

# **MIDDLE COLUMBIA RIVER – MCNARY POOL**

## **Geographic Response Plan**

**(MCRM-GRP)**

### **Response Strategies and Priorities**

**July 2025**

## **Before you print this document**

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

## INTRODUCTION

This section provides information on GRP response strategies and the order they should be implemented, based on Potential Oil Spill Origin Points (POSOPs) and the proximity and relative priority of sensitive resources near those point locations. Area maps, sector maps, and information on staging areas and boat launch locations are also provided in this section. During a spill incident, GRP response strategies should be implemented as soon as possible. Unless circumstances unique to a particular spill situation dictate otherwise, the priority tables in Strategy and Response Priorities should be used to decide the order that GRP strategies are deployed. The downstream movement of oil and the time it takes to mobilize response resources to deploy GRP strategies must always be considered when setting implementation priorities. Information on resources at risk, sensitive areas, and flight restrictions can be found in the Resources at Risk section. Information on shoreline countermeasures can be found in the Northwest Area Shoreline Countermeasures Manual ([NWACP Section 9420](#)). The Northwest Area Contingency Plan (NWACP) is available online at <https://www.rrt10nwac.com/LinkPage?site=nwac&page=plans>.

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

### On-site Considerations

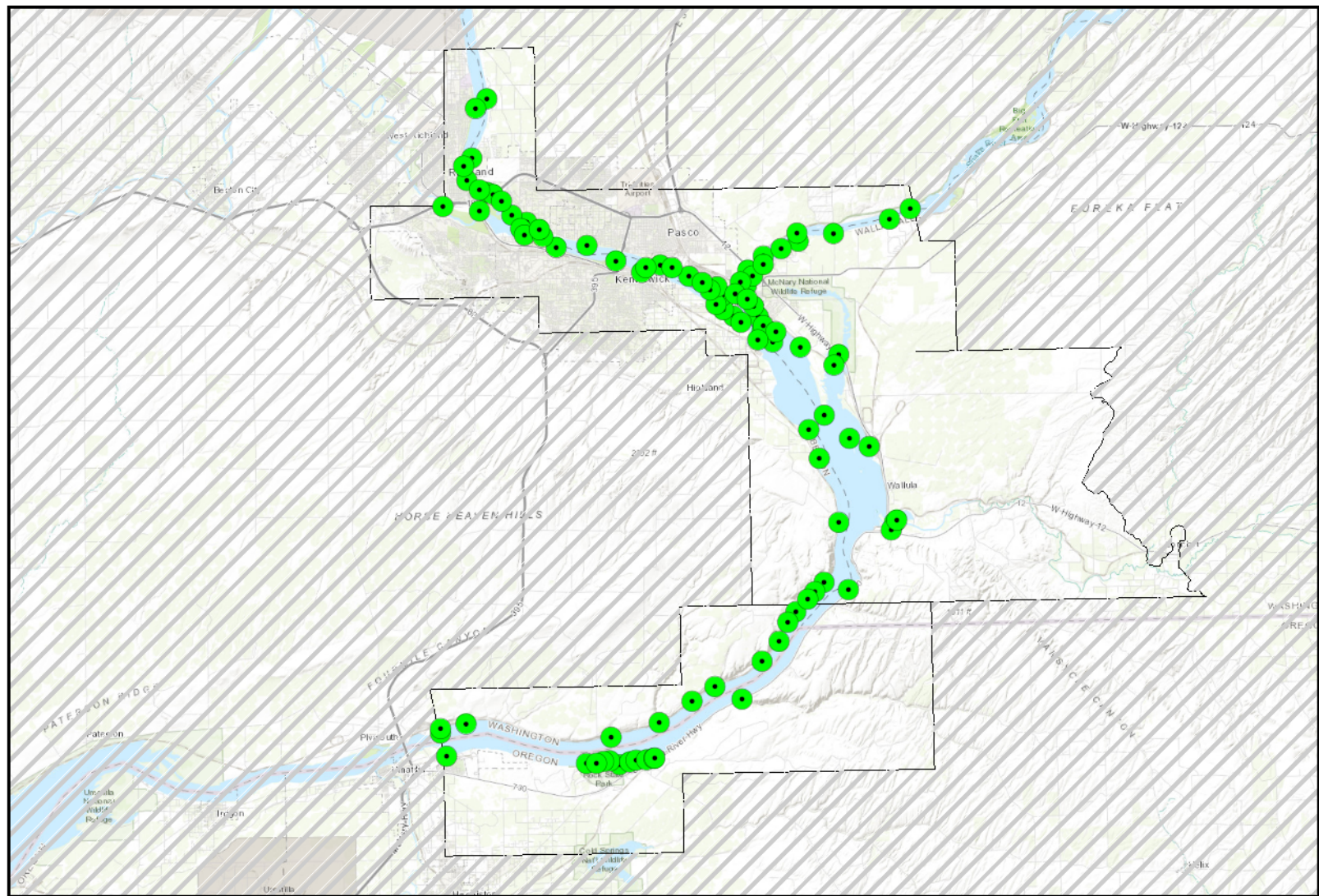
#### *Before Deploying a GRP Strategy*

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

## **AREA OVERVIEW MAPS**

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





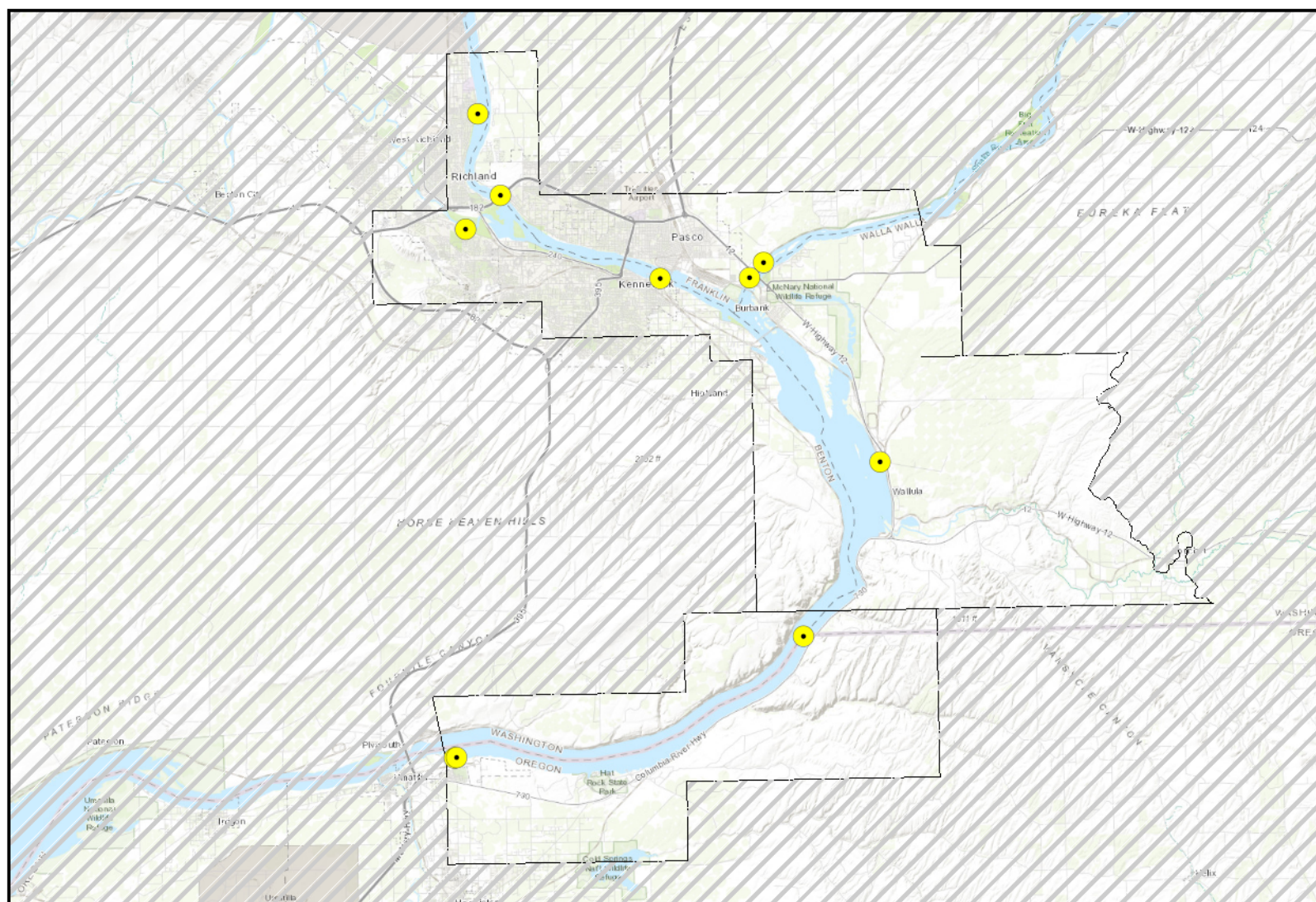
● Response Strategy Locations

0 1.5 3 6  
Miles

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





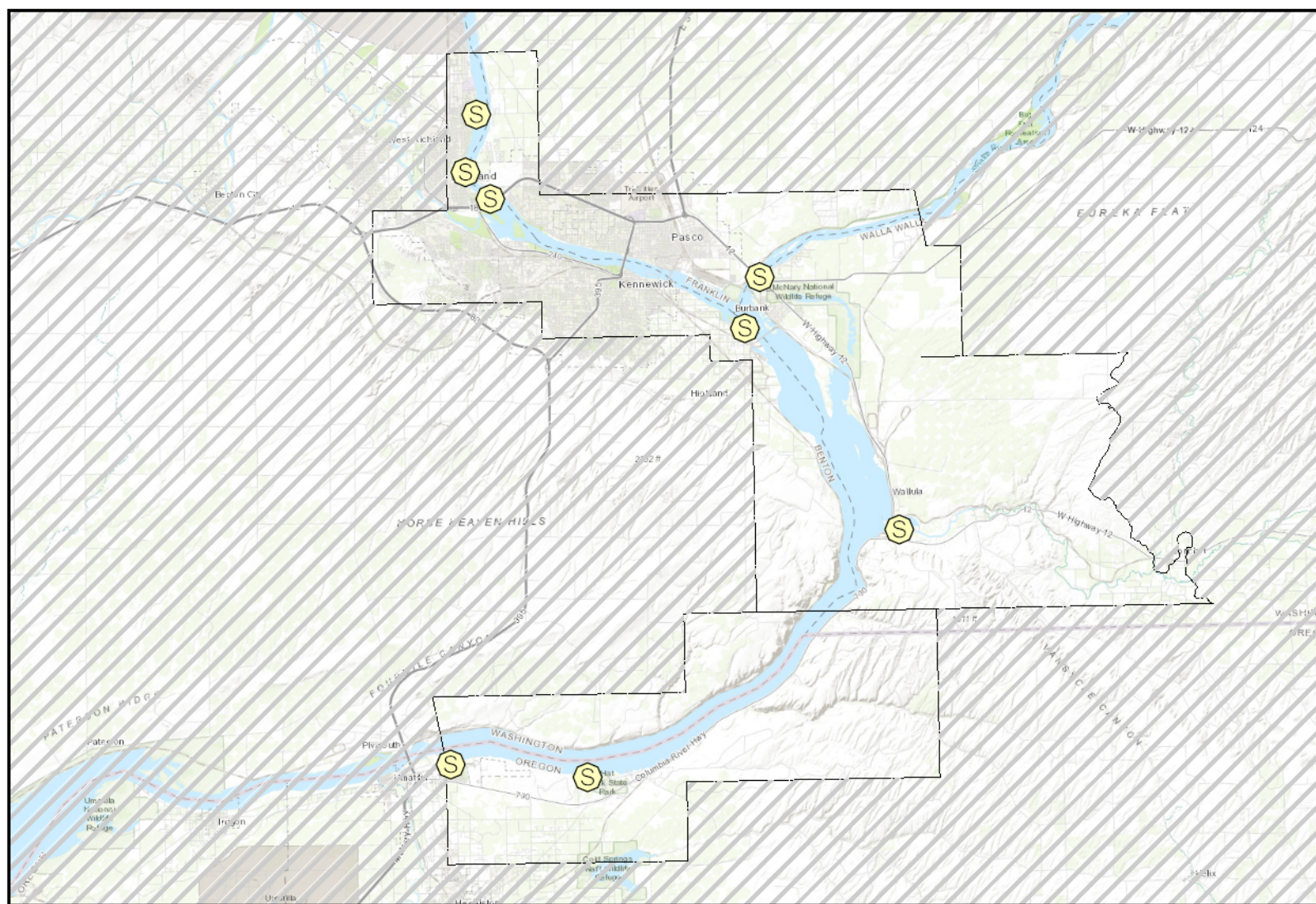


● Notification Strategy Locations

0 1.5 3 6  
Miles

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



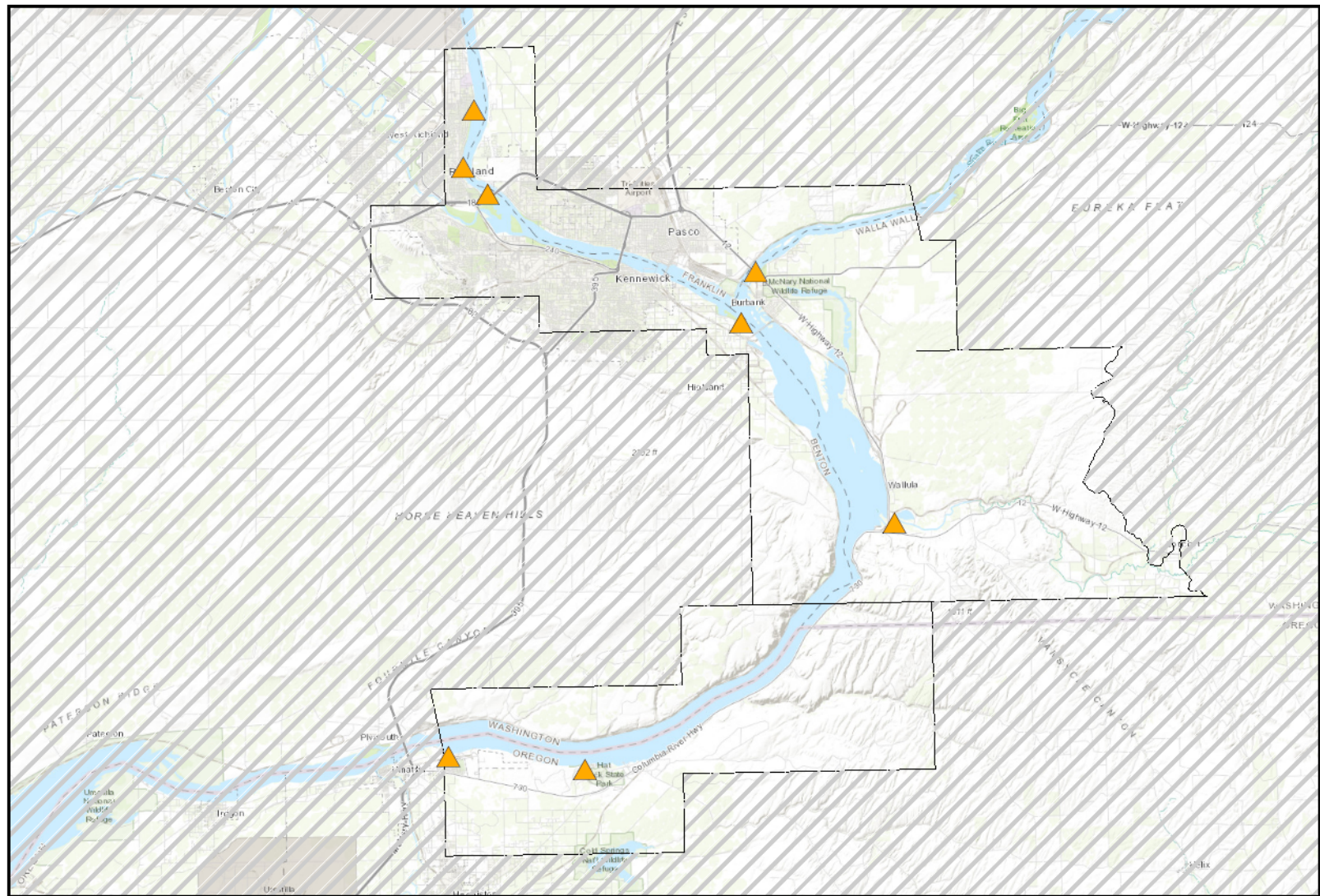


 Staging Area Locations

0 1.5 3 6  
Miles

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





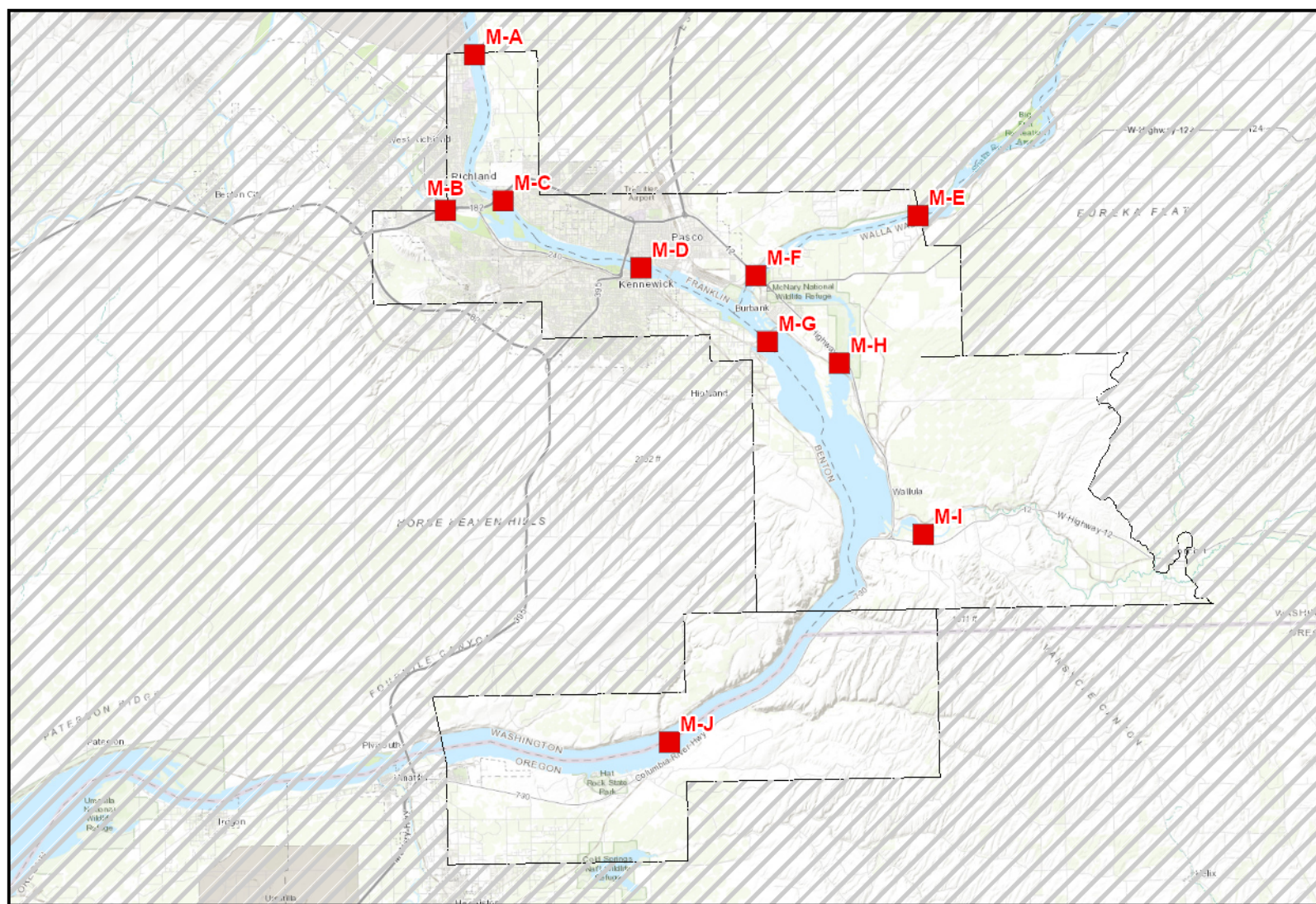
▲ Boat Launch Locations

0 1.5 3 6  
Miles



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





■ Potential Oil Spill Locations

0 1.5 3 6  
Miles



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

## STRATEGY AND RESPONSE PRIORITIES

### Strategy Priorities based on Potential Oil Spill Origin Points

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

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

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

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

**Table 1: M-A (Hanford Reach ~M-343.0)**

| <b>M-A (Hanford Reach ~M-343.0)</b> |                        |                   |                           |                                  |
|-------------------------------------|------------------------|-------------------|---------------------------|----------------------------------|
| <b>Implementation Priority</b>      | <b>Strategy Number</b> | <b>Sector Map</b> | <b>Boom Length (Feet)</b> | <b>Strategy Details (Page #)</b> |
| 1                                   | <b>M-337.3R</b>        | MCRM-06           | 800                       | 4-                               |
| 2                                   | <b>M-337.8R</b>        | MCRM-06           | 800                       | 4-                               |
| 3                                   | <b>M-338.2L</b>        | MCRM-06           | 700                       | 4-                               |
| 4                                   | <b>M-340.3R</b>        | MCRM-06           | 800                       | 4-                               |
| 5                                   | <b>M-340.7L</b>        | MCRM-06           | 700                       | 4-                               |

Total Boom: 3,800 ft.

**Table 2: M-B (I-182 Bridge Crossing Over Yakima River ~YAK-4.3)**

| <b>M-B (I-182 Bridge Crossing Over Yakima River ~YAK-4.3)</b> |                        |                   |                           |                                  |
|---------------------------------------------------------------|------------------------|-------------------|---------------------------|----------------------------------|
| <b>Implementation Priority</b>                                | <b>Strategy Number</b> | <b>Sector Map</b> | <b>Boom Length (Feet)</b> | <b>Strategy Details (Page #)</b> |
| 1                                                             | <b>M-334.0R</b>        | MCRM-06           | 900                       | 4-                               |
| 2                                                             | <b>M-334.3M</b>        | MCRM-06           | 400                       | 4-                               |
| 3                                                             | <b>M-334.5L</b>        | MCRM-06           | 800                       | 4-                               |
| 4                                                             | <b>M-335.0M</b>        | MCRM-06           | 900                       | 4-                               |
| 5                                                             | <b>YAK-2.1L</b>        | MCRM-06           | 800                       | 4-                               |
| 6                                                             | <b>YAK-4.2L</b>        | MCRM-06           | 700                       | 4-                               |

Total Boom: 4,500 ft.



**Table 3: M-C (US-12/I-82 Bridges ~M-336.1)**

| <b>M-B (US-12/I-82 Bridges ~M-336.1)</b> |                        |                   |                           |                                  |
|------------------------------------------|------------------------|-------------------|---------------------------|----------------------------------|
| <b>Implementation Priority</b>           | <b>Strategy Number</b> | <b>Sector Map</b> | <b>Boom Length (Feet)</b> | <b>Strategy Details (Page #)</b> |
| 1                                        | <b>M-332.8R</b>        | MCRM-05           | 800                       | 4-                               |
| 2                                        | <b>M-333.8L</b>        | MCRM-05           | 600                       | 4-                               |
| 3                                        | <b>M-334.0R</b>        | MCRM-06           | 900                       | 4-                               |
| 4                                        | <b>M-334.3M</b>        | MCRM-06           | 400                       | 4-                               |
| 5                                        | <b>M-334.5L</b>        | MCRM-06           | 800                       | 4-                               |
| 6                                        | <b>M-335.0M</b>        | MCRM-06           | 900                       | 4-                               |
| 7                                        | <b>M-335.8R</b>        | MCRM-06           | 800                       | 4-                               |
| 8                                        | <b>M-336.1R</b>        | MCRM-06           | 800                       | 4-                               |

Total Boom: 6,000 ft.

**Table 4: M-D (US-395, WA-397, and Railroad Bridges between Kennewick and Pasco ~M-328.0)**

| <b>M-D (US-395, WA-397, and Railroad Bridges ~M-328.0)</b> |                        |                   |                           |                                  |
|------------------------------------------------------------|------------------------|-------------------|---------------------------|----------------------------------|
| <b>Implementation Priority</b>                             | <b>Strategy Number</b> | <b>Sector Map</b> | <b>Boom Length (Feet)</b> | <b>Strategy Details (Page #)</b> |
| 1                                                          | <b>M-325.8L</b>        | MCRM-05           | 700                       | 4-                               |
| 2                                                          | <b>M-326.1M</b>        | MCRM-05           | 1000                      | 4-                               |
| 3                                                          | <b>M-326.5L</b>        | MCRM-06           | 800                       | 4-                               |
| 4                                                          | <b>M-327.1L</b>        | MCRM-06           | 800                       | 4-                               |
| 5                                                          | <b>M-328.0L</b>        | MCRM-06           | 300                       | 4-                               |
| 6                                                          | <b>M-328.4L</b>        | MCRM-06           | 900                       | 4-                               |

Total Boom: 4,500 ft.

**Table 5: M-E (USACE Ice Harbor Lock and Dam on Snake River ~MSN-9.6)**

| <b>M-E (USACE Ice Harbor Dam ~MSN-9.6)</b> |                        |                   |                           |                                  |
|--------------------------------------------|------------------------|-------------------|---------------------------|----------------------------------|
| <b>Implementation Priority</b>             | <b>Strategy Number</b> | <b>Sector Map</b> | <b>Boom Length (Feet)</b> | <b>Strategy Details (Page #)</b> |
| 1                                          | MSN-2.1L               | MCRM-04           | 1000                      | 4-                               |
| 2                                          | MSN-2.8L               | MCRM-04           | 900                       | 4-                               |
| 3                                          | MSN-2.9R               | MCRM-04           | 600                       | 4-                               |
| 4                                          | MSN-4.0M               | MCRM-04           | 1300                      | 4-                               |
| 5                                          | MSN-4.5L               | MCRM-04           | 200                       | 4-                               |
| 6                                          | MSN-4.6R               | MCRM-04           | 1000                      | 4-                               |
| 7                                          | MSN-6.1L               | MCRM-04           | 1200                      | 4-                               |
| 8                                          | MSN-8.4L               | MCRM-04           | 700                       | 4-                               |

Total Boom: 6,900 ft.

**Table 6: M-F (Tidewater and Tesoro Facilities plus US-12 and Railroad Bridge ~MSN-2.3)**

| <b>M-F (Tidewater and Tesoro Facilities ~MSN-2.3)</b> |                        |                   |                           |                                  |
|-------------------------------------------------------|------------------------|-------------------|---------------------------|----------------------------------|
| <b>Implementation Priority</b>                        | <b>Strategy Number</b> | <b>Sector Map</b> | <b>Boom Length (Feet)</b> | <b>Strategy Details (Page #)</b> |
| 1                                                     | <b>M-324.3M</b>        | MCRM-04           | 600                       | 4-                               |
| 2                                                     | <b>MSN-0.8M</b>        | MCRM-04           | 800                       | 4-                               |
| 3                                                     | <b>MSN-1.0R</b>        | MCRM-04           | 900                       | 4-                               |
| 4                                                     | <b>MSN-1.5L</b>        | MCRM-04           | 400                       | 4-                               |
| 5                                                     | <b>MSN-1.5R</b>        | MCRM-04           | 900                       | 4-                               |
| 6                                                     | <b>MSN-2.0R</b>        | MCRM-04           | 900                       | 4-                               |
| 7                                                     | <b>MSN-2.1L</b>        | MCRM-04           | 1000                      | 4-                               |

Total Boom: 5,500 ft.



**Table 7: M-G (Railroad Bridge at Burbank/Finley ~M-323.4)**

| <b>M-G (Railroad Bridge at Burbank/Finley ~M-323.4)</b> |                        |                   |                           |                                  |
|---------------------------------------------------------|------------------------|-------------------|---------------------------|----------------------------------|
| <b>Implementation Priority</b>                          | <b>Strategy Number</b> | <b>Sector Map</b> | <b>Boom Length (Feet)</b> | <b>Strategy Details (Page #)</b> |
| 1                                                       | <b>M-318.3R</b>        | MCRM-03           | 900                       | 4-                               |
| 2                                                       | <b>M-319.2M</b>        | MCRM-03           | 500                       | 4-                               |
| 3                                                       | <b>M-321.9L</b>        | MCRM-04           | 900                       | 4-                               |
| 4                                                       | <b>M-322.6M</b>        | MCRM-04           | 500                       | 4-                               |
| 5                                                       | <b>M-323.1M</b>        | MCRM-04           | 400                       | 4-                               |
| 6                                                       | <b>M-323.2R</b>        | MCRM-04           | 900                       | 4-                               |
| 7                                                       | <b>M-323.4M</b>        | MCRM-04           | 700                       | 4-                               |

Total Boom: 4,800 ft.

**Table 8: M-H (McNary National Wildlife Refuge ~M-320.7)**

| <b>M-H (McNary National Wildlife Refuge ~M-320.7)</b> |                        |                   |                           |                                  |
|-------------------------------------------------------|------------------------|-------------------|---------------------------|----------------------------------|
| <b>Implementation Priority</b>                        | <b>Strategy Number</b> | <b>Sector Map</b> | <b>Boom Length (Feet)</b> | <b>Strategy Details (Page #)</b> |
| 1                                                     | <b>M-317.0L</b>        | MCRM-03           | 900                       | 4-                               |
| 2                                                     | <b>M-317.5R</b>        | MCRM-03           | 900                       | 4-                               |
| 3                                                     | <b>M-317.8M</b>        | MCRM-03           | 1000                      | 4-                               |
| 4                                                     | <b>M-318.3R</b>        | MCRM-03           | 900                       | 4-                               |
| 5                                                     | <b>M-319.2M</b>        | MCRM-03           | 500                       | 4-                               |
| 6                                                     | <b>M-320.6L</b>        | MCRM-03           | 200                       | 4-                               |
| 7                                                     | <b>M-320.7L</b>        | MCRM-03           | 100                       | 4-                               |

Total Boom: 4,500 ft.

**Table 9: M-I (Walla Walla River Confluence ~M-314.5)**

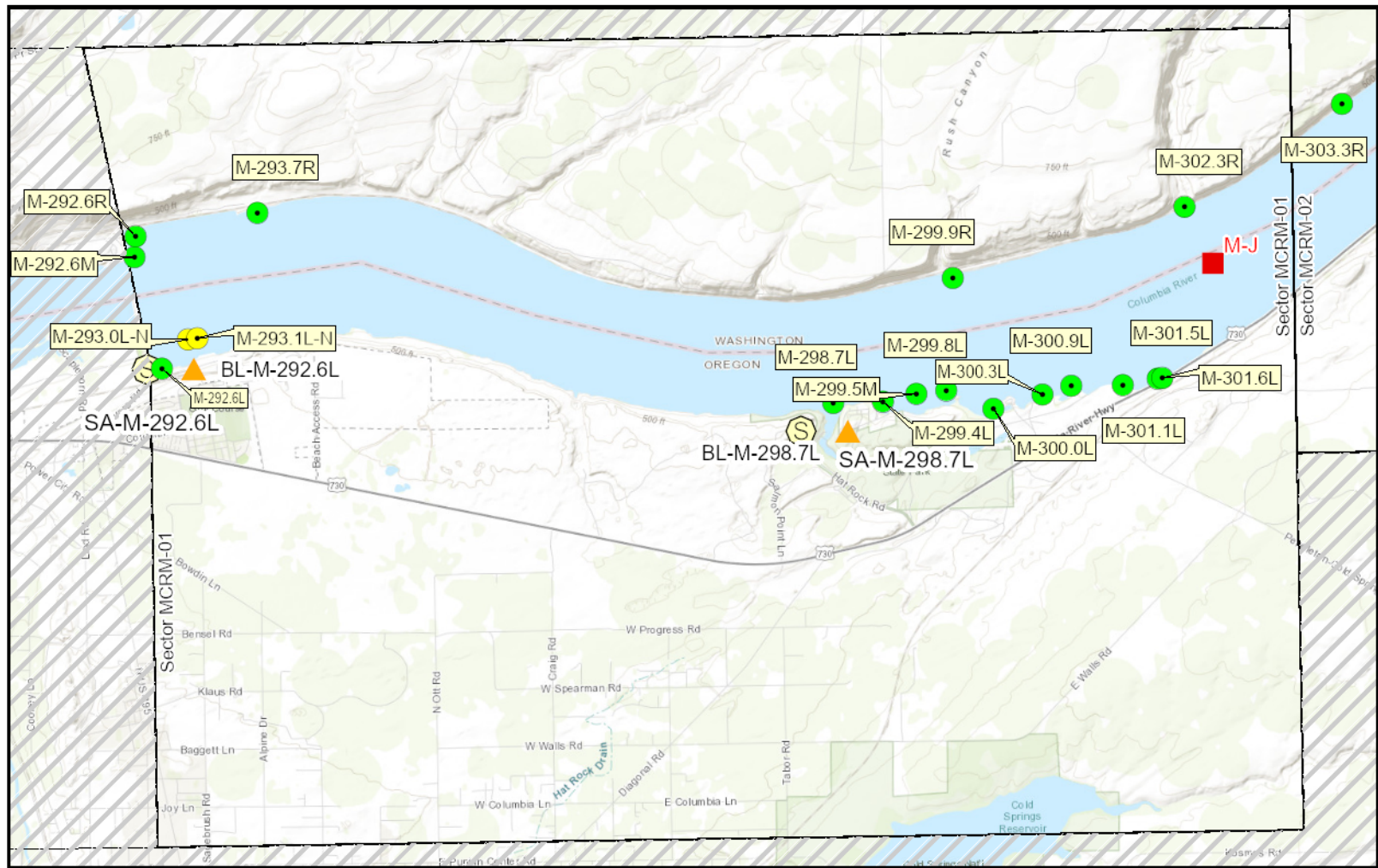
| <b>M-I (Walla Walla River Confluence ~M-314.5)</b> |                        |                   |                           |                                  |
|----------------------------------------------------|------------------------|-------------------|---------------------------|----------------------------------|
| <b>Implementation Priority</b>                     | <b>Strategy Number</b> | <b>Sector Map</b> | <b>Boom Length (Feet)</b> | <b>Strategy Details (Page #)</b> |
| 1                                                  | <b>M-311.4R</b>        | MCRM-03           | 100                       | 4-                               |
| 2                                                  | <b>M-311.9R</b>        | MCRM-03           | 100                       | 4-                               |
| 3                                                  | <b>M-312.0L</b>        | MCRM-03           | 1200                      | 4-                               |
| 4                                                  | <b>M-314.6R</b>        | MCRM-03           | 100                       | 4-                               |
| 5                                                  | <b>WWR-3.8L</b>        | MCRM-03           | 200                       | 4-                               |
| 6                                                  | <b>WWR-4.0R</b>        | MCRM-03           | 400                       | 4-                               |
| 7                                                  | <b>WWR-4.2R</b>        | MCRM-03           | 200                       | 4-                               |

Total Boom: 2,300 ft.

