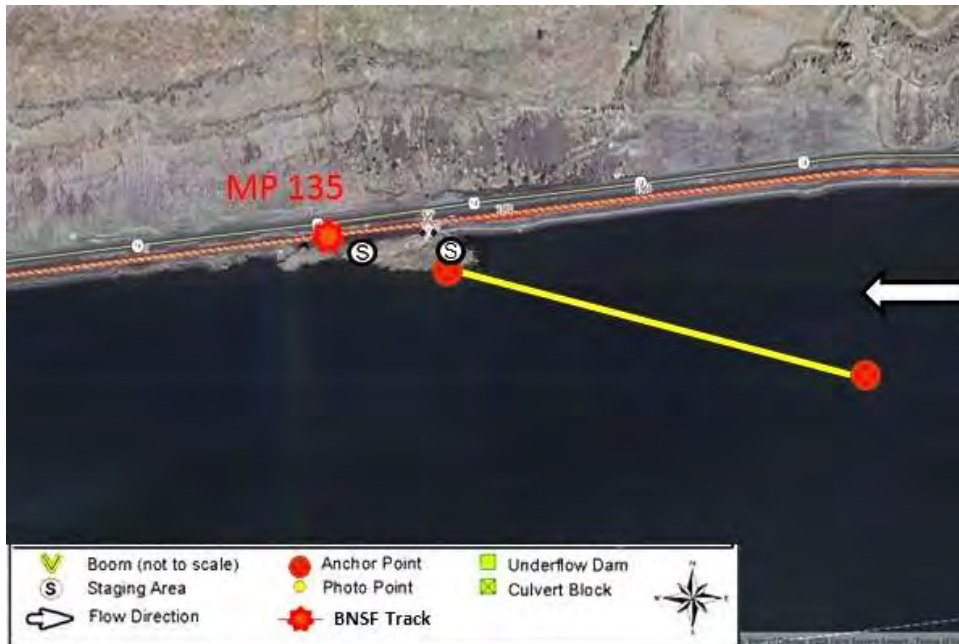
DrivingDirections

1. Head east on WA-14 E toward MM 126.7 at end of the guardrail.
2. Take right to crossing
3. After crossing, left road E. for 0.4 miles - BNSF access.

RM 231.7 - Upstream from Paterson Slough / Rock Creek

FBS MP-135.2

Position - Location:	45.70423	-120.428627	Goldendale, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.704230,-120.428627, tow boom with FRV upstreamto a point S.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; off US 14, 1 mile W. Of staging area, Paterson slough .		
Watercourse:	River - River Below a Dam - Middle Columbia River - John Day Pool Area - Lake Umatilla		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
2	Each	Post Driver
8	Each	Anchor Post(s)
6	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing barge (sized for boom)
1	Each	Vac Truck(s) 70 or 80 bbl only with operator
1	Each	Near shore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



SiteContact

No Information

NearestAddress

Washington 14
Goldendale, WA 98620

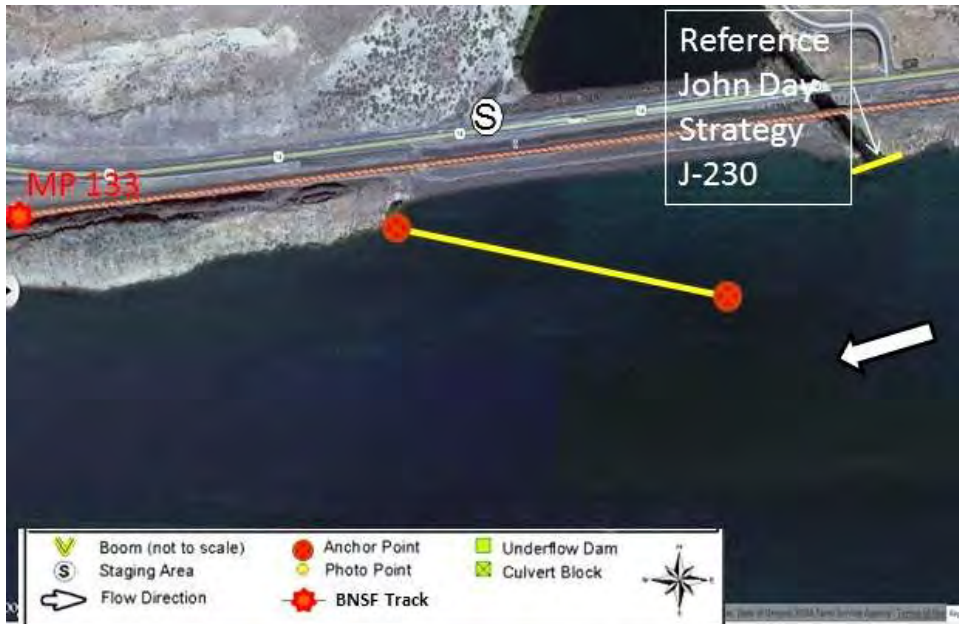
DrivingDirections

1. Head east on WA-14 towards Paterson Slough.
2. Look for crossing on right 1.2 miles after Paterson Slough - BNSF access.

RM 229.7 - Vicinity of Paterson Slough / Rock Creek

FBS MP-133.3

Position - Location:	45.70219	-120.468237	Goldendale, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.702189, -120.468237, tow boom with FRV upstream to a point S.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Shore anchor 300 ft. boom across mouth of Paterson Slough N.E. Of staging area Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; off US 14, 2 miles W. Of staging area . Not good access from land, will take time to establish, consider only on-water recovery initially		
Watercourse:	River - River Below a Dam - Middle Columbia River - John Day Pool Area - Lake Umatilla		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resources nearby.		



Recommended Equipment

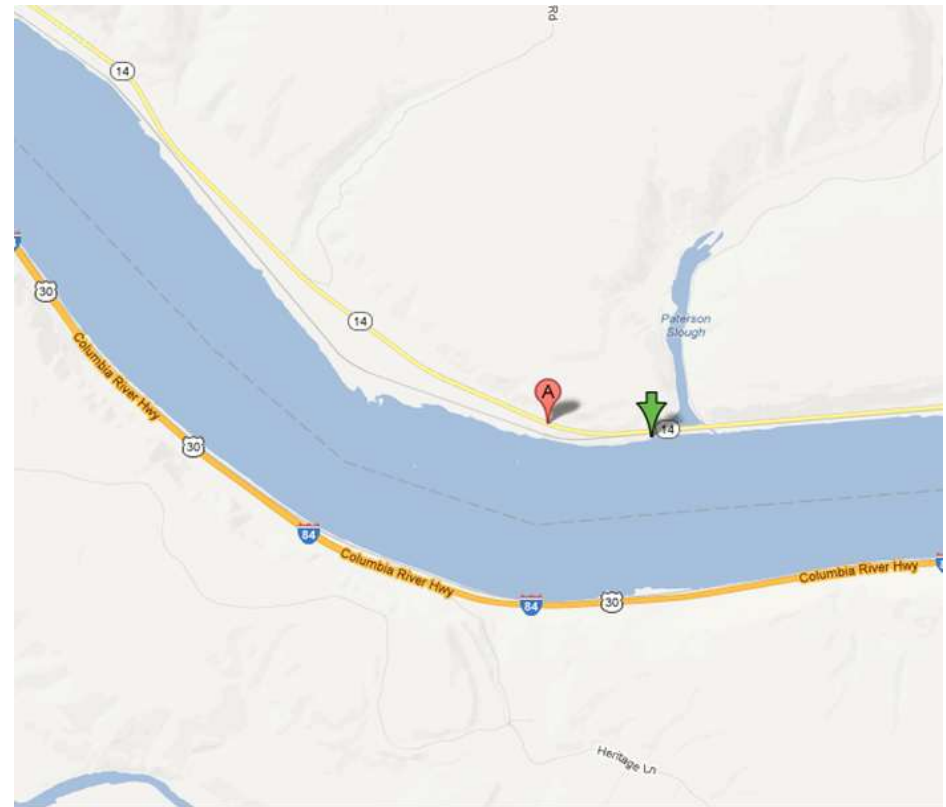
1300	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
2	Each	Post Driver
8	Each	Anchor Post(s)
6	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing barge (sized for boom)
1	Each	Skimmer (appropriately sized)
1	Each	on-water storage

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-133.3 Photo: Collection area.

**SiteContact**

No Information

NearestAddress

Washington 14
Goldendale, WA 98620

DrivingDirections

1. Head east on WA-14 towards Paterson Slough, MM 120.8.
2. Small staging area along WA-14 E - BNSF access



*Note: No Crossing, will have to install temporary crossing, or run pipe under track for recovery.
**Consider on-water recovery only for initial period

RM 227.5 - Downstream from Paterson Slough / Rock Creek

FBS MP-131.8

Position - Location:	45.70586	-120.501204	Goldendale, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.705857,-120.501204, tow boom with FRV upstreamto a point S.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Contact BIA Portland office for access (503) 231-6702	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; at staging area . Large staging area at park for more equipment		
Watercourse:	River - River Below a Dam - Middle Columbia River - John Day Pool Area - Lake Umatilla		
Resources_atRisk:	Downstream habitat, fresh water wildlife.		



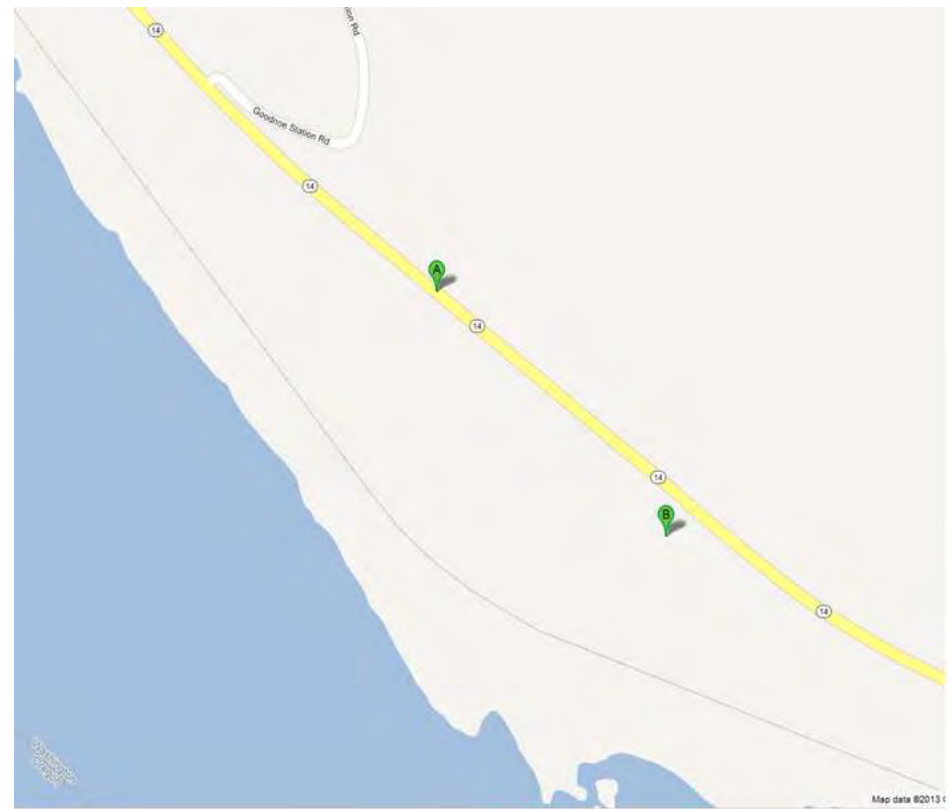
Recommended Equipment

1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
2	Each	Post Driver
8	Each	Anchor Post(s)
6	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing barge (sized for boom)
1	Each	Vac Truck(s) 70 or 80 bbl only with operator
1	Each	Near shore skimming equipment with storage

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)

No Photograph Available

**SiteContact**

No Information

NearestAddress

Washington 14
Goldendale, WA 98620

DrivingDirections

1. Head east on WA-14 towards Paterson Slough.
2. Look for B.I.A. Fishing site on right after Goodshoe Station Rd - BNSF access.

RM 224.1 - Columbia River

FBS MP-128.2

Position - Location:	45.74081	-120.551691	Goldendale, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.740813, -120.551691, tow boom with FRV upstreamto a point S.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Contact BIA Portland Office (503) 231-6702 for site access	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF Notify USACE John Day control room 541-298-9712. Boat Launches; off US 14, 3.5 miles E. Of staging area. *Note collection area is part of the Tribal Treaty fishing right of way		
Watercourse:	River - River Below a Dam - Middle Columbia River - John Day Pool Area - Lake Umatilla		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

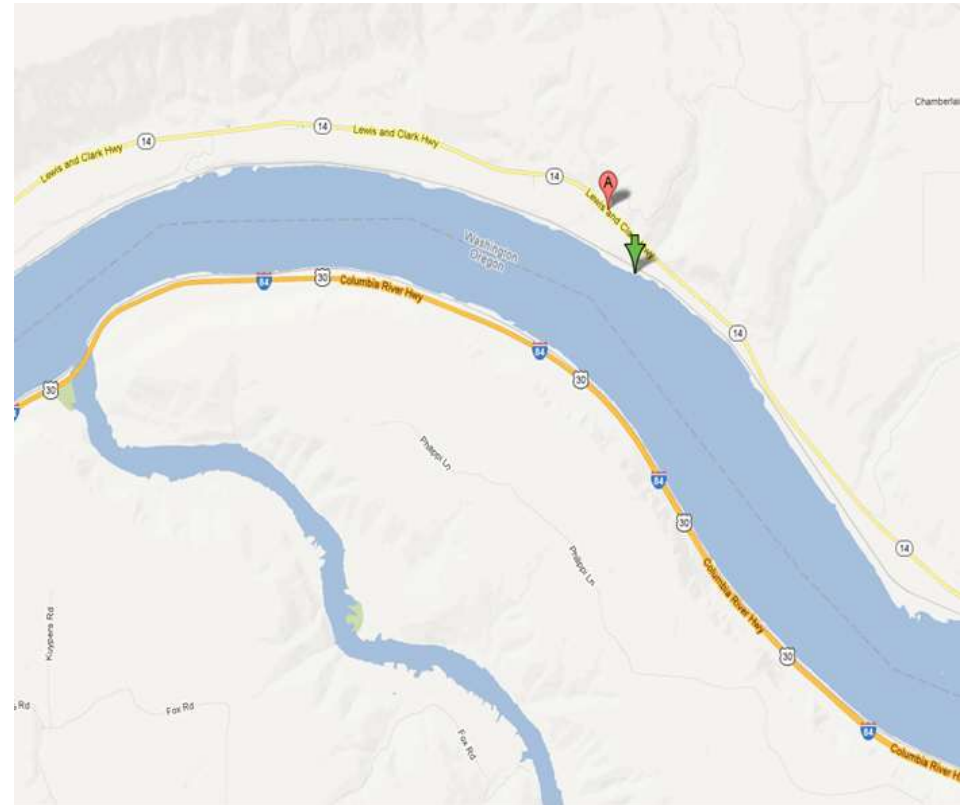
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Post Driver
4	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s)
1	Each	Skimmer (appropriately sized)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-128.2 Photo: Access road to site.