**Table 10: M-J (Switzler Canyon Area ~M-302.0)**

| <b>M-J (Switzler Canyon Area ~M-302.0)</b> |                        |                   |                           |                                  |
|--------------------------------------------|------------------------|-------------------|---------------------------|----------------------------------|
| <b>Implementation Priority</b>             | <b>Strategy Number</b> | <b>Sector Map</b> | <b>Boom Length (Feet)</b> | <b>Strategy Details (Page #)</b> |
| 1                                          | <b>M-299.8L</b>        | MCRM-01           | 800                       | 4-                               |
| 2                                          | <b>M-299.9R</b>        | MCRM-01           | 800                       | 4-                               |
| 3                                          | <b>M-300.0L</b>        | MCRM-01           | 800                       | 4-                               |
| 4                                          | <b>M-300.3L</b>        | MCRM-01           | 1000                      | 4-                               |
| 5                                          | <b>M-300.9L</b>        | MCRM-01           | 500                       | 4-                               |
| 6                                          | <b>M-301.1L</b>        | MCRM-01           | 1000                      | 4-                               |
| 7                                          | <b>M-301.5L</b>        | MCRM-01           | 700                       | 4-                               |
| 8                                          | <b>M-301.6L</b>        | MCRM-01           | 500                       | 4-                               |

Total Boom: 6,100 ft.



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

0 0.5 1 2 Miles

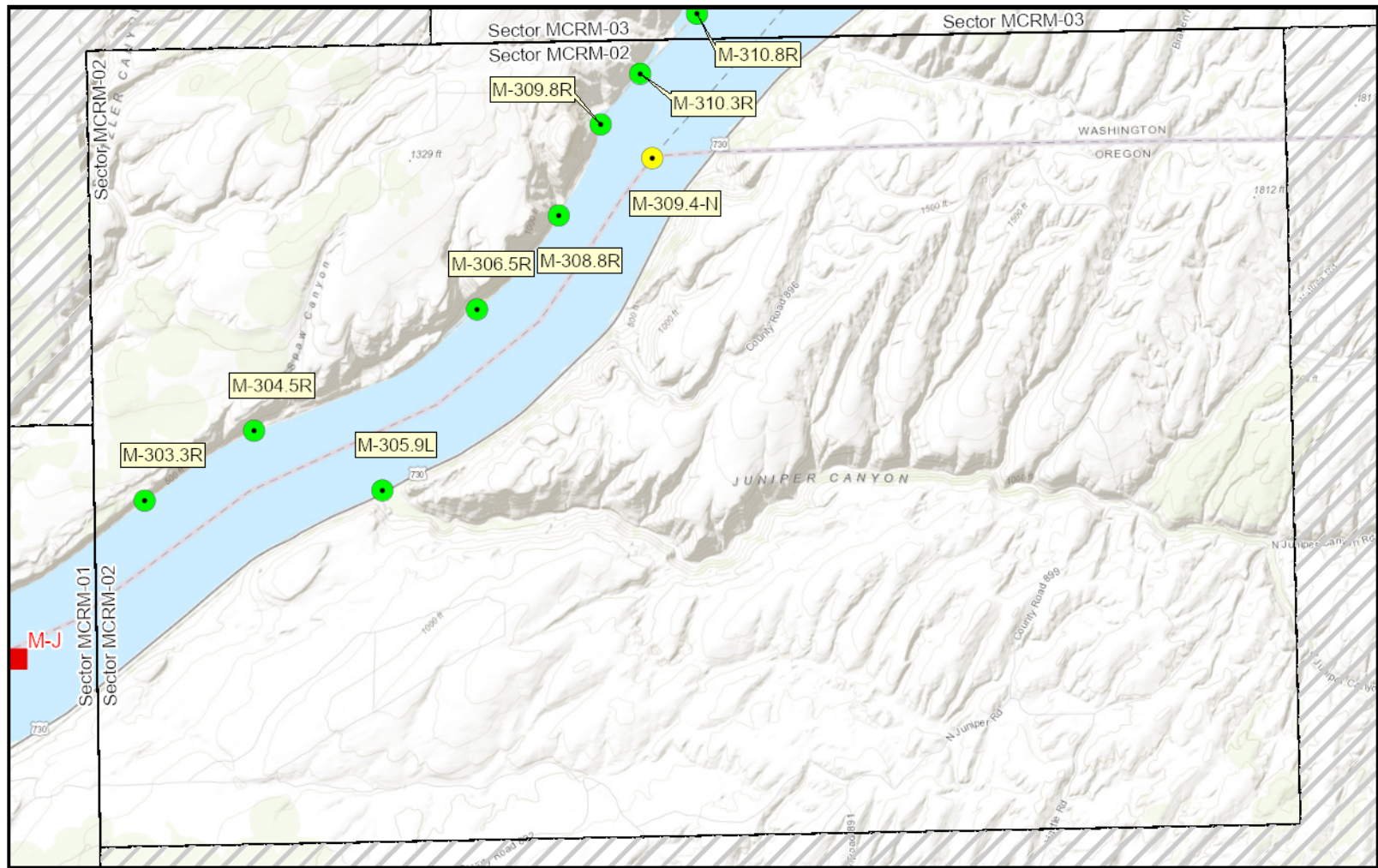


World Topographic Map: Bureau of Land Management, State of Oregon, State of Oregon DOT, State of Oregon GEO, Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA,

## Sector MCRM-01

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





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

0 0.5 1 2 Miles



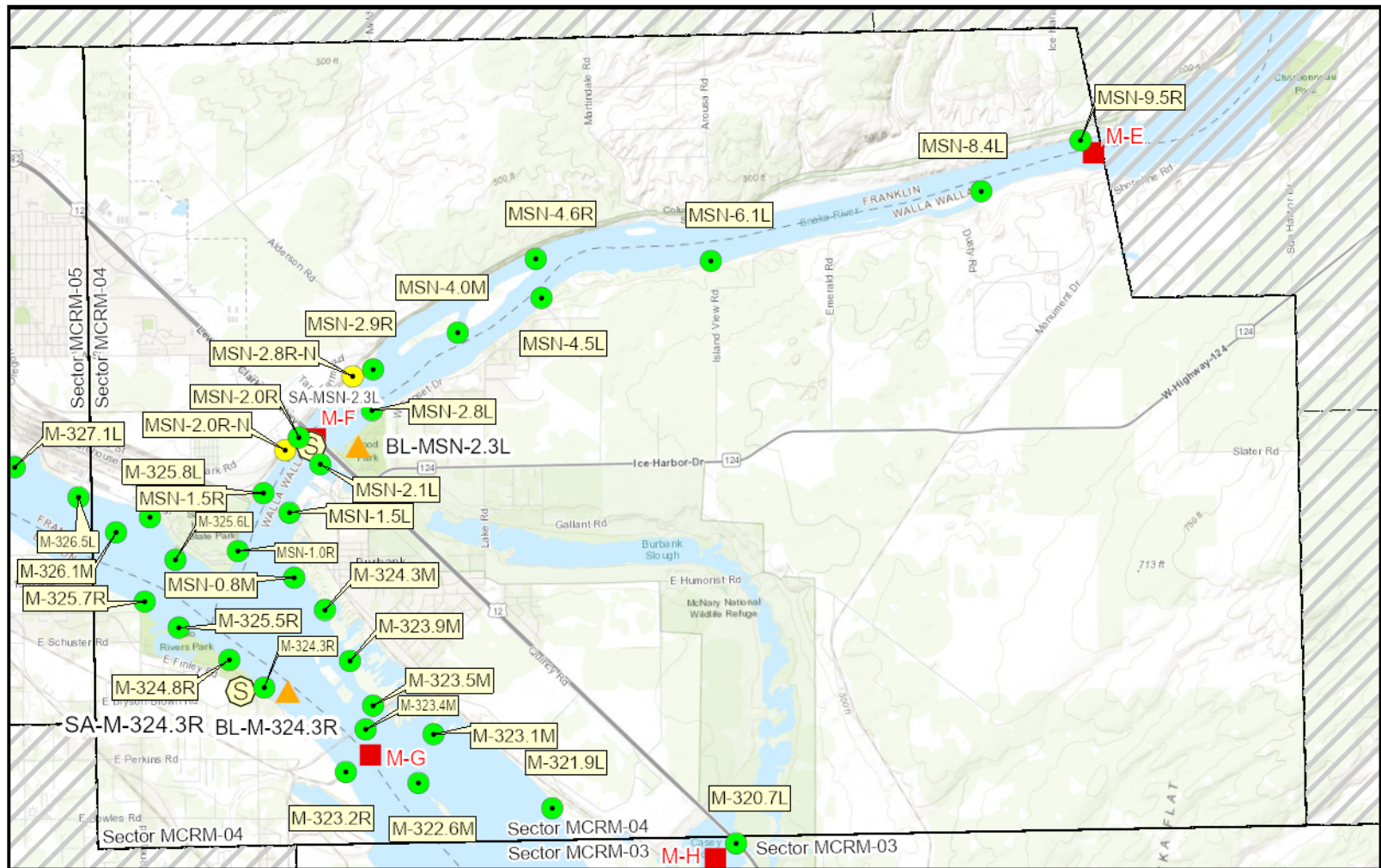
World Topographic Map: Bureau of Land Management, State of Oregon, State of Oregon DOT, State of Oregon GEO, Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA,

## Sector MCRM-02

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







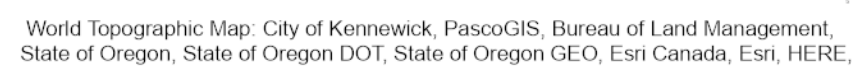
- Response Strategy Locations
- ▲ Boat Launch Locations
- Notification Strategy Locations
- Potential Oil Spill Points
- (S) Staging Area Locations

0 0.5 1 2 Miles

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

## Sector MCRM-04

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



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

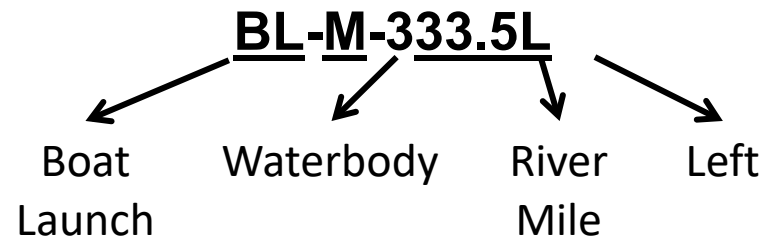




## MATRICES

### Naming Conventions (Short Names)

Each strategy, staging area, and boat launch location in this document has been given a unique “Short Name” which includes one to six letters denoting the associated waterbody. Following the letters are numbers that specify the location. On rivers or other linear waterbodies, the location is named by river mile: the distance from the mouth of the river or creek upstream to the site location. Some short names indicate whether the site is located on river right, river left, or mid-river by an “R”, “L” or “M” after the river mile. On lakes, the numbers indicate the location by shoreline mile, typically starting at the northernmost point and increasing clockwise around the lake. In marine areas, the numbers do not have a geographic meaning. Notification strategies are indicated by an “-N” at the end of the name. Staging Areas and Boat Launches are indicated by the prefix “SA” or “BL”.



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

|                               |                   |
|-------------------------------|-------------------|
| M = McNary Pool               | SA = Staging Area |
| MSN = Snake River McNary Pool | BL = Boat Launch  |
| WWR = Walla Walla River       | L = River Left    |
| YAK = Yakima River (Lower)    | R = River Right   |
| N = Notification Strategy     | M = River Middle  |



## Response Strategy Matrices

| Strategy Name   | Location                                                | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                                   | Resources At Risk                            | Comments                                                           | Sector Map     | Strategy Details (Page#) |
|-----------------|---------------------------------------------------------|---------------|-------------|-----------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------|----------------|--------------------------|
| <b>M-292.6L</b> | McNary Southshore Boat Launch<br>45.92688<br>-119.29311 | Collection    | Boom 1000ft | Yes       | Onsite<br>BL-M-292.6L/S<br>McNary Dam Lots of parking and several launch ramps on site                         | Lock and Dam                                 | Launch boat from McNary Dam Southshore boat launch, BL-M-292.6L    | Sector MCRM-01 | 4-                       |
| <b>M-292.6M</b> | USACE McNary Dam Lock<br>45.94091<br>-119.29777         | Exclusion     | Boom 300ft  | Yes       | Remote<br>Stage equipment at SA-M-298.7L<br>Hat Rock State Park (Hat Rock State Park Rd, Hermiston, OR 97838). | Lock and Dam                                 | Work with USACE to protect the navigation lock.                    | Sector MCRM-01 | 4-                       |
| <b>M-292.6R</b> | McNary Dam Boat Launch<br>45.94349<br>-119.29752        | Collection    | Boom 700ft  | Yes       | Remote<br>Stage equipment at SA-M-298.7L<br>Hat Rock State Park (Hat Rock State Park Rd, Hermiston, OR 97838). | Raptors, Resident Fish, Salmonids, Waterfowl | Notify USACE before deployment.                                    | Sector MCRM-01 | 4-                       |
| <b>M-293.7R</b> | AgriNorthwest<br>45.94622<br>-119.27553                 | Deflection    | Boom 800ft  | Yes       | Remote<br>Stage equipment at SA-M-298.7L<br>Hat Rock State Park (Hat Rock State Park Rd, Hermiston, OR 97838). | Raptors, Resident Fish, Salmonids, Waterfowl | AgriNorthwest manages this land including the nearby water intake. | Sector MCRM-01 | 4-                       |

| Strategy Name   | Location                                                        | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                             | Resources At Risk                            | Comments                                                                                                          | Sector Map     | Strategy Details (Page#) |
|-----------------|-----------------------------------------------------------------|---------------|-------------|-----------|----------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>M-298.7L</b> | Hat Rock State Park<br>45.92125<br>-119.17266                   | Exclusion     | Boom 1400ft | Yes       | Onsite Stage at SA-M-298.7L/Hat Rock                                                                     | Recreational Use Area, Shorebirds, Waterfowl | Launch at BL-M-298.7L/Hat Rock                                                                                    | Sector MCRM-01 | 4-                       |
| <b>M-299.4L</b> | Channel Upriver of McNary Yacht Club<br>45.92129<br>-119.16376  | Collection    | Boom 1300ft | Yes       | Onsite Stage at McNary Yacht Club/SA-M-299.1L                                                            | Recreational Use Area, Shorebirds, Waterfowl | Launch at McNary Yacht Club/BL-M-299.1L                                                                           | Sector MCRM-01 | 4-                       |
| <b>M-299.5M</b> | Islands E of Hat Rock State Park<br>45.92220<br>-119.15777      | Exclusion     | Boom 600ft  | Yes       | Remote Hat Rock, SA-M-298.7L                                                                             | Recreational Use Area, Shorebirds, Waterfowl | Launch boat from Hat Rock State Park, BL-M-298.7L                                                                 | Sector MCRM-01 | 4-                       |
| <b>M-299.8L</b> | Third Island E of Hat Rock State Park<br>45.92257<br>-119.15237 | Exclusion     | Boom 800ft  | Yes       | Remote Stage and launch workboat from Hat Rock State Park (SA-M-298.7L & BL-M-298.7L)                    | Recreational Use Area, Shorebirds, Waterfowl | Notify Hat Rock State Park before staging equipment and for access assistance; call 541-910-6285 or 541-983-2277. | Sector MCRM-01 | 4-                       |
| <b>M-299.9R</b> | Rush Canyon<br>45.93666<br>-119.15081                           | Deflection    | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-298.7L Hat Rock State Park (Hat Rock State Park Rd, Hermiston, OR 97838). | Water Intakes                                | Farmland Reserve manages this land including the nearby water intake.                                             | Sector MCRM-01 | 4-                       |

| Strategy Name   | Location                                                                        | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                                     | Resources At Risk                                     | Comments                                                         | Sector Map        | Strategy Details (Page#) |
|-----------------|---------------------------------------------------------------------------------|---------------|-------------|-----------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------|-------------------|--------------------------|
| <b>M-300.0L</b> | Warehouse Beach West<br>45.92015<br>-119.14391                                  | Deflection    | Boom 800ft  | Yes       | Onsite<br>SA-M-300L<br>Warehouse Beach<br>Recreation Area                                                        | Recreational<br>Use Area,<br>Shorebirds,<br>Waterfowl | Launch boat from<br>Warehouse<br>Recreational Area,<br>BL-M-300L | Sector<br>MCRM-01 | 4-                       |
| <b>M-300.3L</b> | Warehouse Beach East<br>45.92183<br>-119.13510                                  | Exclusion     | Boom 1000ft | Yes       | Onsite<br>Warehouse Beach<br>Recreation Area                                                                     | Recreational<br>Use Area,<br>Shorebirds,<br>Waterfowl | Launch boat from<br>Warehouse<br>Recreational Area,<br>BL-M-300L | Sector<br>MCRM-01 | 4-                       |
| <b>M-300.9L</b> | Peninsula east of<br>Warehouse Beach<br>45.92285<br>-119.12986                  | Deflection    | Boom 500ft  | Yes       | Remote<br>Sand Station Rec<br>Area - bathroom,<br>beach, lots of<br>parking                                      | Recreational<br>Use Area,<br>Shorebirds,<br>Waterfowl | Launch boat from<br>Warehouse<br>Recreational Area,<br>BL-M-300L | Sector<br>MCRM-01 | 4-                       |
| <b>M-301.1L</b> | Sand Station<br>Recreation Area-<br>West<br>45.92284<br>-119.12066              | Deflection    | Boom 1000ft | Yes       | Onsite<br>Located at Sand<br>Station<br>Recreation Area -<br>Can stage some<br>equipment in the<br>parking area. | Recreational<br>Use Area,<br>Shorebirds,<br>Waterfowl | Launch boat from Hat<br>Rock State Park, BL-<br>M-298.7L         | Sector<br>MCRM-01 | 4-                       |
| <b>M-301.5L</b> | Sand Station<br>Recreation Area-<br>East (deflection)<br>45.92358<br>-119.11438 | Deflection    | Boom 700ft  | Yes       | Remote<br>Pump station 1/4<br>mile east of Sand<br>Station Rec Area -<br>Can stage some<br>equipment on<br>site. | Recreational<br>Use Area,<br>Shorebirds,<br>Waterfowl | Launch boat from Hat<br>Rock State Park, BL-<br>M-298.7L         | Sector<br>MCRM-01 | 4-                       |

| Strategy Name   | Location                                                    | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                             | Resources At Risk                                  | Comments                                             | Sector Map     | Strategy Details (Page#) |
|-----------------|-------------------------------------------------------------|---------------|-------------|-----------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------|----------------|--------------------------|
| <b>M-301.6L</b> | Sand Station Recreation Area-East<br>45.92366<br>-119.11355 | Collection    | Boom 500ft  | Yes       | Onsite Pump station 1/4 mile east of Sand Station Rec Area - Can stage some equipment on site.           | Recreational Use Area, Shorebirds, Waterfowl       | Use Hat Rock State Park for boat launch, BL-M-298.7L | Sector MCRM-01 | 4-                       |
| <b>M-302.3R</b> | Switzler Canyon<br>45.94504<br>-119.10896                   | Exclusion     | Boom 100ft  | Yes       | Remote Stage equipment at SA-M-298.7L Hat Rock State Park (Hat Rock State Park Rd, Hermiston, OR 97838). | Resident Fish, Salmonids, Water Intakes, Waterfowl | Notify BNSF before deployment.                       | Sector MCRM-01 | 4-                       |
| <b>M-303.3R</b> | Downriver of Van Skinner Island<br>45.95757<br>-119.08040   | Exclusion     | Boom 100ft  | Yes       | Remote Stage equipment at SA-M-298.7L Hat Rock State Park (Hat Rock State Park Rd, Hermiston, OR 97838). | Raptors, Resident Fish, Salmonids, Waterfowl       | Notify BNSF before deployment.                       | Sector MCRM-02 | 4-                       |
| <b>M-304.5R</b> | Downriver of Spaw Canyon<br>45.96612<br>-119.06043          | Exclusion     | Boom 100ft  | Yes       | Remote Stage equipment at SA-M-298.7L Hat Rock State Park (Hat Rock State Park Rd, Hermiston, OR 97838). | Raptors, Resident Fish, Salmonids                  | Notify BNSF before deployment.                       | Sector MCRM-02 | 4-                       |



| Strategy Name   | Location                                                 | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                                            | Resources At Risk                            | Comments                                                                                               | Sector Map        | Strategy Details (Page#) |
|-----------------|----------------------------------------------------------|---------------|-------------|-----------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------|--------------------------|
| <b>M-305.9L</b> | Juniper Canyon<br>45.95832<br>-119.03746                 | Exclusion     | Boom 300ft  | Yes       | Remote<br>SA-M-298.7L Hat<br>Rock Park                                                                                  | Recreational<br>Use Area,<br>Waterfowl       | Limited access by<br>land from Highway<br>730. Launch boat<br>from Hat Rock State<br>Park, BL-M-298.7L | Sector<br>MCRM-02 | 4-                       |
| <b>M-306.5R</b> | Pond Upriver of<br>Spaw Canyon<br>45.98092<br>-119.01970 | Exclusion     | Boom 100ft  | Yes       | Remote<br>Stage equipment<br>at SA-WWR-4.0R<br>Madame Dorion<br>Memorial Park (N<br>Shore Rd,<br>Burbank, WA<br>99323). | Raptors,<br>Resident<br>Fish,<br>Salmonids   | Notify BNSF before<br>deployment.                                                                      | Sector<br>MCRM-02 | 4-                       |
| <b>M-308.8R</b> | Unnamed Pond<br>45.99259<br>-119.00463                   | Exclusion     | Boom 100ft  | Yes       | Remote<br>Stage equipment<br>at SA-WWR-4.0R<br>Madame Dorion<br>Memorial Park (N<br>Shore Rd,<br>Burbank, WA<br>99323). | Resident<br>Fish,<br>Salmonids,<br>Waterfowl | Confirm location of<br>culvert before<br>anchoring boom.<br>Notify BNSF before<br>deployment.          | Sector<br>MCRM-02 | 4-                       |
| <b>M-309.8R</b> | Palmer Pond<br>46.00394<br>-118.99667                    | Exclusion     | Boom 100ft  | Yes       | Remote<br>Stage equipment<br>at SA-WWR-4.0R<br>Madame Dorion<br>Memorial Park (N<br>Shore Rd,<br>Burbank, WA<br>99323). | Resident<br>Fish,<br>Salmonids,<br>Waterfowl | Notify BNSF before<br>deployment.                                                                      | Sector<br>MCRM-02 | 4-                       |

| Strategy Name   | Location                                            | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                       | Resources At Risk                   | Comments                       | Sector Map     | Strategy Details (Page#) |
|-----------------|-----------------------------------------------------|---------------|-------------|-----------|----------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------|----------------|--------------------------|
| <b>M-310.3R</b> | Switch Pond<br>46.01024<br>-118.98936               | Exclusion     | Boom 100ft  | Yes       | Remote Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323). | Resident Fish, Salmonids, Waterfowl | Notify BNSF before deployment. | Sector MCRM-02 | 4-                       |
| <b>M-310.8R</b> | Yellepit Pond (Downriver)<br>46.01765<br>-118.97891 | Exclusion     | Boom 100ft  | Yes       | Remote Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323). | Raptors, Resident Fish, Salmonids   | Notify BNSF before deployment. | Sector MCRM-03 | 4-                       |
| <b>M-311.4R</b> | Yellepit Pond (Upriver)<br>46.02198<br>-118.97277   | Exclusion     | Boom 100ft  | Yes       | Remote Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323). | Resident Fish, Salmonids, Waterfowl | Notify BNSF before deployment. | Sector MCRM-03 | 4-                       |
| <b>M-311.9R</b> | Mound Pond<br>46.02759<br>-118.96478                | Exclusion     | Boom 100ft  | Yes       | Remote Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323). | Resident Fish, Salmonids, Waterfowl | Notify BNSF before deployment. | Sector MCRM-03 | 4-                       |

| Strategy Name   | Location                                              | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                       | Resources At Risk                                                                                    | Comments                                                                                                                                       | Sector Map     | Strategy Details (Page#) |
|-----------------|-------------------------------------------------------|---------------|-------------|-----------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>M-312.0L</b> | Port Kelley<br>46.02290<br>-118.94357                 | Collection    | Boom 1200ft | Yes       | Remote Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323). | Recreational Use Area, Resident Fish, Salmonids, Waterfowl                                           | Northwest Grain Growers owns this location (and USACE manages an adjacent property). Notify the company before deployment.                     | Sector MCRM-03 | 4-                       |
| <b>M-314.6R</b> | Pond Upriver of Wallula Gap<br>46.06325<br>-118.95114 | Exclusion     | Boom 100ft  | Yes       | Remote Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323). | Raptors, Resident Fish, Salmonids                                                                    | Notify BNSF before deployment.                                                                                                                 | Sector MCRM-03 | 4-                       |
| <b>M-317.0L</b> | Attalia<br>46.10856<br>-118.92342                     | Collection    | Boom 900ft  | Yes       | Remote Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323). | Resident Fish, Salmonids, Shellfish, Shorebirds, Waterfowl                                           | This site is part of the Packaging Corporation of America facility. Notify company before deployment - and activate the notification strategy. | Sector MCRM-03 | 4-                       |
| <b>M-317.5R</b> | Hover Park (Downriver)<br>46.10186<br>-118.96674      | Exclusion     | Boom 900ft  | Yes       | Remote Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323). | Raptors, Recreational Use Area, Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl | This location is part of a federal public recreation area. Notify USACE before deployment.                                                     | Sector MCRM-03 | 4-                       |

| Strategy Name   | Location                                         | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                       | Resources At Risk                                                                            | Comments                                                                                      | Sector Map     | Strategy Details (Page#) |
|-----------------|--------------------------------------------------|---------------|-------------|-----------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>M-317.8M</b> | Badger Island<br>46.11349<br>-118.94011          | Deflection    | Boom 1000ft | Yes       | Remote Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323). | Resident Fish, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge                             | The area is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.      | Sector MCRM-03 | 4-                       |
| <b>M-318.3R</b> | Hover Park (Upriver)<br>46.11937<br>-118.97526   | Collection    | Boom 900ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).   | Raptors, Recreational Use Area, Resident Fish, Salmonids, Shorebirds, Waterfowl              | This location is part of a federal public recreation area. Notify USACE before deployment.    | Sector MCRM-03 | 4-                       |
| <b>M-319.2M</b> | Peninsula (McNary NWR)<br>46.12780<br>-118.96162 | Deflection    | Boom 500ft  | Yes       | Remote Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323). | Resident Fish, Salmonids, Sensitive Resources Nearby, Shorebirds, Waterfowl, Wildlife Refuge | The area is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.      | Sector MCRM-03 | 4-                       |
| <b>M-320.6L</b> | Casey Pond (Outer)<br>46.15784<br>-118.95245     | Exclusion     | Boom 200ft  | Yes       | Remote Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323). | Resident Fish, Salmonids, Waterfowl, Wildlife Refuge                                         | This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment. | Sector MCRM-03 | 4-                       |

| Strategy Name   | Location                                     | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                        | Resources At Risk                                                                     | Comments                                                                                      | Sector Map     | Strategy Details (Page#) |
|-----------------|----------------------------------------------|---------------|-------------|-----------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>M-320.7L</b> | Casey Pond (Inner)<br>46.16409<br>-118.94833 | Exclusion     | Boom 100ft  | Yes       | Onsite<br>Stage equipment onsite.                                                                   | Backwater Habitat, Resident Fish, Salmonids, Wildlife Refuge                          | Lane closure possible – use WSDOT guidelines. Contact USFWS before deployment.                | Sector MCRM-03 | 4-                       |
| <b>M-321.9L</b> | Game Road<br>46.16895<br>-118.98116          | Collection    | Boom 900ft  | Yes       | Remote<br>Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | Resident Fish, Salmonids, Wildlife Refuge                                             | This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment. | Sector MCRM-04 | 4-                       |
| <b>M-322.6M</b> | Foundation Island<br>46.17240<br>-119.00510  | Deflection    | Boom 500ft  | Yes       | Remote<br>Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl, Wildlife Refuge | The island is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.    | Sector MCRM-04 | 4-                       |
| <b>M-323.1M</b> | Vilard Pond<br>46.17844<br>-119.00219        | Exclusion     | Boom 400ft  | No        | Remote<br>Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | Resident Fish, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge                      | This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment. | Sector MCRM-04 | 4-                       |



| Strategy Name   | Location                                            | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                     | Resources At Risk                                                | Comments                                                                                                                                    | Sector Map     | Strategy Details (Page#) |
|-----------------|-----------------------------------------------------|---------------|-------------|-----------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>M-323.2R</b> | Nutrien Nitrogen Facility<br>46.17393<br>-119.01809 | Collection    | Boom 900ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | Resident Fish, Salmonids                                         | Work with the company so that the vac truck can drive onto the property and reach the riverbank.                                            | Sector MCRM-04 | 4-                       |
| <b>M-323.4M</b> | Burbank Five<br>46.17919<br>-119.01440              | Deflection    | Boom 700ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | Resident Fish, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge | This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment. The bridge belongs to Union Pacific Railroad. | Sector MCRM-04 | 4-                       |
| <b>M-323.5M</b> | Burbank Four<br>46.18216<br>-119.01295              | Exclusion     | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | Resident Fish, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge | This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.                                               | Sector MCRM-04 | 4-                       |
| <b>M-323.9M</b> | Burbank Three<br>46.18780<br>-119.01697             | Exclusion     | Boom 400ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | Resident Fish, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge | This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.                                               | Sector MCRM-04 | 4-                       |

| Strategy Name   | Location                                                | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                     | Resources At Risk                                                                 | Comments                                                                                      | Sector Map     | Strategy Details (Page#) |
|-----------------|---------------------------------------------------------|---------------|-------------|-----------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>M-324.3M</b> | Burbank Two<br>46.19421<br>-119.02126                   | Exclusion     | Boom 600ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | Resident Fish, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge                  | This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment. | Sector MCRM-04 | 4-                       |
| <b>M-324.3R</b> | Two Rivers Park (Boat Launch)<br>46.18464<br>-119.03244 | Collection    | Boom 600ft  | Yes       | Onsite Stage equipment onsite.                                                                   | Resident Fish, Salmonids, Sensitive Resources                                     | Benton County manages the park. Notify the county before deployment.                          | Sector MCRM-04 | 4-                       |
| <b>M-324.8R</b> | Two Rivers Park (Downriver)<br>46.18820<br>-119.03859   | Exclusion     | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | County Park, Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl | Notify Benton County (park manager) before deployment.                                        | Sector MCRM-04 | 4-                       |
| <b>M-325.5R</b> | Two Rivers Park (Midriver)<br>46.19233<br>-119.04752    | Deflection    | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | County Park, Resident Fish, Salmonids, Sensitive Resources, Waterfowl             | Notify Benton County before deployment.                                                       | Sector MCRM-04 | 4-                       |

| Strategy Name   | Location                                                                     | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                     | Resources At Risk                                                            | Comments                                                                                | Sector Map     | Strategy Details (Page#) |
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| <b>M-325.6L</b> | Sacajawea Historical State Park (Columbia River)<br>46.20081<br>-119.04795   | Exclusion     | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | Resident Fish, Salmonids, Sensitive Resources, State Park, Waterfowl         | Notify the state park before deployment.                                                | Sector MCRM-04 | 4-                       |
| <b>M-325.7R</b> | Two Rivers Park (Upriver)<br>46.19567<br>-119.05358                          | Deflection    | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | County Park, Resident Fish, Salmonids, Sensitive Resources Nearby, Waterfowl | Notify Benton County before deployment.                                                 | Sector MCRM-04 | 4-                       |
| <b>M-325.8L</b> | Sacajawea Historical State Park and Heritage Trail<br>46.20615<br>-119.05241 | Collection    | Boom 700ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | Resident Fish, Salmonids, Sensitive Resources, State Park                    | Work with the state park so that the vac truck can drive on the pedestrian trail.       | Sector MCRM-04 | 4-                       |
| <b>M-326.1M</b> | Indian Island<br>46.20437<br>-119.05846                                      | Deflection    | Boom 1000ft | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | Resident Fish, Salmonids, Sensitive Resources, Waterfowl                     | Do not anchor to land, just anchor in water. Contact Franklin County before deployment. | Sector MCRM-04 | 4-                       |

| Strategy Name   | Location                                                        | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                     | Resources At Risk                                     | Comments                                                                                                                                          | Sector Map     | Strategy Details (Page#) |
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| <b>M-326.5L</b> | SE Road 27<br>(Pasco)<br>46.20880<br>-119.06517                 | Deflection    | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | Resident Fish, Riparian Habitat, Salmonids, Waterfowl | This location is part of the Port of Pasco. Notify Franklin County before deployment.                                                             | Sector MCRM-05 | 4-                       |
| <b>M-327.1L</b> | SE Road 20<br>(Pasco)<br>46.21271<br>-119.07648                 | Collection    | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | Resident Fish, Salmonids                              | This location is part of the Port of Pasco. Notify Franklin County before deployment.                                                             | Sector MCRM-05 | 4-                       |
| <b>M-328.0L</b> | Schlagel Park<br>46.21812<br>-119.09096                         | Exclusion     | Boom 300ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | City Park, Marina, Resident Fish, Salmonids           | Another name for this location is the Pasco Boat Basin (Columbia Marine Center operates a marina here). Notify Franklin County before deployment. | Sector MCRM-05 | 4-                       |
| <b>M-328.4L</b> | West River Street & Ed Hendler Bridge<br>46.21988<br>-119.10109 | Collection    | Boom 900ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337). | Resident Fish, Salmonids, Sensitive Resources         | Notify Franklin County before deployment.                                                                                                         | Sector MCRM-05 | 4-                       |

| Strategy Name   | Location                                          | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                                  | Resources At Risk                                                                    | Comments                                                                                                                                               | Sector Map     | Strategy Details (Page#) |
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| <b>M-328.9R</b> | Clover Island (Upriver)<br>46.21567<br>-119.11745 | Collection    | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).              | Economic Resources, Resident Fish, Salmonids, Sensitive Resources, Waterfowl         | This location is managed by the Port of Kennewick. Notify the port before deployment.                                                                  | Sector MCRM-05 | 4-                       |
| <b>M-329.0M</b> | Clover Island<br>46.21837<br>-119.11380           | Deflection    | Boom 500ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).              | Economic Resources, Marina, Resident Fish, Salmonids, Sensitive Resources, Waterfowl | This location is managed by the Port of Kennewick. Notify the port before deployment.                                                                  | Sector MCRM-05 | 4-                       |
| <b>M-330.3R</b> | Columbia Park East<br>46.22275<br>-119.13976      | Collection    | Boom 700ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).              | City Park, Resident Fish, Salmonids, Sensitive Resources, Waterfowl                  | Keep oil out of park pond. Notify the City of Kennewick before deployment.                                                                             | Sector MCRM-05 | 4-                       |
| <b>M-331.4L</b> | Wade Park<br>46.23241<br>-119.16441               | Collection    | Boom 600ft  | Yes       | Remote Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352). | City Park, Resident Fish, Salmonids, Sensitive Resources, Water Intakes, Waterfowl   | Another objective of this strategy is to exclude oil from the water intake (notification strategy 331.5L-N). Notify Franklin County before deployment. | Sector MCRM-05 | 4-                       |



| Strategy Name   | Location                                              | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                                  | Resources At Risk                                                                    | Comments                                                                                                 | Sector Map     | Strategy Details (Page#) |
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| <b>M-332.8R</b> | Columbia Park<br>46.23157<br>-119.19108               | Collection    | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352). | City Park, Resident Fish, Salmonids, Sensitive Resources, Waterfowl                  | Notify City of Kennewick before deployment.                                                              | Sector MCRM-05 | 4-                       |
| <b>M-333.3M</b> | Carpet Island<br>46.23818<br>-119.20244               | Deflection    | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352). | Resident Fish, Salmonids, Sensitive Resources, Waterfowl                             | Notify Franklin County before deployment.                                                                | Sector MCRM-05 | 4-                       |
| <b>M-333.8L</b> | Chiawana Park<br>46.24247<br>-119.20536               | Collection    | Boom 600ft  | Yes       | Remote Stage equipment at SA-M-336.4R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352). | Backwater Habitat, City Park, Raptors, Resident Fish, Salmonids, Sensitive Resources | Consider adding boom across boat basin entrance to keep oil out. Notify City of Pasco before deployment. | Sector MCRM-05 | 4-                       |
| <b>M-334.0R</b> | Yakima River Delta (Chamna)<br>46.23911<br>-119.21876 | Collection    | Boom 900ft  | Yes       | Onsite Stage equipment onsite.                                                                                | Restoration, Resident Fish, Salmonids, Sensitive Resources, Waterfowl                | USACE manages Bateman Island. Notify Benton County before deployment.                                    | Sector MCRM-06 | 4-                       |

| Strategy Name   | Location                                          | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                                  | Resources At Risk                                                                           | Comments                                                                                     | Sector Map     | Strategy Details (Page#) |
|-----------------|---------------------------------------------------|---------------|-------------|-----------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>M-334.3M</b> | Bateman Island<br>46.24336<br>-119.22001          | Exclusion     | Boom 400ft  | Yes       | Remote Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352). | Recreational Use Area, Salmonids, Shorebirds, Waterfowl                                     | USACE manages Bateman Island. Notify Benton County before deployment.                        | Sector MCRM-06 | 4-                       |
| <b>M-334.5L</b> | Chiawana Park (Upriver)<br>46.24699<br>-119.21624 | Deflection    | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352). | City Park, Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl             | Park is co-managed by the City of Pasco and USACE. Notify Franklin County before deployment. | Sector MCRM-06 | 4-                       |
| <b>M-335.0M</b> | Bateman Island - North<br>46.25123<br>-119.22929  | Deflection    | Boom 900ft  | Yes       | Remote Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352). | Recreational Use Area, Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl | USACE manages this public area.                                                              | Sector MCRM-06 | 4-                       |

| Strategy Name   | Location                                                         | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                                  | Resources At Risk                                                                              | Comments                                                                                                                              | Sector Map     | Strategy Details (Page#) |
|-----------------|------------------------------------------------------------------|---------------|-------------|-----------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>M-335.8R</b> | Columbia Point<br>46.25990<br>-119.23775                         | Deflection    | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352). | Federal Lands, Resident Fish, Salmonids, Sensitive Resources, Shellfish, Shorebirds, Waterfowl | The City of Richland manages this public area.                                                                                        | Sector MCRM-06 | 4-                       |
| <b>M-336.1R</b> | Riverfront Trail Under I-182 Bridge<br>46.26394<br>-119.24533    | Collection    | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352). | Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl                           | A fence blocks vehicle traffic onto the Riverfront Trail. Work with the city to open the gate.                                        | Sector MCRM-06 | 4-                       |
| <b>M-336.4R</b> | Columbia Point Marine Park (Downriver)<br>46.26524<br>-119.25029 | Deflection    | Boom 200ft  | Yes       | Onsite Stage equipment onsite.                                                                                | Marina, Resident Fish, Salmonids, Sensitive Resources, Waterfowl                               | There is another entrance to the marina 0.3 miles upriver (deploy 336.7R strategy as well). Notify Franklin County before deployment. | Sector MCRM-06 | 4-                       |
| <b>M-336.7R</b> | Columbia Point Marina Park (Upriver)<br>46.26669<br>-119.25669   | Exclusion     | Boom 600ft  | Yes       | Remote Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352). | Marina, Resident Fish, Salmonids, Sensitive Resources, Waterfowl                               | There is another entrance to the marina 0.3 miles downriver (deploy 336.4R strategy as well). Notify Benton County before deployment. | Sector MCRM-06 | 4-                       |

| Strategy Name   | Location                                               | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                                  | Resources At Risk                                                                  | Comments                                                                                | Sector Map     | Strategy Details (Page#) |
|-----------------|--------------------------------------------------------|---------------|-------------|-----------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>M-337.3R</b> | Howard Amon Park (Downriver)<br>46.27251<br>-119.26752 | Collection    | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-337.8R Howard Amon Park (Amon Park Dr, Richland, WA 99352).                    | City Park, Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl    | This strategy is located at the southern end of the city park.                          | Sector MCRM-06 | 4-                       |
| <b>M-337.8R</b> | Howard Amon Park (Upriver)<br>46.28130<br>-119.27019   | Collection    | Boom 800ft  | Yes       | Onsite Stage equipment onsite.                                                                                | City Park, Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl    | None                                                                                    | Sector MCRM-06 | 4-                       |
| <b>M-338.2L</b> | Road 116/Burns Road<br>46.28599<br>-119.26325          | Collection    | Boom 700ft  | Yes       | Remote Stage equipment at SA-M-336.4R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352). | Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl               | Notify Franklin County before deployment.                                               | Sector MCRM-06 | 4-                       |
| <b>M-340.3R</b> | Leslie Groves Park<br>46.31581<br>-119.25913           | Deflection    | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-340.1R Leslie Groves Park (50 Snyder St, Richland, WA 99354).                  | City Park, Resident Fish, Salmonids, Sensitive Resources, Water Intakes, Waterfowl | The City of Richland draws drinking water from the river at this location (M-340.2R-N). | Sector MCRM-06 | 4-                       |

| Strategy Name   | Location                                                                | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                                  | Resources At Risk                                                                    | Comments                                                                                      | Sector Map     | Strategy Details (Page#) |
|-----------------|-------------------------------------------------------------------------|---------------|-------------|-----------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>M-340.7L</b> | Selph Landing<br>46.32140<br>-119.24908                                 | Collection    | Boom 700ft  | Yes       | Remote Stage equipment at SA-M-336.4R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352). | Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl                 | Notify Franklin County before deployment.                                                     | Sector MCRM-06 | 4-                       |
| <b>MSN-0.8M</b> | Second Inlet Downriver from BNSF Bridge<br>46.19829<br>-119.02664       | Deflection    | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).              | Resident Fish, Riparian Habitat, Salmonids, Sensitive Resources, Waterfowl, Wetlands | This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment. | Sector MCRM-04 | 4-                       |
| <b>MSN-1.0R</b> | Sacajawea Historical State Park (Snake River)<br>46.20175<br>-119.03669 | Collection    | Boom 900ft  | Yes       | Remote Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323).                            | Resident Fish, Salmonids, Sensitive Resources, State Park, Waterfowl                 | Notify state park before deployment.                                                          | Sector MCRM-04 | 4-                       |
| <b>MSN-1.5L</b> | Radius Recycling and Railroad Bridge<br>46.20641<br>-119.02732          | Exclusion     | Boom 400ft  | Yes       | Remote Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323).                            | Resident Fish, Salmonids, Sensitive Resources, Waterfowl, Wetlands                   | The railroad bridge belongs to BNSF.                                                          | Sector MCRM-04 | 4-                       |

| Strategy Name   | Location                                                                         | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                      | Resources At Risk                                                                                                 | Comments                                                                                                  | Sector Map        | Strategy Details (Page#) |
|-----------------|----------------------------------------------------------------------------------|---------------|-------------|-----------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------|--------------------------|
| <b>MSN-1.5R</b> | Railroad Bridge<br>North of<br>Sacajawea State<br>Park<br>46.20889<br>-119.03191 | Deflection    | Boom 900ft  | Yes       | Remote<br>Stage equipment<br>at SA-MSN-2.3L<br>Hood Park (Hood<br>Park Rd, Burbank,<br>WA 99323). | Resident<br>Fish,<br>Salmonids,<br>Sensitive<br>Resources,<br>State Park,<br>Waterfowl                            | The railroad bridge<br>belongs to BNSF.                                                                   | Sector<br>MCRM-04 | 4-                       |
| <b>MSN-2.0R</b> | Tesoro Pasco<br>Terminal<br>46.21577<br>-119.02534                               | Collection    | Boom 900ft  | Yes       | Remote<br>Stage equipment<br>at SA-MSN-2.3L<br>Hood Park (Hood<br>Park Rd, Burbank,<br>WA 99323). | Economic<br>Resources,<br>Resident<br>Fish,<br>Salmonids,<br>Sensitive<br>Resources                               | Contact Tesoro<br>before deployment.<br>Drive to facility to<br>collect oil.                              | Sector<br>MCRM-04 | 4-                       |
| <b>MSN-2.1L</b> | Hood Park -<br>Downriver<br>46.21240<br>-119.02164                               | Exclusion     | Boom 1000ft | Yes       | Remote<br>Stage equipment<br>at SA-MSN-2.3L<br>Hood Park (Hood<br>Park Rd, Burbank,<br>WA 99323). | Recreational<br>Use Area,<br>Resident<br>Fish,<br>Salmonids,<br>Sensitive<br>Resources,<br>Waterfowl,<br>Wetlands | The USACE manages<br>this public recreation<br>area. There is a small<br>boat launch within<br>this area. | Sector<br>MCRM-04 | 4-                       |
| <b>MSN-2.8L</b> | Hood Park<br>46.21900<br>-119.01217                                              | Deflection    | Boom 900ft  | Yes       | Remote<br>Stage equipment<br>at SA-MSN-2.3L<br>Hood Park (Hood<br>Park Rd, Burbank,<br>WA 99323). | Recreational<br>Use Area,<br>Resident<br>Fish,<br>Salmonids,<br>Sensitive<br>Resources,<br>Waterfowl              | The USACE manages<br>this public recreation<br>area.                                                      | Sector<br>MCRM-04 | 4-                       |



| Strategy Name   | Location                                                 | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                       | Resources At Risk                                                                           | Comments                                                                       | Sector Map     | Strategy Details (Page#) |
|-----------------|----------------------------------------------------------|---------------|-------------|-----------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------|--------------------------|
| <b>MSN-2.9R</b> | Tidewater Snake River Terminal<br>46.22408<br>-119.01183 | Deflection    | Boom 600ft  | Yes       | Remote Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323). | Economic Resources, Resident Fish, Salmonids, Sensitive Resources, Waterfowl                | Contact Tidewater before deployment.                                           | Sector MCRM-04 | 4-                       |
| <b>MSN-4.0M</b> | Strawberry Island<br>46.22844<br>-118.99648              | Exclusion     | Boom 1300ft | Yes       | Remote Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323). | Herons, Resident Fish, Salmonids, Sensitive Resources, Waterfowl, Wetlands, Wildlife Refuge | This island is part of the McNary National Wildlife Refuge (managed by USFWS). | Sector MCRM-04 | 4-                       |
| <b>MSN-4.5L</b> | Pumping Plant Road<br>46.23321<br>-118.98140             | Exclusion     | Boom 200ft  | Yes       | Remote Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323). | Resident Fish, Salmonids, Sensitive Resources, Water Intakes, Waterfowl                     | USACE manages this area.                                                       | Sector MCRM-04 | 4-                       |

| Strategy Name   | Location                                              | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                       | Resources At Risk                                                                  | Comments                                                                       | Sector Map     | Strategy Details (Page#) |
|-----------------|-------------------------------------------------------|---------------|-------------|-----------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------|--------------------------|
| <b>MSN-4.6R</b> | Strawberry Island (Upriver)<br>46.23746<br>-118.98225 | Deflection    | Boom 1000ft | Yes       | Remote Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323). | Hérons, Resident Fish, Riparian Habitat, Salmonids, Sensitive Resources, Waterfowl | This island is part of the McNary National Wildlife Refuge (managed by USFWS). | Sector MCRM-04 | 4-                       |
| <b>MSN-6.1L</b> | Snake River (Left Bank)<br>46.23682<br>-118.95072     | Exclusion     | Boom 1200ft | Yes       | Remote Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323). | Resident Fish, Salmonids, Sensitive Resources, Water Intakes, Waterfowl            | USACE manages this area.                                                       | Sector MCRM-04 | 4-                       |
| <b>MSN-8.4L</b> | Goose Island<br>46.24479<br>-118.90196                | Collection    | Boom 700ft  | Yes       | Remote Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323). | Federal Lands, Resident Fish, Salmonids, Sensitive Resources, Waterfowl            | USACE manages this area.                                                       | Sector MCRM-04 | 4-                       |
| <b>MSN-9.5R</b> | Ice Harbor Dam Lock<br>46.25090<br>-118.88391         | Collection    | Boom 300ft  | Yes       | Remote Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323). | Lock and Dam, Sensitive Resources                                                  | Contact dam control room before deployment.                                    | Sector MCRM-04 | 4-                       |

| Strategy Name   | Location                                               | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                                  | Resources At Risk                                                                          | Comments                                                                                      | Sector Map     | Strategy Details (Page#) |
|-----------------|--------------------------------------------------------|---------------|-------------|-----------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>WWR-3.8L</b> | White Tail Bay<br>46.05806<br>-118.90583               | Exclusion     | Boom 200ft  | Yes       | Remote Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).            | Raptors, Resident Fish, Salmonids, Waterfowl, Wetlands                                     | This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment. | Sector MCRM-03 | 4-                       |
| <b>WWR-4.0R</b> | Madame Dorion Memorial Park<br>46.06251<br>-118.90296  | Collection    | Boom 400ft  | Yes       | Onsite Stage equipment onsite.                                                                                | Raptors, Resident Fish, Salmonids, Waterfowl, Wildlife Refuge                              | This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment. | Sector MCRM-03 | 4-                       |
| <b>WWR-4.2R</b> | Smiths Harbor/Sanctuary Pond<br>46.06406<br>-118.90083 | Exclusion     | Boom 200ft  | No        | Remote Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).            | Raptors, Resident Fish, Salmonids, Waterfowl, Wetlands                                     | This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment. | Sector MCRM-03 | 4-                       |
| <b>YAK-2.1L</b> | Riverview Natural Preserve<br>46.25409<br>-119.25698   | Collection    | Boom 800ft  | Yes       | Remote Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352). | City Park, Resident Fish, Salmonids, Sensitive Resources, Shellfish, Shorebirds, Waterfowl | Work with the City of Richland to obtain access for a vac truck.                              | Sector MCRM-06 | 4-                       |

| Strategy Name | Location                                          | Strategy Type | Boom Length | Boat Req? | Staging Area                                                                                                  | Resources At Risk                                                               | Comments                                                                                                       | Sector Map     | Strategy Details (Page#) |
|---------------|---------------------------------------------------|---------------|-------------|-----------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------|--------------------------|
| YAK-4.2L      | Chamna Natural Preserve<br>46.25717<br>-119.28863 | Collection    | Boom 700ft  | Yes       | Remote Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352). | City Park, Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl | This area is part of the Tapteal Water Trail. Work with the City of Richland to obtain access for a vac truck. | Sector MCRM-06 | 4-                       |

## Notification Strategy Matrices

| Strategy Name     | Location                                                                 | Strategy Type | Resources at Risk                       | Implementation                                                                                                                                                                                                                     | Comments                                                                                                           | Sector Map     | Strategy Details (Page#) |
|-------------------|--------------------------------------------------------------------------|---------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>M-292.6M-N</b> | USACE McNary Dam                                                         |               |                                         |                                                                                                                                                                                                                                    |                                                                                                                    |                |                          |
| <b>M-293.0L-N</b> | City of Umatilla<br>Public Works<br>Department<br>45.93047<br>-119.28841 | Notification  | Water Intakes                           | Call Director of Public Works, at 509-572-0323 (24 hrs). Contact City of Umatilla Public Works Department & notify to monitor situation and potentially shut off wells or water intakes.                                           | Alert to need to monitor and potentially shut off large municipal wells &/or surface water intake.                 | Sector MCRM-01 | 4-                       |
| <b>M-293.1L-N</b> | City of Hermiston<br>Water<br>Department<br>45.93064<br>-119.28667       | Notification  | Public Health and Safety, Water Intakes | Call 541-561-7610, 24 hr emergency # for the Water Department. May shut down water intakes or wells.                                                                                                                               | Alert to need to monitor and potentially shut off large municipal well located less than 500 feet from river bank. | Sector MCRM-01 | 4-                       |
| <b>M-309.4-N</b>  | Oregon Water<br>Resources Dept.<br>45.99957<br>-118.98748                | Notification  | Water Intakes                           | Call District 5 at (541) 278-5456 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. | Notify the state so they can take action to protect the resources under their control.                             | Sector MCRM-02 | 4-                       |

| Strategy Name     | Location                                                   | Strategy Type | Resources at Risk                 | Implementation                                                                                                                                                                                                                  | Comments                                                                                 | Sector Map     | Strategy Details (Page#) |
|-------------------|------------------------------------------------------------|---------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>M-316.5-N</b>  | Packaging Corporation of America<br>46.10269<br>-118.91852 | Notification  | Economic Resources, Water Intakes | Call company at (509) 545-3202 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. | Notify the company so they can take action to protect the resources under their control. | Sector MCRM-03 | 4-                       |
| <b>M-328.4R-N</b> | Kennewick Water Treatment Plant<br>46.21479<br>-119.10461  | Notification  | Water Intakes                     | Call city at (509) 585-4419 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.    | Notify the city so they can take action to protect the resources under their control.    | Sector MCRM-05 | 4-                       |
| <b>M-336.1L-N</b> | City of Pasco Water Intake<br>46.26594<br>-119.24100       | Notification  | Water Intakes                     | Call city at (509) 544-4135 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.    | Notify the city so they can take action to protect the resources under their control.    | Sector MCRM-06 | 4-                       |
| <b>M-340.2R-N</b> | City of Richland Water Intake<br>46.31480<br>-119.25971    | Notification  | Water Intakes                     | Call city at (509) 942-7472 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.    | Notify the city so they can take action to protect the resources under their control.    | Sector MCRM-06 | 4-                       |

| Strategy Name     | Location                                                      | Strategy Type | Resources at Risk                              | Implementation                                                                                                                                                                                                                       | Comments                                                                                  | Sector Map     | Strategy Details (Page#) |
|-------------------|---------------------------------------------------------------|---------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>MSN-2.0R-N</b> | Tesoro Pasco Terminal<br>46.21421<br>-119.02790               | Notification  | Economic Resources, Sensitive Resources Nearby | Call the facility at (509) 543-6100 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. | Notify the facility so they can take action to protect the resources under their control. | Sector MCRM-04 | 4-                       |
| <b>MSN-2.8R-N</b> | Tidewater Snake River Terminal<br>46.22324<br>-119.01545      | Notification  | Economic Resources, Sensitive Resources Nearby | Call the facility at (503) 289-4274 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. | Notify the facility so they can take action to protect the resources under their control. | Sector MCRM-04 | 4-                       |
| <b>SIH-9.7M-N</b> | USACE Ice Harbor Dam                                          |               |                                                |                                                                                                                                                                                                                                      |                                                                                           |                |                          |
| <b>YAK-3.5R-N</b> | Badger Mountain Irrigation District<br>46.24592<br>-119.27152 | Notification  | Water Intakes                                  | Call BMID at (509) 628-0777 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.         | Notify the district so they can take action to protect the resources under their control. | Sector MCRM-06 | 4-                       |



## Staging Area Matrices

| Strategy Name      | Location                        | Position               | Nearest Address                               | Contact                                                                | Strategies Served                                                                                                                                       | Comments                                                                                                                                  | Sector Map     | Strategy Details (Page#) |
|--------------------|---------------------------------|------------------------|-----------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>SA-M-292.6L</b> | Oregon Boat Ramp (Lake Wallula) | 45.92679<br>-119.29172 | Deschutes Ave<br>Umatilla, OR 97882           | USACE McNary Dam<br>Control Room<br>Umatilla, OR 97882<br>541-922-2231 | M-292.6L                                                                                                                                                | Public staging area and boat launch on the left bank of the Columbia River (McNary Pool). Notify USACE before staging equipment.          | Sector MCRM-01 | 4-                       |
| <b>SA-M-298.7L</b> | Hat Rock State Park             | 45.91770<br>-119.17445 | Hat Rock State Park Rd<br>Hermiston, OR 97838 | OR State Parks<br>Hat Rock<br>Hermiston, OR 97838<br>541-983-2277      | M-298.7L,<br>M-299.8L,<br>M-299.5M,<br>M-305.9L,<br>M-292.6M,<br>M-292.6R,<br>M-293.7R,<br>M-299.9R,<br>M-302.3R,<br>M-299.4L,<br>M-303.3R,<br>M-304.5R | Public staging area and boat launch on the left bank of the Columbia River (McNary Pool). Notify OR State Parks before staging equipment. | Sector MCRM-01 | 4-                       |

| Strategy Name | Location        | Position               | Nearest Address                              | Contact                                                             | Strategies Served                                                                                                                                                                                                                                                                                       | Comments                                                                                                                            | Sector Map            | Strategy Details (Page#) |
|---------------|-----------------|------------------------|----------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|
| SA-M-324.3R   | Two Rivers Park | 46.18419<br>-119.03252 | 220880 E Finley Rd<br>Kennewick, WA<br>99337 | Benton County<br>Parks Dept.<br>Kennewick, WA 99336<br>509-737-3951 | M-322.6M,<br>M-323.4M,<br>M-323.9M,<br>M-323.5M,<br>M-324.3M,<br>M-324.8R,<br>M-323.1M,<br>M-318.3R,<br>M-321.9L,<br>M-323.2R ,<br>M-325.5R,<br>M-325.6L,<br>M-325.8L,<br>M-326.1M,<br>M-327.1L,<br>M-326.5L,<br>M-330.3R,<br>M-328.9R,<br>M-328.4L,<br>M-328.0L,<br>MSN-0.8M,<br>M-329.0M,<br>M-324.3R | Public staging area<br>and boat launch on<br>the right bank of the<br>Columbia River.<br>Notify county before<br>staging equipment. | Sector<br>MCRM-<br>04 | 4-                       |

| Strategy Name      | Location                   | Position               | Nearest Address                             | Contact                                                                                                 | Strategies Served                                                                                                                                                                                           | Comments                                                                                                                          | Sector Map     | Strategy Details (Page#) |
|--------------------|----------------------------|------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>SA-M-336.4R</b> | Columbia Point Marina Park | 46.26393<br>-119.24997 | 660 Columbia Point Dr<br>Richland, WA 99352 | City of Richland<br>Parks & Public Facilities<br>505 Amon Park Dr<br>Richland, WA 99352<br>509-942-7664 | M-340.7L,<br>M-338.2L,<br>M-336.4R,<br>M-334.5L,<br>M-332.8R,<br>M-336.1R,<br>M-335.0M,<br>YAK-4.2L,<br>M-334.3M,<br>M-334.0R,<br>M-335.8R,<br>YAK-2.1L,<br>M-331.4L,<br>M-333.3M,<br>M-336.7R,<br>M-333.8L | Public staging area and boat launch on the right bank of the Columbia River.<br>Notify City of Richland before staging equipment. | Sector MCRM-06 | 4-                       |
| <b>SA-M-337.8R</b> | Howard Amon Park           | 46.28027<br>-119.27123 | Amon Park Dr<br>Richland, WA 99352          | City of Richland<br>Parks & Public Facilities<br>505 Amon Park Dr<br>Richland, WA 99352<br>509-942-7664 | M-337.3R,<br>M-337.8R                                                                                                                                                                                       | Public staging area and boat launch on the right bank of the Columbia River.<br>Notify City of Richland before staging equipment. | Sector MCRM-06 | 4-                       |
| <b>SA-M-340.1R</b> | Leslie Groves Park         | 46.31443<br>-119.26071 | 50 Snyder St<br>Richland, WA 99354          | City of Richland<br>Parks & Public Facilities<br>505 Amon Park Dr<br>Richland, WA 99352                 | M-340.3R                                                                                                                                                                                                    | Public staging area and boat launch on the right bank of the Columbia River.                                                      | Sector MCRM-06 | 4-                       |

| Strategy Name | Location                             | Position               | Nearest Address                      | Contact                                                                                     | Strategies Served                                                                                                                                                                                                        | Comments                                                                                                                              | Sector Map            | Strategy Details (Page#) |
|---------------|--------------------------------------|------------------------|--------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|
| SA-MSN-2.3L   | Hood Park                            | 46.21458<br>-119.01905 | Hood Park Rd<br>Burbank, WA<br>99323 | USACE<br>Tri-Rivers Natural<br>Resources Mgmt<br>Burbank, WA<br>509-547-2048                | MSN-9.5R,<br>MSN-2.9R,<br>MSN-4.5L,<br>MSN-4.6R,<br>MSN-4.0M,<br>MSN-2.0R,<br>MSN-1.5L,<br>MSN-2.1L,<br>MSN-1.5R,<br>MSN-2.8L,<br>MSN-1.0R,<br>MSN-8.4L,<br>MSN-6.1L                                                     | Public staging area<br>and boat launch on<br>the left bank of the<br>Snake River. Notify<br>USACE before staging<br>equipment.        | Sector<br>MCRM-<br>04 | 4-                       |
| SA-WWR-4.0R   | Madame<br>Dorion<br>Memorial<br>Park | 46.06231<br>-118.90348 | N Shore Rd<br>Burbank, WA<br>99323   | USFWS Mid-Columbia<br>National Wildlife<br>Refuges<br><br>Burbank, WA 99323<br>509-546-8300 | M-317.8M,<br>M-319.2M,<br>M-312.0L,<br>M-317.5R,<br>M-320.6L,<br>M-311.9R,<br>M-311.4R,<br>M-310.3R,<br>M-308.8R,<br>M-309.8R,<br>M-317.0L,<br>WWR-4.0R,<br>M-306.5R,<br>M-310.8R,<br>M-314.6R,<br>WWR-3.8L,<br>WWR-4.2R | Public staging area<br>and boat launch on<br>the right bank of the<br>Walla Walla River.<br>Notify USFWS before<br>staging equipment. | Sector<br>MCRM-<br>03 | 4-                       |

## Boat Launch Matrices

| Strategy Name      | Location                        | Position               | Nearest Address                               | Contact                                                                | Strategies Served                                                                                                                                       | Comments                                                                                                                                  | Sector Map     | Strategy Details (Page#) |
|--------------------|---------------------------------|------------------------|-----------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>BL-M-292.6L</b> | Oregon Boat Ramp (Lake Wallula) | 45.92679<br>-119.29172 | Deschutes Ave<br>Umatilla, OR 97882           | USACE McNary Dam<br>Control Room<br>Umatilla, OR 97882<br>541-922-2231 | M-292.6L                                                                                                                                                | Public staging area and boat launch on the left bank of the Columbia River (McNary Pool). Notify USACE before staging equipment.          | Sector MCRM-01 | 4-                       |
| <b>BL-M-298.7L</b> | Hat Rock State Park             | 45.91770<br>-119.17445 | Hat Rock State Park Rd<br>Hermiston, OR 97838 | OR State Parks<br>Hat Rock<br>Hermiston, OR 97838<br>541-983-2277      | M-298.7L,<br>M-299.8L,<br>M-299.5M,<br>M-305.9L,<br>M-292.6M,<br>M-292.6R,<br>M-293.7R,<br>M-299.9R,<br>M-302.3R,<br>M-299.4L,<br>M-303.3R,<br>M-304.5R | Public staging area and boat launch on the left bank of the Columbia River (McNary Pool). Notify OR State Parks before staging equipment. | Sector MCRM-01 | 4-                       |

| Strategy Name      | Location        | Position               | Nearest Address                              | Contact                                                             | Strategies Served                                                                                                                                                                                                                                                                                       | Comments                                                                                                                            | Sector Map            | Strategy Details (Page#) |
|--------------------|-----------------|------------------------|----------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|
| <b>BL-M-324.3R</b> | Two Rivers Park | 46.18419<br>-119.03252 | 220880 E Finley Rd<br>Kennewick, WA<br>99337 | Benton County<br>Parks Dept.<br>Kennewick, WA 99336<br>509-737-3951 | M-322.6M,<br>M-323.4M,<br>M-323.9M,<br>M-323.5M,<br>M-324.3M,<br>M-324.8R,<br>M-323.1M,<br>M-318.3R,<br>M-321.9L,<br>M-323.2R ,<br>M-325.5R,<br>M-325.6L,<br>M-325.8L,<br>M-326.1M,<br>M-327.1L,<br>M-326.5L,<br>M-330.3R,<br>M-328.9R,<br>M-328.4L,<br>M-328.0L,<br>MSN-0.8M,<br>M-329.0M,<br>M-324.3R | Public staging area<br>and boat launch on<br>the right bank of the<br>Columbia River.<br>Notify county before<br>staging equipment. | Sector<br>MCRM-<br>04 | 4-                       |

| Strategy Name      | Location                   | Position               | Nearest Address                             | Contact                                                                                                 | Strategies Served                                                                                                                                                                                           | Comments                                                                                                                          | Sector Map     | Strategy Details (Page#) |
|--------------------|----------------------------|------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|
| <b>BL-M-336.4R</b> | Columbia Point Marina Park | 46.26393<br>-119.24997 | 660 Columbia Point Dr<br>Richland, WA 99352 | City of Richland<br>Parks & Public Facilities<br>505 Amon Park Dr<br>Richland, WA 99352<br>509-942-7664 | M-340.7L,<br>M-338.2L,<br>M-336.4R,<br>M-334.5L,<br>M-332.8R,<br>M-336.1R,<br>M-335.0M,<br>YAK-4.2L,<br>M-334.3M,<br>M-334.0R,<br>M-335.8R,<br>YAK-2.1L,<br>M-331.4L,<br>M-333.3M,<br>M-336.7R,<br>M-333.8L | Public staging area and boat launch on the right bank of the Columbia River.<br>Notify City of Richland before staging equipment. | Sector MCRM-06 | 4-                       |
| <b>BL-M-337.8R</b> | Howard Amon Park           | 46.28027<br>-119.27123 | Amon Park Dr<br>Richland, WA 99352          | City of Richland<br>Parks & Public Facilities<br>505 Amon Park Dr<br>Richland, WA 99352<br>509-942-7664 | M-337.3R,<br>M-337.8R                                                                                                                                                                                       | Public staging area and boat launch on the right bank of the Columbia River.<br>Notify City of Richland before staging equipment. | Sector MCRM-06 | 4-                       |
| <b>BL-M-340.1R</b> | Leslie Groves Park         | 46.31443<br>-119.26071 | 50 Snyder St<br>Richland, WA 99354          | City of Richland<br>Parks & Public Facilities<br>505 Amon Park Dr<br>Richland, WA 99352                 | M-340.3R                                                                                                                                                                                                    | Public staging area and boat launch on the right bank of the Columbia River.                                                      | Sector MCRM-06 | 4-                       |

| Strategy Name      | Location                       | Position               | Nearest Address                      | Contact                                                                                  | Strategies Served                                                                                                                                                                                                        | Comments                                                                                                                              | Sector Map            | Strategy Details (Page#) |
|--------------------|--------------------------------|------------------------|--------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|
| <b>BL-MSN-2.3L</b> | Hood Park                      | 46.21458<br>-119.01905 | Hood Park Rd<br>Burbank, WA<br>99323 | USACE<br>Tri-Rivers Natural<br>Resources Mgmt<br>Burbank, WA<br>509-547-2048             | MSN-9.5R,<br>MSN-2.9R,<br>MSN-4.5L,<br>MSN-4.6R,<br>MSN-4.0M,<br>MSN-2.0R,<br>MSN-1.5L,<br>MSN-2.1L,<br>MSN-1.5R,<br>MSN-2.8L,<br>MSN-1.0R,<br>MSN-8.4L,<br>MSN-6.1L                                                     | Public staging area<br>and boat launch on<br>the left bank of the<br>Snake River. Notify<br>USACE before staging<br>equipment.        | Sector<br>MCRM-<br>04 | 4-                       |
| <b>BL-WWR-4.0R</b> | Madame Dorion<br>Memorial Park | 46.06231<br>-118.90348 | N Shore Rd<br>Burbank, WA<br>99323   | USFWS Mid-Columbia<br>National Wildlife Refuges<br><br>Burbank, WA 99323<br>509-546-8300 | M-317.8M,<br>M-319.2M,<br>M-312.0L,<br>M-317.5R,<br>M-320.6L,<br>M-311.9R,<br>M-311.4R,<br>M-310.3R,<br>M-308.8R,<br>M-309.8R,<br>M-317.0L,<br>WWR-4.0R,<br>M-306.5R,<br>M-310.8R,<br>M-314.6R,<br>WWR-3.8L,<br>WWR-4.2R | Public staging area<br>and boat launch on<br>the right bank of the<br>Walla Walla River.<br>Notify USFWS before<br>staging equipment. | Sector<br>MCRM-<br>03 | 4-                       |



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**APPENDIX A**

**Response Strategy 2-Pagers**

# McNary Southshore Boat Launch

M-292.6L

**Position - Location:** 45° 55.613', -119° 17.587' 45° 55' 36.8", -119° 17' 35.2" 45.92688, -119.29311 Umatilla

**Strategy Objective:** Collection : Collect oil upstream of the dam and prevent oil from entering the fish ladder.

**Implementation:** Use 1000' of boom to divert oil from the E fish ladder and collect it on the L shore at the Western most corner of the Boat Launch (keep boat launches open).