**SiteContact**

No Information

NearestAddress

Lewis and Clark Hwy
Goldendale, WA 98620

DrivingDirections

1. Head east on WA-14 MM 119.1
2. Pasture Point B.I.A. Gate. East of site - BNSF access.



*Note collection area is part of the Tribal Treaty fishing right of way

RM 220.7 - Upstream and North of John Day River

FBS MP-124.5

Position - Location:	45.75110	-120.623767	Goldendale, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.7511, -120.623767, tow boom with FRV upstreamto a point S.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE John Day control room 541-298-9712. Boat Launches; off US 14, John Day Dam Rd. 4 miles W. Of staging area .		
Watercourse:	River - River Below a Dam - Middle Columbia River - John Day Pool Area - Lake Umatilla		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

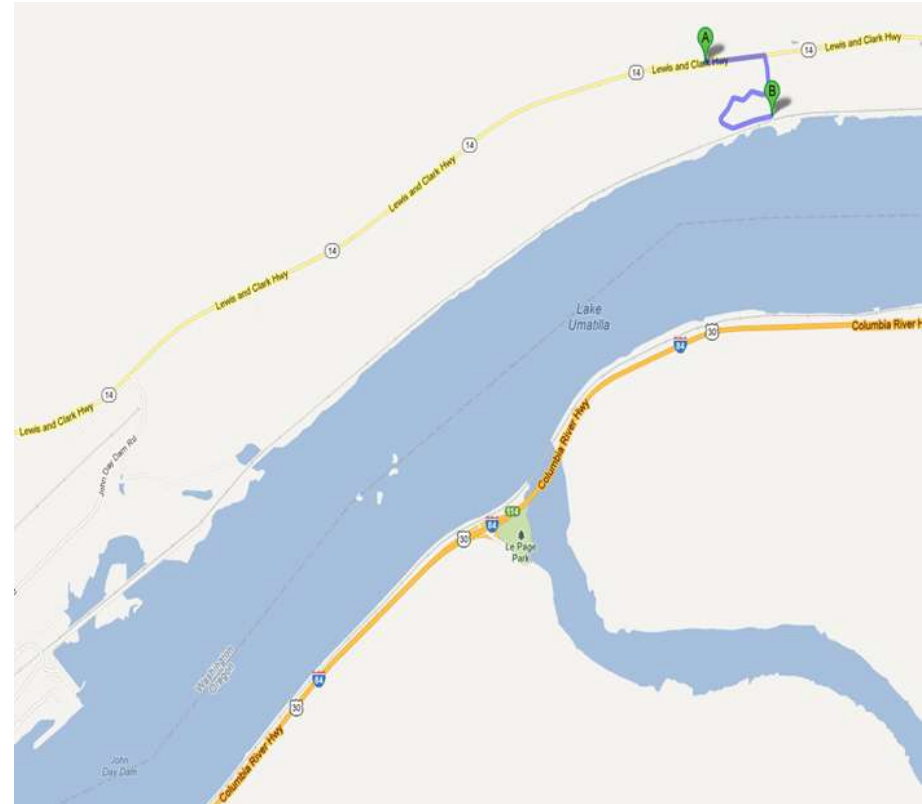
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Anchoring Post Driver(s)
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) 70 or 80 bbl only with operator
1	Each	Skimmer (appropriately sized)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-124.5 Photo: Collection area.



SiteContact

No Information

NearestAddress

57 Towal Road
Goldendale, WA 98620

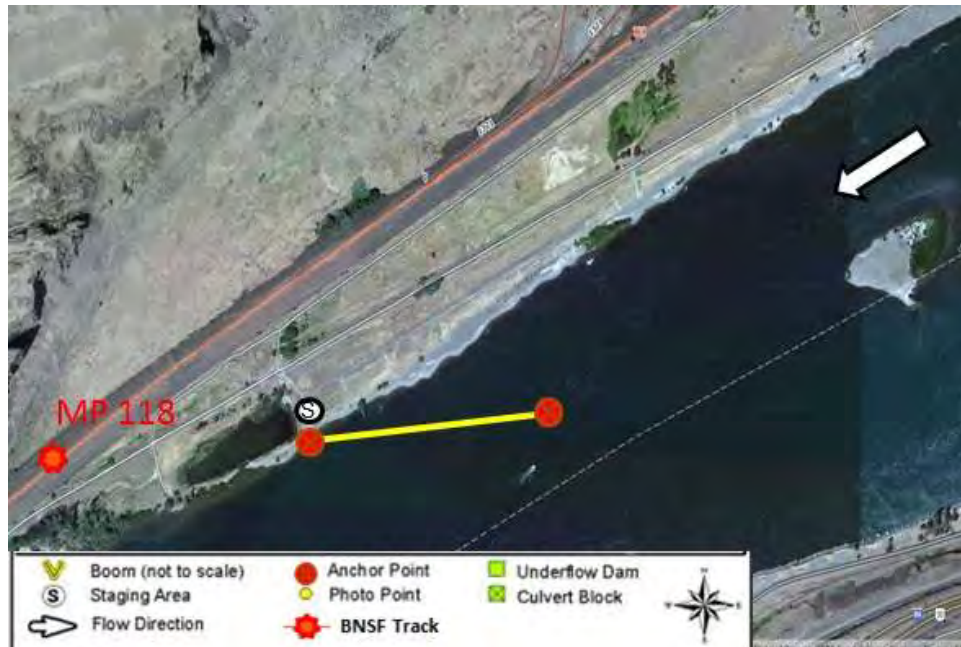
DrivingDirections

1. Head east on WA-14 E/Lewis and Clark Hwy
2. Turn right onto Towal Rd
3. BNSF access - Turn left at office to crossing

RM 214.5 - Upstream of Hartley Canyon

FBS MP-118.3

Position - Location:	45.70645	-120.73436	Goldendale, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.706449, -120.73436. With FRV, tow remaining boom end upstream towards SE and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. Site boat access is only for small skiffs to be hand carried. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Only hand-launch boat access available at strategy site. FRV must use French Giles Park across river; see directions.	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE Dalles control room 541-298-7505. Boat Launches; 1 mile E. of staging area, John Day Dam Rd., WA.		
Watercourse:	River - River Below a Dam - Middle Columbia River - The Dalles Pool Area - Lake Celilo		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

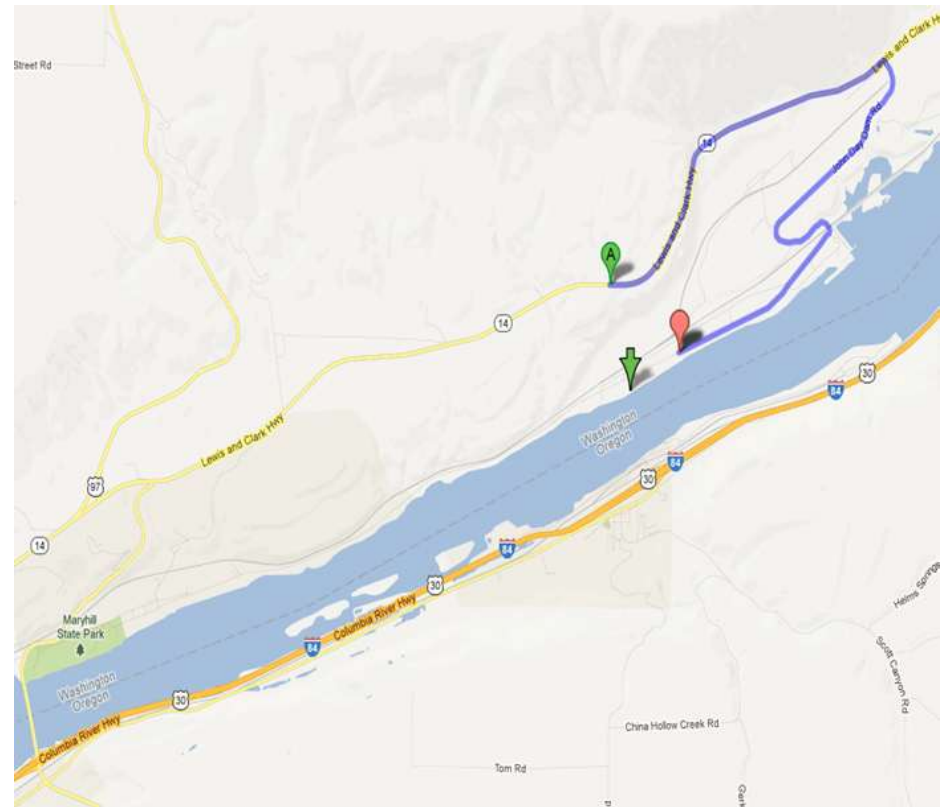
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Anchoring Post Driver(s)
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) (with Truck Operator)
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-118.3 Photo: Collection area.

**SiteContact**

No Information

NearestAddress

Unnamed Road
Goldendale, WA 98620

DrivingDirections**TO STRATEGY SITE:**

1. Head east on WA-14 E/Lewis and Clark Hwy toward John Day Dam Rd
2. Turn right onto John Day Dam Rd. Once on gravel, travel approximately 1.4 miles to the strategy location, staying to the right and along the river as you go.
3. BNSF access.

BOAT LAUNCH:

1. Site boat access is only for small skiffs to be hand carried. Large Boat Launch at French Giles Park (USACE Managed) across river just west of the John Day Dam.
2. Access from the Rufus exit on I-84, head to river, follow road to the right, Boat Launch will be on the left.

RM 212.2 - Upstream of Hwy 97 Bridge

FBS MP-116.1

Position - Location:	45.69392	-120.777116	Goldendale, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.69392, -120.777116. With FRV, tow remaining boom end upstream towards ENE and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Good staging near strategy site, approximately 300’ to the east of the collection point.	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE Dalles control room 541-298-7505. Boat Launches; 2.5 mile W. of staging area, Maryhill St. Park, WA. *Note: Due to terrain issues FRV will need to assist with recovery		
Watercourse:	River - River Below a Dam - Middle Columbia River - The Dalles Pool Area - Lake Celilo		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

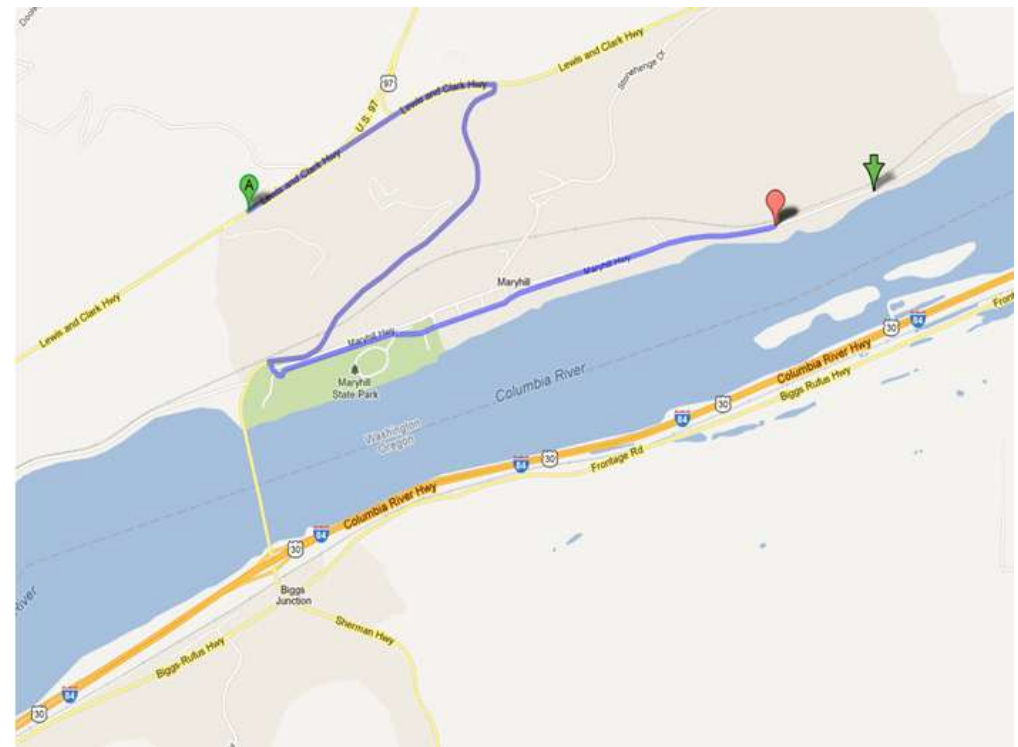
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Anchoring Post Driver(s)
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) (with Truck Operator) - 70bbl or 80bbl only
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-115.8 Photo: Aerial view of location, boom deployed from E. of pond.



SiteContact

No Information

NearestAddress

Unnamed Road
Goldendale, WA 98620

DrivingDirections

1. Head northeast on WA-14 E/Lewis and Clark Hwy toward US-97 N
2. Take the 1st right onto US-97 S
3. Head south on US-97 S toward Gore Rd
4. Take the 1st left onto Maryhill State Park Dr
5. Continue straight onto Columbus Rd past Church
6. Continue onto Maryhill Hwy - Once on gravel road, travel approximately 1.2 miles east down gravel road.



*Note: Due to terrain issues FRV will need to assist with recovery

RM 207.7 - Downstream of Hwy 97 Bridge

FBS MP-111.5

Position - Location:	45.67214	-120.862457	Goldendale, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.672139, -120.862457. With FRV, tow remaining boom end upstream towards NE or ENE and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Great access, limited space (no tractor trailers)	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE Dalles control room 541-298-7505. Boat Launches; 2 miles E. of staging area, Maryhill State Park, WA. *Note: Due to terrain issues FRV/Skiff will need to assist with recovery		
Watercourse:	River - River Below a Dam - Middle Columbia River - The Dalles Pool Area - Lake Celilo		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

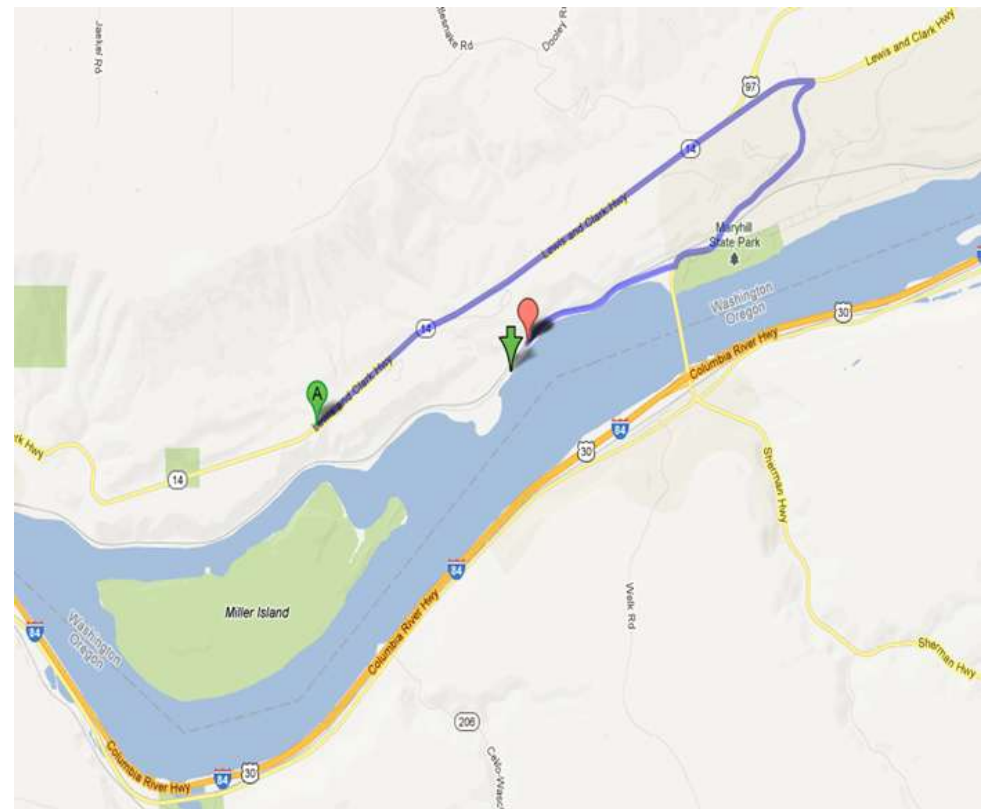
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Anchoring Post Driver(s)
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) (with Truck Operator) - 70bbl or 80bbl only
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-111.5 Photo: General Site Layout

**SiteContact**

No Information

NearestAddress

Unnamed Road
Goldendale, WA 98620

DrivingDirections

1. Head northeast on WA-14 E/Lewis and Clark Hwy toward US-97 N
2. Take the 1st right onto US-97 S
3. Just past Maryhill State Park, take right at Fruit stand.
4. Continue straight along gravel road. Once on gravel road, travel approximately 1.2 miles down; site will be where there are two traffic paths.
5. BNSF access.



*Note: Due to terrain issues FRV/Skiff will need to assist with recovery

RM 203.0 - Upstream of Rail Bridge

FBS MP-106.9

Position - Location:	45.66032	-120.951469	Lyle, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.660322, -120.951469 or within limits depicted on strategy image (below). With FRV, tow remaining boom end upstream and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. Use culvert blocking systems to stop flow into or out of pond located NE of staging area (near MP 107). *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Additional Boat Launch directly across the river from railyard at the Celilo exit off of I-84.	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE Dalles control room 541-298-7505. Access river from east end of rail yard to west end. Boom within these limits to control & contain spill. Boat Launch across river (Celilo) and 5 miles downstream at Avery Recreation Area (Lyle, WA).		
Watercourse:	River - River Below a Dam - Middle Columbia River - The Dalles Pool Area - Lake Celilo		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

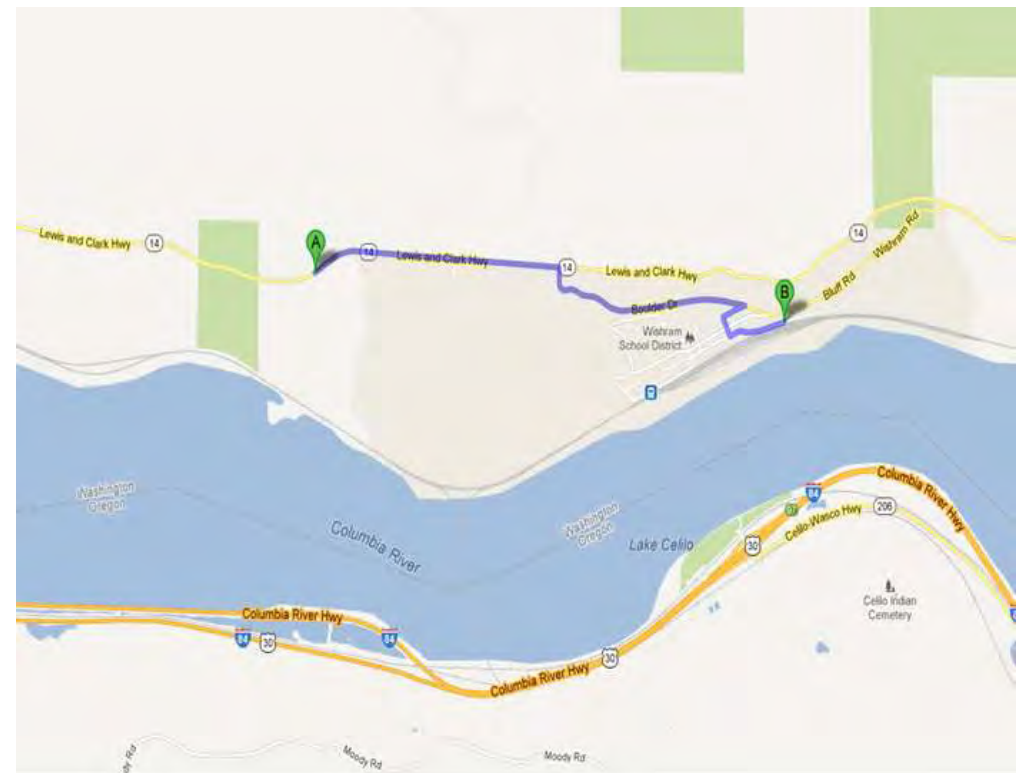
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
2	Each	Anchor Post(s) & Post Diver(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
4	Each	Culvert Blocking Systems
1	Each	Vac Truck(s) (with Truck Operator)
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-106.9 Photo: View of strategy locations downstream on river right of the Columbia River. Extent of railyard access to water visible.



SiteContact

No Information

NearestAddress

Johnston Avenue
Lyle, WA 98635

DrivingDirections

1. Head northeast on WA-14 E/Lewis and Clark Hwy toward Wishram rd. MM 94.6.
2. Straight with jog to left, Main St.
3. BNSF access at Wishram Terminal, crossing at W. end.
4. Follow dirt road to left E.

RM 199.4 - Downstream of Rail Bridge

FBS MP-103.6

Position - Location:	45.65848	-121.014833	Lyle, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.658741,-121.011190. With FRV, tow remaining boom end upstream towards SE or ESE and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE Dalles control room 541-298-7505. Boat Launches; 1 mile NW. of staging area, Avery Recreation area. Direction bank/water access from the access road for approximately 1.5 miles for additional containment/recovery.		
Watercourse:	River - River Below a Dam - Middle Columbia River - The Dalles Pool Area - Lake Celilo		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		

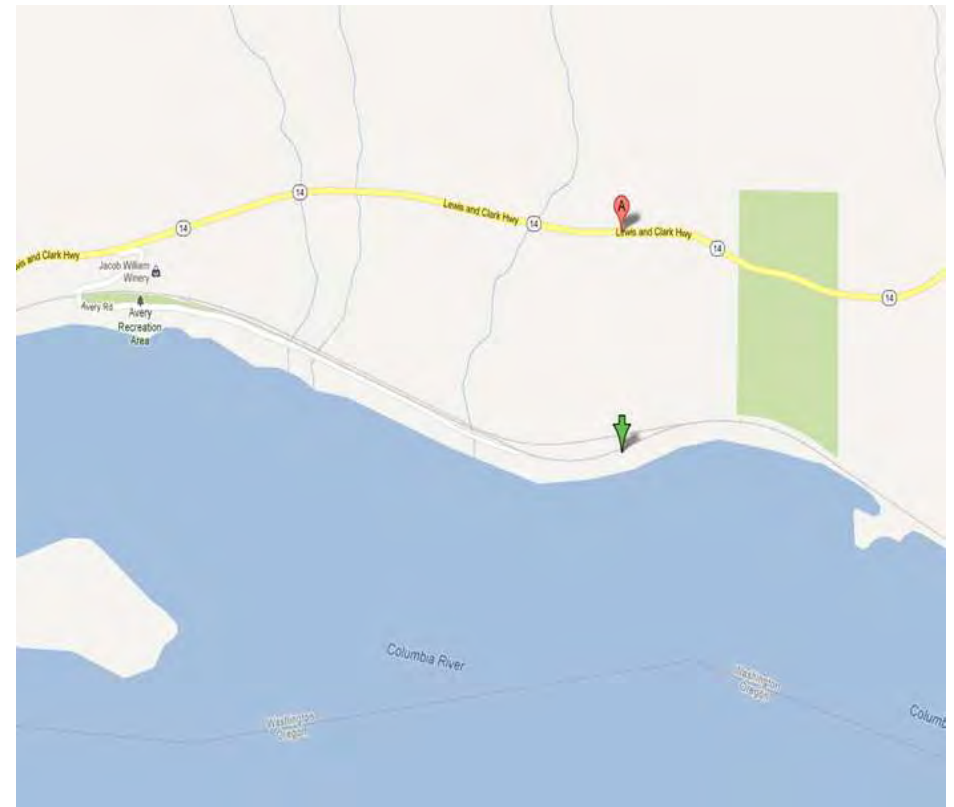


Recommended Equipment

1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Anchor Post Driver(s)
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing barge (sized for boom)
1	Each	Vac Truck(s) (with Truck Operator)
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)

**SiteContact**

No Information

NearestAddress

Unnamed Road
Lyle, WA 98635

DrivingDirections

1. Head northeast on WA-14 E/Lewis and Clark Hwy toward Avery Rd
2. Slight right onto Avery Rd 1.2 mi; Unnamed Rd, Lyle, WA 98635
3. Take left after RR crossing.

RM 194.2 - Horsethief Lake State Park

FBS MP-98.5

Position - Location:	45.63991	-121.103485	Lyle, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.639909,-121.103485. With FRV, tow remaining boom end upstream towards NE or ENE and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Large staging area at park for equipment. Good recovery access but only 80-70bbl able to fit at recovery location.	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE 541-298-7505. Boat Launch is available at recovery location for smaller skiffs/FRVs.		
Watercourse:	River - River Below a Dam - Middle Columbia River - The Dalles Pool Area - Lake Celilo		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		

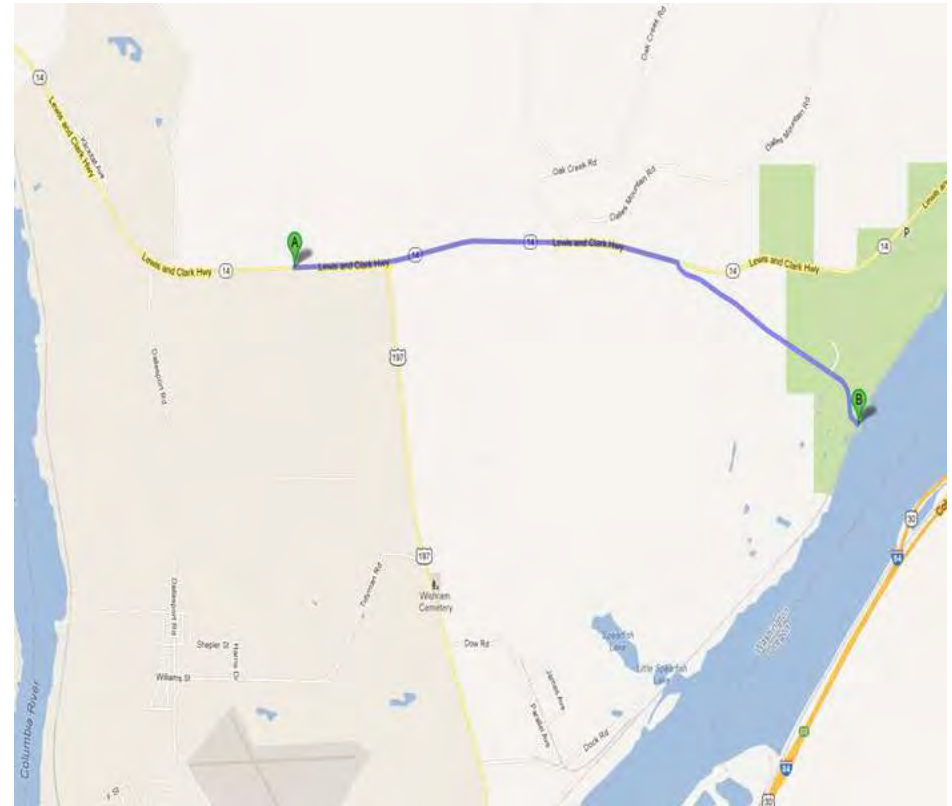


Recommended Equipment

1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Anchor Post Driver(s)
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) (with Truck Operator) - 70bbl or 80bbl only
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)

**SiteContact**

No Information

NearestAddress

Unnamed Road
Lyle, WA 98635

DrivingDirections

1. Head east on WA-14 E/Lewis and Clark Hwy toward US-197 S
2. Turn into Columbia Hills State Park at Hwy MP 85.3 (Horsethief Lake State Park)
3. Follow road and signage through park to boat launch at river.

RM 192.9 - Vicinity of Little Spearfish Lake & Threemile Creek

FBS MP-97.0

Position - Location:	45.62328	-121.125544	Lyle, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.623275, -121.125544. With FRV, tow remaining boom end upstream towards NE and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Lots of room, great staging area with easy access to water	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE 541-298-7505. Boat Launches; 1.5 miles SW of staging area, Dalles Dam. Property owned by Port of Klickitat; coordinate with port by calling 509-493-1655.		
Watercourse:	River - River Below a Dam - Middle Columbia River - The Dalles Pool Area - Lake Celilo		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		

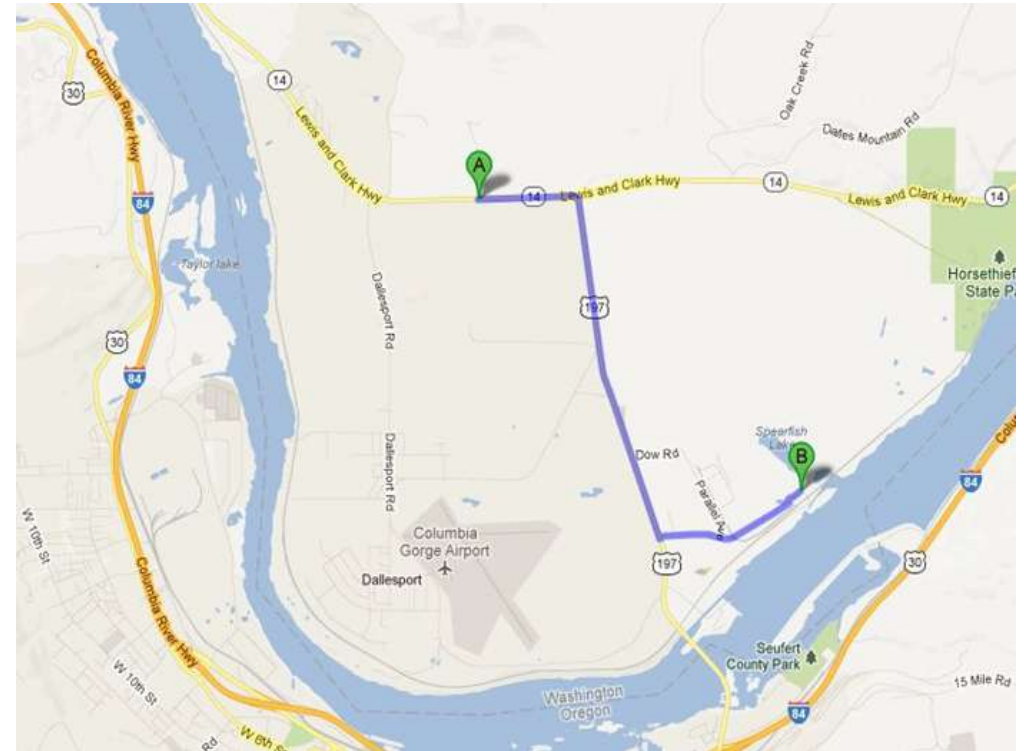


Recommended Equipment

1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Anchor Post Driver(s)
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) (with Truck Operator)
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



SiteContact

Port of Klickitat
154 E Bingen Point Way
Suite A
Bingen, WA 98605
Phone: 509-493-1655

NearestAddress

Dock Road
Lyle, WA 98635

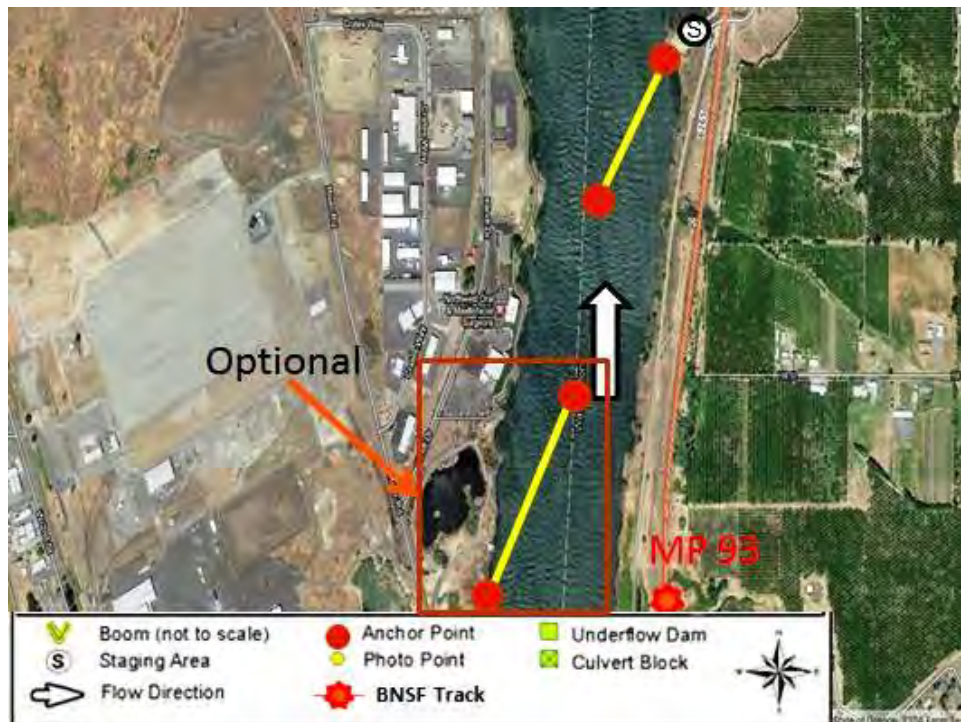
DrivingDirections

1. Head east on WA-14 E/Lewis and Clark Hwy toward Smith Rd
2. Take the 1st right onto US-197 S 2.1 mi
3. Turn left onto Dock Rd 0.8 mi
4. Take the 3rd left to stay on Dock Rd

RM 187.7 - Columbia River

FBS MP-92.5

Position - Location:	45.62838	-121.192986	Dallesport, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.628377, -121.192986. With FRV, tow remaining boom end upstream towards SW or SSW and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE 541-374-8338. Boat Launches; I-84, Brewery rd., 2 miles W. of the Dalles Bridge, OR side. *Note: Terrain is navigatable; however ropes may be needed to assist with travel up and down to collection area		
Watercourse:	River - River Below a Dam - Middle Columbia River - Bonnelville Pool Area		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

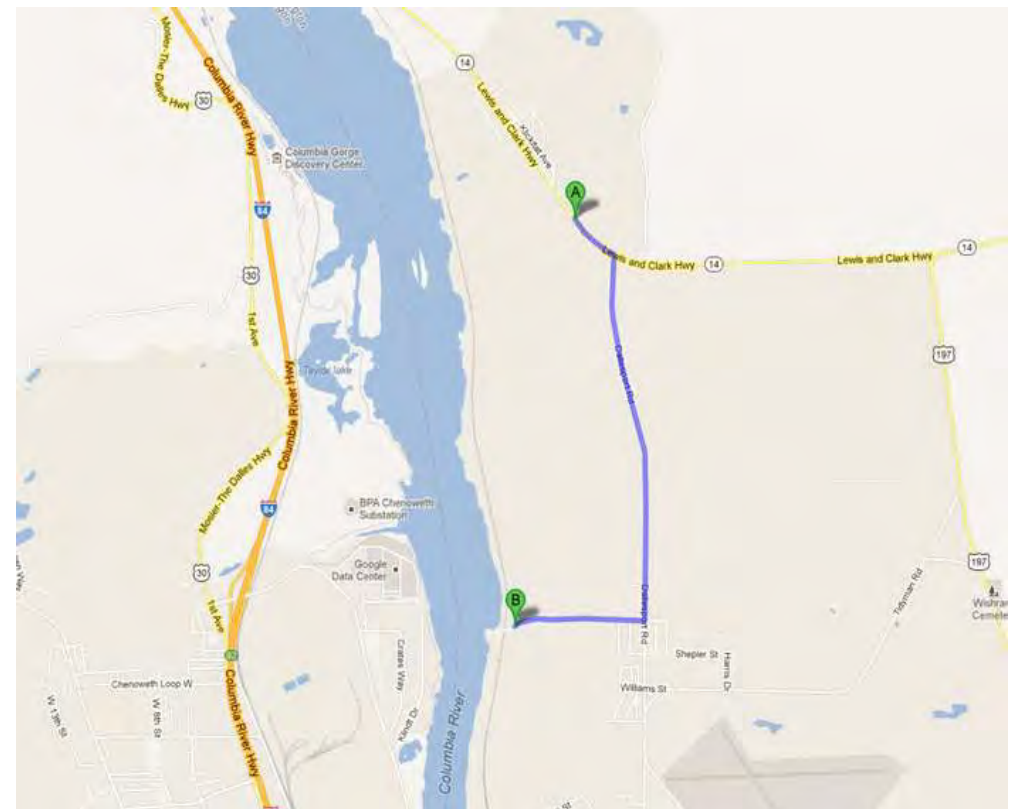
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Anchor Post Driver(s)
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) (with Truck Operator) - 70bbl or 80bbl only
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-92.5 Photo: Collection area.