**Staging Area:** Onsite: BL-M-292.6L/S McNary Dam Lots of parking and several launch ramps on site

**Site Safety:** Slips, Trips Falls, McNary Dam, Water Hazards

**Field Notes:** Launch boat from McNary Dam Southshore boat launch, BL-M-292.6L

**Watercourse:** River - Above a Dam - McNary Pool

**Resources at Risk:** Lock and Dam



## Recommended Equipment

|           |                                                            |
|-----------|------------------------------------------------------------|
| 4 Each    | Anchor - Danforth (or other appropriate type)              |
| 2 Each    | Anchoring System(s)- Shoreside                             |
| 1000 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each    | Bridle(s) - Towing (appropriately sized for boom)          |
| 1 Each    | Vac Truck or Skimmer and Storage                           |
| 1 Each    | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 4 Laborer       |
| 1 Supervisor    |

## McNary Southshore Boat Launch

M-292.6L



M-292.6L Photo: Looking west towards collection area from boat ramp.

### Site Contact

#### USACE

Primary Contact : Tri-Rivers Natural Resources Mgmt

Burbank, WA  
509-547-2048

### Nearest Address

100 Launch Lane  
Umatilla, OR 97882



### Driving Directions

Directions to M/292.6L/McNary Lock & Dam boat launch on the OR side of the Columbia River

1. Starting at I-82 take Exit 1 toward 6th Street
2. Turn right onto 6th St (0.7 mi)
3. Turn left onto Devore Rd (0.7 mi)
4. Turn right toward Deschutes Ave (171 ft )
5. Continue onto Deschutes Ave (0.1 mi)
6. Turn left (20 ft)
7. Turn right (312 ft), destination will be on the left

# USACE McNary Dam Lock

M-292.6M

**Position - Location:** 45° 56.455', -119° 17.866' 45° 56' 27.3", -119° 17' 52.0" 45.94091, -119.29777 Hermiston

**Strategy Objective:** Exclusion : Keep oil out of navigation lock.

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

**Staging Area:** Remote: Stage equipment at SA-M-298.7L Hat Rock State Park (Hat Rock State Park Rd, Hermiston, OR 97838).

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

**Field Notes:** Work with USACE to protect the navigation lock (activate notification strategy M-292.6M-N).

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Lock and Dam



## Recommended Equipment

|     |      |                                                            |
|-----|------|------------------------------------------------------------|
| 2   | Each | Anchoring System(s) - (anchor, lines, floats)              |
| 2   | Each | Anchoring System(s)- Shoreside                             |
| 300 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1   | Each | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |



M-292.6M Photo: From boat, looking south towards lock. Low water conditions (August).

## Site Contact

**USACE McNary Dam**  
Land/Property Contact : Control Room  
  
Umatilla, OR 97882  
541-922-2231

## Nearest Address

Hat Rock State Park Rd  
Hermiston, OR 97838



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hat Rock State Park (SABL-M-298.7L):

1. Head east on Hwy 12 (US-12 E) towards Oregon
2. In Wallula Junction, stay to the right to continue on Hwy 730
3. Stay on Hwy 730 as you cross into Oregon
4. Turn right onto Hat Rock Rd
5. Continue straight to stay on Hat Rock State Park Rd
6. Location is at the end of the road.

# McNary Dam Boat Launch

M-292.6R

**Position - Location:** 45° 56.609', -119° 17.851' 45° 56' 36.6", -119° 17' 51.1" 45.94349, -119.29752 Hermiston

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 700ft boom at anchor point A (in river channel). Then extend remainder to the northwest and secure end near anchor point B (boat launch). Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-298.7L Hat Rock State Park (Hat Rock State Park Rd, Hermiston, OR 97838).

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

**Field Notes:** Notify USACE before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



## Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 7 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 700 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |



## McNary Dam Boat Launch

M-292.6R



M-292.6R Photo: From boat launch, looking east/upriver. Low water conditions (July).

### Site Contact

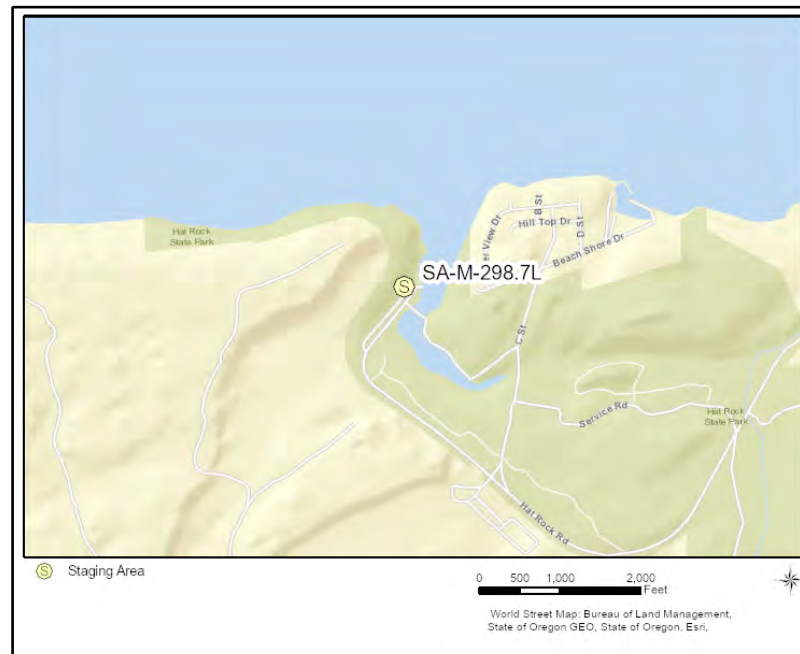
#### USACE McNary Dam

Land/Property Contact : Control Room

Umatilla, OR 97882  
541-922-2231

### Nearest Address

Hat Rock State Park Rd  
Hermiston, OR 97838



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hat Rock State Park (SABL-M-298.7L):

1. Head east on Hwy 12 (US-12 E) towards Oregon
2. In Wallula Junction, stay to the right to continue on Hwy 730
3. Stay on Hwy 730 as you cross into Oregon
4. Turn right onto Hat Rock Rd
5. Continue straight to stay on Hat Rock State Park Rd
6. Location is at the end of the road.

-----  
Address for oil collection:

McNary Rd, Kennewick, WA 99337



# AgriNorthwest

M-293.7R

**Position - Location:** 45° 56.773', -119° 16.532' 45° 56' 46.4", -119° 16' 31.9" 45.94622, -119.27553 Hermiston

**Strategy Objective:** Deflection : Keep oil away from water intake.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A. Extend remainder southwest to anchor point B (river channel). Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-298.7L Hat Rock State Park (Hat Rock State Park Rd, Hermiston, OR 97838).

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

**Field Notes:** AgriNorthwest manages this land including the nearby water intake.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



## Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 8 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |



M-293.7R Photo: From boat, looking northeast towards anchor point A. Low water conditions (August).

#### Site Contact

##### AgriNorthwest

Land/Property Contact :  
509-734-1195

##### USACE McNary Dam

Secondary Contact : Control Room  
541-922-2231

#### Nearest Address

Hat Rock State Park Rd  
Hermiston, OR 97838



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hat Rock State Park (SABL-M-298.7L):

1. Head east on Hwy 12 (US-12 E) towards Oregon
2. In Wallula Junction, stay to the right to continue on Hwy 730
3. Stay on Hwy 730 as you cross into Oregon
4. Turn right onto Hat Rock Rd
5. Continue straight to stay on Hat Rock State Park Rd
6. Location is at the end of the road.

# Hat Rock State Park

M-298.7L

**Position - Location:** 45° 55.275', -119° 10.360' 45° 55' 16.5", -119° 10' 21.6" 45.92125, -119.17266 Hermiston

**Strategy Objective:** Exclusion : Keep oil out of inlet and boat ramp near Hat Rock State Park.

**Implementation:** Deploy 2 - 700' legs of boom in cascading strategy. This will prevent oil from entering while allowing area to be used as a staging area. In the event product enters the exclusion area connect the two sections of boom to fully exclude. Adjust quantity and placement of anchors based on conditions of the day.

**Staging Area:** Onsite: Stage at SA-M-298.7L/Hat Rock

**Site Safety:** Slips, Trips, Falls, Water Hazard, Shallow Water.

**Field Notes:** Launch at BL-M-298.7L/Hat Rock

**Watercourse:** River - Above a Dam - McNary Pool

**Resources at Risk:** Recreational Use Area, Shorebirds, Waterfowl



## Recommended Equipment

|           |                                                            |
|-----------|------------------------------------------------------------|
| 6 Each    | Anchor - Danforth (or other appropriate type)              |
| 2 Each    | Anchoring System(s)- Shoreside                             |
| 1400 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each    | Bridle(s) - Towing (appropriately sized for boom)          |
| 1 Each    | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |

## Hat Rock State Park

M-298.7L



M-298.7L Photo: View of the channel heading into Hat Rock State Park from the boat launch

### Site Contact

### Nearest Address

82200 Hat Rock Road  
Hermiston, OR 97838



### Driving Directions

1. From Pasco take US-395 S
2. Take the exit onto US-12 E toward Walla Walla (16.8 mi)
3. Slight right toward US-730 W (0.2 mi) watch for signs for US 730 W/Pendleton
4. Slight right onto US-730 W Entering Oregon (17.1 mi)
5. Turn right onto Hat Rock Rd and continue to the end (1 mi)

## Channel Upriver of McNary Yacht Club

M-299.4L

**Position - Location:** 45° 55.277', -119° 9.826' 45° 55' 16.6", -119° 9' 49.5" 45.92129, -119.16376 Hermiston

**Strategy Objective:** Collection : Keep oil out of channel upriver of marina.

**Implementation:** Using workboat, anchor 1300ft boom at anchor point A at western tip of island upriver of marina and then tow west to the jetty and anchor at point B. Extend the remainder upstream to the northeast, to create a collection pocket and anchor at point C. Adjust angle of boom, quantity and placement of anchors, based on conditions of the day. Stage skimmer and portable storage at collection point on jetty.

**Staging Area:** Onsite: Stage at McNary Yacht Club/SA-M-299.1L

**Site Safety:** Slips, trips & fall, submerged rocks in channel

**Field Notes:** Launch at McNary Yacht Club/BL-M-299.1L

**Watercourse:** River - Above a Dam - McNary Pool

**Resources at Risk:** Recreational Use Area, Shorebirds, Waterfowl



### Recommended Equipment

|           |                                                            |
|-----------|------------------------------------------------------------|
| 8 Each    | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each    | Anchoring System(s)- Shoreside                             |
| 1300 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each    | Bridle(s) - Towing (appropriately sized for boom)          |
| 1 Each    | Vac Truck or Skimmer and Storage                           |
| 1 Each    | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 4 Laborer       |
| 1 Supervisor    |



## Channel Upriver of McNary Yacht Club

M-299.4L



M-299.4L Photo: View of M-299.4L deployed at McNary Yacht Club - photo taken by C. Keeney via drone

### Site Contact

#### McNary Yacht Club

Land/Property Contact : Lease property for club from  
USACE  
541-567-5603

#### USACE

Land/Property Owner : Tri-Rivers Natural Resources Mgmt  
509-547-2048

### Nearest Address

34099 Beach Shore Dr  
Hermiston, OR 97838



### Driving Directions

#### DIRECTIONS TO STAGING AREA/BOAT LAUNCH

1. Start at I-82, Umatilla, OR 97882
2. Get off on Exit 1 going east on US-730/6th St (7.9 mi)
3. Make sharp left on Hat Rock State Park Rd (0.7 mi)
4. Turn right on C Street
4. Bear right on Beach Shore Dr (0.2 mi)
5. Continue straight to finish at the McNary Yacht Club 34099 Beach Shore Drive, 97838 on your left

## Islands E of Hat Rock State Park

M-299.5M

**Position - Location:** 45° 55.332', -119° 9.466' 45° 55' 19.9", -119° 9' 28.0" 45.92220, -119.15777 Hermiston

**Strategy Objective:** Exclusion : Prevent oil from entering shallow water habitat on Oregon side of river.

**Implementation:** Use 600' of exclusion boom in between islands. Use large trees or rocks on shoreline to secure boom. Attach anchor point A near 45.922, -119.157, tow boom to the west and attach anchor point C on shore of next island downstream, then pull out middle of boom to create the chevron using anchor B. Adjust quantity and placement of anchors based on conditions of the day.

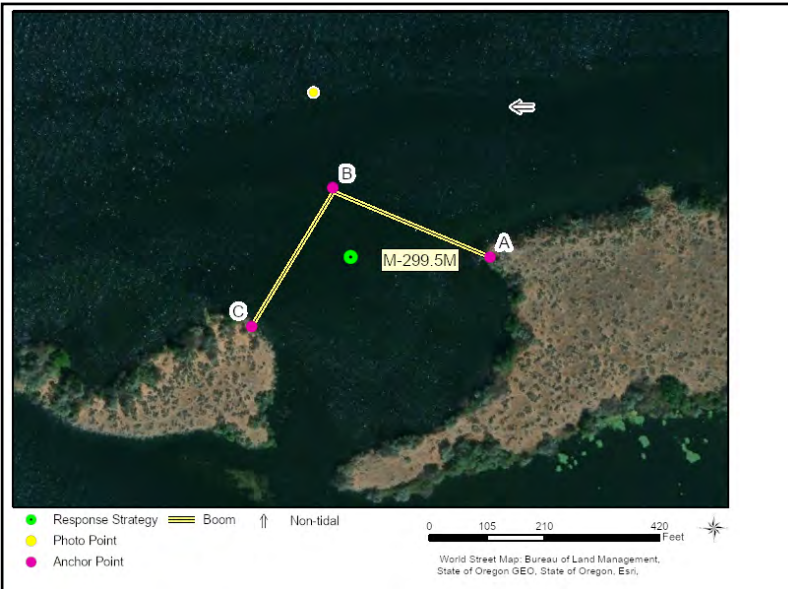
**Staging Area:** Remote: Hat Rock, SA-M-298.7L

**Site Safety:** Slips, Trips, Falls, Water Hazard, Shallow Water, Large underwater rocks on approach.

**Field Notes:** Launch boat from Hat Rock State Park, BL-M-298.7L

**Watercourse:** River - Above a Dam - McNary Pool

**Resources at Risk:** Recreational Use Area, Shorebirds, Waterfowl



### Recommended Equipment

|     |      |                                                            |
|-----|------|------------------------------------------------------------|
| 3   | Each | Anchor - Danforth (or other appropriate type)              |
| 2   | Each | Anchoring System(s)- Shoreside                             |
| 600 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1   | Each | Bridle(s) - Towing (appropriately sized for boom)          |
| 1   | Each | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Islands E of Hat Rock State Park

M-299.5M



M-299.5M Photo: M-299.5M deployed on 9/27/17 photo taken via drone by C. Keeney

### Site Contact

### Nearest Address

82200 Hat Rock Road  
Hermiston, OR 97838



### Driving Directions

#### DIRECTIONS TO STAGING AREA/BOAT LAUNCH (SA-M298.7L & BL-M-298.7L)

1. From Pasco, Head east on Hwy 12 (US-12 E) towards Oregon
2. After 16.2mi, in Wallula Junction, stay to the right to continue on Hwy 730
3. After 5.8mi, stay on Hwy 730 as you cross into Oregon
4. After 11.1mi, turn right onto Hat Rock Road
5. After 0.7mi, continue straight to stay on Hat Rock State Park Road.
6. After 0.5mi, parking area and boat launch are at end of road. Stage equipment in parking area near boat ramp.t



## Third Island E of Hat Rock State Park

M-299.8L

**Position - Location:** 45° 55.354', -119° 9.142' 45° 55' 21.3", -119° 9' 8.5" 45.92257, -119.15237 Hermiston

**Strategy Objective:** Exclusion : Keep oil out from inside of small island on river left

**Implementation:** Using workboat, secure 600ft boom to river left at/near Point A (45.922, -119.15). Extend boom out into the river and downstream to the NW, secure it to the east side of the island at/near Point B (45.923, -119.152). Secure an additional 200ft boom to the W end of same island at/near Point C (45.923, -119.153), then extend it WSW to anchor at/near Point D. Use shoreside anchoring systems or existing features to secure boom to banks. Use in-water anchoring systems as needed to keep boom secure in river. Adjust boom as needed based on stream flow and environmental conditions.

**Staging Area:** Remote: Stage and launch workboat from Hat Rock State Park (SA-M-298.7L & BL-M-298.7L)

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

**Field Notes:** Notify Hat Rock State Park before staging equipment and for access assistance; call 541-910-6285 or 541-983-2277.

**Watercourse:** River - Above a Dam - McNary Pool

**Resources at Risk:** Recreational Use Area, Shorebirds, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 6 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 4 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Bridle(s) - Towing (appropriately sized for boom)          |
| 2 Each   | Heaving Line(s)                                            |
| 1 Each   | Waders                                                     |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



M-299.8L Photo: Photo of the shorelline.

#### Site Contact

#### Nearest Address

82200 Hat Rock Road  
Hermiston, OR 97838



#### Driving Directions

##### DIRECTIONS TO STAGING AREA/BOAT LAUNCH (SA-M298.7L & BL-M-298.7L)

1. From Pasco, Head east on Hwy 12 (US-12 E) towards Oregon
2. After 16.2mi, in Wallula Junction, stay to the right to continue on Hwy 730
3. After 5.8mi, stay on Hwy 730 as you cross into Oregon
4. After 11.1mi, turn right onto Hat Rock Road
5. After 0.7mi, continue straight to stay on Hat Rock State Park Road.
6. After 0.5mi, parking area and boat launch are at end of road. Stage equipment in parking area near boat ramp.

## Rush Canyon

M-299.9R

**Position - Location:** 45° 56.200', -119° 9.049' 45° 56' 12.0", -119° 9' 2.9" 45.93666, -119.15081 Hermiston

**Strategy Objective:** Deflection : Keep oil away from culvert leading to stream and pond.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A. Extend remainder southwest to anchor point B (river channel). Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-298.7L Hat Rock State Park (Hat Rock State Park Rd, Hermiston, OR 97838).

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

**Field Notes:** Farmland Reserve manages this land including the nearby water intake.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Walllula

**Resources at Risk:** Water Intakes



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 8 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



M-299.9R Photo: From boat, looking northwest towards anchor point A. Photo was taken during drill in September 2017.

## Site Contact

**USACE McNary Dam**  
Land/Property Contact : Control Room

Umatilla, OR 97882  
541-922-2231

## Nearest Address

Hat Rock State Park Rd  
Hermiston, OR 97838



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hat Rock State Park (SABL-M-298.7L):

1. Head east on Hwy 12 (US-12 E) towards Oregon
2. In Wallula Junction, stay to the right to continue on Hwy 730
3. Stay on Hwy 730 as you cross into Oregon
4. Turn right onto Hat Rock Rd
5. Continue straight to stay on Hat Rock State Park Rd
6. Location is at the end of the road.

## Warehouse Beach West

M-300.0L

**Position - Location:** 45° 55.209', -119° 8.635' 45° 55' 12.5", -119° 8' 38.1" 45.92015, -119.14391 Hermiston

**Strategy Objective:** Deflection : Prevent oil from entering shallow water habitat, keep boat launch open

**Implementation:** Use 800 feet of boom to deflect oil away from sensitive areas. Adjust quantity and placement of anchors based on conditions of the day.

**Staging Area:** Onsite: SA-M-300L Warehouse Beach Recreation Area

**Site Safety:** Slips, Trips, Falls, Water hazard, shallow water with underwater boulders.

**Field Notes:** Launch boat from Warehouse Recreational Area, BL-M-300L

**Watercourse:** River - Above a Dam - McNary Pool

**Resources at Risk:** Recreational Use Area, Shorebirds, Waterfowl



### Recommended Equipment

|     |      |                                                            |
|-----|------|------------------------------------------------------------|
| 2   | Each | Anchor - Danforth (or other appropriate type)              |
| 1   | Each | Anchoring System(s)- Shoreside                             |
| 800 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1   | Each | Bridle(s) - Towing (appropriately sized for boom)          |
| 1   | Each | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |





M-300.0L Photo: M-300.1L Deflection

#### Site Contact

##### Sand Station Recreation Area

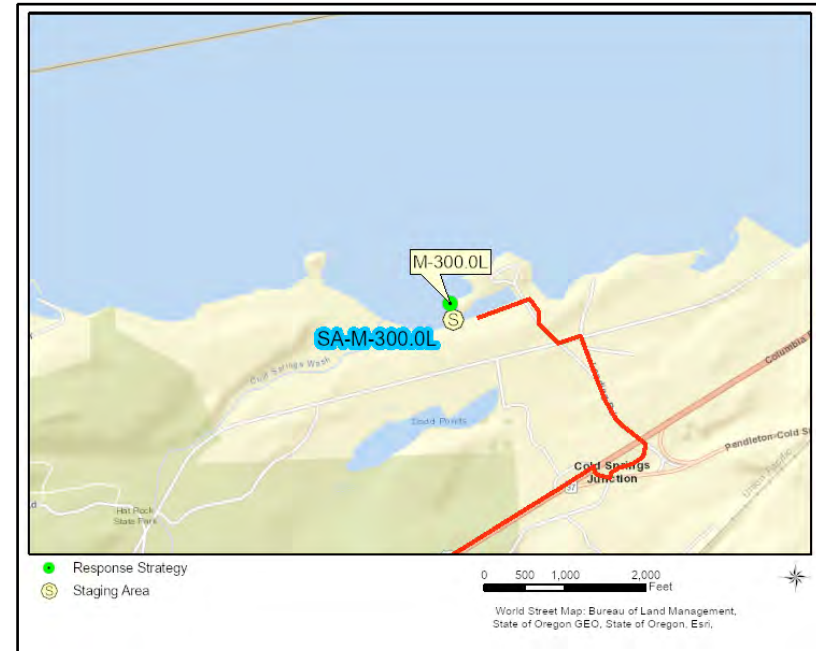
Land/Property Contact :

OR

541-922-2268

#### Nearest Address

Landing Road  
Hermiston, OR 97838



#### Driving Directions

Directions from Umatilla to Warehouse Rec Area boat launch.

1. Starting at I-82 in Umatilla, OR
2. Turn left onto US-395 S/US-730 E/6th St (signs for Mc Nary Dam/Hermiston)  
Continue to follow US-730 E (9.2 mi)
3. Slight right onto OR-37 S (0.2 mi)
4. Turn left onto Landing Rd, Warehouse Beach Recreation Area will be on the right (0.6 mi)

## Warehouse Beach East

M-300.3L

**Position - Location:** 45° 55.310', -119° 8.106' 45° 55' 18.6", -119° 8' 6.4" 45.92183, -119.13510 Hermiston

**Strategy Objective:** Exclusion : Prevent oil from entering shallow water habitat and recreation area on Oregon side of the river.

**Implementation:** 1000' of boom to protect area behind Small Island. Area is very shallow and has many underwater rocks. Recommend skiff to assist larger workboat to secure boom. Adjust quantity and placement of anchors based on conditions of the day.

**Staging Area:** Onsite: Warehouse Beach Recreation Area

**Site Safety:** Slips, Trips, Falls, Water Hazard, Shallow rocky water.

**Field Notes:** Launch boat from Warehouse Recreational Area, BL-M-300L

**Watercourse:** River - Above a Dam - McNary Pool

**Resources at Risk:** Recreational Use Area, Shorebirds, Waterfowl



### Recommended Equipment

|           |                                                            |
|-----------|------------------------------------------------------------|
| 3 Each    | Anchor - Danforth (or other appropriate type)              |
| 2 Each    | Anchoring System(s)- Shoreside                             |
| 1000 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each    | Bridle(s) - Towing (appropriately sized for boom)          |
| 1 Each    | Workboat(s) - of adequate size for type and amount of boom |
| 1 Each    | Workboat(s) - (jon boat)                                   |

### Recommended Personnel

|   |               |
|---|---------------|
| 2 | Boat Operator |
| 4 | Laborer       |
| 1 | Supervisor    |

## Warehouse Beach East

M-300.3L



M-300.3L Photo: M-300.3L Exclusion strategy between small island and shore

### Site Contact

#### Sand Station Recreation Area

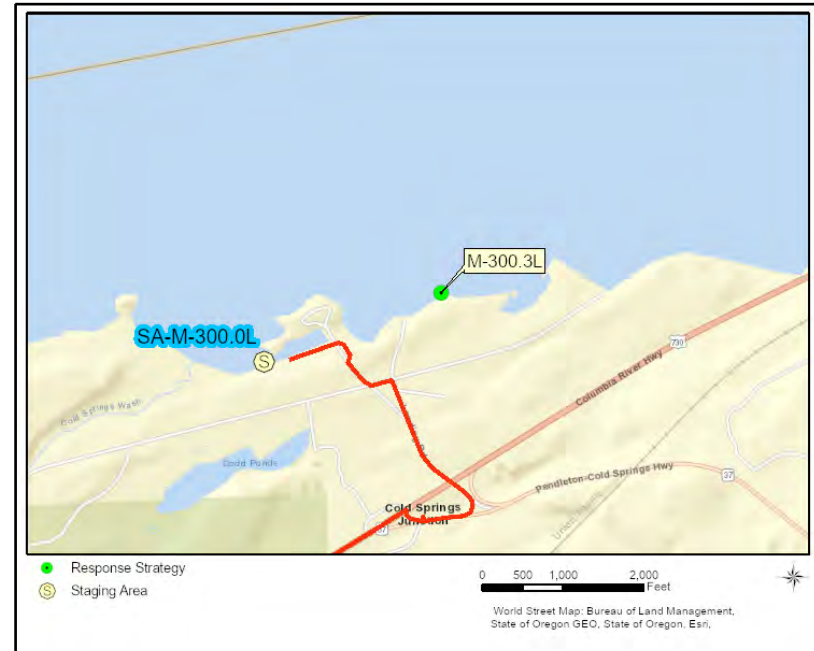
Land/Property Contact :

OR

541-922-2268

### Nearest Address

100 Landing Road  
Hermiston, OR 97838



### Driving Directions

Directions from Umatilla to Warehouse Rec Area boat launch.

1. Starting at I-82 in Umatilla, OR
2. Turn left onto US-395 S/US-730 E/6th St (signs for Mc Nary Dam/Hermiston)  
Continue to follow US-730 E (9.2 mi)
3. Slight right onto OR-37 S (0.2 mi)
4. Turn left onto Landing Rd, Warehouse Beach Recreation Area will be on the right (0.6 mi)



## Peninsula east of Warehouse Beach

M-300.9L

**Position - Location:** 45° 55.371', -119° 7.792' 45° 55' 22.3", -119° 7' 47.5" 45.92285, -119.12986 Hermiston

**Strategy Objective:** Deflection : Prevent oil from entering shallow water habitat on Oregon side of river.

**Implementation:** Deploy 500' of boom to deflect oil away from shallow water habitat. Adjust quantity and placement of anchors based on conditions of the day.

**Staging Area:** Remote: Sand Station Rec Area - bathroom, beach, lots of parking

**Site Safety:** Slips, Trips, Falls, Water hazard, Shallow water, steep bank, stumps

**Field Notes:** Launch boat from Warehouse Recreational Area, BL-M-300L

**Watercourse:** River - Above a Dam - McNary Pool

**Resources at Risk:** Recreational Use Area, Shorebirds, Waterfowl



### Recommended Equipment

|     |      |                                                            |
|-----|------|------------------------------------------------------------|
| 2   | Each | Anchor - Danforth (or other appropriate type)              |
| 1   | Each | Anchoring System(s)- Shoreside                             |
| 500 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1   | Each | Bridle(s) - Towing (appropriately sized for boom)          |
| 1   | Each | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |



M-300.9L Photo: M-300.9L looking toward headland



#### Site Contact

##### Sand Station Recreation Area

Land/Property Contact :

OR

541-922-2268

#### Nearest Address

Landing Road  
Hermiston, OR 97838

#### Driving Directions

Directions from Pasco to Sand Station Rec Area

1. From Pasco take US-395 S
2. Turn right to merge onto I-182 E/US-12 E toward Walla Walla (1.4 mi)
3. Continue onto US-12 E (17.0 mi)
4. Slight right toward US-730 W (0.2 mi)
5. Slight right onto US-730 W Entering Oregon, Sand Station Recreation Area will be on the right (14.8 mi)

## Sand Station Recreation Area- West

M-301.1L

**Position - Location:** 45° 55.370', -119° 7.240' 45° 55' 22.2", -119° 7' 14.4" 45.92284, -119.12066 Hermiston

**Strategy Objective:** Deflection : Prevent oil from entering shallow water habitat on Oregon side of river.

**Implementation:** Use 2 500' lengths of boom to deflect oil into the main channel. Adjust quantity and placement of anchors based on conditions of the day.

**Staging Area:** Onsite: Located at Sand Station Recreation Area - Can stage some equipment in the parking area.

**Site Safety:** Slips, Trips, Falls, Water Hazard, Shallow Water

**Field Notes:** Launch boat from Hat Rock State Park, BL-M-298.7L

**Watercourse:** River - Above a Dam - McNary Pool

**Resources at Risk:** Recreational Use Area, Shorebirds, Waterfowl



### Recommended Equipment

|           |                                                            |
|-----------|------------------------------------------------------------|
| 4 Each    | Anchor - Danforth (or other appropriate type)              |
| 2 Each    | Anchoring System(s)- Shoreside                             |
| 1000 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each    | Bridle(s) - Towing (appropriately sized for boom)          |
| 1 Each    | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 4 | Laborer       |
| 1 | Supervisor    |

## Sand Station Recreation Area- West

M-301.1L



M-301.1L Photo: M-301.1L Sand Station Recreation Area

### Site Contact

#### Sand Station Recreation Area

Land/Property Contact :

OR  
541-922-2268

### Nearest Address

Landing Road  
Hermiston, OR 97838



### Driving Directions

1. From Pasco take US-395 S
2. Turn right to merge onto I-182 E/US-12 E toward Walla Walla (1.4 mi)
3. Continue onto US-12 E (17.0 mi)
4. Slight right toward US-730 W (0.2 mi)
5. Slight right onto US-730 W Entering Oregon, Sand Station Recreation Area will be on the right (14.8 mi)



## Sand Station Recreation Area-East (deflection)

M-301.5L

**Position - Location:** 45° 55.415', -119° 6.863' 45° 55' 24.9", -119° 6' 51.8" 45.92358, -119.11438 Hermiston

**Strategy Objective:** Deflection : Prevent oil from entering shallow water habitat on Oregon side of river.

**Implementation:** Use 700' of boom to deflect oil escaping collection strategy away from Sand Station and irrigation intake. Adjust quantity and placement of anchors based on conditions of the day.