**SiteContact**

No Information

NearestAddress

303 Garden Lane
Lyle, WA 98635

DrivingDirections

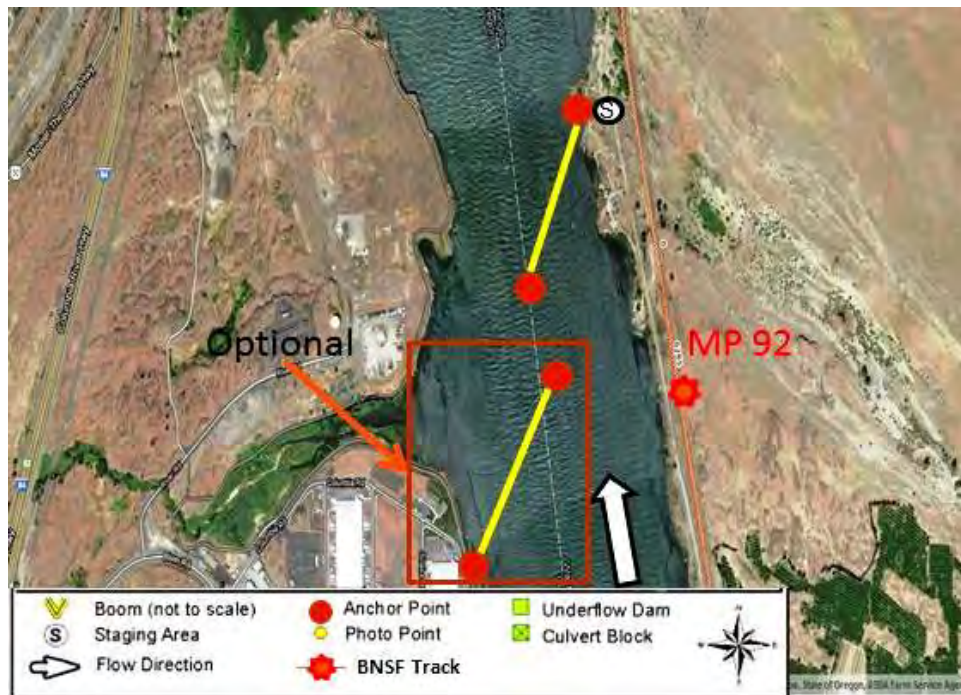
1. Head southeast on WA-14 E toward Dallesport Rd MM 82.
2. Turn right onto Dallesport d .
3. Turn right onto Garden Ln .
4. Unknown road with crossing.

*Note: Terrain is navigatable; however ropes may be needed to assist with travel up and down to collection area

RM 187.0 - Columbia River

FBS MP-91.8

Position - Location:	45.63891	-121.195561	Dallesport, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.638914, -121.195561. With FRV, tow remaining boom end upstream towards SW or SSW and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. Use diversion from OR side of river if necessary to divert oil to collection area. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Limited access for 80 or 70 bbl vacuum truck.	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE control room 541-374-8338. Boat Launches; I-84, Brewery rd., 2 miles W. of the Dalles Bridge, OR side.		
Watercourse:	River - River Below a Dam - Middle Columbia River - Bonnelville Pool Area		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

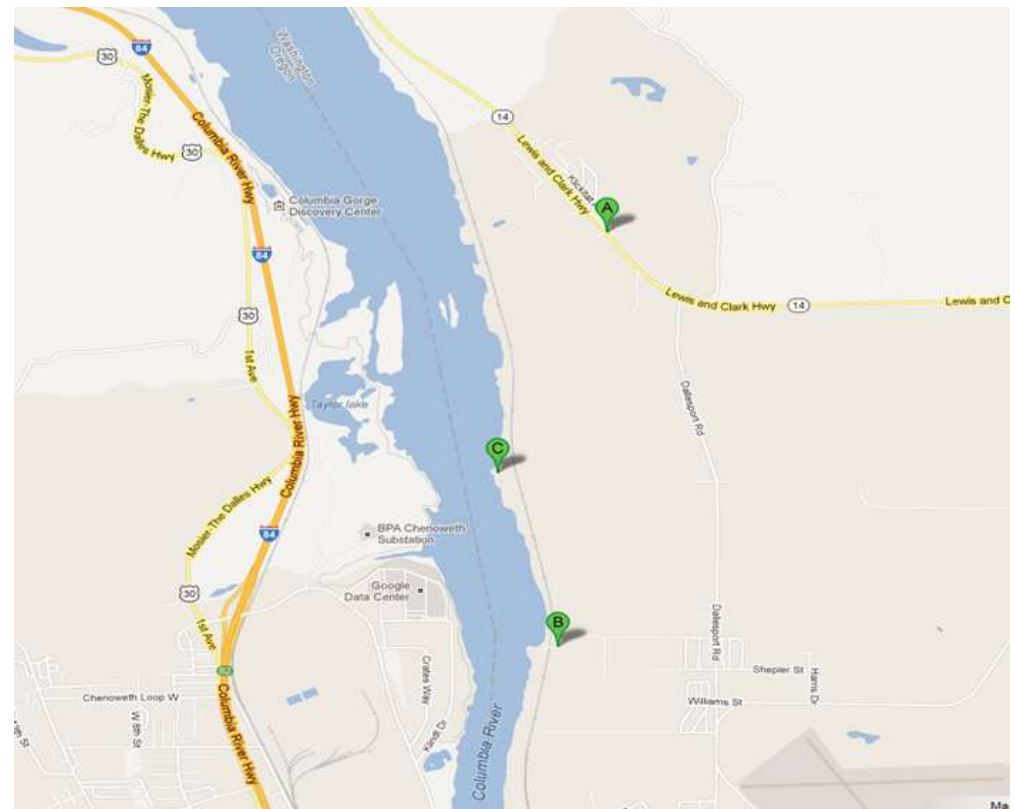
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Anchor Post Driver(s)
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) (with Truck Operator) - 70bbl or 80bbl only
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-91.75 Photo: Collection area.

**SiteContact**

No Information

NearestAddress

303 Garden Lane
Lyle, WA 98635

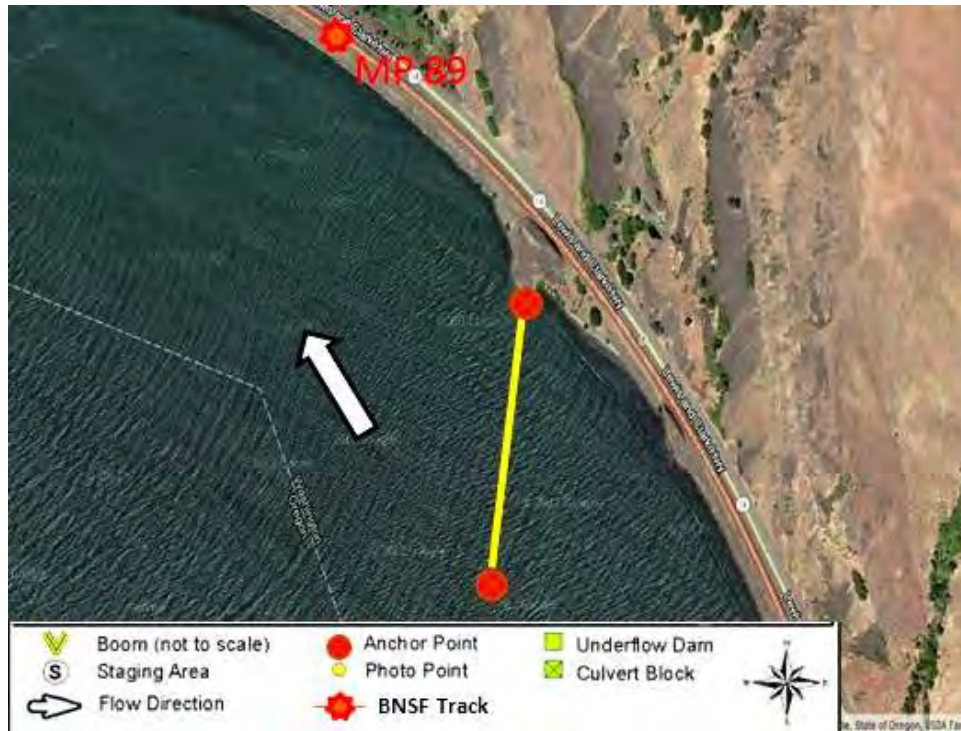
DrivingDirections

1. Head southeast on WA-14 E toward Dallesport Rd MM 82.
2. Turn right onto Dallesport Rd.
3. Turn right onto Garden Ln.
4. After railroad crossing, follow curve to right and stay on dirt road, heading downstream along river.
Strategy location ~0.8 miles downstream after curve.

RM 184.5 - North of Squally Point

FBS MP-89.1

Position - Location:	45.67191	-121.212121	Lyle, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.67191, -121.212121. With FRV, tow remaining boom end upstream towards S or SSW and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed. THERE IS NO SHORESIDE ACCESS HERE FOR RECOVERY OR SITE ACCESS, ON WATER COLLECTION POINT ONLY.		
StagingAreaTxt:	Off-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards (do not work within 25' of the track without		
FieldNotes:	Call BNSF, Notify USACE control room 541-374-8338. Boat Launches; 4 miles W. of staging area, Cove rd, Lyle, WA. *Note: WATER ACCESS ONLY. No access from highway; No shoulder for vehicles or access by foot.		
Watercourse:	River - River Below a Dam - Middle Columbia River - Bonnelville Pool Area		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

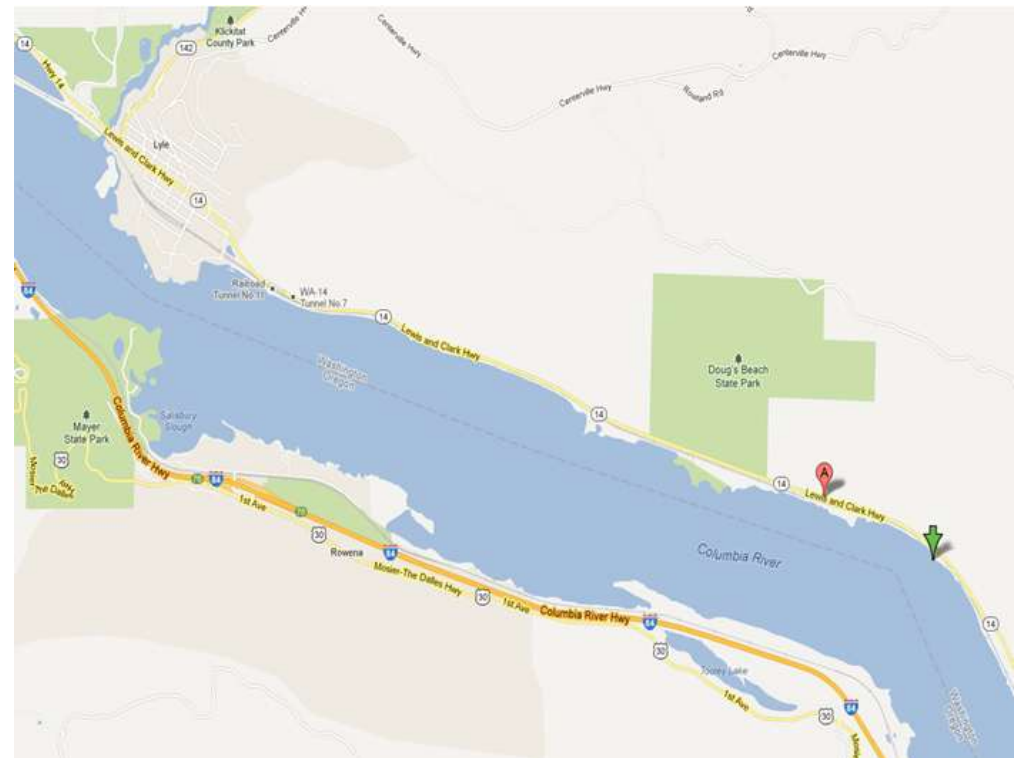
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Anchor Post Driver(s)
1	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-89.1 Photo: Collection area



SiteContact

No Information

NearestAddress

Lewis and Clark Hwy
Lyle, WA 98635

DrivingDirections

1. Head southeast on WA-14 E
2. MM793. River accss.

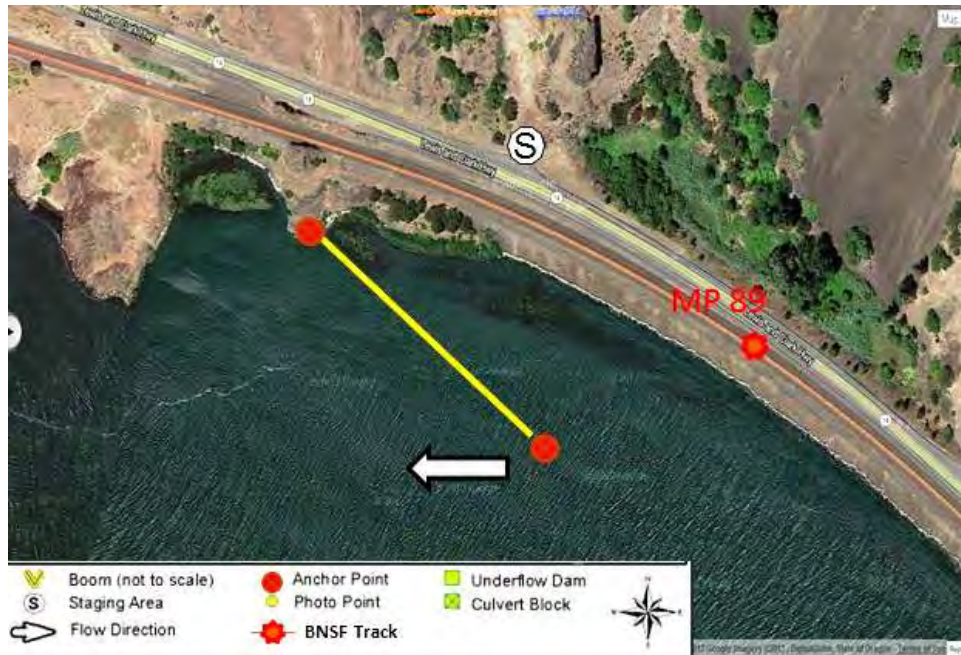


*Note: NO ACCESS FROM THE HIGHWAY, there is no shoulder for vehicles or access by foot. Only access to this CCP will be from the water.

RM 184.3 - North of Squally Point

FBS MP-88.8

Position - Location:	45.67412	-121.218424	Lyle, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.67412, -121.218424. With FRV, tow remaining boom end upstream towards SE or ESE and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	Off-Site	Recovery would take place from Hwy shoulder; shoulder closure and traffic control needed for safety.	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazard. Need shoulder closure & traffic control.		
FieldNotes:	Call BNSF, Notify USACE control room 541-374-8338. Boat Launches; 4 miles W. of staging area, Cove rd, Lyle, WA *No crossing available, temporary crossing or pipe under track will need to be installed for recovery. FRV/Skiff may be needed to assist.		
Watercourse:	River - River Below a Dam - Middle Columbia River - Bonnelville Pool Area		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

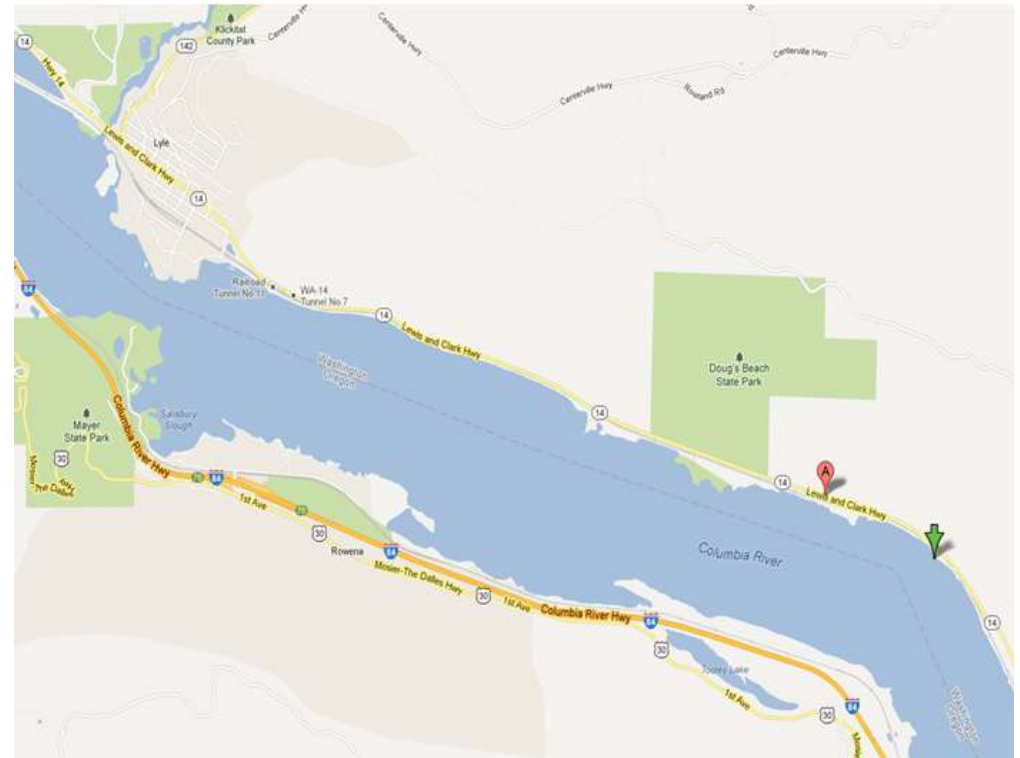
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Anchor Post Driver(s) & Post Driver
1	Asst	Booster Pump, 200ft Hose, 20ft hard pipe (3in) for under tracks
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) (with Truck Operator) - 70bbl or 80bbl only
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-88.8 Photo: Collection area



SiteContact

No Information

NearestAddress

Lewis and Clark Hwy
Lyle, WA 98635

DrivingDirections

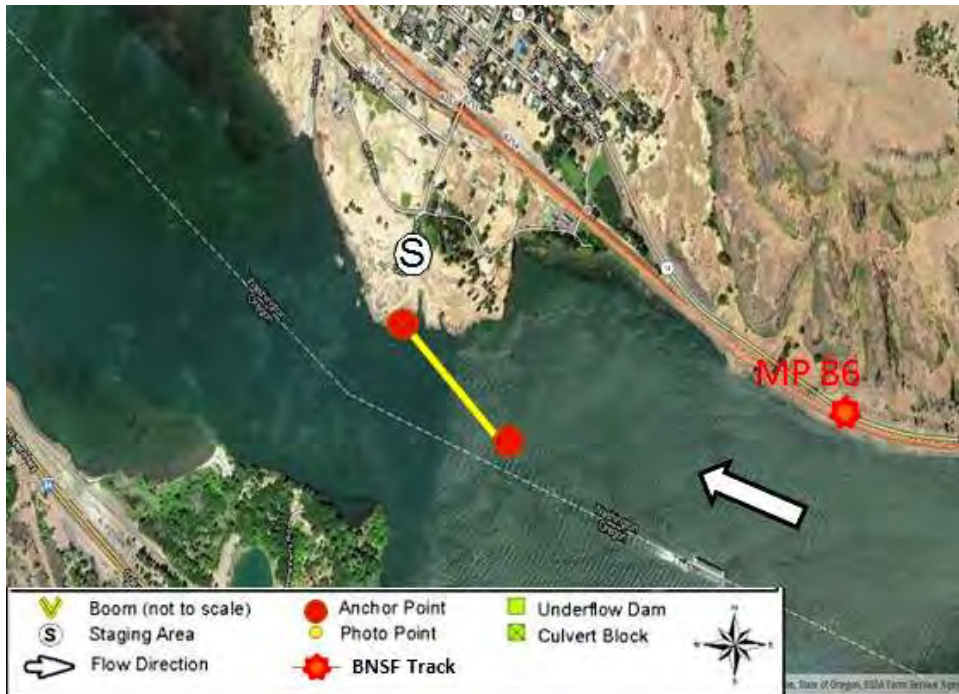
1. Head southeast on WA-14 E
2. MM793. River accss.

*Note: No crossing available, temporary crossing or pipe under track will need to be installed for recovery.
FRV/Skiff may be needed to assist with collection due to terrain issues

RM 180.9 - Upstream of Klickitat River

FBS MP-85.5

Position - Location:	45.68829	-121.285962	Lyle, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.688285, -121.285962. With FRV, tow remaining boom end upstream towards SE or ESE and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. Due to terrain skiff may be used to assist with recovery. Lower hose from Vac Truck to skiff to perform skimming operations below. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Site has good staging. Access available for 80 bbl vacuum truck only (or similar size).	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE control room 541-374-8338. Boat Launches; 500 ft W. of staging area, Cove rd, Lyle, WA. *Note terrain issues. Small skiff will be needed to assist with recovery efforts		
Watercourse:	River - River Below a Dam - Middle Columbia River - Bonnelville Pool Area		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resources nearby.		

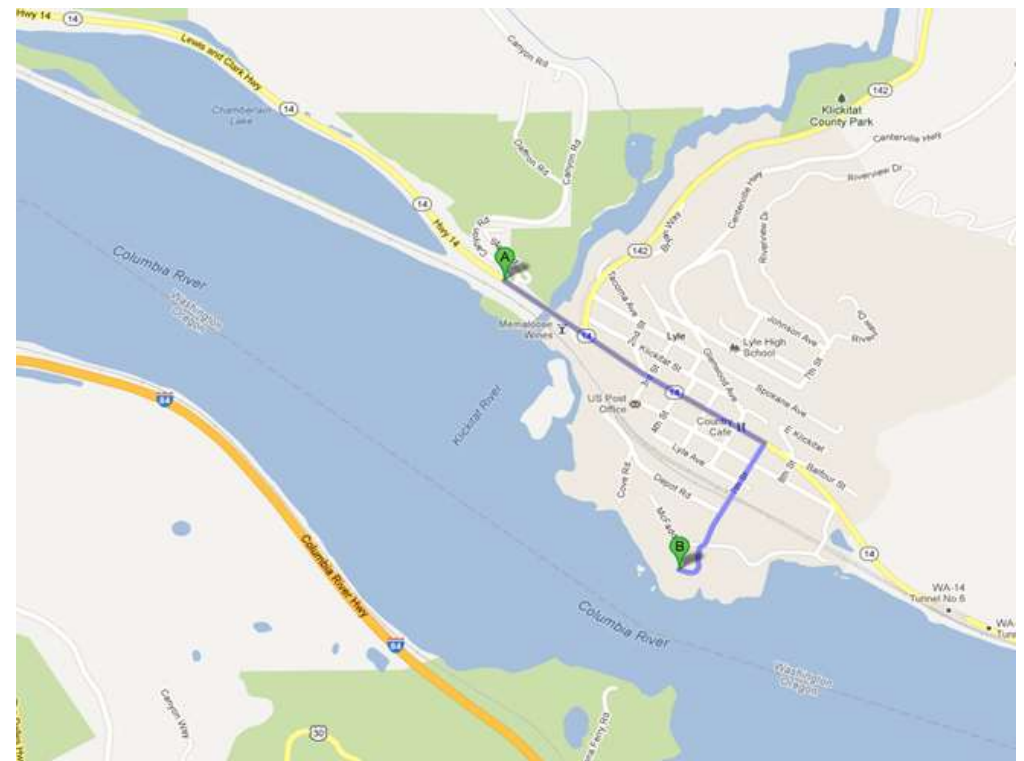


Recommended Equipment

1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Skiff(s)
2	Each	Anchor Post Driver(s) & Post Driver
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) (with Truck Operator) - 70bbl or 80bbl only
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-85.5 Photo: Collection area.

SiteContact

No Information

NearestAddress

208-214 Old Ferry Crossing
Lyle, WA 98635

DrivingDirections

1. Head southeast on WA-14/Lewis and Clark Hwy toward Canyon Rd MM 76.6.
2. Turn right onto 7th St
3. Turn right onto Old Ferry Crossing
4. After entering park gates take first right then immediate left.



*Note terrain issues. Small skiff will be needed to assist with recovery efforts

RM 178.8 - Near Chamberlain Lake Rest Area

FBS MP-83.1

Position - Location:	45.70503	-121.324553	Lyle, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.705029, -121.324553 and form collection pocket. With FRV, tow remaining boom end upstream towards SE and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	Off-Site:	NO SHORE ACCESS – WATER ONLY; Terrain too steep for land side recovery	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards. Cliffs present near water.		
FieldNotes:	Call BNSF, Notify USACE control room 541-374-8338. Boat Launches; 2.5 miles W. of staging area, Cove rd, Lyle, WA. *On-water collection only. Terrian too steep for land side recovery.		
Watercourse:	River - River Below a Dam - Middle Columbia River - Bonnelville Pool Area		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

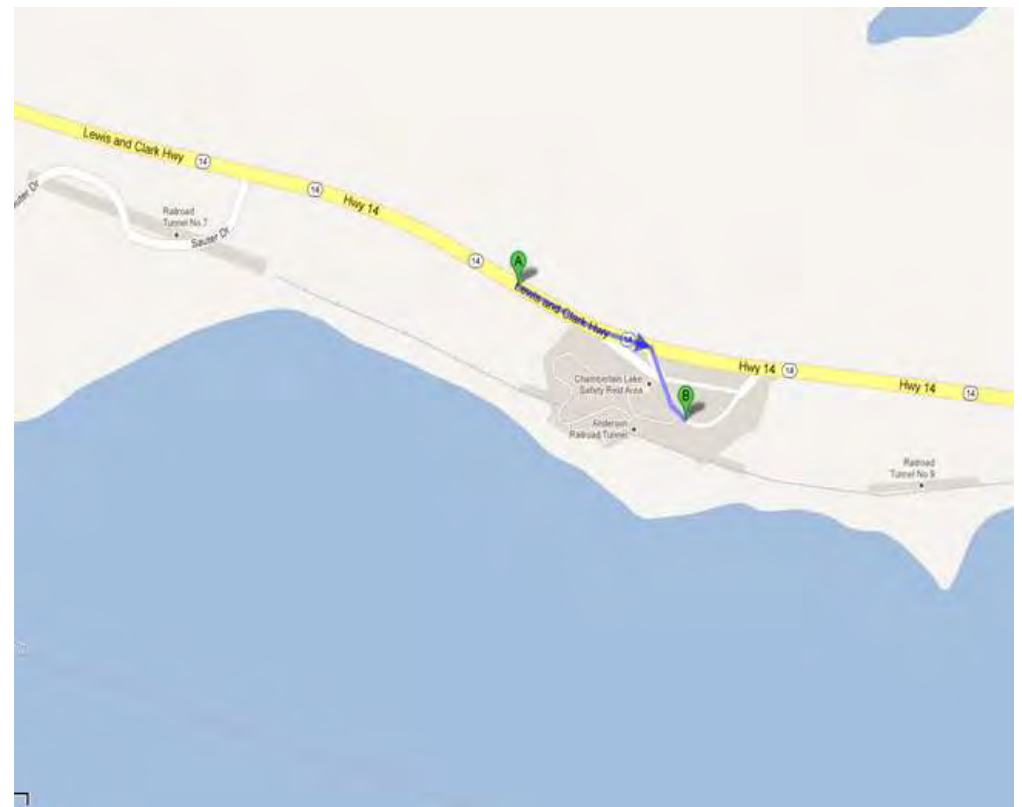
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Anchor Post Driver(s)
2	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Skimming System with On-Water Storage Capacity
1	Each	Towing bridle (sized for boom)
2	Each	Heaving Line(s)

Recommended Personnel

1	Supervisor(s)
2	Laborer(s)
1	Boat Operator(s)



FBS-83.1 Photo: Chamberlain Rest Area collection site

**SiteContact**

No Information

NearestAddress

Lewis and Clark Hwy
Lyle, WA 98635

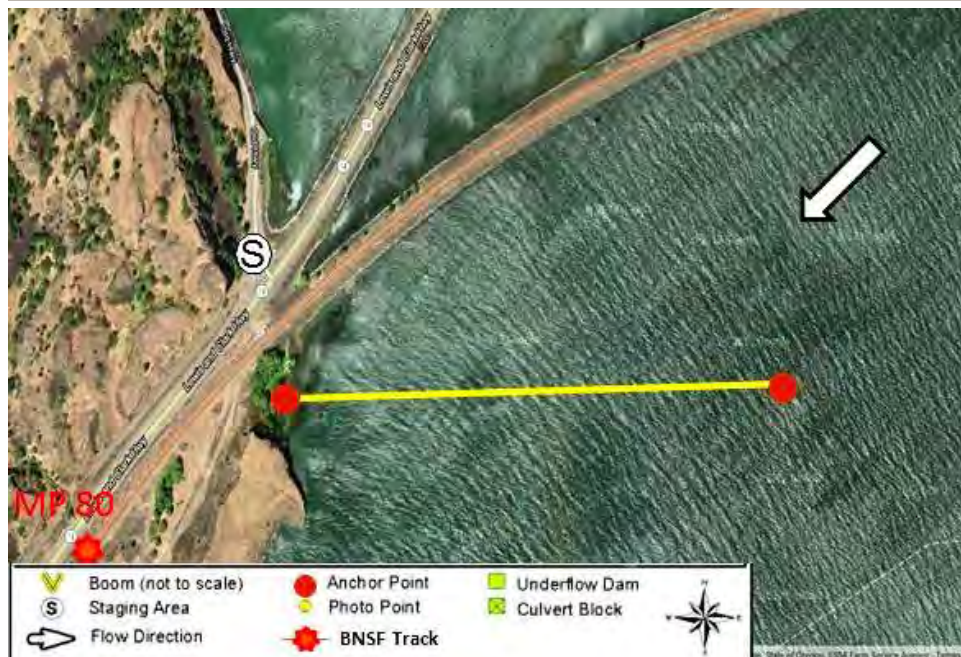
DrivingDirections

1. Head southeast on WA-14/Lewis and Clark Hwy
2. At Hwy MP 74.2 turn right Chamberlin Lake Safety Rest Area
3. Steep trail down towards colleion site (Use Caution).

RM 175.9 - Vicinity of Rowland Lake

FBS MP-80.2

Position - Location:	45.70410	-121.383018	Lyle, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.704099, -121.383018. With FRV, tow remaining boom end upstream towards E or ENE and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Great location but will need temporary track crossing for any extended duration cleanup/recovery.	
SiteSafety:	(Railroad) TRACK FLAGMAN REQUIRED. Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards		
FieldNotes:	Call BNSF, Notify USACE Bonneville control room 541-374-8338. Boat Launches; 4.5 miles W. of staging area, Marina Park, Bingen, WA. *Note: No crossing available, temporary crossing or pipe under track will need to be installed for recovery.		
Watercourse:	River - River Below a Dam - Middle Columbia River - Bonnelville Pool Area		
Resources atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Anchor Post Driver(s) & Post Driver
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Skimming Vessel
1	Each	Towing bridal (sized for boom)
1	Each	Vac Truck(s) (with Truck Operator) - 70bbl or 80bbl only
1	Asst	Booster Pump, 200ft Hose, 20ft hard pipe (3in) for under tracks

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-80.1 Photo: Shore side anchor point



SiteContact

No Information

NearestAddress

Lewis and Clark Hwy
Lyle, WA 98635

DrivingDirections

1. Head southeast on WA-14/Lewis and Clark Hwy
2. Towards Rowland Lake MM 70.5



*Note: No crossing available, temporary crossing or pipe under track will need to be installed for recovery.