**Staging Area:** Remote: Pump station 1/4 mile east of Sand Station Rec Area - Can stage some equipment on site.

**Site Safety:** Slips, Trips, Falls, Water Hazards

**Field Notes:** Launch boat from Hat Rock State Park, BL-M-298.7L

**Watercourse:** River - Above a Dam - McNary Pool

**Resources at Risk:** Recreational Use Area, Shorebirds, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 3 Each   | Anchor - Danforth (or other appropriate type)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 700 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Bridle(s) - Towing (appropriately sized for boom)          |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

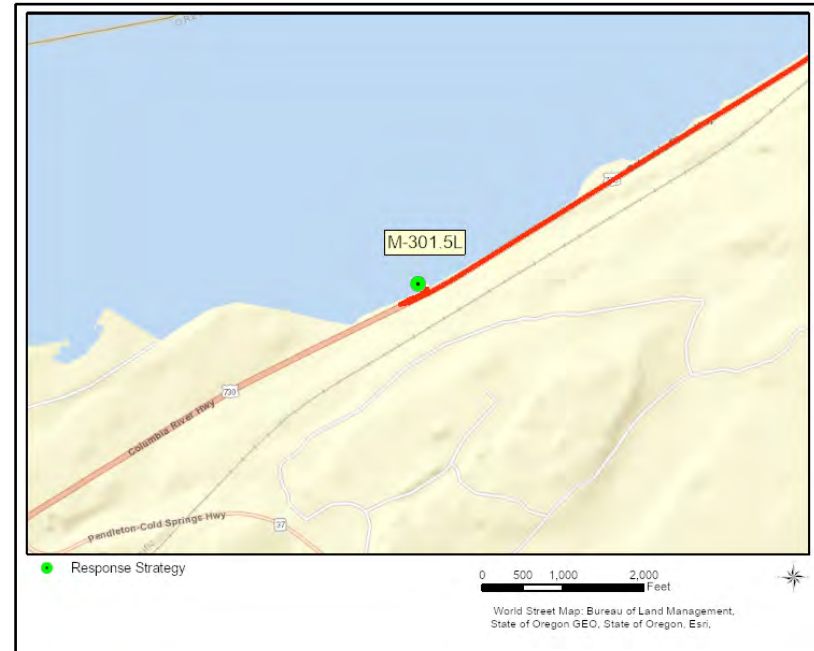
|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Sand Station Recreation Area-East (deflection)

M-301.5L



M-301.5L Photo: M-301.5L



### Site Contact

#### Sand Station Recreation Area

Primary Contact :

OR  
541-922-2268

### Nearest Address

Landing Road  
Hermiston, OR 97838

### Driving Directions

1. From Pasco take US-395 S
2. Turn right to merge onto I-182 E/US-12 E toward Walla Walla (1.4 mi)
3. Continue onto US-12 E (17.0 mi)
4. Slight right toward US-730 W (0.2 mi)
5. Slight right onto US-730 W Entering Oregon Destination will be on the right (13.3 mi)

## Sand Station Recreation Area- East

M-301.6L

**Position - Location:** 45° 55.420', -119° 6.813' 45° 55' 25.2", -119° 6' 48.8" 45.92366, -119.11355 Hermiston

**Strategy Objective:** Collection : Collect oil moving downstream

**Implementation:** Use 500' of boom using the driveway and parking area of private irrigation intake for vacuum truck. Adjust quantity and placement of anchors based on conditions of the day.

**Staging Area:** Onsite: Pump station 1/4 mile east of Sand Station Rec Area - Can stage some equipment on site.

**Site Safety:** Slips, Trips, Falls, Water Hazard

**Field Notes:** Use Hat Rock State Park for boat launch, BL-M-298.7L

**Watercourse:** River - Above a Dam - McNary Pool

**Resources at Risk:** Recreational Use Area, Shorebirds, Waterfowl



### Recommended Equipment

|     |      |                                                            |
|-----|------|------------------------------------------------------------|
| 2   | Each | Anchor - Danforth (or other appropriate type)              |
| 1   | Each | Anchoring System(s)- Shoreside                             |
| 500 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1   | Each | Bridle(s) - Towing (appropriately sized for boom)          |
| 1   | Each | Vac Truck or Skimmer and Storage (if collection)           |
| 1   | Each | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |

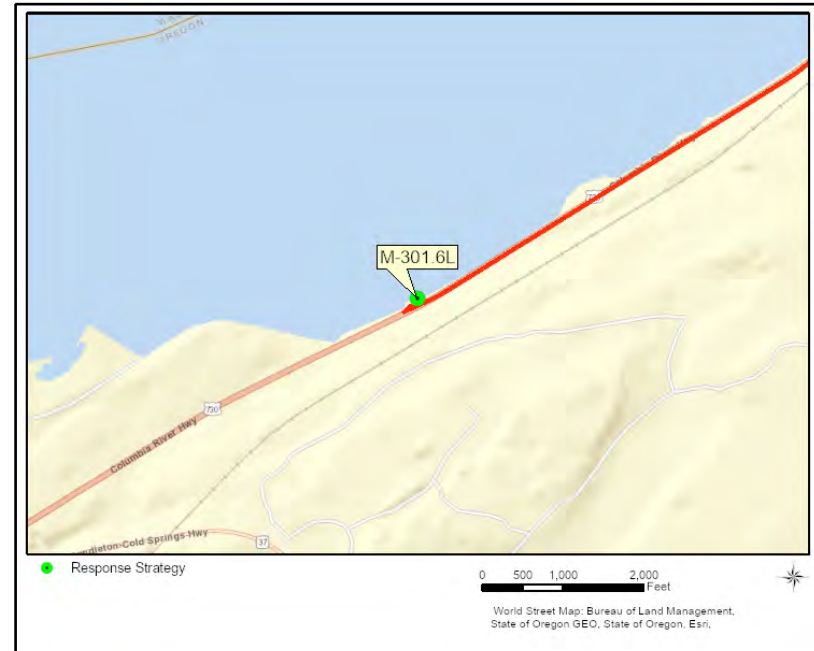


## Sand Station Recreation Area- East

M-301.6L



M-301.6L Photo: M-301.6L



### Site Contact

#### Sand Station Recreation Area

Land/Property Contact :

OR

541-922-2268

### Nearest Address

Landing Road  
Hermiston, OR 97838

### Driving Directions

1. From Pasco take US-395 S
2. Turn right to merge onto I-182 E/US-12 E toward Walla Walla (1.4 mi)
3. Continue onto US-12 E (17.0 mi)
4. Slight right toward US-730 W (0.2 mi)
5. Slight right onto US-730 W Entering Oregon Destination will be on the right (13.3 mi)

# Switzler Canyon

M-302.3R

**Position - Location:** 45° 56.702', -119° 6.538' 45° 56' 42.1", -119° 6' 32.3" 45.94504, -119.10896 Hermiston

**Strategy Objective:** Exclusion : Keep oil away from culvert leading to stream and pond.

**Implementation:** Using workboat, deploy 100ft boom at anchor point A. Extend remainder west to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-298.7L Hat Rock State Park (Hat Rock State Park Rd, Hermiston, OR 97838).

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

**Field Notes:** Notify BNSF before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



## Recommended Equipment

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

## Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 2 Laborer       |
| 1 Supervisor    |



M-302.3R Photo: From boat, looking north towards culvert (obscured by vegetation). Low water conditions (August).

## Site Contact

### BNSF Railway

Emergency Contact : Service Interruption Desk  
817-352-2832

### USACE

Land/Property Contact : Tri-Rivers Natural Resources Mgmt  
509-547-2048

## Nearest Address

Hat Rock State Park Rd  
Hermiston, OR 97838



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hat Rock State Park (SABL-M-298.7L):

1. Head east on Hwy 12 (US-12 E) towards Oregon
2. In Wallula Junction, stay to the right to continue on Hwy 730
3. Stay on Hwy 730 as you cross into Oregon
4. Turn right onto Hat Rock Rd
5. Continue straight to stay on Hat Rock State Park Rd
6. Location is at the end of the road.

## Downriver of Van Skinner Island

M-303.3R

**Position - Location:** 45° 57.454', -119° 4.824' 45° 57' 27.3", -119° 4' 49.4" 45.95757, -119.08040 Hermiston

**Strategy Objective:** Exclusion : Keep oil away from culvert leading to pond.

**Implementation:** Using workboat, deploy 100ft boom at anchor point A. Extend remainder southwest to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-298.7L Hat Rock State Park (Hat Rock State Park Rd, Hermiston, OR 97838).

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

**Field Notes:** Notify BNSF before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

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

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 2 Laborer       |
| 1 Supervisor    |





M-303.3R Photo: From boat, looking north towards culvert. Low water conditions (August).

#### Site Contact

##### BNSF Railway

Land/Property Owner : Service Interruption Desk

Fort Worth, TX 76131  
817-352-2832

#### Nearest Address

Hat Rock State Park Rd  
Hermiston, OR 97838



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hat Rock State Park (SABL-M-298.7L):

1. Head east on Hwy 12 (US-12 E) towards Oregon
2. In Wallula Junction, stay to the right to continue on Hwy 730
3. Stay on Hwy 730 as you cross into Oregon
4. Turn right onto Hat Rock Rd
5. Continue straight to stay on Hat Rock State Park Rd
6. Location is at the end of the road.

## Downriver of Spaw Canyon

M-304.5R

**Position - Location:** 45° 57.967', -119° 3.626' 45° 57' 58.0", -119° 3' 37.5" 45.96612, -119.06043 Hermiston

**Strategy Objective:** Exclusion : Keep oil away from culvert leading to pond.

**Implementation:** Using workboat, deploy 100ft boom at anchor point A. Extend remainder southwest to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-298.7L Hat Rock State Park (Hat Rock State Park Rd, Hermiston, OR 97838).

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

**Field Notes:** Notify BNSF before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

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

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 2 Laborer       |
| 1 Supervisor    |



M-304.5R Photo: From boat, looking northwest towards culvert. Low water conditions (August).

## Site Contact

### BNSF Railway

Land/Property Owner : Service Interruption Desk

Fort Worth, TX 76131  
817-352-2832

## Nearest Address

Hat Rock State Park Rd  
Hermiston, OR 97838



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hat Rock State Park (SABL-M-298.7L):

1. Head east on Hwy 12 (US-12 E) towards Oregon
2. In Wallula Junction, stay to the right to continue on Hwy 730
3. Stay on Hwy 730 as you cross into Oregon
4. Turn right onto Hat Rock Rd
5. Continue straight to stay on Hat Rock State Park Rd
6. Location is at the end of the road.



# Juniper Canyon

M-305.9L

**Position - Location:** 45° 57.499', -119° 2.248' 45° 57' 30.0", -119° 2' 14.9" 45.95832, -119.03746 Hermiston

**Strategy Objective:** Exclusion : Prevent oil from entering wetlands

**Implementation:** Use 300' to create a chevron that will keep oil out of the wetland. Adjust quantity and placement of anchors based on conditions of the day.

**Staging Area:** Remote: SA-M-298.7L Hat Rock Park

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

**Field Notes:** Limited access by land from Highway 730. Launch boat from Hat Rock State Park, BL-M-298.7L

**Watercourse:** River - Above a Dam - McNary Pool

**Resources at Risk:** Recreational Use Area, Waterfowl



## Recommended Equipment

|     |      |                                                            |
|-----|------|------------------------------------------------------------|
| 1   | Each | Anchor - Danforth (or other appropriate type)              |
| 2   | Each | Anchoring System(s)- Shoreside                             |
| 300 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1   | Each | Bridle(s) - Towing (appropriately sized for boom)          |
| 1   | Each | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |



M-305.9L Photo: Area to be boomed off.

## Site Contact

## Nearest Address

Hat Rock State Park Rd  
Hermiston, OR 97838



## Driving Directions

Directions from Pasco to Hat Rock State Park boat launch.

1. From Pasco take US-395 S
2. Take the exit onto US-12 E toward Walla Walla (16.8 mi)
3. Slight right toward US-730 W (0.2 mi) watch for signs for US 730 W/Pendleton
4. Slight right onto US-730 W Entering Oregon (17.1 mi)
5. Turn right onto Hat Rock Rd and continue to the end (1 mi)

## Pond Upriver of Spaw Canyon

M-306.5R

**Position - Location:** 45° 58.855', -119° 1.182' 45° 58' 51.3", -119° 1' 10.9" 45.98092, -119.01970 Burbank

**Strategy Objective:** Exclusion : Keep oil away from culvert leading to pond.

**Implementation:** Using workboat, deploy 100ft boom at anchor point A. Extend remainder southwest to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** Notify BNSF before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

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

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 2 Laborer       |
| 1 Supervisor    |

## Pond Upriver of Spaw Canyon

M-306.5R



M-306.5R Photo: From boat, looking northwest towards culvert. Low water conditions (August).

### Site Contact

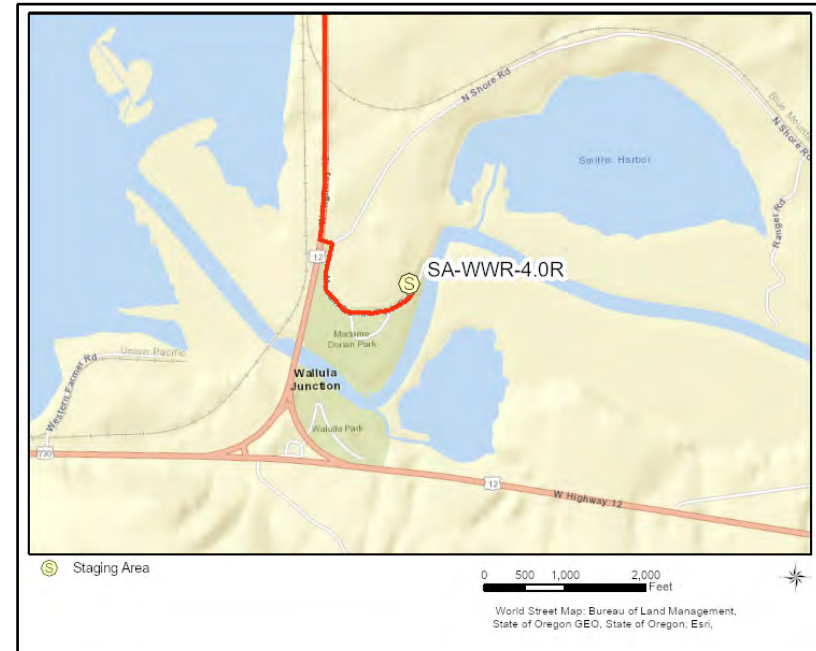
#### BNSF Railway

Land/Property Owner : Service Interruption Desk

Fort Worth, TX 76131  
817-352-2832

### Nearest Address

N Shore Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Madame Dorion Memorial Park (SABL-WWR-4.0R):

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madame Dorion boat launch on the right



## Unnamed Pond

M-308.8R

**Position - Location:** 45° 59.555', -119° .278' 45° 59' 33.3", -119° 0' 16.7" 45.99259, -119.00463 Burbank

**Strategy Objective:** Exclusion : Keep oil away from culvert leading to pond.

**Implementation:** Using workboat, deploy 100ft boom at anchor point A. Extend remainder southwest to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** Confirm location of culvert before anchoring boom. Notify BNSF before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

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

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |

## Unnamed Pond

M-308.8R



M-308.8R Photo: From boat, looking southwest/downriver towards culvert. Low water conditions (August).

### Site Contact

#### **BNSF Railway**

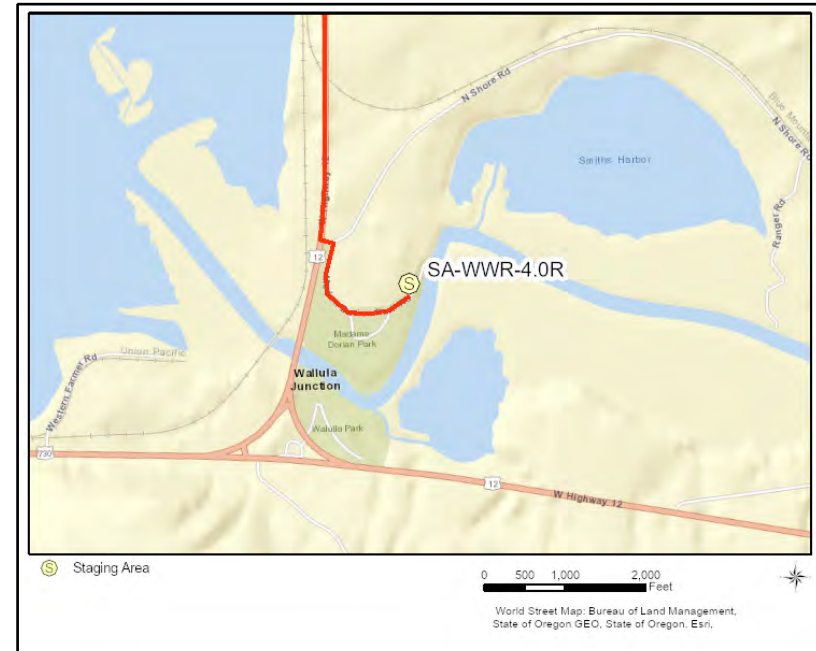
Emergency Contact : Service Interruption Desk  
817-352-2832

#### **USACE**

Land/Property Contact : Tri-Rivers Natural Resources Mgmt  
509-547-2048

### Nearest Address

N Shore Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Madame Dorion Memorial Park (SABL-WWR-4.0R):

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madame Dorion boat launch on the right

## Palmer Pond

M-309.8R

**Position - Location:** 46° .236', -118° 59.800' 46° 0' 14.2", -118° 59' 48.0" 46.00394, -118.99667 Burbank

**Strategy Objective:** Exclusion : Keep oil away from culvert leading to pond.

**Implementation:** Using workboat, deploy 100ft boom at anchor point A. Extend remainder south to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** Notify BNSF before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

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

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |





M-309.8R Photo: From boat, looking west towards culvert (downriver is to the left). Low water conditions (August).

## Site Contact

### BNSF Railway

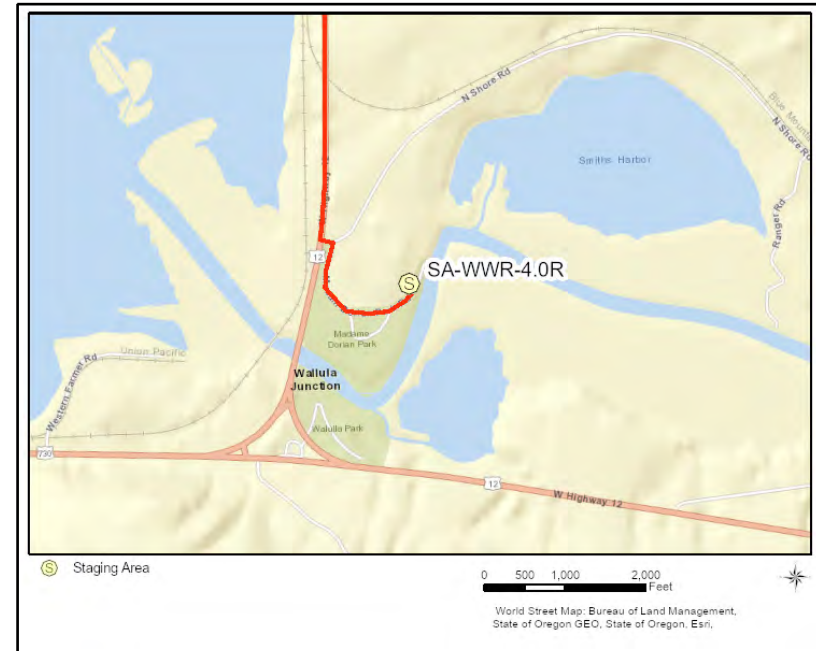
Emergency Contact : Service Interruption Desk  
817-352-2832

### USACE

Land/Property Contact : Tri-Rivers Natural Resources Mgmt  
509-547-2048

## Nearest Address

N Shore Rd  
Burbank, WA 99323



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Madame Dorion Memorial Park (SABL-WWR-4.0R):

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madame Dorion boat launch on the right

## Switch Pond

M-310.3R

**Position - Location:** 46° .614', -118° 59.362' 46° 0' 36.9", -118° 59' 21.7" 46.01024, -118.98936 Burbank

**Strategy Objective:** Exclusion : Keep oil away from culvert leading to pond.

**Implementation:** Using workboat, deploy 100ft boom at anchor point A. Extend remainder southwest to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

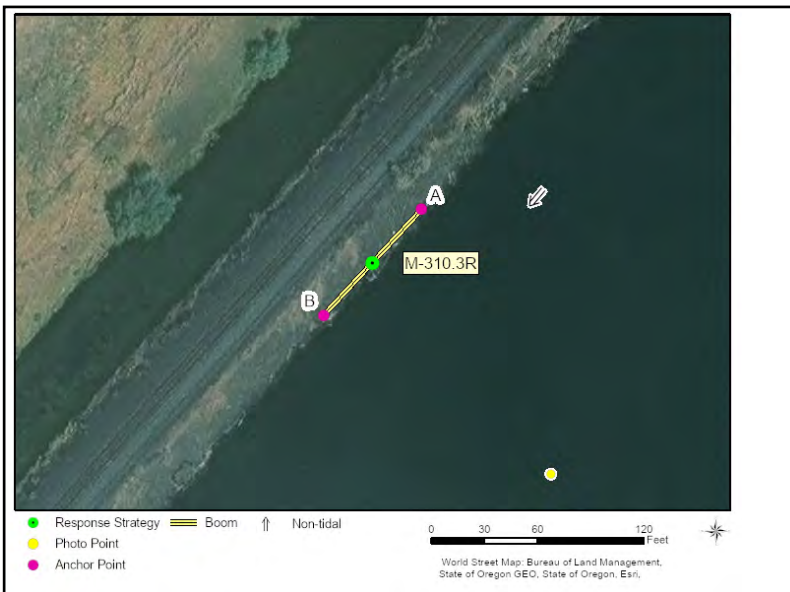
**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** Notify BNSF before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

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

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |

## Switch Pond

M-310.3R



M-310.3R Photo: From boat, looking northwest towards culvert (downriver is to the left). Low water conditions (August).

### Site Contact

#### BNSF Railway

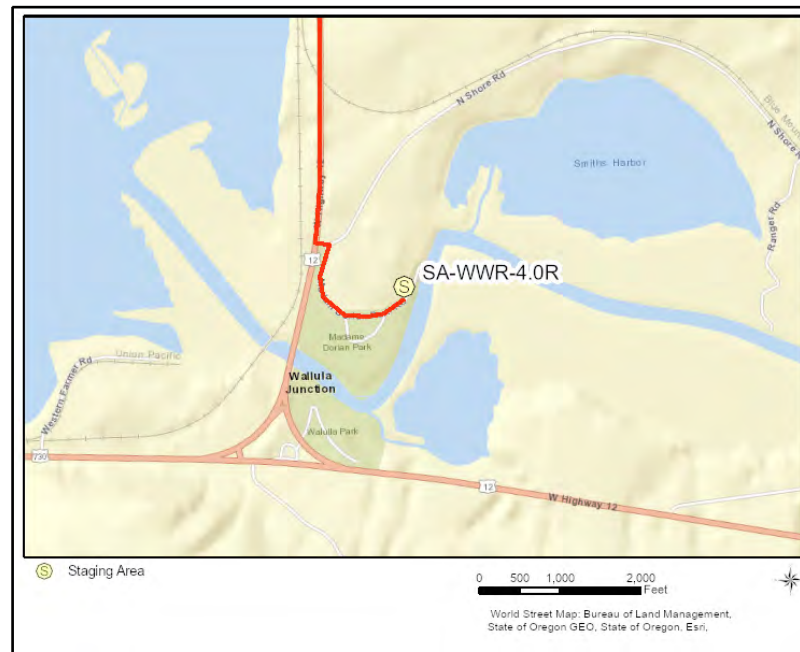
Emergency Contact : Service Interruption Desk  
817-352-2832

#### USACE

Land/Property Contact : Tri-Rivers Natural Resources Mgmt  
509-547-2048

### Nearest Address

N Shore Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Madame Dorion Memorial Park (SABL-WWR-4.0R):

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madame Dorion boat launch on the right

## Yellepit Pond (Downriver)

M-310.8R

**Position - Location:** 46° 1.059', -118° 58.735' 46° 1' 3.5", -118° 58' 44.1" 46.01765, -118.97891 Burbank

**Strategy Objective:** Exclusion : Keep oil away from culvert leading to pond.

**Implementation:** Using workboat, deploy 100ft boom at anchor point A. Extend remainder southwest to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** Notify BNSF before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

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

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |





M-310.8R Photo: From boat, looking northwest towards culvert (downriver is to the left). Low water conditions (August).

## Site Contact

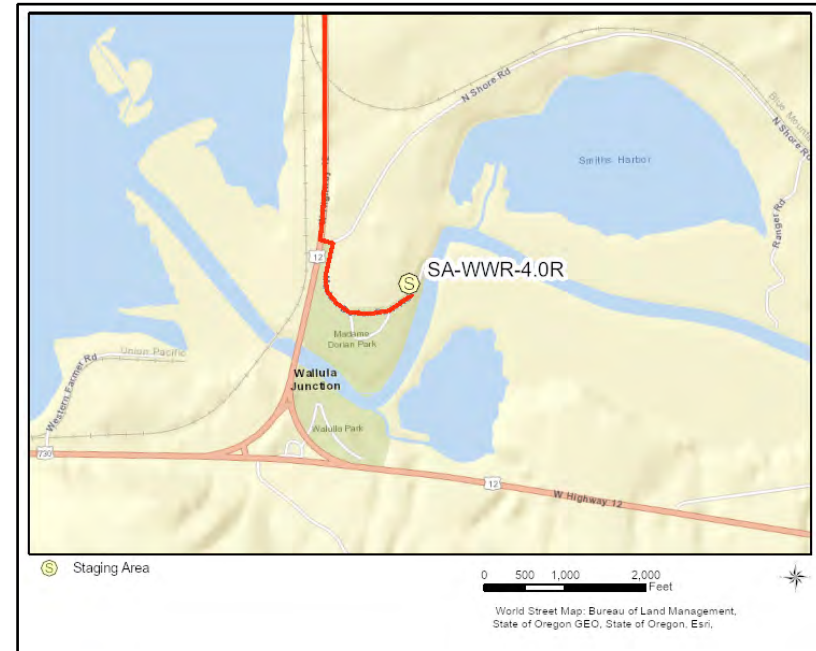
### BNSF Railway

Land/Property Owner : Service Interruption Desk

Fort Worth, TX 76131  
817-352-2832

## Nearest Address

N Shore Rd  
Burbank, WA 99323



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Madame Dorion Memorial Park (SABL-WWR-4.0R):

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madame Dorion boat launch on the right

## Yellepit Pond (Upriver)

M-311.4R

**Position - Location:** 46° 1.319', -118° 58.366' 46° 1' 19.1", -118° 58' 22.0" 46.02198, -118.97277 Burbank

**Strategy Objective:** Exclusion : Keep oil away from culvert leading to pond.

**Implementation:** Using workboat, deploy 100ft boom at anchor point A. Extend remainder southwest to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** Notify BNSF before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

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

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 2 Laborer       |
| 1 Supervisor    |

## Yellepit Pond (Upriver)

M-311.4R



M-311.4R Photo: From boat, looking north towards culvert (downriver is to the left). Low water conditions (August).

### Site Contact

#### BNSF Railway

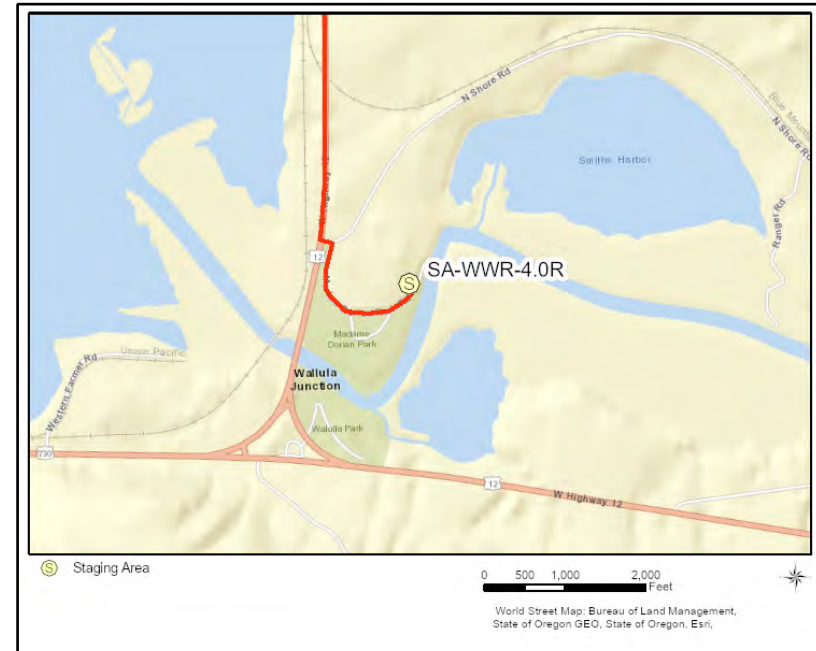
Emergency Contact : Service Interruption Desk  
817-352-2832

#### USACE

Land/Property Contact : Tri-Rivers Natural Resources Mgmt  
509-547-2048

### Nearest Address

N Shore Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Madame Dorion Memorial Park (SABL-WWR-4.0R):

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madame Dorion boat launch on the right



# Mound Pond

M-311.9R

**Position - Location:** 46° 1.655', -118° 57.887' 46° 1' 39.3", -118° 57' 53.2" 46.02759, -118.96478 Burbank

**Strategy Objective:** Exclusion : Keep oil away from culvert leading to pond.

**Implementation:** Using workboat, deploy 100ft boom at anchor point A. Extend remainder southwest to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** Notify BNSF before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



## Recommended Equipment

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

## Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 2 Laborer       |
| 1 Supervisor    |



M-311.9R Photo: From boat, looking north towards culvert (downriver is to the left). Low water conditions (August).

#### Site Contact

##### BNSF Railway

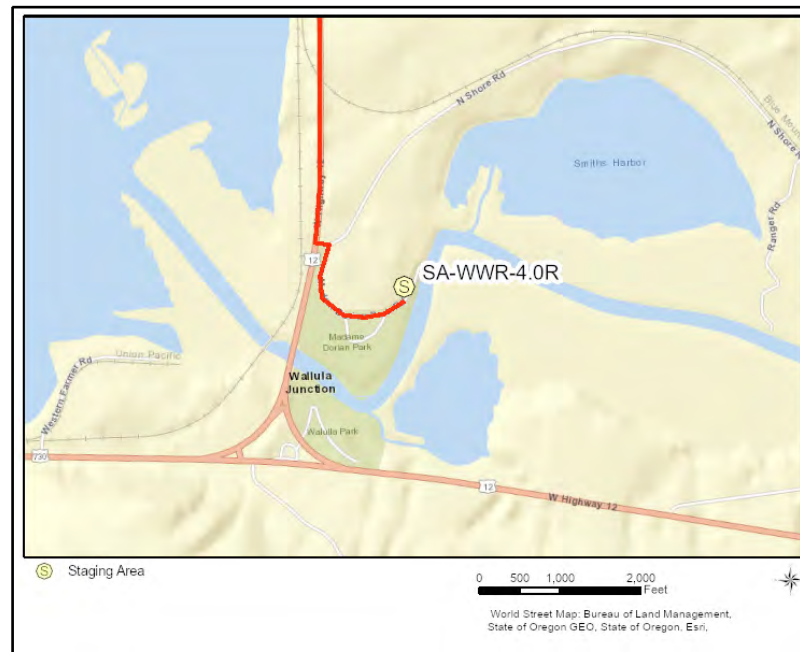
Emergency Contact : Service Interruption Desk  
817-352-2832

##### USACE

Land/Property Contact : Tri-Rivers Natural Resources Mgmt  
509-547-2048

#### Nearest Address

N Shore Rd  
Burbank, WA 99323



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Madame Dorion Memorial Park (SABL-WWR-4.0R):

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madame Dorion boat launch on the right

## Port Kelley

M-312.0L

**Position - Location:** 46° 1.374', -118° 56.614' 46° 1' 22.4", -118° 56' 36.9" 46.02290, -118.94357 Burbank

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 1100ft boom at anchor point A (in river channel). Then extend remainder to the south and secure end near anchor point B (riverbank). Finally place an additional 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** Northwest Grain Growers owns this location (and USACE manages an adjacent property). Notify the company before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

|      |      |                                                            |
|------|------|------------------------------------------------------------|
| 10   | Each | Anchoring System(s) - (anchor, lines, floats)              |
| 2    | Each | Anchoring System(s)- Shoreside                             |
| 1200 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1    | Each | Vac Truck or Skimmer and Storage                           |
| 1    | Each | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 4 | Laborer       |
| 1 | Supervisor    |



M-312.0L Photo: From riverbank, looking north (downriver is to the left). Medium water conditions (October).