RM 174.3 - Vicinity of Look Lake

FBS MP-78.7

Position - Location:	45.69858	-121.409987	Bingen, WA (Klickitat County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.698578, -121.409987. With FRV, tow remaining boom end upstream towards SE or ESE and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. Vertical lift may require additional pumping capacity for oil removal. A temporary crossing/access may be needed for longer term recovery efforts. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	No good access or parking off Hwy 14; limited along shoulder. Temporary track crossing needed if cleanup extended.	
SiteSafety:	(Railroad) TRACK FLAGMAN REQUIRED; TRAFFIC CONTROL CREW REQUIRED; Slip, trip & fall hazards; water hazards; active railway.		
FieldNotes:	Call BNSF, Notify USACE Bonneville control room 541-374-8338 Boat Launches; 3 miles W. of staging area, Marina Park, Bingen, WA.		
Watercourse:	River - River Below a Dam - Middle Columbia River - Bonnelville Pool Area		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

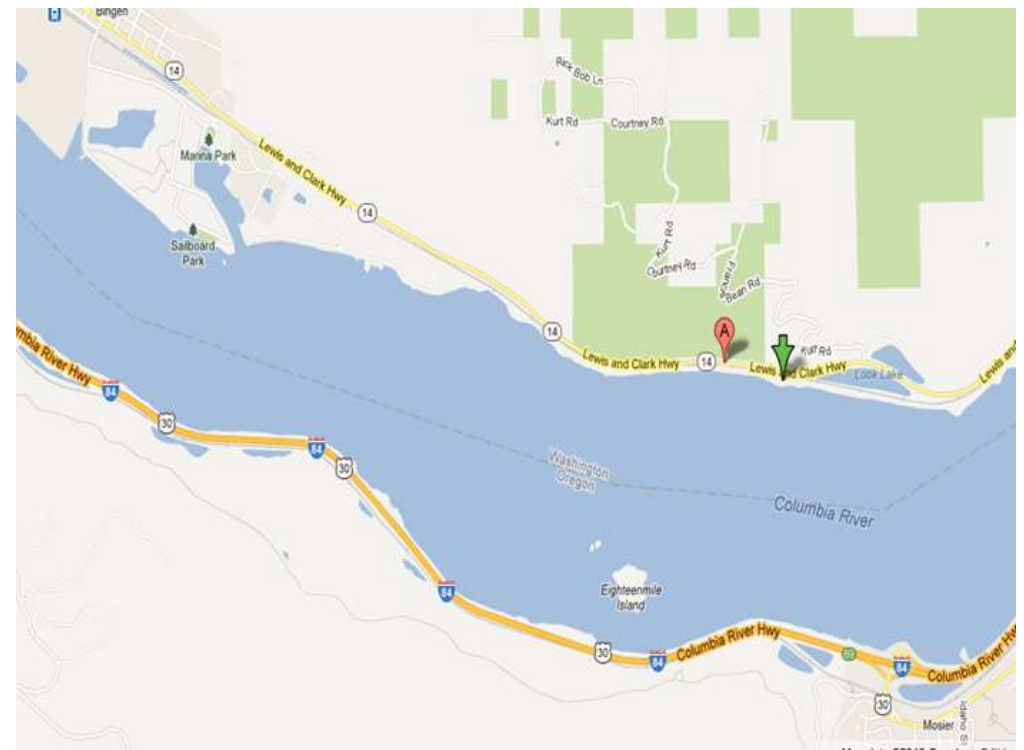
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
4	Each	Anchor Post Driver(s) & (2) Post Drivers
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridal (sized for boom)
1	Each	Booster Pump, 200ft Hose, 20ft hard pipe (3in) for under tracks
1	Each	Vac Truck(s) (with Truck Operator) - 70bbl or 80bbl only
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-78.7 Photo: Staging area.



SiteContact

No Information

NearestAddress

Lewis and Clark Hwy
Bingen, WA 98605

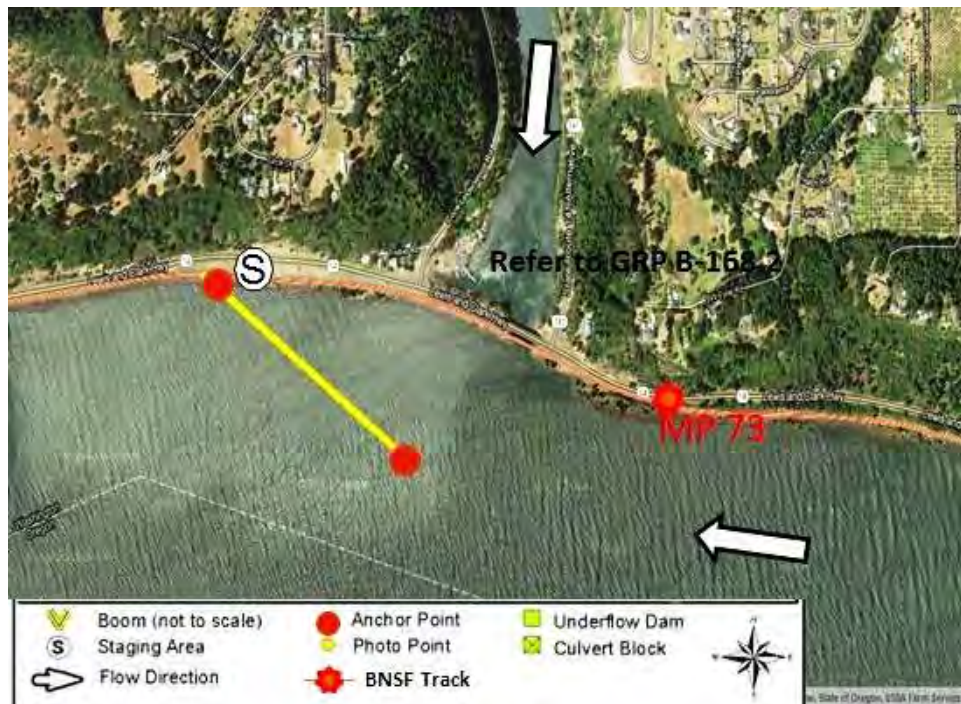
DrivingDirections

1. Head southeast on WA-14/Lewis and Clark Hwy
2. Towards Look Lake MM 70, no crossing.

RM 167.7 - Vicinity of White Salmon River

FBS MP-72.3

Position - Location:	45.72934	-121.531985	Underwood, WA (Skamania County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.729341, -121.531985. With FRV, tow remaining boom end upstream towards SE or ESE and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	(Railroad) TRACK FLAGMAN REQUIRED; Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway		
FieldNotes:	Call BNSF, Notify USACE Bonneville control room 541-374-8338 Boat Launches; Cook Underwood RD. just N. of staging area. *Note: No crossing available, temporary crossing or pipe under track will need to be installed for recovery.		
Watercourse:	River - River Below a Dam - Middle Columbia River - Bonnelville Pool Area		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

1300	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
4	Each	Anchor Post Driver(s) & (2) Post Drivers
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	20ft hard pipe (3in) for under tracks
1	Each	Vac Truck(s) (with Truck Operator)
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-72.3 Photo: Collection area.



SiteContact

No Information

NearestAddress

63261-63283 Lewis and Clark Hwy
Underwood, WA 98651

DrivingDirections

1. Head southeast on WA-14/Lewis and Clark Hwy
2. Towards White Salmon River, MM 63.



*Note: No crossing available, temporary crossing or pipe under track will need to be installed for recovery.

RM 161.4 - Downstream of Drano Lake

FBS MP-65.8

Position - Location:	45.70845	-121.659588	Bingen, WA (Skamania County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.708453, -121.659588. With FRV, tow remaining boom end upstream towards SE or ESE and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. Use shore & anchors for boom across mouth of Tribal fishing area NE of staging area. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Great location, tight access with boat trailers to launch and park. 80 bbl or similar vacuum truck only (or similar size).	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Notify USACE Bonneville control room 541-374-8338. Tribal Fishing Area in vicinity of strategy location. Boat Launch at site. Another nearby Boat Launch at Drano Lake near Hwy MP 57.		
Watercourse:	River - River Below a Dam - Middle Columbia River - Bonnelville Pool Area		
Resources atRisk:	Downstream habitat, fresh water wildlife.		



Recommended Equipment

1500	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
3	Each	Anchor Post Driver(s) & (2) Post Drivers
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	200ft Hose (oil recovery)
1	Each	Vac Truck(s) (with Truck Operator) - 70bbl or 80bbl only
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-65.8 Photo: Staging area boat launch

**SiteContact**

No Information

NearestAddress

Cook-Underwood Rd, Gifford Pinchot
National Forest, Bingen, WA 98605

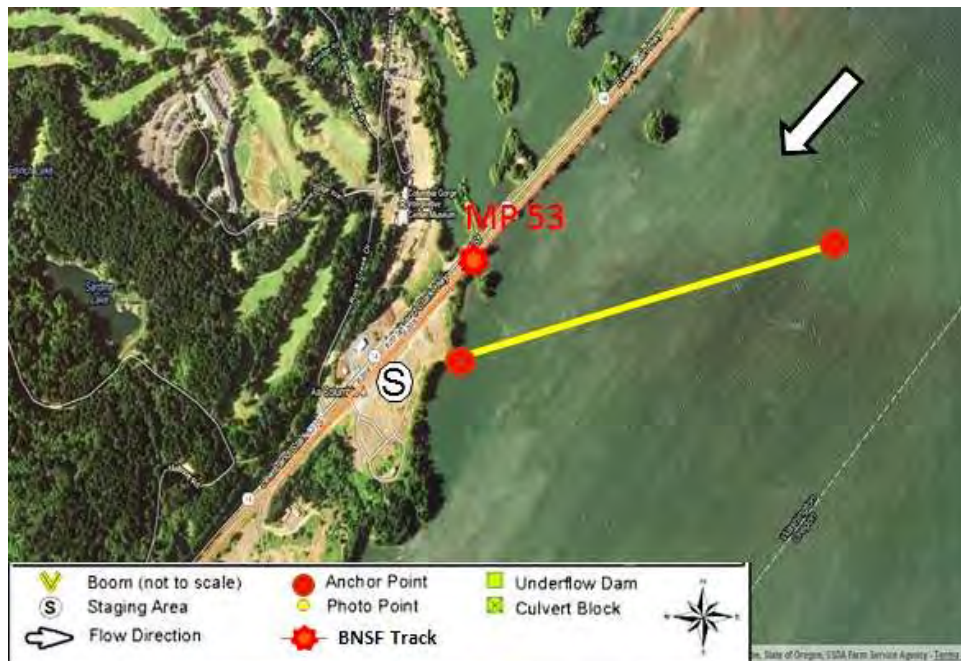
DrivingDirections

1. Head southeast on WA-14/Lewis and Clark Hwy
2. Turn right on Cook Underwood Rd MM 56.6.
3. Tribal Fishing Area.

RM 149.5 - North of Cascade Locks

FBS MP-52.9

Position - Location:	45.68318	-121.897696	Stevenson, WA (Skamania County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.683177, -121.897696. With FRV, tow remaining boom end upstream towards ENE or E and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards. Beware of submerged pilings near shore sec		
FieldNotes:	Call BNSF, Notify USACE Bonneville control room 541-374-8338 Boat Launches; Port Docks 1 mile N. Stevenson, WA.		
Watercourse:	River - River Below a Dam - Middle Columbia River - Bonnelville Pool Area		
Resources_atRisk:	Downstream habitat, fresh water wildlife.		



Recommended Equipment

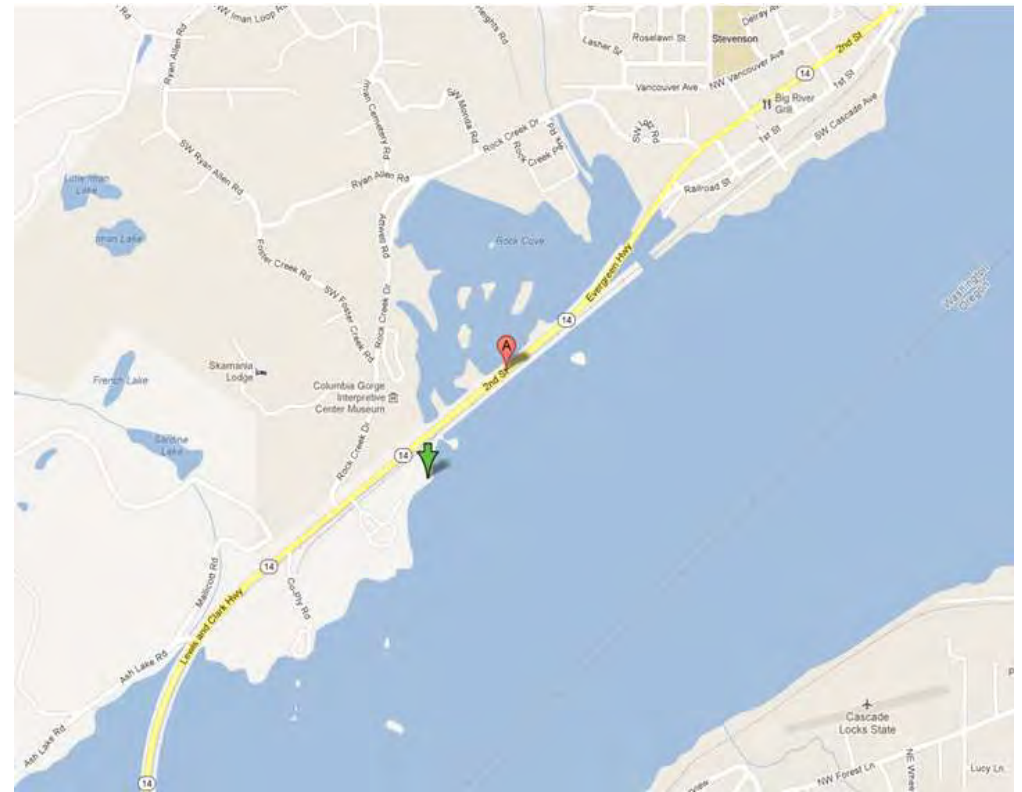
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
2	Each	Anchor Post Driver(s) & (2) Post Drivers
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Booster Pump with 200ft Hose
1	Each	Vac Truck(s) (with Truck Operator)
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-52.9 Photo: Columbia river, fbs 53 collection site.



SiteContact

No Information

NearestAddress

Lewis and Clark Hwy
Stevenson, WA 98648

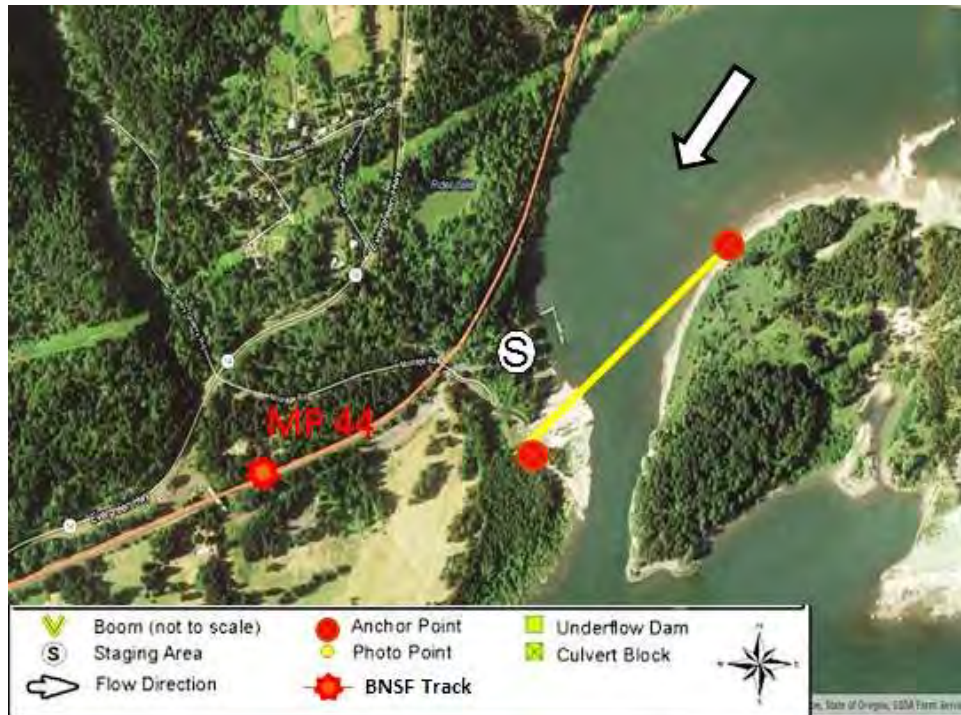
DrivingDirections

1. Head southeast on WA-14/Lewis and Clark Hwy
2. Toward Rock Cove, Stevenson, WA.
3. Turn right onto crossing MM 43.1
4. BNSF access.

RM 141.2 - Vicinity of Woodard Creek

FBS MP-44.3

Position - Location:	45.61928	-122.019461	Stevenson, WA (Skamania County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom end to river bank near 45.619275,-122.019461. With FRV, tow remaining boom end upstream towards ENE or E and anchor in place, as appropriate, based on environmental conditions and river speed. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site	Great location and Staging Area	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF. Call USFWS at 360-607-2698, 360-835-8767, or 360-887-4106; creek runs through Pierce National Wildlife Refuge. Boat Launches; 100 ft NE of staging area (Moorage Rd).		
Watercourse:	River - River Below a Dam - Lower Columbia River - (Waters below the Bonneville Dam)		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

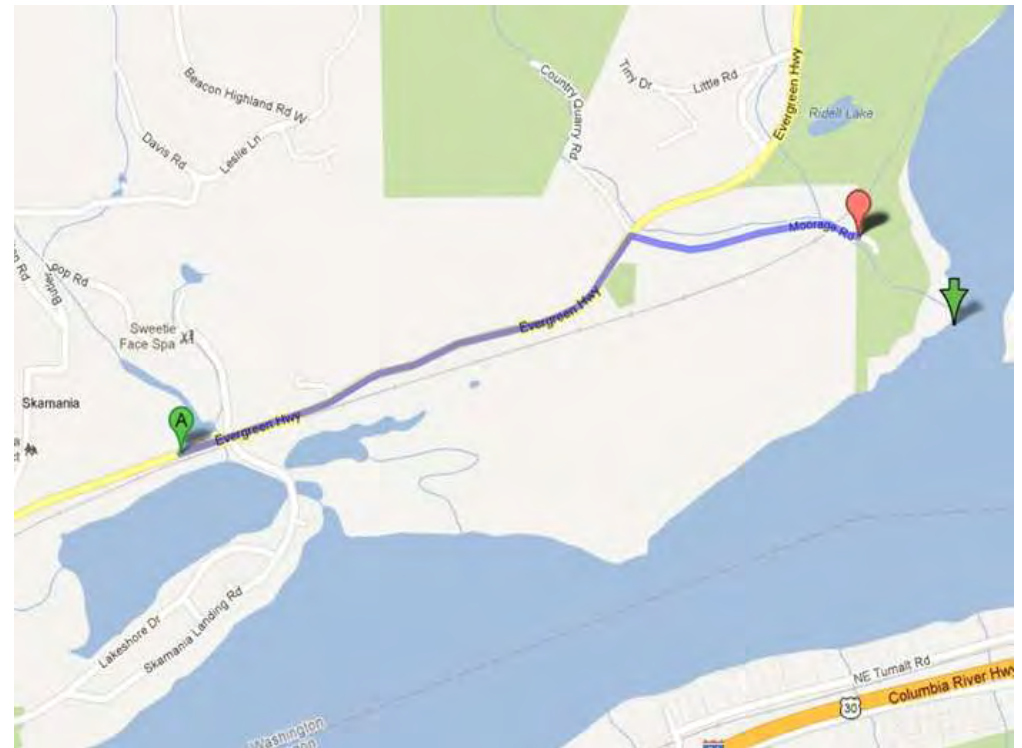
1500	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
2	Each	Anchor Post Driver(s)
4	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) (with Truck Operator and 200ft of hose)
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-44.3 Photo: Boat launch Beacon Rock St. Park.



SiteContact

No Information

NearestAddress

Moorage Road
Stevenson, WA 98648

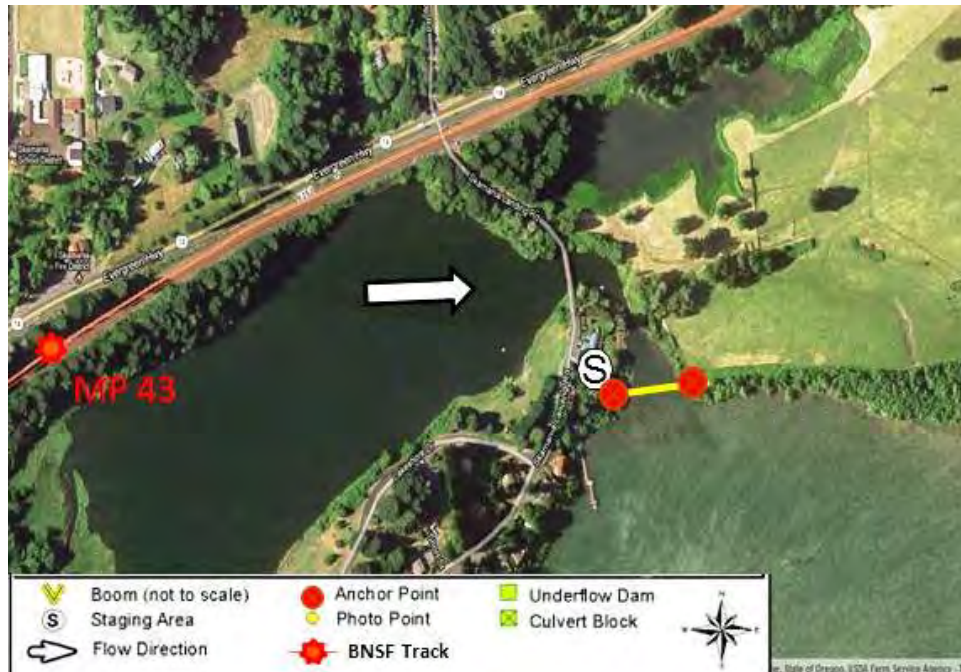
DrivingDirections

1. Head east on WA-14 E/Evergreen Hwy toward Butler Loop Rd
2. Mile Marker 34
3. Take the 2nd right onto Moorage Rd
4. Beacon Rock Boat Launch.
5. Call USFWS at 360-607-2698, 360-835-8767, or 360-887-4106; creek runs through Pierce National Wildlife Refuge.

RM 140.2 - North of McGowans Channel

FBS MP-43.3

Position - Location:	45.61493	-122.039694	Stevenson, WA (Skamania County)
StrategyObjectiveTxt:	Containment	Prevent downstream movemnt of oil into Columbia River	
Implementation:	Anchor boom at shore near 45.614932,-122.039694, tow boom with FRV or Skiff upstreamto a point N.E. of shore anchor, anchor to opposite shore . Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	BRIDGE LIMIT 14 TONS (bridge to site & boat launch); slip, trip, & fall hazards; water hazards; active railway hazard.		
FieldNotes:	Call BNSF, Call USACE. Boat Launch ~1000ft NE of Staging Area on Moorage Rd. Boat access states “Skamania Landing Owners Association Only” - Need permission. Can deploy boom by hand using lines if needed.		
Watercourse:	River - River Below a Dam - Lower Columbia River - (Waters below the Bonneville Dam)		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

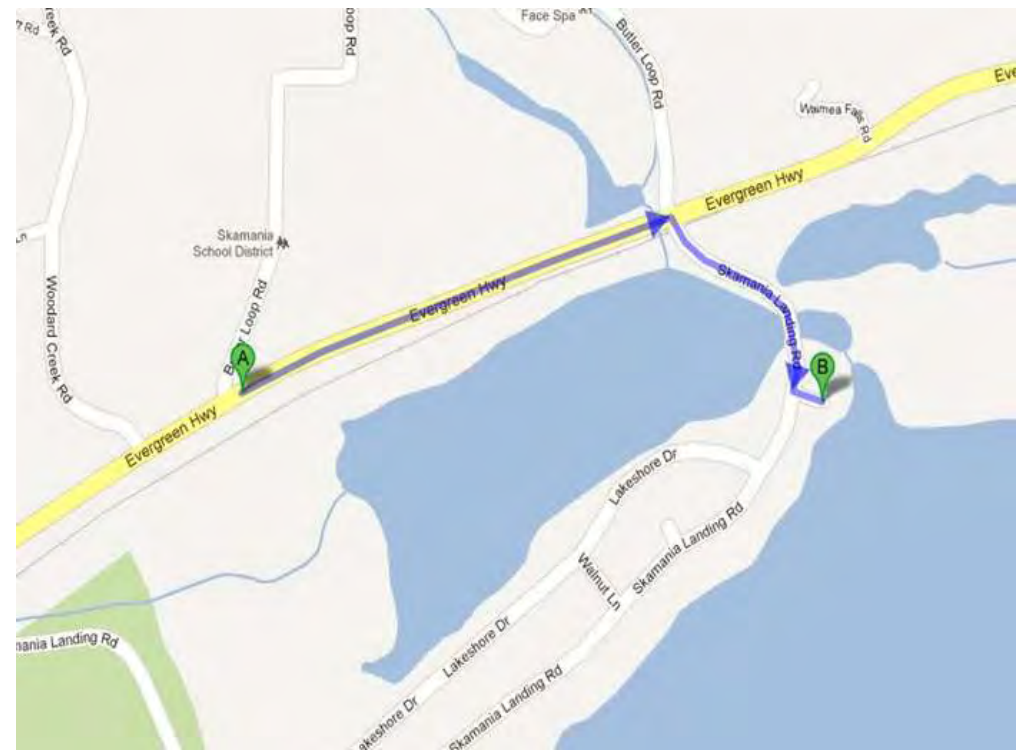
200	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
2	Each	Anchor Post Driver(s)
4	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) (with Truck Operator)
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-43.3 Photo: Controlled spillway.

**SiteContact**

Skamania Landing Owners Association
Phone: TBD

NearestAddress

868-884 Skamania Landing Road
Stevenson, WA 98648

DrivingDirections

1. Head northeast on WA-14 E/Evergreen Hwy toward Butler Loop Rd.
2. Access from Hwy 14 is just east of Hwy MP 33.
3. Take the 1st right onto Skamania Landing Rd; Destination will be on the ft



*Note: secure spill way if possible

RM 137.2 - Franz Lake

FBS MP-41.0

Position - Location:	45.60352	-122.084135	Stevenson, WA (Skamania County)
StrategyObjectiveTxt:	Containment		Prevent downstream movemnt of oil into Columbia River
Implementation:	Anchor boom at shore near 45.603522,-122.084135, anchor to opposite shore using shore anchor system to block discharge stream of Franz Lake . Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. Boom will be hand carried to containment point. Skiff can be deployed in lake to assist with collection and boom deployment. Hand carry small skiff from the view point, across tracks and place in Franz Lake (approximately 100’ from road. Water levels may affect access; lake is shallow. Underflow dam may be installed using sand bags and piping.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Call USACE. Call USFWS (Franz Lake Wildlife Refuge) at 360-607-2698, 360-835-8767, or 360-887-4106.		
Watercourse:	River - River Below a Dam - Lower Columbia River - (Waters below the Bonneville Dam)		
Resources_atRisk:	Downstream habitat, fresh water wildlife.		



Recommended Equipment

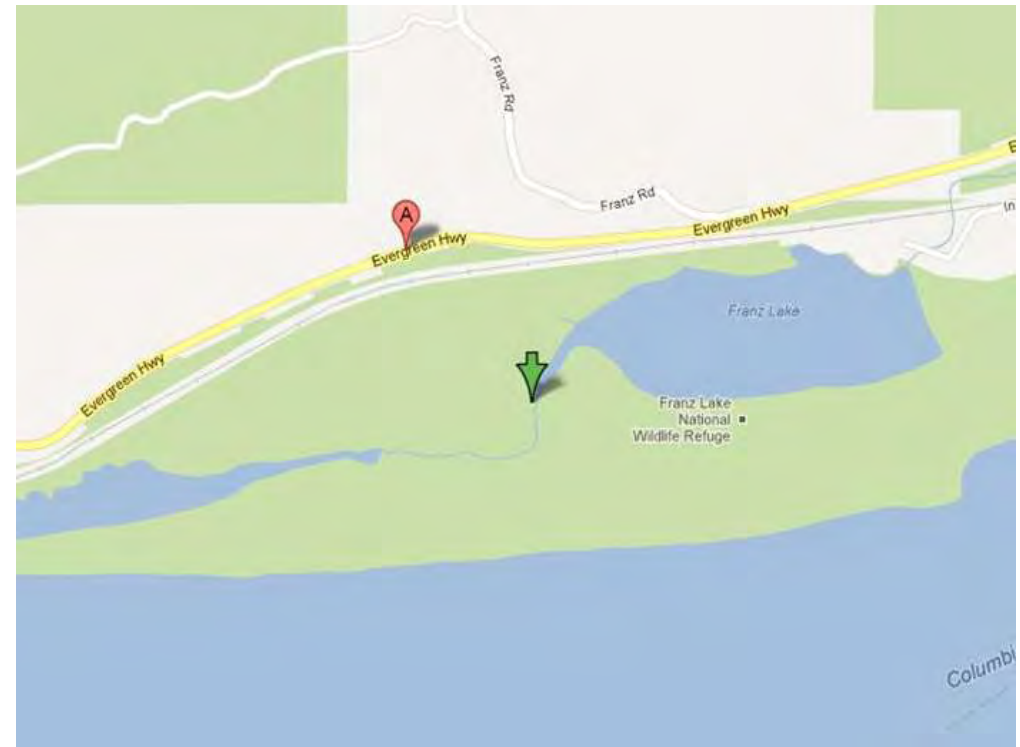
100	Feet	River Boom (or other appropriate type)
2	Each	Anchor Post Driver(s)
2	Each	Anchor Post(s)
2	Each	Skiff(s)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)



FBS-41.0 Photo: Discharge stream from Franz Lake.



SiteContact

U.S. Fish & Wildlife Service
28908 NW Main Avenue
Ridgefield, WA 98642
Phone: 360-887-4106
Refuge Manager Cell: 360-607-2698

NearestAddress

Evergreen Hwy
Stevenson, WA 98648

DrivingDirections

1. Head northeast on WA-14 E/Evergreen Hwy toward Franz Lake.
2. Overland or river access to discharge stream Franz Lake.
3. Park at View Point.
4. Area is Franz Lake National Wildlife Refuge (Call USFWS: 360-607-2698, 360-835-8767, or 360-887-4106)

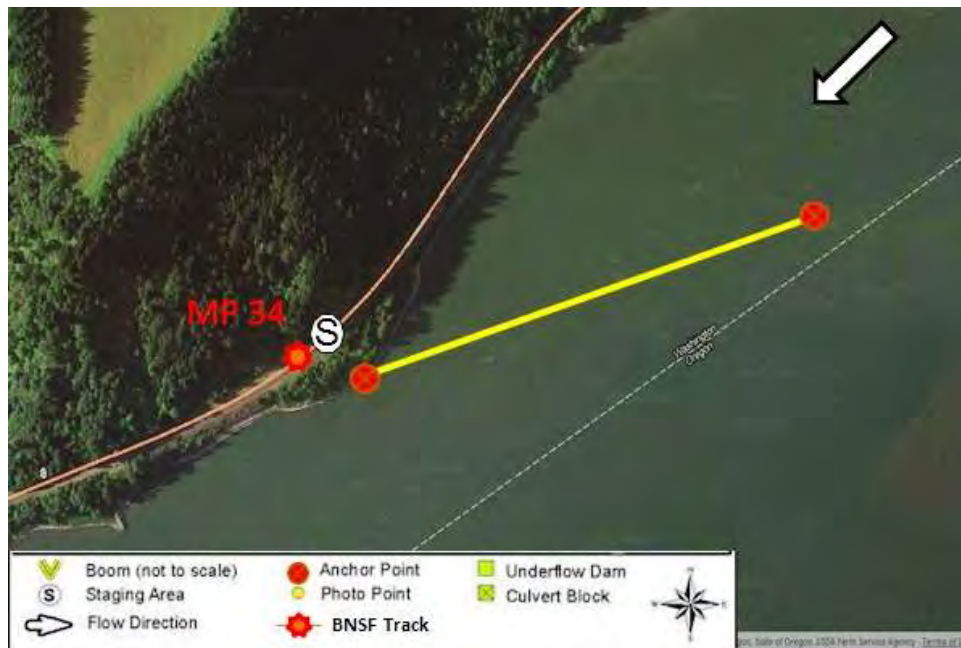


*Note: Boom will have to be hand carried to containment point. Skiff can be deployed into lake to assist with collection and boom deployment. Water levels may affect access. Possible underflow dam may be installed using sand bags and piping.