## Site Contact

### Northwest Grain Growers

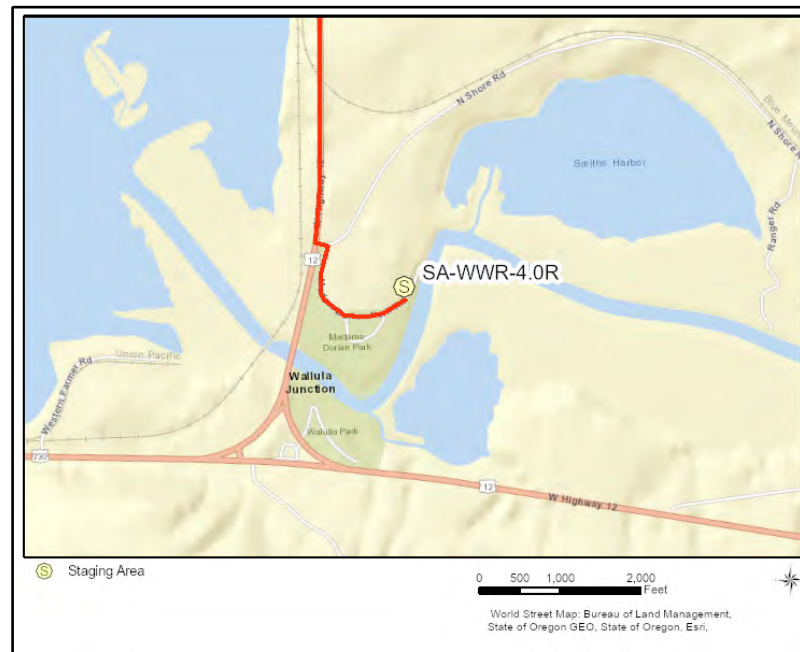
Land/Property Owner : Port Kelly  
509-593-5851

### USACE

Land/Property Contact : Tri-Rivers Natural Resources Mgmt  
509-547-2048

## Nearest Address

N Shore Rd  
Burbank, WA 99323



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Madame Dorion Memorial Park (SABL-WWR-4.0R):

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madame Dorion boat launch on the right

-----  
Address for oil collection:

299 Port Kelley Rd, Wallula, WA 99363



## Pond Upriver of Wallula Gap

M-314.6R

**Position - Location:** 46° 3.795', -118° 57.068' 46° 3' 47.7", -118° 57' 4.1" 46.06325, -118.95114 Burbank

**Strategy Objective:** Exclusion : Keep oil away from culvert leading to pond.

**Implementation:** Using workboat, deploy 100ft boom at anchor point A. Extend remainder south to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** Notify BNSF before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

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

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |

## Pond Upriver of Wallula Gap

M-314.6R



M-314.6R Photo: From boat, looking west towards culvert (downriver is to the left). Low water conditions (August).

### Site Contact

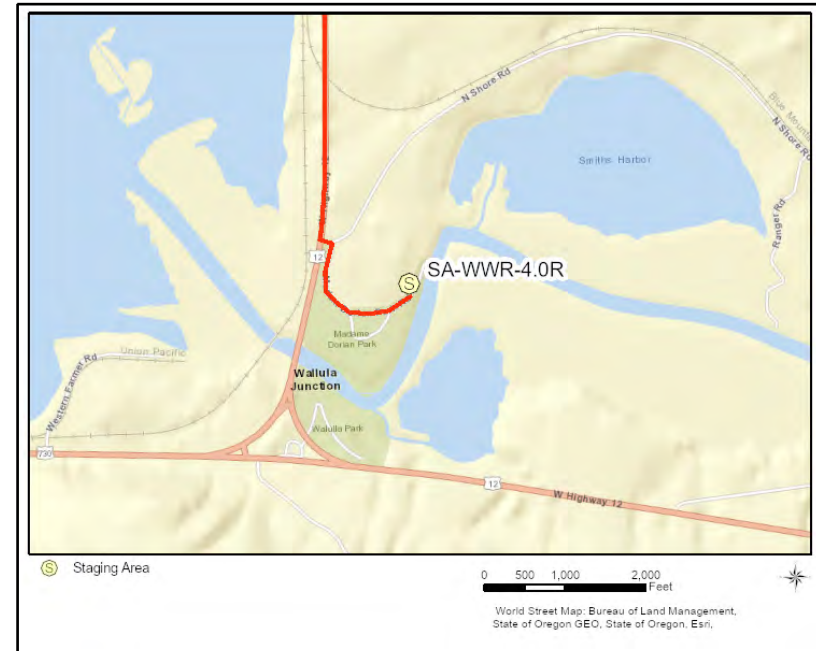
#### BNSF Railway

Land/Property Owner : Service Interruption Desk

Fort Worth, TX 76131  
817-352-2832

### Nearest Address

N Shore Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Madame Dorion Memorial Park (SABL-WWR-4.0R):

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madame Dorion boat launch on the right



# Attalia

M-317.0L

**Position - Location:** 46° 6.514', -118° 55.405' 46° 6' 30.8", -118° 55' 24.3" 46.10856, -118.92342 Wallula

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A (in river channel). Then extend remainder to the southwest and secure end near anchor point B (riverbank). Finally place an additional 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** This site is part of the Packaging Corporation of America facility. Notify company before deployment - and activate the notification strategy.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



## Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 8 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 900 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage (if collection)           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



M-317.0L Photo: From boat, looking southeast towards riverbank where oil collection can occur (downriver is to the right). Low water conditions (August).

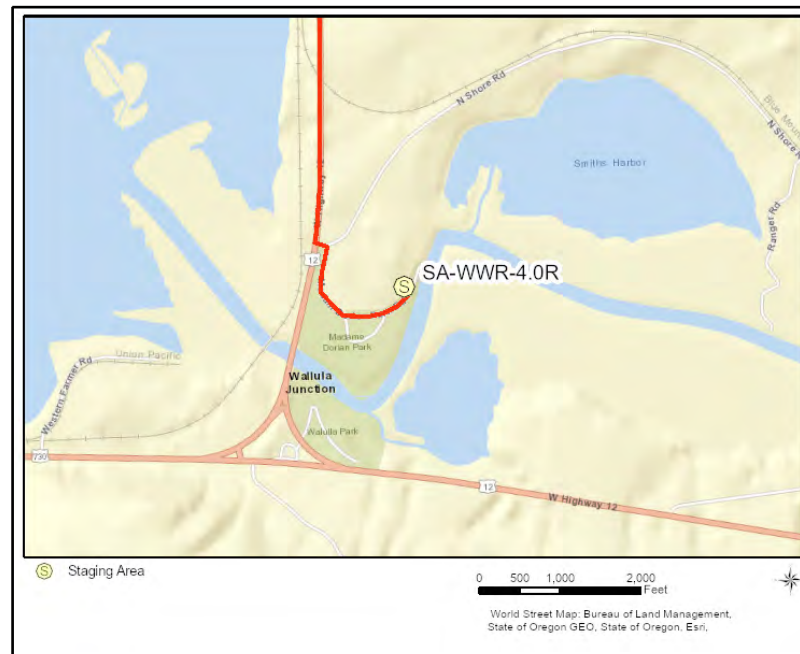
#### Site Contact

**Packaging Corporation of America**  
Land/Property Owner :

Wallula, WA 99363  
509-545-3202

#### Nearest Address

N Shore Rd  
Burbank, WA 99323



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Madame Dorian Memorial Park (SABL-WWR-4.0R):

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madam Dorian boat launch on the right

-----  
Address for oil collection:

270 Depot Rd, Burbank, WA 99323

## Hover Park (Downriver)

M-317.5R

**Position - Location:** 46° 6.112', -118° 58.004' 46° 6' 6.7", -118° 58' .3" 46.10186, -118.96674 Burbank

**Strategy Objective:** Exclusion : Keep oil away from park riverbank.

**Implementation:** Using workboat, deploy 900ft boom at anchor point A. Extend remainder southwest to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** This location is part of a federal public recreation area. Notify USACE before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Raptors, Recreational Use Area, Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 8 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 900 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Hover Park (Downriver)

M-317.5R

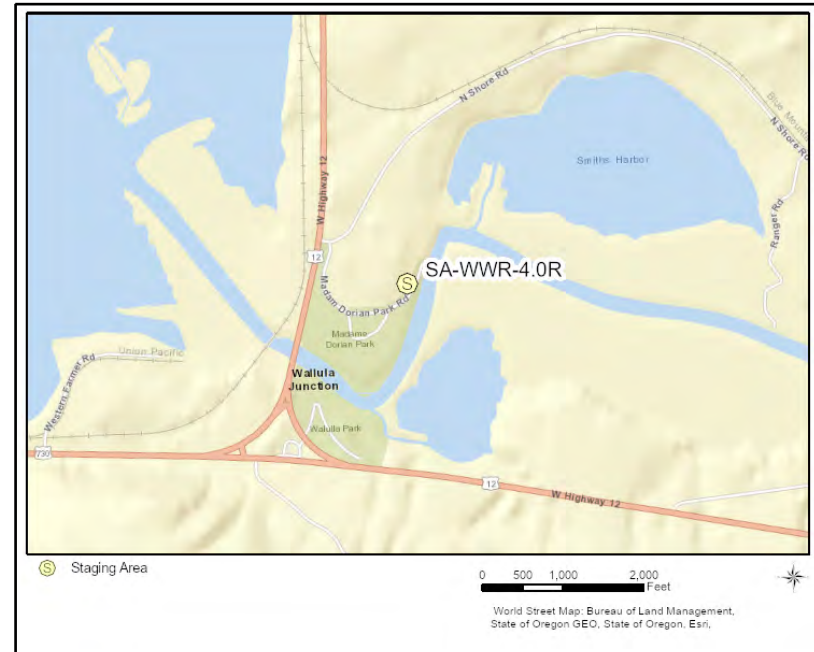


M-317.5R Photo: From above the river, looking west into backwater area (downriver is to the left). High water conditions.

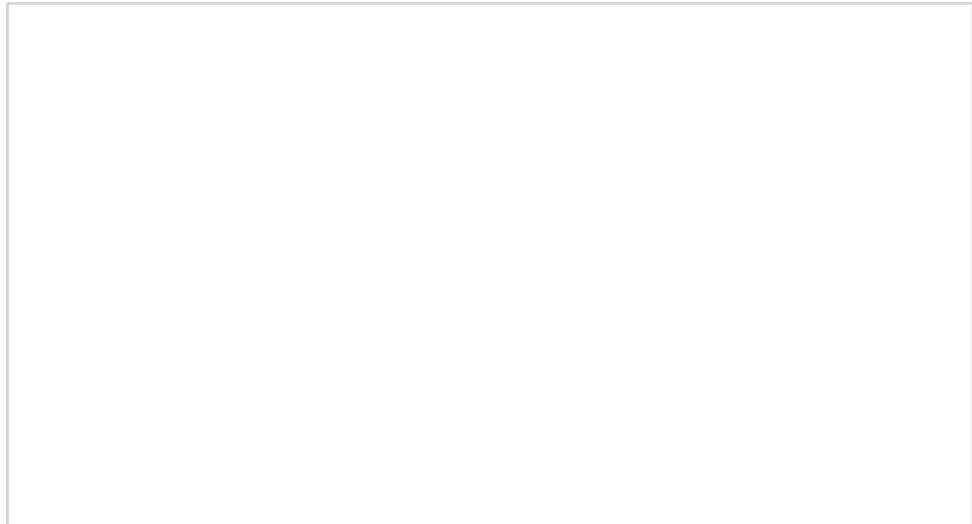
### Site Contact

### Nearest Address

N Shore Rd  
Burbank, WA 99323



### Driving Directions



## Badger Island

M-317.8M

**Position - Location:** 46° 6.809', -118° 56.407' 46° 6' 48.6", -118° 56' 24.4" 46.11349, -118.94011 Burbank

**Strategy Objective:** Deflection : Keep oil away from island.

**Implementation:** Using workboat, deploy 1000ft boom at anchor point A. Then extend boom east and secure end near anchor point C. Near boom midpoint, use workboat to pull boom north, creating a chevron, and anchor near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** The area is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Resident Fish, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge



### Recommended Equipment

|      |      |                                                            |
|------|------|------------------------------------------------------------|
| 11   | Each | Anchoring System(s) - (anchor, lines, floats)              |
| 1000 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1    | Each | Bridle(s) - Towing (appropriately sized for boom)          |
| 1    | Each | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 4 | Laborer       |
| 1 | Supervisor    |



## Badger Island

M-317.8M



M-317.8M Photo: From the river, looking south towards the island. High water conditions (August).

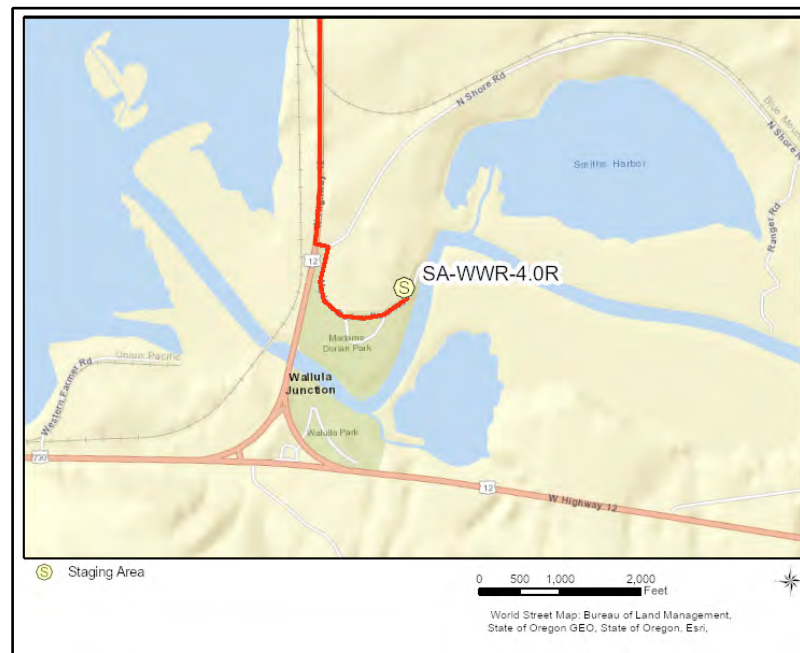
### Site Contact

**USFWS Mid-Columbia National Wildlife Refuges**  
Land/Property Contact :

Burbank, WA 99323  
208-252-0805

### Nearest Address

N Shore Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Madame Dorian Memorial Park (SABL-WWR-4.0R):

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madam Dorian boat launch on the right



## Hover Park (Upriver)

M-318.3R

**Position - Location:** 46° 7.162', -118° 58.516' 46° 7' 9.7", -118° 58' 30.9" 46.11937, -118.97526 Kennewick

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A (in river channel). Then extend remainder to the southwest and secure end near anchor point B (riverbank). Finally place an additional 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

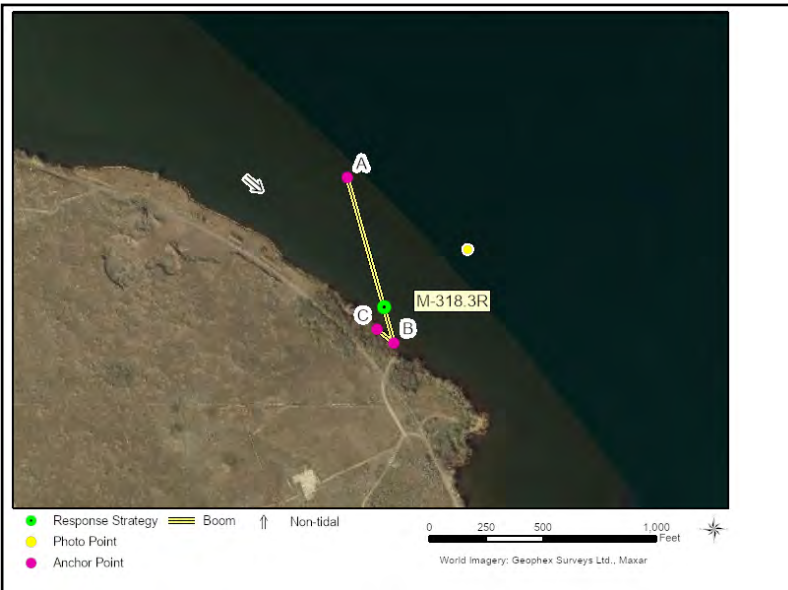
**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

**Site Safety:** Slips, Trips, Falls, Water Hazards

**Field Notes:** This location is part of a federal public recreation area. Notify USACE before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Raptors, Recreational Use Area, Resident Fish, Salmonids, Shorebirds, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 7 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 900 Each | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Hover Park (Upriver)

M-318.3R



M-318.3R Photo: From boat, looking southwest towards riverbank where oil collection can occur (downriver is to the left). Low water conditions (August).

### Site Contact

#### USFWS Mid-Columbia National Wildlife Refuges

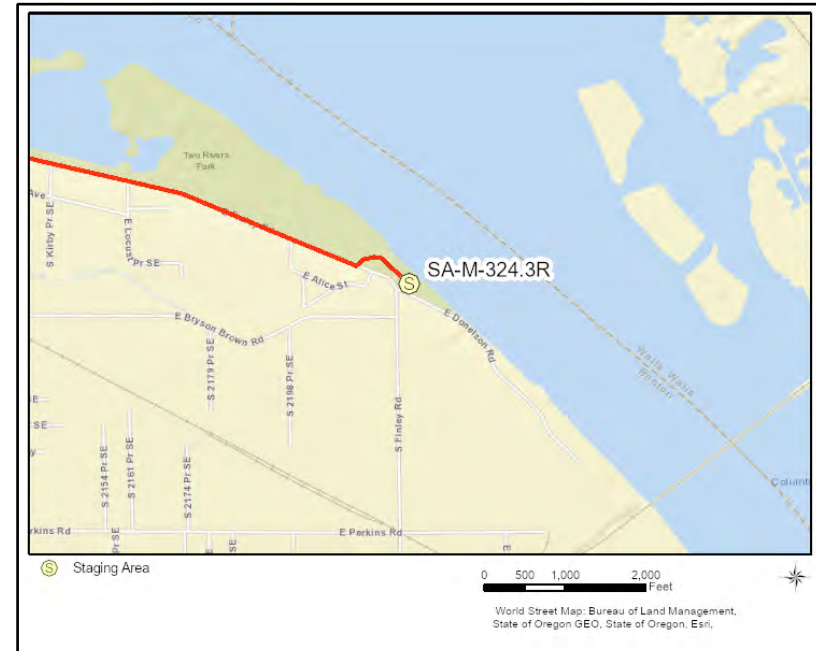
Land/Property Contact :  
208-252-0805

#### USACE

Land/Property Contact : Tri-Rivers Natural Resources Mgmt  
509-547-2048

### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end

Address for oil collection:

Cushman Rd, Kennewick, WA 99337

## Peninsula (McNary NWR)

M-319.2M

**Position - Location:** 46° 7.668', -118° 57.697' 46° 7' 40.1", -118° 57' 41.8" 46.12780, -118.96162 Burbank

**Strategy Objective:** Deflection : Keep oil away from island.

**Implementation:** Using workboat, deploy 500ft boom at anchor point A (riverbank). Secure remainder at anchor point B to the southwest of the peninsula. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** The area is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Herons, Mud Flat(s), Raptors, Resident Fish, Riparian Habitat, Salmonids, Sensitive Resources Nearby, Shorebirds, Waterfowl, Wildlife Refuge



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 5 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 500 Feet | Boom - B2 (18" to 42")                                     |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |



M-319.2M Photo: From river, looking north towards anchor point A. Low water conditions (August).

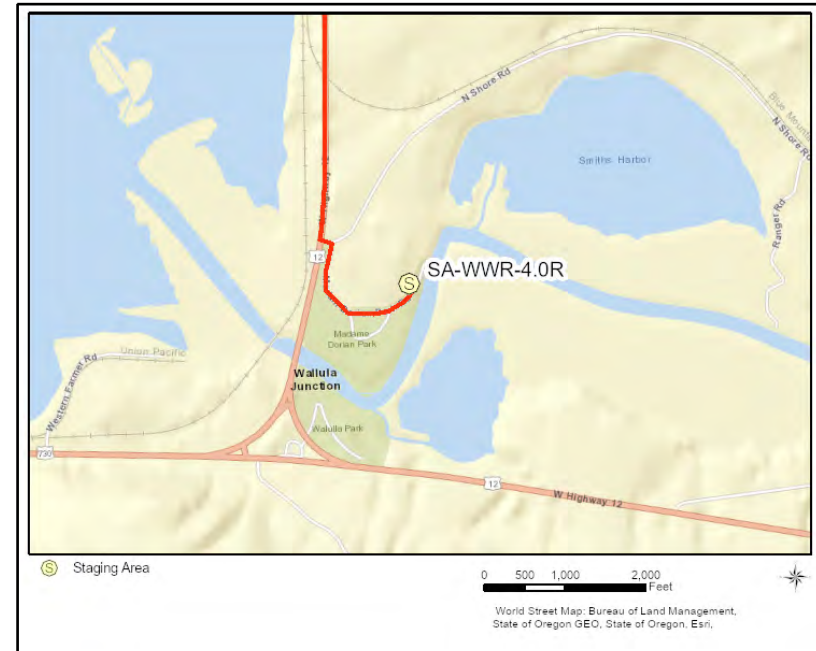
## Site Contact

**USFWS Mid-Columbia National Wildlife Refuges**  
Land/Property Contact :

Burbank, WA 99323  
208-252-0805

## Nearest Address

N Shore Rd  
Burbank, WA 99323



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Madame Dorian Memorial Park (SABL-WWR-4.0R):

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madam Dorian boat launch on the right

## Casey Pond (Outer)

M-320.6L

**Position - Location:** 46° 9.470', -118° 57.147' 46° 9' 28.2", -118° 57' 8.8" 46.15784, -118.95245 Burbank

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

**Implementation:** Using workboat, deploy 200ft boom at anchor point A. Then extend remainder southeast to anchor point C. Finally move boom midpoint to the southwest to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

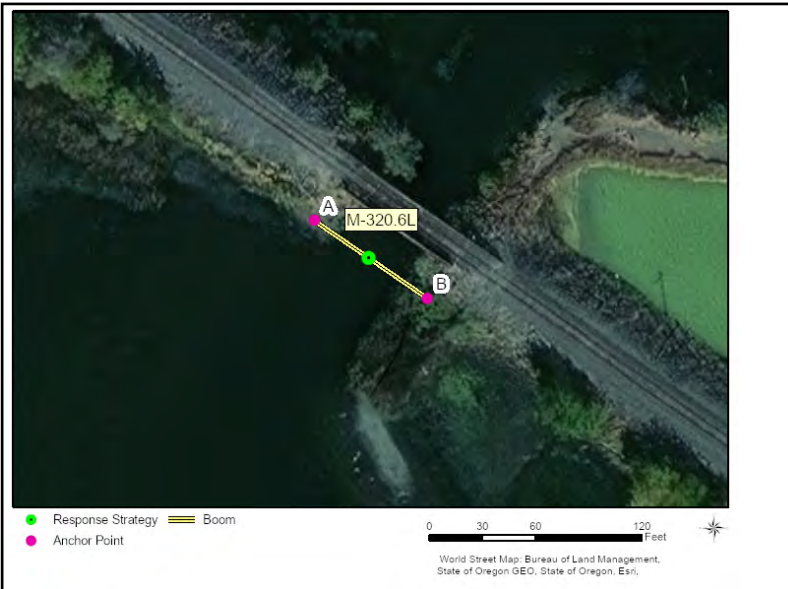
**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Herons, Mud Flat(s), Raptors, Resident Fish, Riparian Habitat, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge



### Recommended Equipment

|     |      |                                                            |
|-----|------|------------------------------------------------------------|
| 1   | Each | Anchoring System(s) - (anchor, lines, floats)              |
| 2   | Each | Anchoring System(s)- Shoreside                             |
| 200 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1   | Each | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |

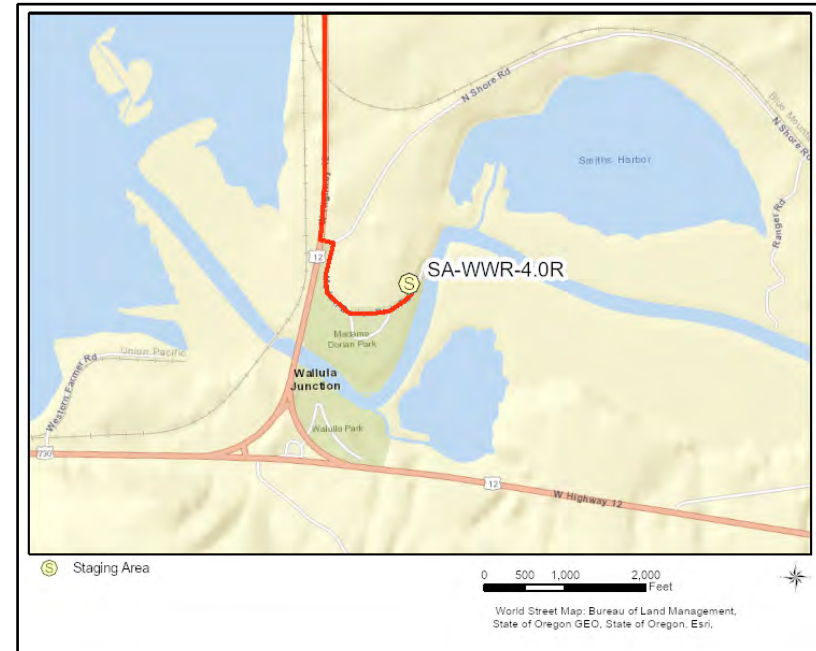


## Casey Pond (Outer)

M-320.6L



M-320.6L Photo: Aerial view of Casey Pond and train trestle.  
High water conditions.



### Site Contact

**USFWS Mid-Columbia National Wildlife Refuges**  
Land/Property Contact :

Burbank, WA 99323  
208-252-0805

### Nearest Address

N Shore Rd  
Burbank, WA 99323

### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Madame Dorion Memorial Park (SABL-WWR-4.0R):

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madam Dorian boat launch on the right



## Casey Pond (Inner)

M-320.7L

**Position - Location:** 46° 9.845', -118° 56.900' 46° 9' 50.7", -118° 56' 54.0" 46.16409, -118.94833 Burbank

**Strategy Objective:** Exclusion : Keep oil out of inner pond.

**Implementation:** Using workboat, deploy 100ft boom at anchor point A. Then extend boom southeast across water to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

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

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

**Field Notes:** Lane closure possible – use WSDOT guidelines. Contact USFWS before deployment.

**Watercourse:** Pond - McNary Pool/Lake Wallula

**Resources at Risk:** Backwater Habitat, Resident Fish, Salmonids, Wildlife Refuge



### Recommended Equipment

|          |                                           |
|----------|-------------------------------------------|
| 2 Each   | Anchoring System(s)- Shoreside            |
| 100 Feet | Boom - B2 (Contractor Boom) or equivalent |
| 100 Feet | Line - 1/2" poly line                     |
| 1 Each   | Workboat(s) - (hand-launch)               |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |

## Casey Pond (Inner)

M-320.7L



M-320.7L Photo: From above the pond, looking northeast towards highway bridge. High water conditions.

### Site Contact

**USFWS Mid-Columbia National Wildlife Refuges**  
Land/Property Contact :

Burbank, WA 99323  
208-252-0805

### Nearest Address

US-12  
Burbank, WA 99323



### Driving Directions

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp left onto ramp to I-182/US-12 E
4. Continue on I-182/US-12 E (1.4 mi)
5. Continue on US-12 (8.2 mi)
6. Location is on the right

## Game Road

M-321.9L

**Position - Location:** 46° 10.137', -118° 58.870' 46° 10' 8.2", -118° 58' 52.2" 46.16895, -118.98116 Kennewick

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A (in river channel). Then extend remainder to the southwest and secure end near anchor point B (riverbank). Finally place an additional 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Herons, Mud Flat(s), Raptors, Resident Fish, Riparian Habitat, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 7 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 900 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



M-321.9L Photo: From above river, looking northeast towards riverbank where oil collection can occur (downriver is to the right). High water conditions.

#### Site Contact

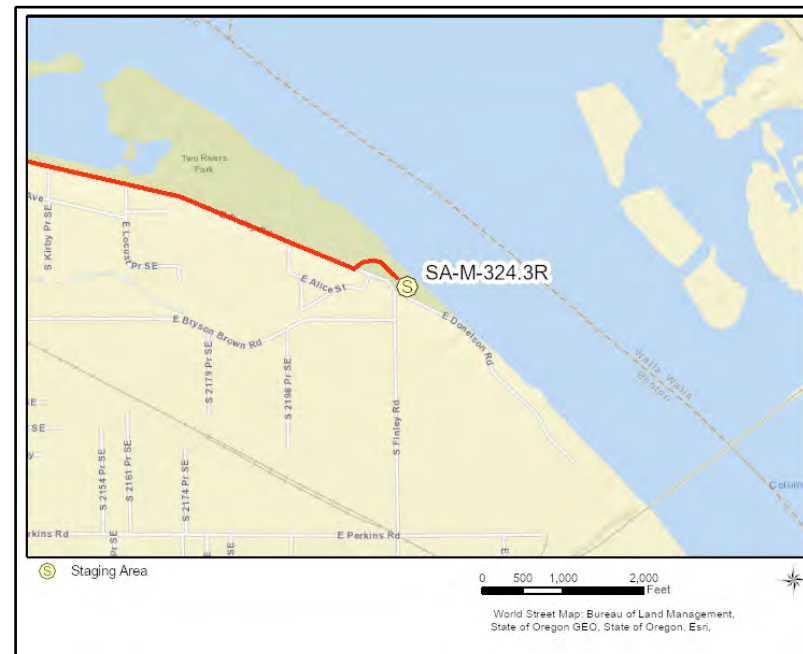
#### USFWS Mid-Columbia National Wildlife Refuges

Land/Property Contact :

Burbank, WA 99323  
208-252-0805

#### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end



## Foundation Island

M-322.6M

**Position - Location:** 46° 10.344', -119° .306' 46° 10' 20.6", -119° 0' 18.4" 46.17240, -119.00510 Kennewick

**Strategy Objective:** Deflection : Keep oil away from island.

**Implementation:** Using workboat, deploy 500ft boom at anchor point A. Secure remainder at anchor point B to the west of the island. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** The island is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Herons, Mud Flat(s), Raptors, Resident Fish, Riparian Habitat, Salmonids, Sensitive Resources, Shorebirds, Waterfowl, Wildlife Refuge



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 6 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 500 Each | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |

## Foundation Island

M-322.6M



M-322.6M Photo: From island, looking north towards site of deflection boom. Low water conditions (August).

### Site Contact

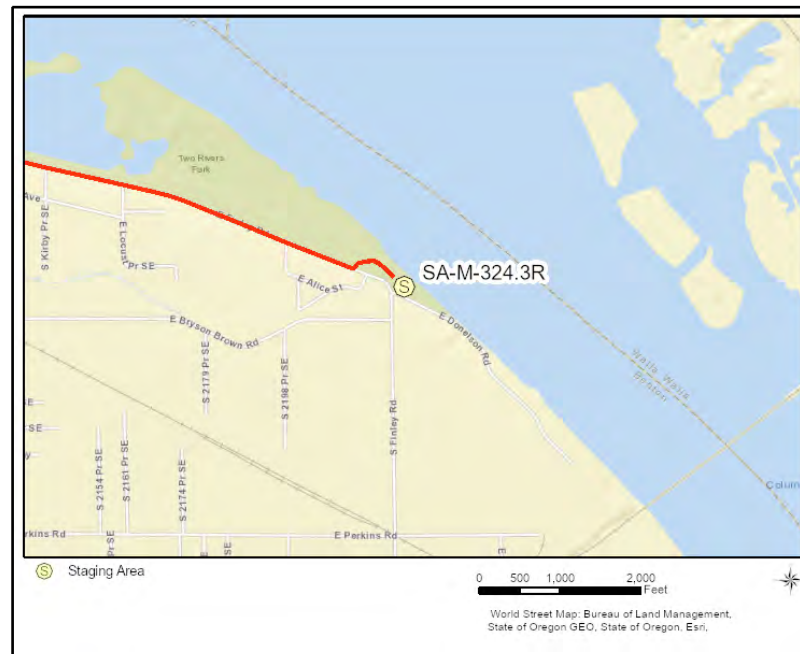
#### USFWS Mid-Columbia National Wildlife Refuges

Land/Property Contact :

Burbank, WA 99323  
208-252-0805

### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end



## Vilard Pond

M-323.1M

**Position - Location:** 46° 10.706', -119° .131' 46° 10' 42.4", -119° 0' 7.9" 46.17844, -119.00219 Kennewick

**Strategy Objective:** Exclusion : Keep oil out of backwater area within refuge.

**Implementation:** Using workboat, deploy 400ft boom at anchor point A. Extend remainder south to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

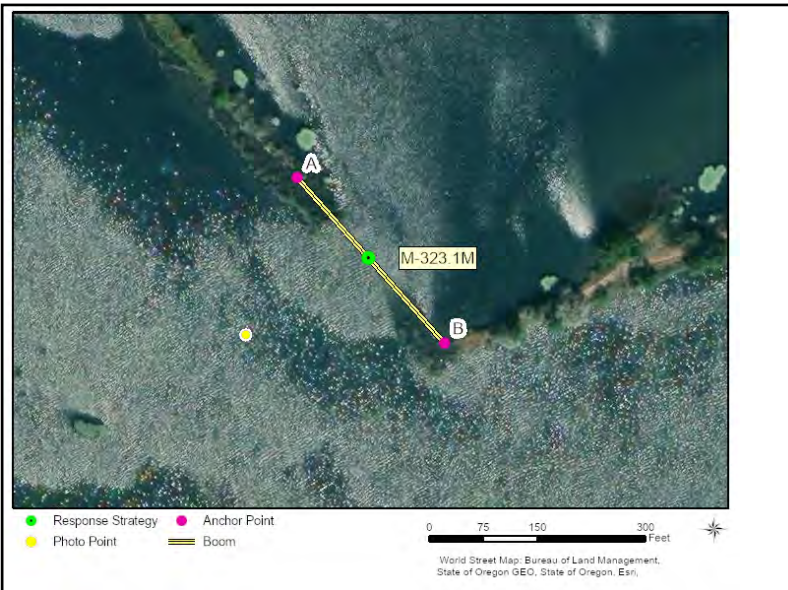
**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Herons, Mud Flat(s), Raptors, Resident Fish, Riparian Habitat, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 3 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 400 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |

## Vilard Pond

M-323.1M



M-323.1M Photo: From boat, looking northeast into backwater area (downriver is to the right). Low water conditions (August).

### Site Contact

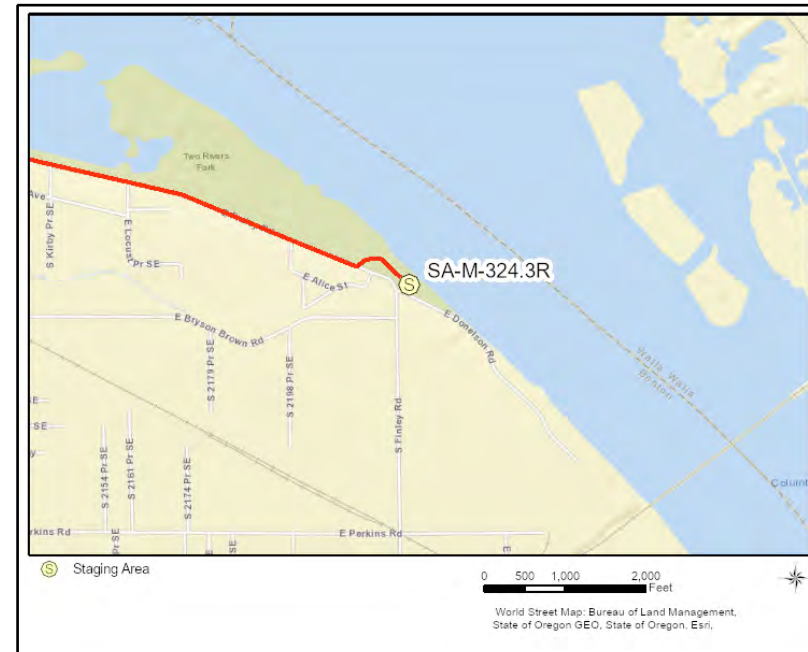
#### USFWS Mid-Columbia National Wildlife Refuges

Land/Property Contact :

Burbank, WA 99323  
208-252-0805

### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end

## Nutrien Nitrogen Facility

M-323.2R

**Position - Location:** 46° 10.436', -119° 1.085' 46° 10' 26.1", -119° 1' 5.1" 46.17393, -119.01809 Kennewick

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A (in river channel). Then extend remainder to the southwest and secure end near anchor point B (riverbank). Finally place an additional 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

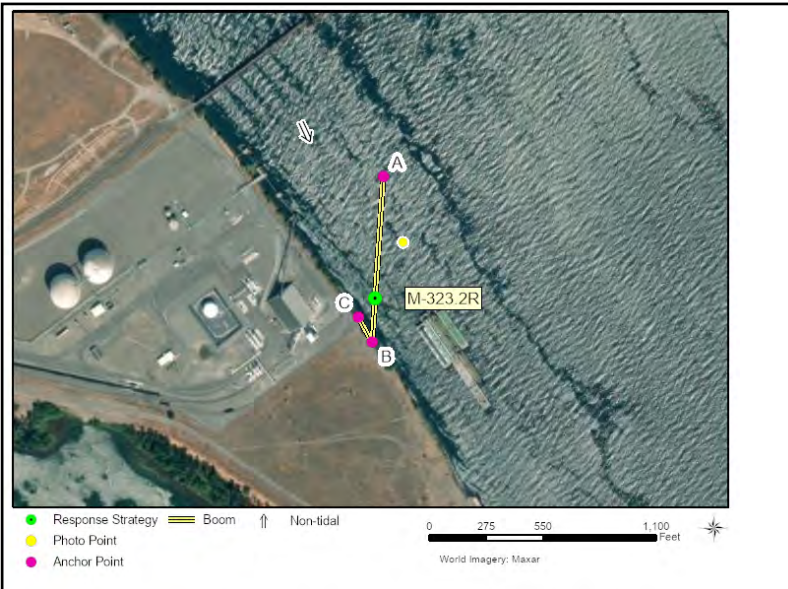
**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** Work with the company so that the vac truck can drive onto the property and reach the riverbank.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 8 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 900 Each | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



M-323.2R Photo: From river, looking southwest towards riverbank where oil collection can occur. Low water conditions (August).

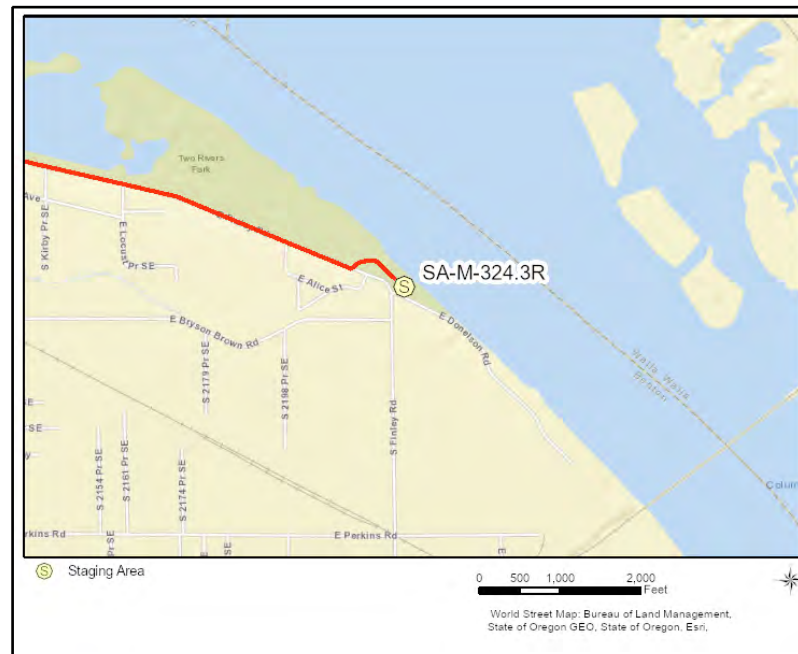
## Site Contact

### Nutrien

Land/Property Owner : Kennewick Nitrogen Facility  
227515 E Bowles Rd  
Kennewick, WA 99337  
509-586-5500

## Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd
8. Turn left onto gravel road at 220880 East Finley Road (just before S. Stevens Dr), follow gravel road to the end

Address for oil collection:

227515 E Bowles Rd, Kennewick, WA 99337



## Burbank Five

M-323.4M

**Position - Location:** 46° 10.751', -119° .864' 46° 10' 45.1", -119° 0' 51.8" 46.17919, -119.01440 Kennewick

**Strategy Objective:** Deflection : Keep oil away from refuge.

**Implementation:** Using workboat, deploy 700ft boom at anchor point A. Secure remainder at anchor point B in the river channel. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

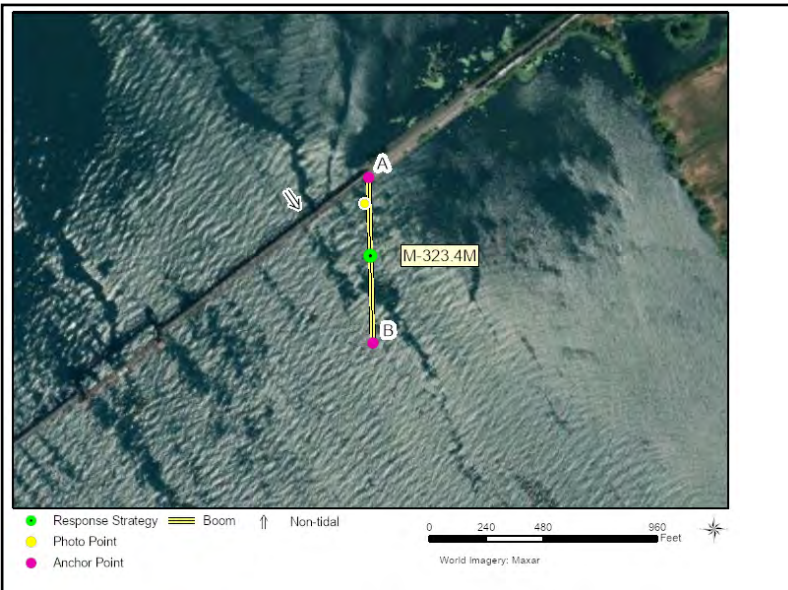
**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment. The bridge belongs to Union Pacific Railroad.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Herons, Mud Flat(s), Raptors, Resident Fish, Riparian Habitat, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 7 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 700 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |



M-323.4M Photo: From boat, looking north at anchor point A (Union Pacific bridge). Low water conditions (August).

#### Site Contact

##### USFWS Mid-Columbia National Wildlife Refuges

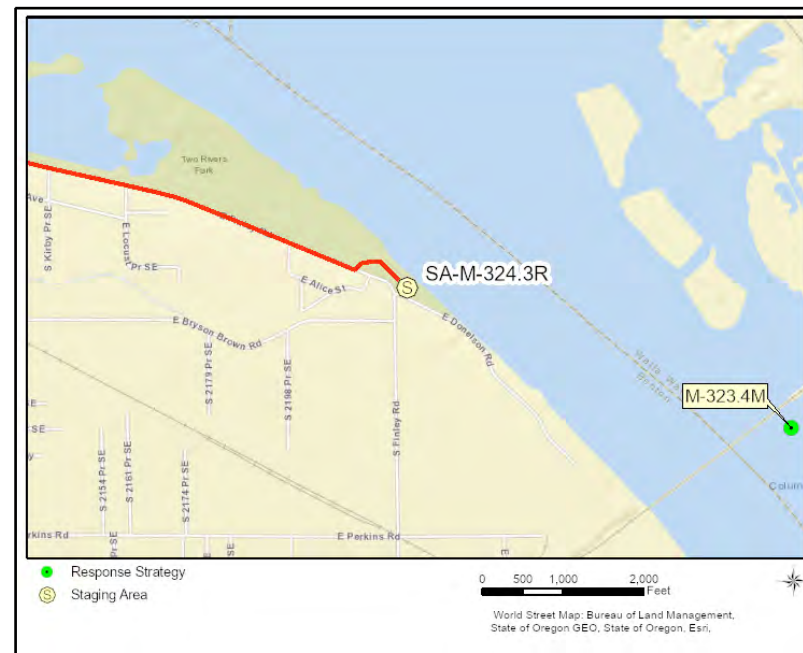
Land/Property Contact :  
208-252-0805

##### Union Pacific Railroad

Land/Property Owner :  
888-877-7267

#### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end



## Burbank Four

M-323.5M

**Position - Location:** 46° 10.930', -119° .777' 46° 10' 55.8", -119° 0' 46.6" 46.18216, -119.01295 Kennewick

**Strategy Objective:** Exclusion : Keep oil out of backwater area within refuge.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A. Extend remainder south near bridge to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Herons, Mud Flat(s), Raptors, Resident Fish, Riparian Habitat, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 7 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



M-323.5M Photo: From riverbank, looking south towards anchor point B and rail bridge. Low water conditions (August).

#### Site Contact

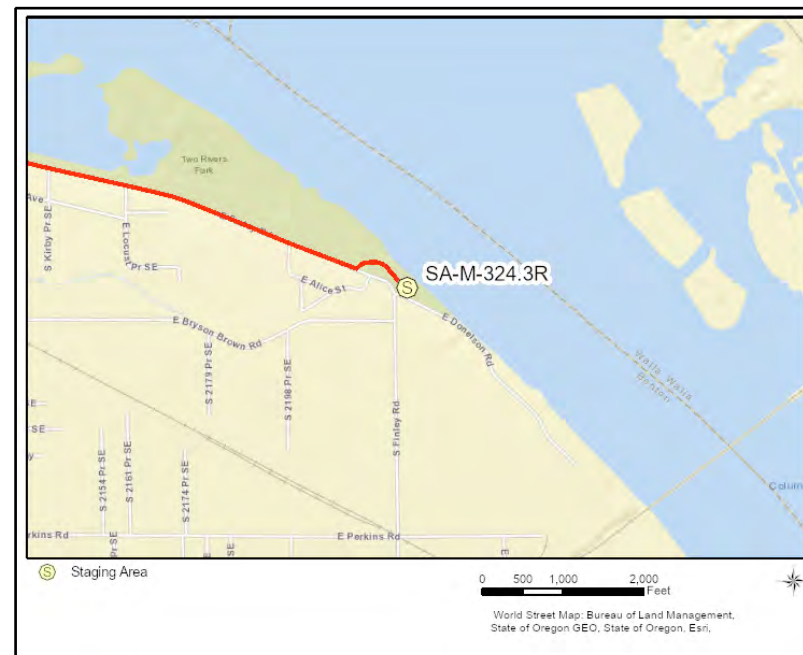
#### USFWS Mid-Columbia National Wildlife Refuges

Land/Property Contact :

Burbank, WA 99323  
208-252-0805

#### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end

## Burbank Three

M-323.9M

**Position - Location:** 46° 11.268', -119° 1.018' 46° 11' 16.1", -119° 1' 1.1" 46.18780, -119.01697 Kennewick

**Strategy Objective:** Exclusion : Keep oil out of backwater area within refuge.

**Implementation:** Using workboat, deploy 400ft boom at anchor point A. Extend remainder south to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Herons, Mud Flat(s), Raptors, Resident Fish, Riparian Habitat, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 3 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 400 Each | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |



M-323.9M Photo: From boat, looking east towards riverbank (downriver is to the right). Low water conditions (August).

#### Site Contact

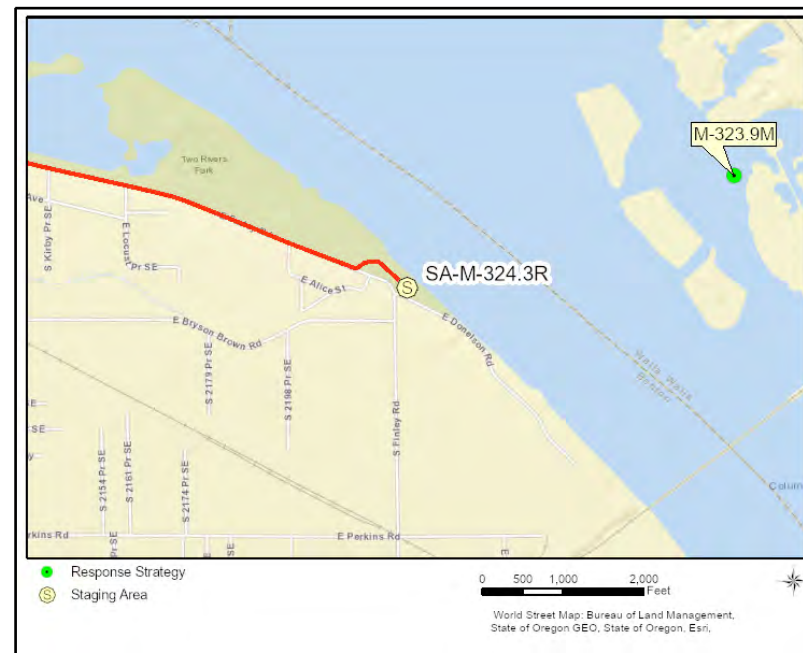
#### USFWS Mid-Columbia National Wildlife Refuges

Land/Property Contact :

Burbank, WA 99323  
208-252-0805

#### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end



## Burbank Two

M-324.3M

**Position - Location:** 46° 11.653', -119° 1.276' 46° 11' 39.2", -119° 1' 16.5" 46.19421, -119.02126 Kennewick

**Strategy Objective:** Exclusion : Keep oil out of backwater area within refuge.

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

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Herons, Mud Flat(s), Raptors, Resident Fish, Riparian Habitat, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 5 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 600 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



M-324.3M Photo: From boat, looking east towards riverbank (downriver is to the right). Low water conditions (August).

#### Site Contact

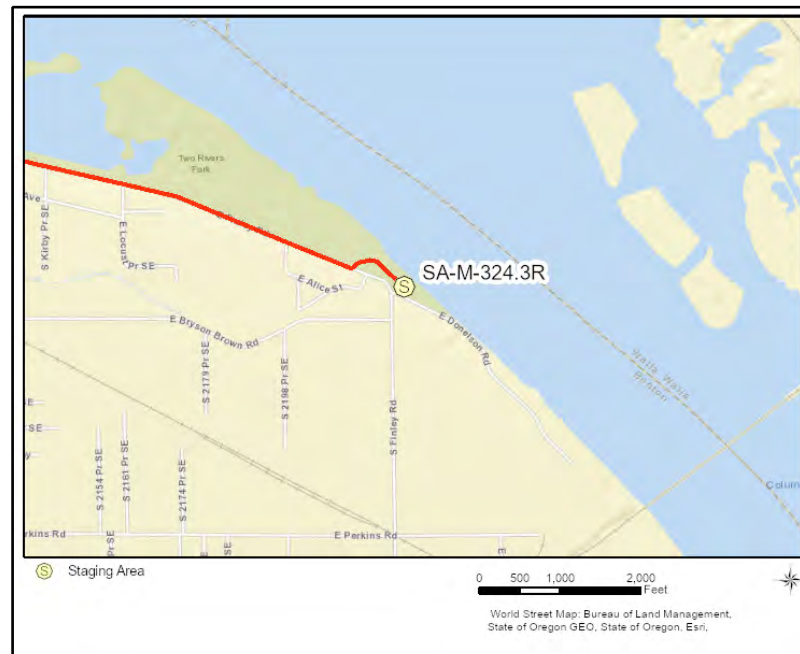
#### USFWS Mid-Columbia National Wildlife Refuges

Land/Property Contact :

Burbank, WA 99323  
208-252-0805

#### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end



## Two Rivers Park (Boat Launch)

M-324.3R

**Position - Location:** 46° 11.078', -119° 1.946' 46° 11' 4.7", -119° 1' 56.8" 46.18464, -119.03244 Kennewick

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 500ft boom at anchor point A (in river channel). Then extend remainder to the south and secure end near anchor point B (riverbank). Finally place an additional 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

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

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

**Field Notes:** Benton County manages the park. Notify the county before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 5 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 600 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |

## Two Rivers Park (Boat Launch)

M-324.3R



M-324.3R Photo: From above river, looking southwest towards riverbank where oil collection can occur (downriver is to the left). High water conditions.

### Site Contact

#### Benton County

Land/Property Contact : Parks Dept.

Kennewick, WA 99336  
509-737-3951

### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



### Driving Directions

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end

## Two Rivers Park (Downriver)

M-324.8R

**Position - Location:** 46° 11.292', -119° 2.315' 46° 11' 17.5", -119° 2' 18.9" 46.18820, -119.03859 Kennewick

**Strategy Objective:** Exclusion : Keep oil out of wetlands within county park.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A. Then extend boom to the southeast and secure end near anchor point D. Use anchoring systems as needed to keep boom secure - and away from the riverbank (anchor points B & C). Adjust boom angle and anchor points as needed for conditions. Use anchor posts or existing structures to secure boom.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** Notify Benton County (park manager) before deployment.

**Watercourse:** River - Above a Dam - Columbia River (McNary Pool)

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 7 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Two Rivers Park (Downriver)

M-324.8R



M-324.8R Photo: From boat, looking southwest towards park riverbank (downriver is to the left). Low water conditions (August).

### Site Contact

### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Brg)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd
8. Turn left onto gravel road at 220880 East Finley Road (just before S. Stevens Dr), follow gravel road to the end



## Two Rivers Park (Midriver)

M-325.5R

**Position - Location:** 46° 11.540', -119° 2.851' 46° 11' 32.4", -119° 2' 51.1" 46.19233, -119.04752 Kennewick

**Strategy Objective:** Deflection : Keep oil away from county park riverbank.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A. Secure remainder at anchor point B off the riverbank. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** Notify Benton County before deployment.

**Watercourse:** River - Above a Dam - Columbia River (McNary Pool)

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 8 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |

## Two Rivers Park (Midriver)

M-325.5R



M-325.5R Photo: From park, looking east/downriver. Low water conditions (July).

### Site Contact

#### Benton County

Municipality (County/City) : Parks Dept.

Kennewick, WA 99336  
509-737-3951

### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd
8. Turn left onto gravel road at 220880 East Finley Road (just before S. Stevens Dr), follow gravel road to the end



## Sacajawea Historical State Park (Columbia River)

M-325.6L

**Position - Location:** 46° 12.049', -119° 2.877' 46° 12' 2.9", -119° 2' 52.6" 46.20081, -119.04795 Kennewick

**Strategy Objective:** Exclusion : Keep oil away from state park riverbank.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A. Secure remainder at anchor point B in river channel. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** Notify the state park before deployment.

**Watercourse:** River - Above a Dam - Columbia River (McNary Pool)

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 8 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |



M-325.6L Photo: From riverbank, looking southeast towards Snake River confluence. Low water conditions (August).

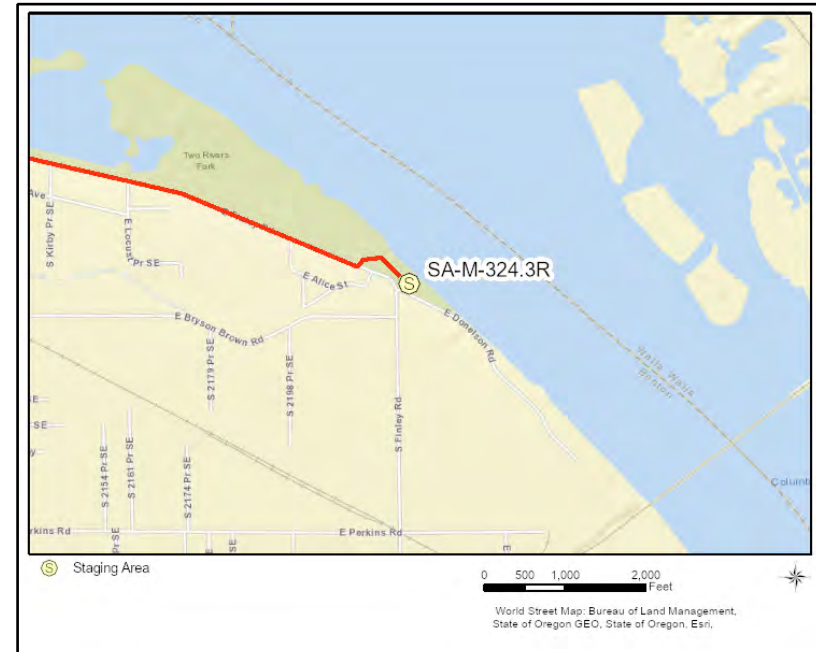
## Site Contact

### Washington Parks and Rec Commission

Land/Property Contact : Sacajawea Historical State Park  
2503 Sacajawea Park Road  
Pasco, WA 99301  
509-545-2361

## Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Brg)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd
8. Turn left onto gravel road at 220880 East Finley Road (just before S. Stevens Dr), follow gravel road to the end

## Two Rivers Park (Upriver)

M-325.7R

**Position - Location:** 46° 11.740', -119° 3.215' 46° 11' 44.4", -119° 3' 12.9" 46.19567, -119.05358 Kennewick

**Strategy Objective:** Deflection : Keep oil away from county park riverbank.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A. Secure remainder at anchor point B in river channel. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** Notify Benton County before deployment.

**Watercourse:** River - Above a Dam - Columbia River (McNary Pool)

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 8 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |

## Two Rivers Park (Upriver)

M-325.7R



M-325.7R Photo: From above river, looking southwest towards park (downriver is to the left). High water conditions.



### Site Contact

## Benton County

Municipality (County/City) : Parks Dept.

Kennewick, WA 99336

509-737-3951

## Nearest Address

\_\_\_\_\_

### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd
8. Turn left onto gravel road at 220880 East Finley Road (just before S. Stevens Dr), follow gravel road to the end



# Sacajawea Historical State Park and Heritage Trail

M-325.8L

**Position - Location:** 46° 12.369', -119° 3.145' 46° 12' 22.1", -119° 3' 8.7" 46.20615, -119.05241 Kennewick

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 600ft boom at anchor point A (in river channel). Then extend remainder to the east and secure end near anchor point B (riverbank). Finally place 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** Work with the state park so that the vac truck can drive on the pedestrian trail.

**Watercourse:** River - Above a Dam - Columbia River (McNary Pool)

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



## Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 5 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 700 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



M-325.8L Photo: From trail, looking west/upriver. Low water conditions (August).

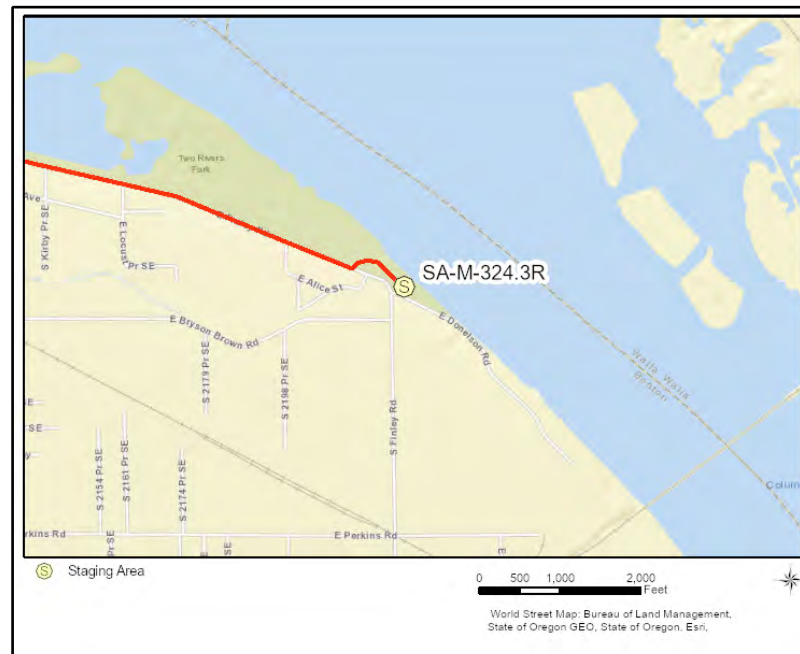
## Site Contact

**Washington State Parks and Recreation Commission**  
Land/Property Contact : Sacajawea State Park

Pasco, WA 99301  
509-545-2361

## Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd
8. Turn left onto gravel road at 220880 East Finley Road (just before S. Stevens Dr), follow gravel road to the end

Address for oil collection:

Sacajawea Park Rd, Pasco, WA 99301



## Indian Island

M-326.1M

**Position - Location:** 46° 12.262', -119° 3.508' 46° 12' 15.7", -119° 3' 30.5" 46.20437, -119.05846 Kennewick

**Strategy Objective:** Deflection : Keep oil away from island.

**Implementation:** Using workboat, deploy 1000ft boom at anchor point A. Then extend boom northeast and secure end near anchor point C. Near boom midpoint, use workboat to pull boom northwest, creating a chevron, and anchor near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** Do not anchor to land, just anchor in water. Contact Franklin County before deployment.

**Watercourse:** River - Above a Dam - Columbia River (McNary Pool)

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



### Recommended Equipment

|      |      |                                                            |
|------|------|------------------------------------------------------------|
| 10   | Each | Anchoring System(s) - (anchor, lines, floats)              |
| 1000 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1    | Each | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



M-326.1M Photo: From river, looking southwest towards upriver end of island. Low water conditions (August).

## Site Contact

### Franklin County

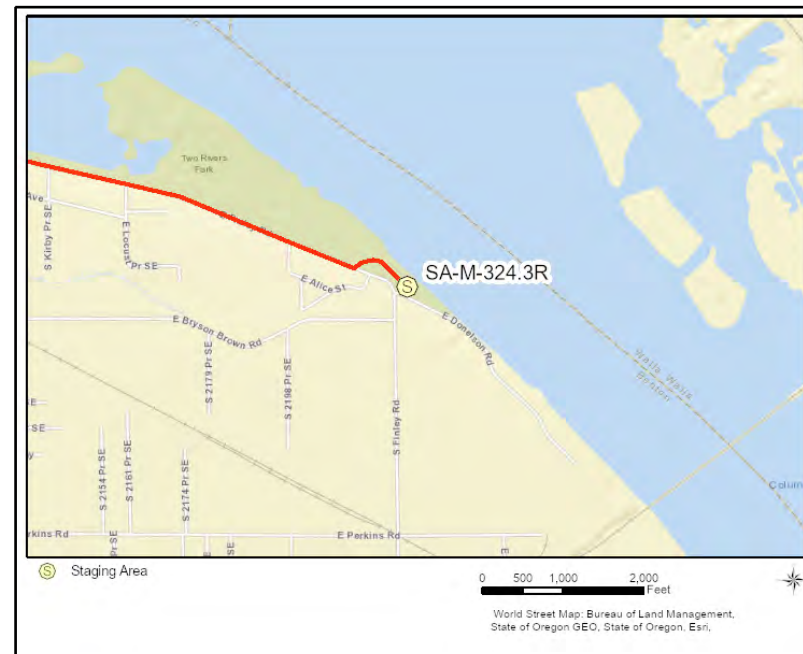
Municipality (County/City) : Emergency Management

Pasco, WA 99301

509-545-3546

## Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd
8. Turn left onto gravel road at 220880 East Finley Road (just before S. Stevens Dr), follow gravel road to the end

## Second Inlet Downriver from BNSF Bridge

MSN-0.8M

**Position - Location:** 46° 11.897', -119° 1.598' 46° 11' 53.8", -119° 1' 35.9" 46.19829, -119.02664 Kennewick

**Strategy Objective:** Deflection : Keep oil away from refuge riverbank.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A. Secure remainder at anchor point B at tip of island. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.

**Watercourse:** River - Below a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Herons, Mud Flat(s), Raptors, Resident Fish, Riparian Habitat, Salmonids, Sensitive Resources, Shorebirds, Waterfowl, Wildlife Refuge



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 7 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |

## Second Inlet Downriver from BNSF Bridge

MSN-0.8M



MSN-0.8M Photo: From above river, looking east towards riverbank and island (downriver is to the right). High water conditions (May).

### Site Contact

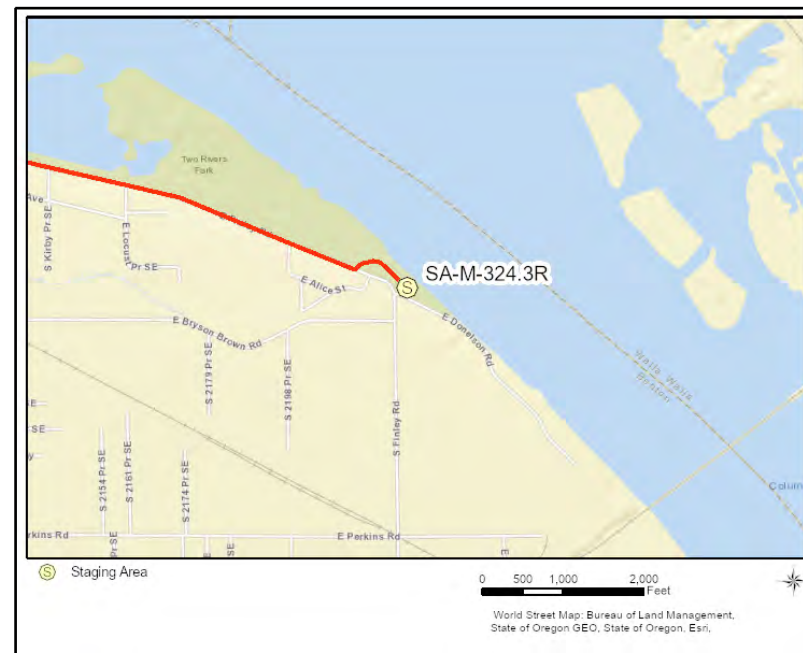
#### USFWS Mid-Columbia National Wildlife Refuges

Land/Property Contact :

Burbank, WA 99323  
208-252-0805

### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd
8. Turn left onto gravel road at 220880 East Finley Road (just before S. Stevens Dr), follow gravel road to the end



## Sacajawea Historical State Park (Snake River)

MSN-1.0R

**Position - Location:** 46° 12.105', -119° 2.201' 46° 12' 6.3", -119° 2' 12.1" 46.20175, -119.03669 Burbank

**Strategy Objective:** Collection : Collect oil moving downriver on the Snake River towards the Columbia River.

**Implementation:** Using workboat, deploy 900ft boom near boat basin entrance at anchor point B. Then extend 600ft boom northeast and secure end near anchor point A. Place 300ft boom parallel to riverbank and set anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use existing structures or trees to secure boom to riverbank. Limit ground-penetrating activities.

**Staging Area:** Remote: Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323).

**Site Safety:** Water hazard; Slips, trips & falls; Snakes; Uneven terrain; Vessel traffic

**Field Notes:** Notify state park before deployment.

**Watercourse:** River - Below a Dam - Snake River (McNary Pool)

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 6 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 3 Each   | Anchoring System(s)- Shoreside                             |
| 900 Feet | Boom - B3 (River Boom) or equivalent                       |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



MSN-1.0R Photo: From south side of boat basin, looking northeast towards rail bridge. Low water conditions (August).

## Site Contact

### Washington Parks and Rec Commission

Land/Property Contact : Sacajawea Historical State Park  
2503 Sacajawea Park Road  
Pasco, WA 99301  
509-545-2361

## Nearest Address

Hood Park Rd  
Burbank, WA 99323



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hood Park (SABL-MSN-2.3L):

1. Head east on I-82
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take the exit on the right toward Burbank / Waitsburg
4. Keep right at the fork to merge onto 5th St
5. Bear right on Ice Harbor Dr (WA-124)
6. Turn left on Hood Park Rd
7. Location is at end of road



## Radius Recycling and Railroad Bridge

MSN-1.5L

**Position - Location:** 46° 12.385', -119° 1.639' 46° 12' 23.1", -119° 1' 38.4" 46.20641, -119.02732 Burbank

**Strategy Objective:** Exclusion : Keep oil out of wetlands behind business.

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

**Staging Area:** Remote: Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323).

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

**Field Notes:** The railroad bridge belongs to BNSF.

**Watercourse:** River - Below a Dam - Snake River (McNary Pool)

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 4 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 400 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 2 Laborer       |
| 1 Supervisor    |

## Radius Recycling and Railroad Bridge

MSN-1.5L



MSN-1.5L Photo: From boat, looking southwest towards anchor point B at bridge. Low water conditions (July).