RM 131.0 - Vicinity of Cape Horn North of Sand Island

FBS MP-34.0

Position - Location:	45.56300	-122.210743	Washougal, WA (Skamania County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.563003,-122.210743, tow boom with FRV upstreamto a point N.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	Off-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Boat Launches; 10miles W. of staging area Port of Camas Washougal. NO SHORESIDE ACCESS FOR RECOVERY, WATER ONLY.		
Watercourse:	River - River Below a Dam - Lower Columbia River - (Waters below the Bonneville Dam)		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

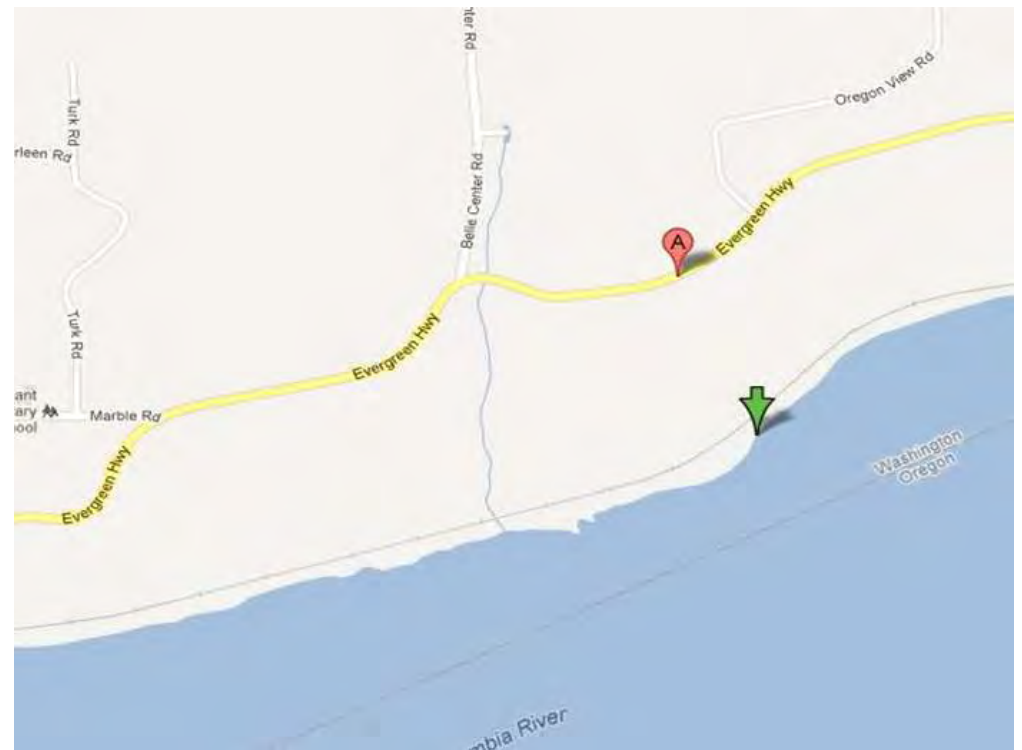
1000	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Anchor Post Driver(s)
1	Each	Anchor Post(s)
4	Each	Anchor systems (anchor, lines and floats)
1	Each	Skimming System and Portable Storage Capacity
1	Each	Towing bridle (sized for boom)

Recommended Personnel

1	Supervisor(s)
2	Laborer(s)
1	Boat Operator(s)



FBS-34.0 Photo: River bank West of Cape Horn tunnel



SiteContact

No Information

NearestAddress

23412-23614 Evergreen Hwy
Washougal, WA 98671

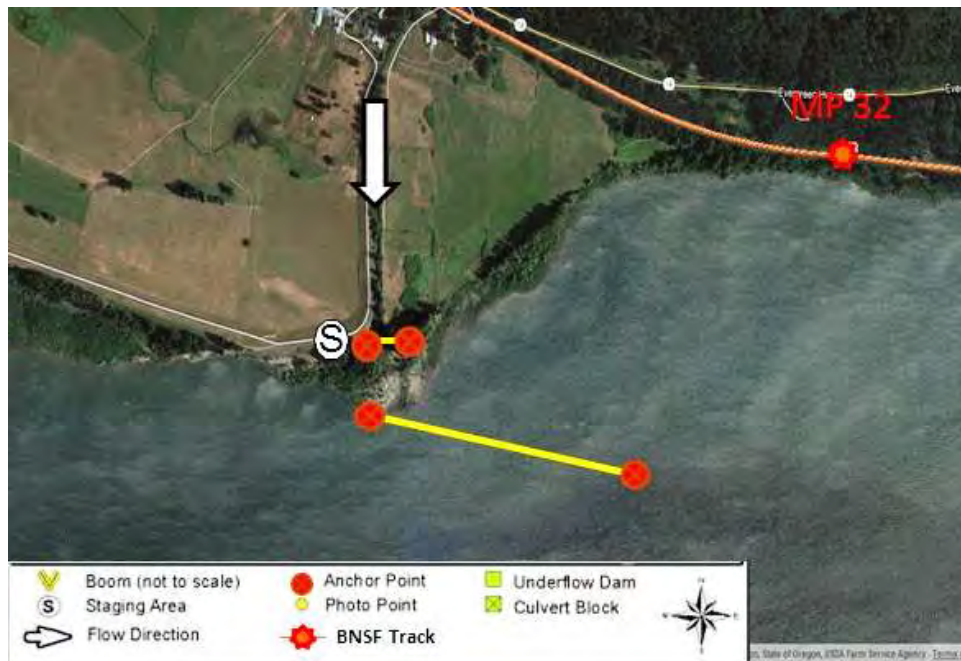
DrivingDirections

(Need Directions to Staging or Boat Launch Location)

RM 128.0 - Lawton Creek at Columbia River

FBS MP-31.4

Position - Location:	45.55510	-122.267233	Washougal, WA (Clark County)
StrategyObjectiveTxt:	Collection	Collect oil moving downstream from upstream source	
Implementation:	Anchor boom at shore near 45.555097,-122.267233, tow boom with FRV upstreamto a point N.E. of shore anchor. Use additional anchor systems as needed to keep boom secure in river. Use shore anchor systems and 100 ft of boom across unkown stream. Use existing structures, anchor posts, or trees to secure boom to river bank. *Use amount of boom appropriate for site given current conditions, angle as appropriate and needed.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF, Boat Launches; 7 miles W. of staging area Port of Camas Washougal, 24 South A Street, Washougal, WA 98671.☐		
Watercourse:	River - River Below a Dam - Lower Columbia River - (Waters below the Bonneville Dam)		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

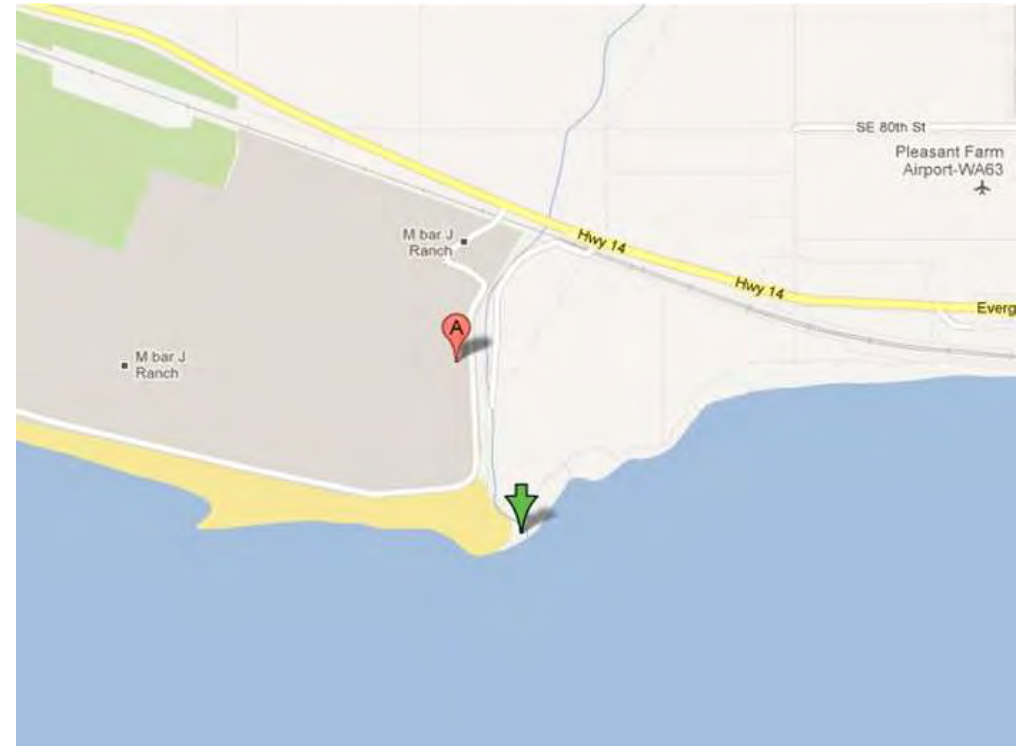
1100	Feet	River Boom (or other appropriate type)
1	Each	Workboat (FRV)
1	Each	Anchor Post Driver(s)
4	Each	Anchor Post(s)
8	Each	Anchor systems (anchor, lines and floats)
1	Each	Towing bridle (sized for boom)
1	Each	Vac Truck(s) (with Truck Operator)
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
3	Laborer(s)
1	Boat Operator(s)



FBS-31.4 Photo: Mouth of unknown creek off of M bar J ranch



SiteContact

M Bar J Ranch
Phone: TBD

NearestAddress

39315 SE Evergreen Hwy
Washougal, WA 98671

DrivingDirections

1. Head southeast on WA-14 E
 2. Turn right off Hwy 14 just west of Hwy MP 21 into M Bar J Ranch.
- Restricted usage road; permission from M Bar J Ranch needed to access, contact BNSF Claims.

Note: Access to strategy FBS-29.75 also possible through M Bar J Ranch.

RM 126.3 - Gibbons Creek at Columbia River

FBS MP-29.7

Position - Location:	45.55904	-122.301344	Washougal, WA (Clark County)
StrategyObjectiveTxt:	Containment		Prevent oil in creek from entering Columbia River
Implementation:	Anchor boom at shore near 45.559042, -122.301344, and opposite side E. across mouth of Gibbons Creek. Use additional anchor systems as needed to keep boom secure in river. Use existing structures, anchor posts, or trees to secure boom to river bank.		
StagingAreaTxt:	On-Site		
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF. Call USACE. Call USFWS (Steigerwald Lake National Wildlife Refuge) at 360-607-2698, 360-835-8767, or 360-887-4106.		
Watercourse:	River - River Below a Dam - Lower Columbia River - (Waters below the Bonneville Dam)		
Resources_atRisk:	Downstream habitat, fresh water wildlife.		



Recommended Equipment

100	Feet	River Boom (or other appropriate type)
2	Each	Anchor Post Driver(s)
2	Each	Anchor Post(s)
1	Each	Vac Truck(s) (with Truck Operator)
1	Each	Nearshore skimming system (with storage)

Recommended Personnel

1	Supervisor(s)
2	Laborer(s)



FBS-29.75 Photo: Mouth of Gibbons creek, Columbia river

**SiteContact**

U.S. Fish & Wildlife Service
28908 NW Main Avenue
Ridgefield, WA 98642
Phone: 360-887-4106
Refuge Manager Cell: 360-607-2698

NearestAddress

Lewis and Clark Hwy
Washougal, WA 98671

DrivingDirections

1. Head east on WA-14 E toward 32nd Street
2. Take the 1st right onto S 32nd Street
3. Turn left onto Index Street
4. Turn right Unknown road continue east 2 miles (access off Index Street before railroad crossing)
5. Locked Gate, access through Port of Camas (reference as Gate 5)
6. Road is on the dike
7. Additional access is available via the M Bar J Ranch then along the dike (see directions in FBS MP-31.4)
8. Area is Steigerwald Lake National Wildlife Refuge (Call USFWS: 360-607-2698, 360-835-8767, or 360-887-4106),

Gibbons Creek at Hwy 14

FBS MP-28.8

Position - Location:	45.57111	-122.315856	Washougal, WA (Clark County)
StrategyObjectiveTxt:	Containment		Prevent downstream movement of oil into Columbia River
Implementation:	Anchor boom along creek bank near 45.571112,-122.315856, and opposite side E of Gibbons Creek. Use additional anchor systems as needed to keep boom secure in creek. Use existing structures, anchor posts, or trees to secure boom to creek bank.		
StagingAreaTxt:	On-Site	Good access & upstream collection point on creek.	
SiteSafety:	Slippery banks when wet or icy; trip & fall hazards; water hazards; active railway hazards.		
FieldNotes:	Call BNSF. Call USACE. East side of bridge will allow access into Steigerwald Lake National Wildlife Refuge, heading towards river; coordinate access with USFWS (Ridgefield National Wildlife Refuge Complex) at 360-887-4106.		
Watercourse:	River - River Below a Dam - Lower Columbia River - (Waters below the Bonneville Dam)		
Resources_atRisk:	Downstream habitat, fresh water wildlife. Sensitive resouces nearby.		



Recommended Equipment

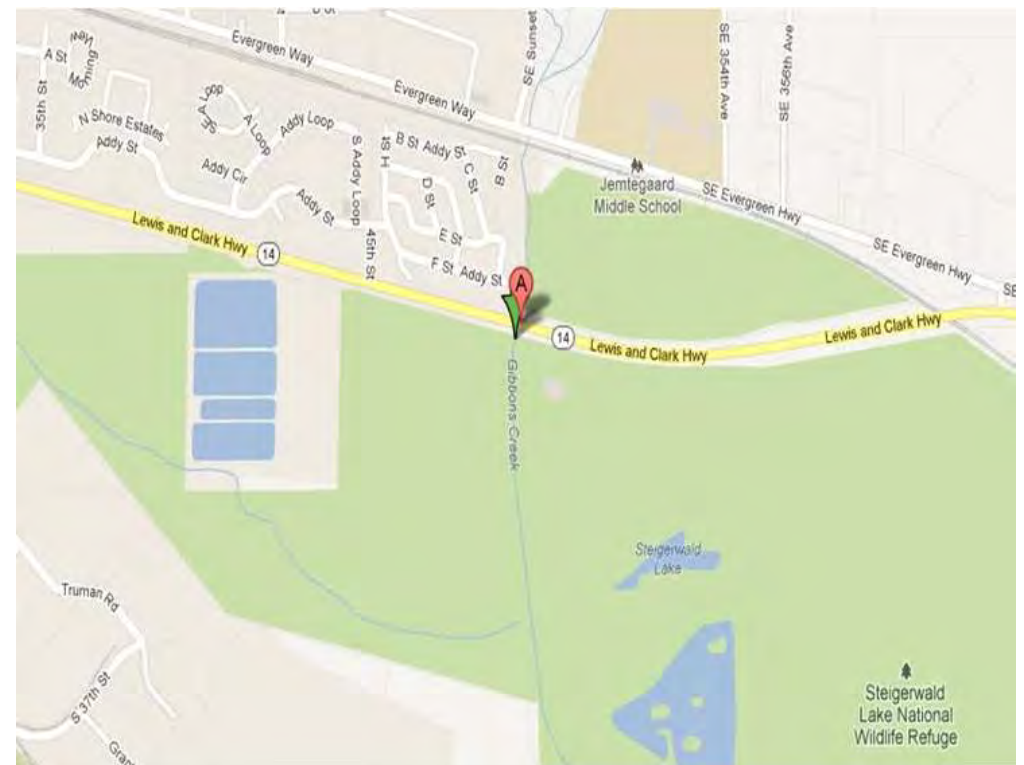
100	Feet	River Boom (or other appropriate type)
1	Each	Anchor Post Driver(s)
2	Each	Anchor Post(s)
1	Each	Vac Truck(s) (with Truck Operator)
1	Each	Nearshore skimming system (with storage)
1	Each	Plywood sheets (4ft x 8ft)
2	Each	Heaving Line(s)

Recommended Personnel

1	Supervisor(s)
2	Laborer(s)



FBS-28.75 Photo: Gibbons creek @ HWY 14 E



SiteContact

No Information

NearestAddress

Lewis and Clark Hwy
Washougal, WA 98671

DrivingDirections

1. Head southeast on WA-14 E to Gibbons Creek; approximate Hwy MP 18.1
2. Access off Index Street before railroad crossing.