### Site Contact

#### Radius Recycling

Land/Property Owner :  
509-544-7825

#### BNSF Railway

Emergency Contact : Service Interruption Desk  
817-352-2832

### Nearest Address

Hood Park Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hood Park (SABL-MSN-2.3L):

1. Head east on I-82
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take the exit on the right toward Burbank / Waitsburg
4. Keep right at the fork to merge onto 5th St
5. Bear right on Ice Harbor Dr (WA-124)
6. Turn left on Hood Park Rd
7. Location is at end of road

## Railroad Bridge North of Sacajawea State Park

MSN-1.5R

**Position - Location:** 46° 12.533', -119° 1.915' 46° 12' 32.0", -119° 1' 54.9" 46.20889, -119.03191 Burbank

**Strategy Objective:** Deflection : Keep oil away from park south of bridge.

**Implementation:** Using workboat, secure 900ft boom to riverbank near anchor point A. Extend boom south to the bridge, securing the remaining end to the first piling (anchor point B). Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323).

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

**Field Notes:** The railroad bridge belongs to BNSF.

**Watercourse:** River - Below a Dam - Snake River (McNary Pool)

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 7 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 900 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Bridle(s) - Piling (appropriately sized for boom)          |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Railroad Bridge North of Sacajawea State Park

MSN-1.5R



MSN-1.5R Photo: From river, looking southwest towards bridge. Low water conditions (July).

### Site Contact

#### Washington Parks and Rec Commission

Land/Property Contact : Sacajawea Historical State Park  
509-545-2361

#### BNSF Railway

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

### Nearest Address

Hood Park Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hood Park (SABL-MSN-2.3L):

1. Head east on I-82
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take the exit on the right toward Burbank / Waitsburg
4. Keep right at the fork to merge onto 5th St
5. Bear right on Ice Harbor Dr (WA-124)
6. Turn left on Hood Park Rd
7. Location is at end of road



# Tesoro Pasco Terminal

MSN-2.0R

**Position - Location:** 46° 12.946', -119° 1.520' 46° 12' 56.8", -119° 1' 31.2" 46.21577, -119.02534 Burbank

**Strategy Objective:** Collection : Collect oil moving toward the Columbia River.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A (bridge). Then extend southwest and secure end near anchor point B (riverbank). Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323).

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

**Field Notes:** Contact Tesoro before deployment. Drive to facility to collect oil.

**Watercourse:** River - Below a Dam - Snake River (McNary Pool)

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



## Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 7 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 900 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Bridle(s) - Piling (appropriately sized for boom)          |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |



## Tesoro Pasco Terminal

MSN-2.0R



MSN-2.0R Photo: From river, looking north/upriver towards US-12 bridge. Low water conditions (July).

### Site Contact

**Tesoro Pasco Terminal**  
Pre-Notification Required :  
2900 Sacajawea Park Rd  
Pasco, WA 99301  
509-543-6100

### Nearest Address

Hood Park Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hood Park (SABL-MSN-2.3L):

1. Head east on I-82
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take the exit on the right toward Burbank / Waitsburg
4. Keep right at the fork to merge onto 5th St
5. Bear right on Ice Harbor Dr (WA-124)
6. Turn left on Hood Park Rd
7. Location is at end of road

Address for oil collection:  
2900 Sacajawea Park Rd, Pasco, WA 99301

## Hood Park - Downriver

MSN-2.1L

**Position - Location:** 46° 12.744', -119° 1.298' 46° 12' 44.6", -119° 1' 17.9" 46.21240, -119.02164 Burbank

**Strategy Objective:** Exclusion : Keep oil away from park riverbank.

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

**Staging Area:** Remote: Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323).

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

**Field Notes:** The USACE manages this public recreation area. There is a small boat launch within this area.

**Watercourse:** River - Below a Dam - Snake River (Lake Wallula)

**Resources at Risk:** Recreational Use Area, Resident Fish, Salmonids, Sensitive Resources, Waterfowl, Wetlands



### Recommended Equipment

|           |                                                            |
|-----------|------------------------------------------------------------|
| 9 Each    | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each    | Anchoring System(s)- Shoreside                             |
| 1000 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each    | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 4 | Laborer       |
| 1 | Supervisor    |



MSN-2.1L Photo: From boat, looking east towards anchor point A (highway 12 bridge in background). Low water conditions (July).

## Site Contact

### USACE

Land/Property Contact : Tri-Rivers Natural Resources Mgmt

Burbank, WA  
509-547-2048

## Nearest Address

Hood Park Rd  
Burbank, WA 99323



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hood Park (SABL-MSN-2.3L):

1. Head east on I-82
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take the exit on the right toward Burbank / Waitsburg
4. Keep right at the fork to merge onto 5th St
5. Bear right on Ice Harbor Dr (WA-124)
6. Turn left on Hood Park Rd
7. Location is at end of road

# Hood Park

MSN-2.8L

**Position - Location:** 46° 13.140', -119° .730' 46° 13' 8.4", -119° 0' 43.8" 46.21900, -119.01217 Burbank

**Strategy Objective:** Deflection : Keep oil away from park riverbank.

**Implementation:** Using workboat, deploy 900ft boom at anchor point A. Secure remainder in river channel at anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323).

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

**Field Notes:** The USACE manages this public recreation area.

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

**Resources at Risk:** Recreational Use Area, Resident Fish, Salmonids, Sensitive Resources, Waterfowl



## Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 8 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 900 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |

## Hood Park

## MSN-2.8L



MSN-2.8L Photo: From Snake River, looking south towards anchor point A (eastern border of park). Low water conditions (July).

### Site Contact

## USACE Ice Harbor pool

Land/Property Contact : Tri-Rivers Natural Resources  
Management Office

Ice Harbor Dam, WA  
509-547-2048

### Nearest Address

Hood Park Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hood Park (SABL-MSN-2.3L):

1. Head east on I-82
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take the exit on the right toward Burbank / Waitsburg
4. Keep right at the fork to merge onto 5th St
5. Bear right on Ice Harbor Dr (WA-124)
6. Turn left on Hood Park Rd
7. Location is at end of road



# Tidewater Snake River Terminal

MSN-2.9R

**Position - Location:** 46° 13.445', -119° .710' 46° 13' 26.7", -119° 0' 42.6" 46.22408, -119.01183 Burbank

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

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

**Staging Area:** Remote: Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323).

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

**Field Notes:** Contact Tidewater before deployment.

**Watercourse:** River - Below a Dam - Snake River (McNary Pool)

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



## Recommended Equipment

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

## Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |

## Tidewater Snake River Terminal

MSN-2.9R



MSN-2.9R Photo: From river, looking northwest towards terminal (downriver to the left). High water conditions.



### Site Contact

#### Tidewater Snake River Terminal

Land/Property Contact :  
671 Tank Farm Rd  
Pasco, WA 99301  
503-289-4274

### Nearest Address

Hood Park Rd  
Burbank, WA 99323

### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hood Park (SABL-MSN-2.3L):

1. Head east on I-82
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take the exit on the right toward Burbank / Waitsburg
4. Keep right at the fork to merge onto 5th St
5. Bear right on Ice Harbor Dr (WA-124)
6. Turn left on Hood Park Rd
7. Location is at end of road

# Strawberry Island

MSN-4.0M

**Position - Location:** 46° 13.706', -118° 59.789' 46° 13' 42.4", -118° 59' 47.3" 46.22844, -118.99648 Burbank

**Strategy Objective:** Exclusion : Keep oil away from island.

**Implementation:** Using workboat, deploy 900ft boom at anchor point A. Then extend boom to the southwest and secure end near anchor point B. Also place four 100ft lengths of boom in between the berms to the west of the primary location. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts or existing structures to secure boom.

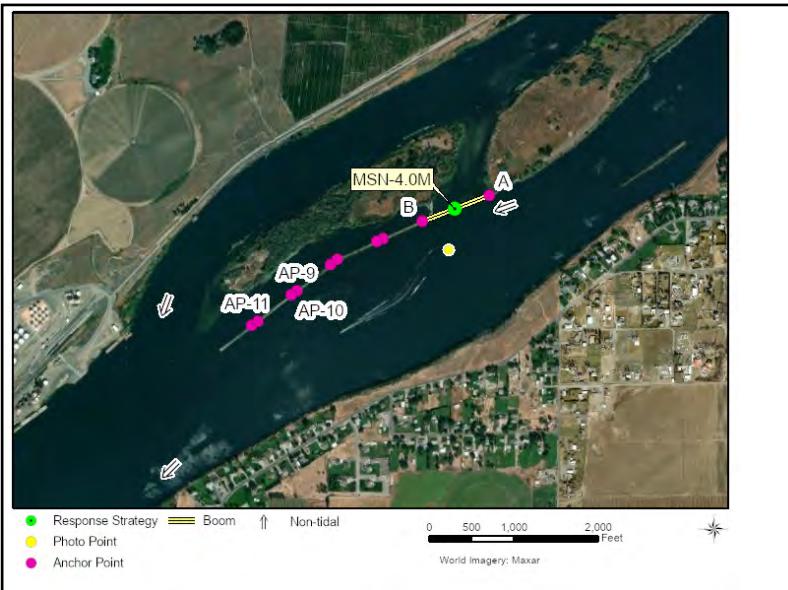
**Staging Area:** Remote: Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323).

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

**Field Notes:** This island is part of the McNary National Wildlife Refuge (managed by USFWS).

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

**Resources at Risk:** Herons, Mud Flat(s), Raptors, Resident Fish, Riparian Habitat, Salmonids, Sensitive Resources, Shorebirds, Waterfowl, Wetlands, Wildlife Refuge



## Recommended Equipment

|           |                                                            |
|-----------|------------------------------------------------------------|
| 8 Each    | Anchoring System(s) - (anchor, lines, floats)              |
| 10 Each   | Anchoring System(s)- Shoreside                             |
| 1300 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each    | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Strawberry Island

MSN-4.0M



MSN-4.0M Photo: From boat, looking north in between the islands (right bank of Snake River is in the background). Low water conditions (July).

### Site Contact

#### USACE Ice Harbor pool

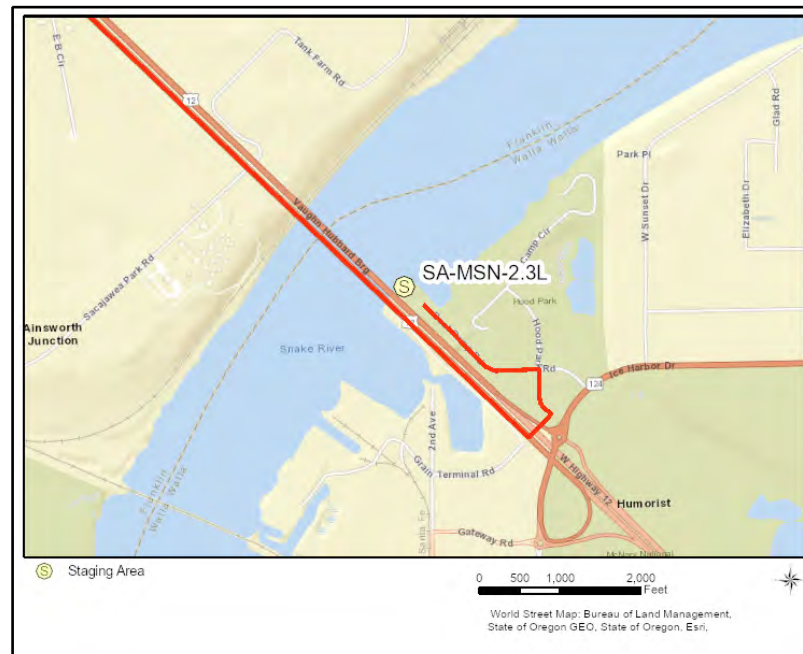
Primary Contact : Tri-Rivers Natural Resources  
Management Office  
509-547-2048

#### USFWS Mid-Columbia National Wildlife Refuges

Land/Property Contact :  
208-252-0805

### Nearest Address

Hood Park Rd  
Burbank, WA 99323



### Driving Directions

1. Start at US-395, Pasco, WA 99301
2. Go south on US-395 toward W Vineyard Dr (4.89 miles)
3. Continue on WA-397 (0.19 miles)
4. Make sharp left onto ramp to I-182 (0.46 miles)
5. Continue on I-182 (US-12 E) (0.3 miles)
6. Continue on US-12 (3.79 miles)
7. Turn left (0.02 miles)
8. Continue on WA-124 (Ice Harbor Dr) (0.05 miles)
9. Make sharp left on Hood Park Rd (0.12 miles)
10. Turn left to onto Boat Ramp Rd (0.2 miles)
11. Finish at 100 Hood Park Rd, 99323

## Pumping Plant Road

MSN-4.5L

**Position - Location:** 46° 13.955', -118° 58.878' 46° 13' 57.3", -118° 58' 52.7" 46.23259, -118.98130 Burbank

**Strategy Objective:** Exclusion : Keep oil away from water intake.

**Implementation:** Using workboat, deploy 200ft boom at anchor point A. Then extend boom to the southwest and secure end near anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts or existing structures to secure boom.

**Staging Area:** Remote: Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323).

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

**Field Notes:** USACE manages this area.

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

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 1 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 200 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 2 Laborer       |
| 1 Supervisor    |



## Pumping Plant Road

MSN-4.5L



MSN-4.5L Photo: From river, looking south toward water intake (downriver is to the right). Low water conditions (July).

### Site Contact

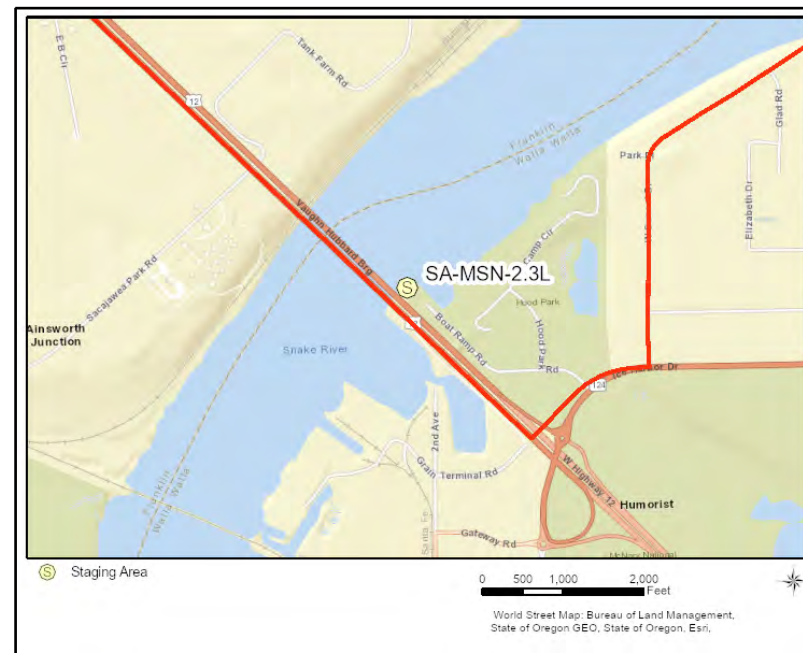
#### USACE Ice Harbor Control Room

Land/Property Contact :

Burbank, WA 99323  
509-543-3231

### Nearest Address

Hood Park Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hood Park (SABL-MSN-2.3L):

1. Head east on I-82
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take the exit on the right toward Burbank / Waitsburg
4. Keep right at the fork to merge onto 5th St
5. Bear right on Ice Harbor Dr (WA-124)
6. Turn left on Hood Park Rd
7. Location is at end of road

## Strawberry Island (Upriver)

MSN-4.6R

**Position - Location:** 46° 14.248', -118° 58.935' 46° 14' 14.9", -118° 58' 56.1" 46.23746, -118.98225 Burbank

**Strategy Objective:** Deflection : Keep oil away from island.

**Implementation:** Using workboat, deploy 1000ft boom on right riverbank at anchor point A. Secure remainder at tip of island at anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

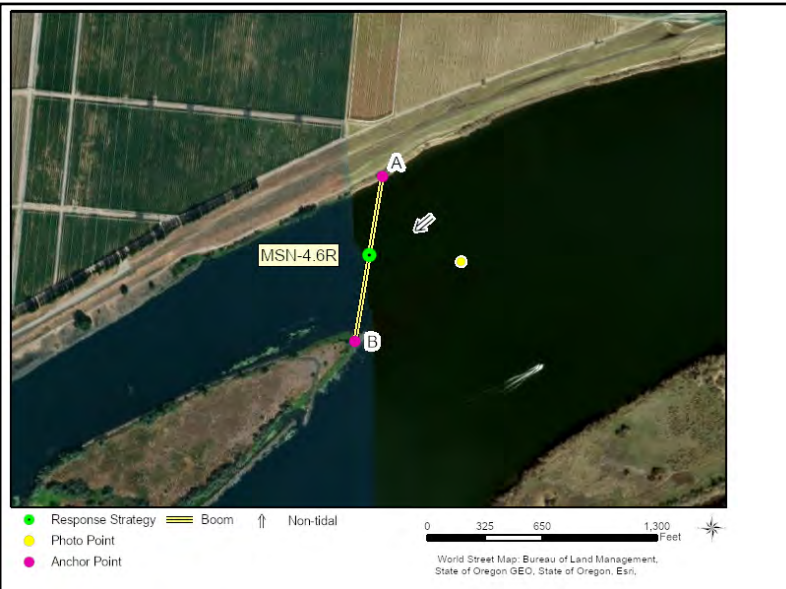
**Staging Area:** Remote: Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323).

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

**Field Notes:** This island is part of the McNary National Wildlife Refuge (managed by USFWS).

**Watercourse:** River - Below a Dam - Snake River (McNary Pool)

**Resources at Risk:** Herons, Mud Flat(s), Raptors, Resident Fish, Riparian Habitat, Salmonids, Sensitive Resources, Shorebirds, Waterfowl, Wildlife Refuge



### Recommended Equipment

|           |                                                            |
|-----------|------------------------------------------------------------|
| 9 Each    | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each    | Anchoring System(s)- Shoreside                             |
| 1000 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each    | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Strawberry Island (Upriver)

MSN-4.6R



MSN-4.6R Photo: From river, looking southwest/downriver towards anchor point B (island). Main channel is on the left. Low water conditions (July).

### Site Contact

#### USFWS Mid-Columbia National Wildlife Refuges

Land/Property Contact :

Burbank, WA 99323  
208-252-0805

### Nearest Address

Hood Park Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hood Park (SABL-MSN-2.3L):

1. Head east on I-82
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take the exit on the right toward Burbank / Waitsburg
4. Keep right at the fork to merge onto 5th St
5. Bear right on Ice Harbor Dr (WA-124)
6. Turn left on Hood Park Rd
7. Location is at end of road

## Snake River (Left Bank)

MSN-6.1L

**Position - Location:** 46° 14.209', -118° 57.043' 46° 14' 12.6", -118° 57' 2.6" 46.23682, -118.95072 Burbank

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

**Implementation:** Using workboat, deploy 1000ft boom at anchor point A. Then extend boom to the northwest and secure end near anchor point B. Also, place 200ft boom to protect gap to the west of the main strategy location. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts or existing structures to secure boom.

**Staging Area:** Remote: Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323).

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

**Field Notes:** USACE manages this area.

**Watercourse:** River - Below a Dam - Snake River (McNary Pool)

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



### Recommended Equipment

|      |      |                                                            |
|------|------|------------------------------------------------------------|
| 10   | Each | Anchoring System(s) - (anchor, lines, floats)              |
| 4    | Each | Anchoring System(s)- Shoreside                             |
| 1200 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1    | Each | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Snake River (Left Bank)

MSN-6.1L



MSN-6.1L Photo: From river, looking west toward side channel to left of berm. Low water conditions (July).

### Site Contact

#### USACE

Land/Property Contact : Tri-Rivers Natural Resources Mgmt

Burbank, WA  
509-547-2048

### Nearest Address

Hood Park Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hood Park (SABL-MSN-2.3L):

1. Head east on I-82
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take the exit on the right toward Burbank / Waitsburg
4. Keep right at the fork to merge onto 5th St
5. Bear right on Ice Harbor Dr (WA-124)
6. Turn left on Hood Park Rd
7. Location is at end of road



## Goose Island

MSN-8.4L

**Position - Location:** 46° 14.687', -118° 54.118' 46° 14' 41.2", -118° 54' 7.1" 46.24479, -118.90196 Burbank

**Strategy Objective:** Collection : Keep oil out of side channel south of island.

**Implementation:** Using workboat, deploy 700ft boom on right riverbank at anchor point A. Secure remainder at tip of island at anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323).

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

**Field Notes:** USACE manages this area.

**Watercourse:** River - Below a Dam - Snake River (McNary Pool)

**Resources at Risk:** Federal Lands, Resident Fish, Salmonids, Sensitive Resources, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 6 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 700 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



MSN-8.4L Photo: From river, looking southwest towards anchor point B (island). Main channel is on the right. Low water conditions (July).

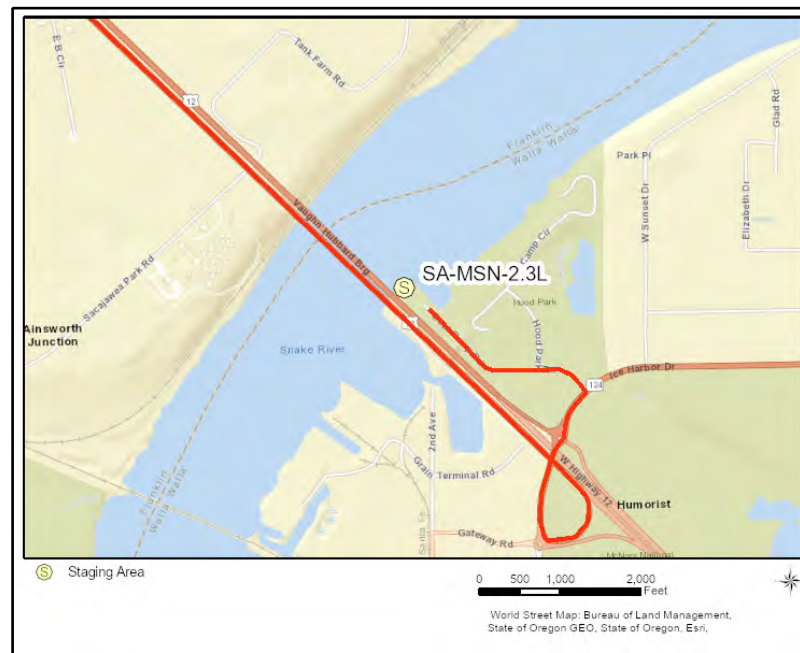
#### Site Contact

#### USACE

Alternate Contact : Tri-Rivers Natural Resources Mgmt  
509-547-2048

#### Nearest Address

Hood Park Rd  
Burbank, WA 99323



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hood Park (SABL-MSN-2.3L):

1. Head east on I-82
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take the exit on the right toward Burbank / Waitsburg
4. Keep right at the fork to merge onto 5th St
5. Bear right on Ice Harbor Dr (WA-124)
6. Turn left on Hood Park Rd
7. Location is at end of road

# Ice Harbor Dam Lock

MSN-9.5R

**Position - Location:** 46° 15.054', -118° 53.035' 46° 15' 3.2", -118° 53' 2.1" 46.25090, -118.88391 Burbank

**Strategy Objective:** Collection : Collect oil coming downstream to or through the Ice Harbor Lock

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

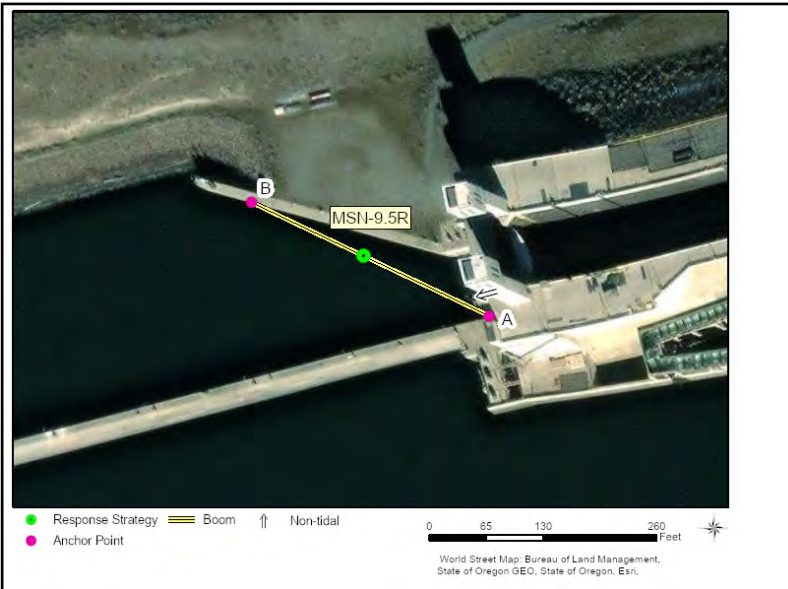
**Staging Area:** Remote: Stage equipment at SA-MSN-2.3L Hood Park (Hood Park Rd, Burbank, WA 99323).

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

**Field Notes:** Contact dam control room before deployment.

**Watercourse:** River - Below a Dam - Snake River (McNary Pool)

**Resources at Risk:** Lock and Dam, Sensitive Resources



## Recommended Equipment

|     |      |                                                            |
|-----|------|------------------------------------------------------------|
| 2   | Each | Anchoring System(s) - (anchor, lines, floats)              |
| 2   | Each | Anchoring System(s)- Shoreside                             |
| 300 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1   | Each | Pump(s)                                                    |
| 1   | Each | Vac Truck or Skimmer and Storage                           |
| 1   | Each | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |

## Ice Harbor Dam Lock

MSN-9.5R



MSN-9.5R Photo: From river, looking east/upriver towards lock. Low water conditions (July).

### Site Contact

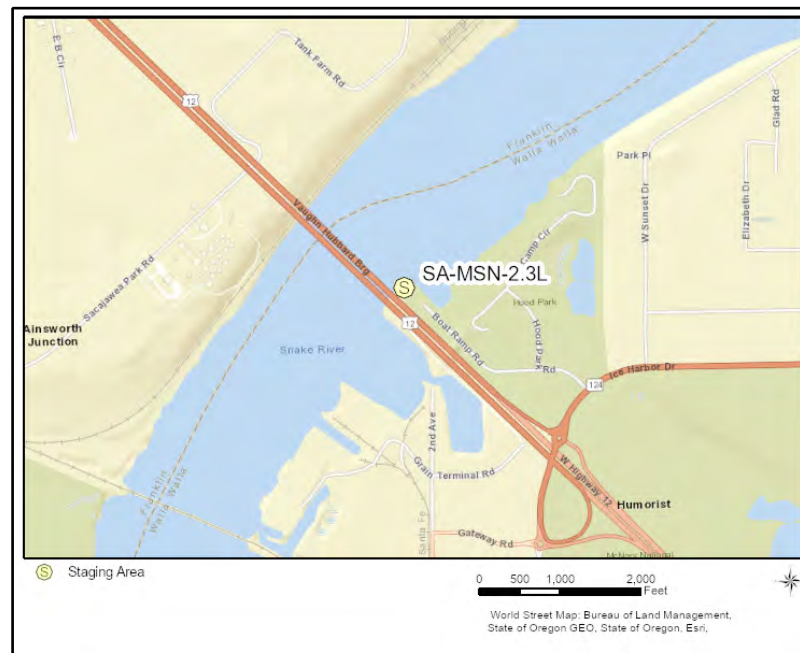
#### USACE Ice Harbor Control Room

Land/Property Contact :

Burbank, WA 99323  
509-543-3231

### Nearest Address

Hood Park Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hood Park (SABL-MSN-2.3L):

1. Head east on I-82
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take the exit on the right toward Burbank / Waitsburg
4. Keep right at the fork to merge onto 5th St
5. Bear right on Ice Harbor Dr (WA-124)
6. Turn left on Hood Park Rd
7. Location is at end of road

Address for oil collection:

Ice Harbor Rd, Pasco, WA 99301



## SE Road 27 (Pasco)

M-326.5L

**Position - Location:** 46° 12.528', -119° 3.910' 46° 12' 31.7", -119° 3' 54.6" 46.20880, -119.06517 Kennewick

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

**Implementation:** Using workboat, deploy 800ft boom at anchor point A. Secure remainder at anchor point B in river channel. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** This location is part of the Port of Pasco. Notify Franklin County before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



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

### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 8 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |





M-326.5L Photo: From the river, looking northeast towards riverbank (downriver is to the right). High water conditions (May).

#### Site Contact

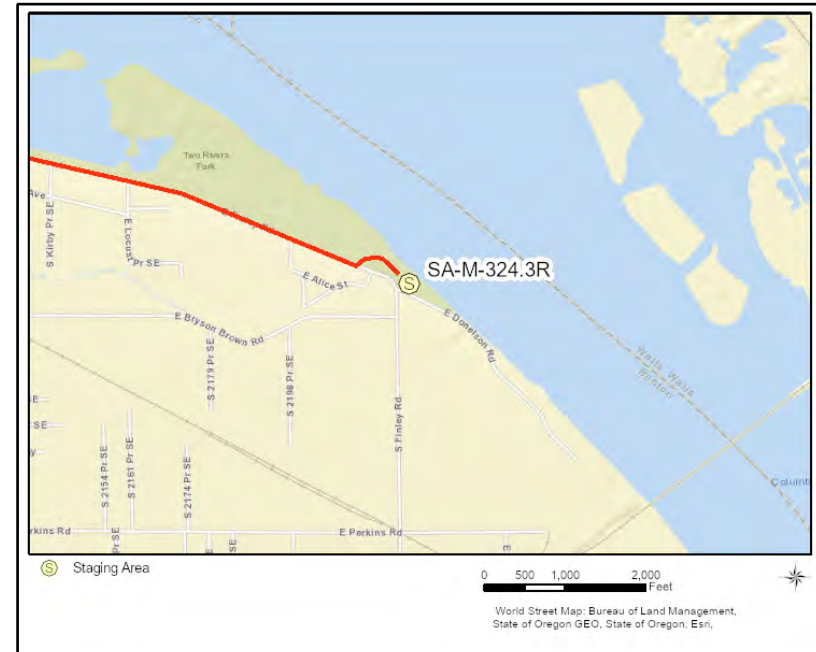
##### Franklin County

Municipality (County/City) : Emergency Management

Pasco, WA 99301  
509-545-3546

#### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end

## SE Road 20 (Pasco)

M-327.1L

**Position - Location:** 46° 12.763', -119° 4.589' 46° 12' 45.8", -119° 4' 35.3" 46.21271, -119.07648 Kennewick

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A (in river channel). Then extend remainder to the east and secure end near anchor point B (riverbank). Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** This location is part of the Port of Pasco. Notify Franklin County before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 7 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 800 Each | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



M-327.1L Photo: From collection point, looking northwest/upriver. Low water conditions (August).

#### Site Contact

##### Franklin County

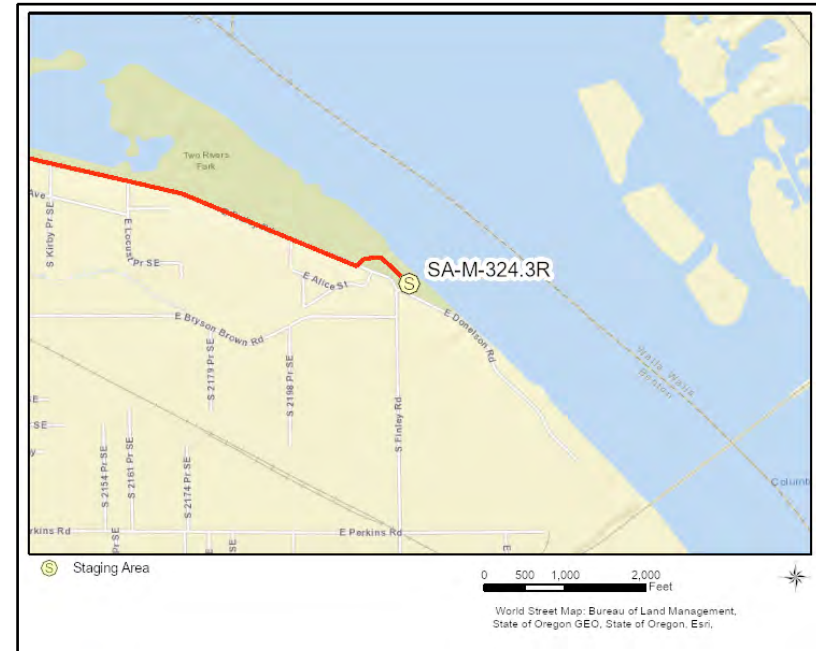
Municipality (County/City) : Emergency Management

Pasco, WA 99301

509-545-3546

#### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end

# Schlagel Park

M-328.0L

**Position - Location:** 46° 13.087', -119° 5.458' 46° 13' 5.2", -119° 5' 27.5" 46.21812, -119.09096 Kennewick

**Strategy Objective:** Exclusion : Keep oil away from city park.

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

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** Another name for this location is the Pasco Boat Basin (Columbia Marine Center operates a marina here). Notify Franklin County before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



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

0 55 110 220 Feet  
World Imagery: Maxar, Microsoft

## Recommended Equipment

|     |      |                                                            |
|-----|------|------------------------------------------------------------|
| 2   | Each | Anchoring System(s) - (anchor, lines, floats)              |
| 2   | Each | Anchoring System(s)- Shoreside                             |
| 300 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1   | Each | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |





M-328.0L Photo: From boat, looking north towards park and marina (downriver is to the right). High water conditions (May).

#### Site Contact

##### Franklin County

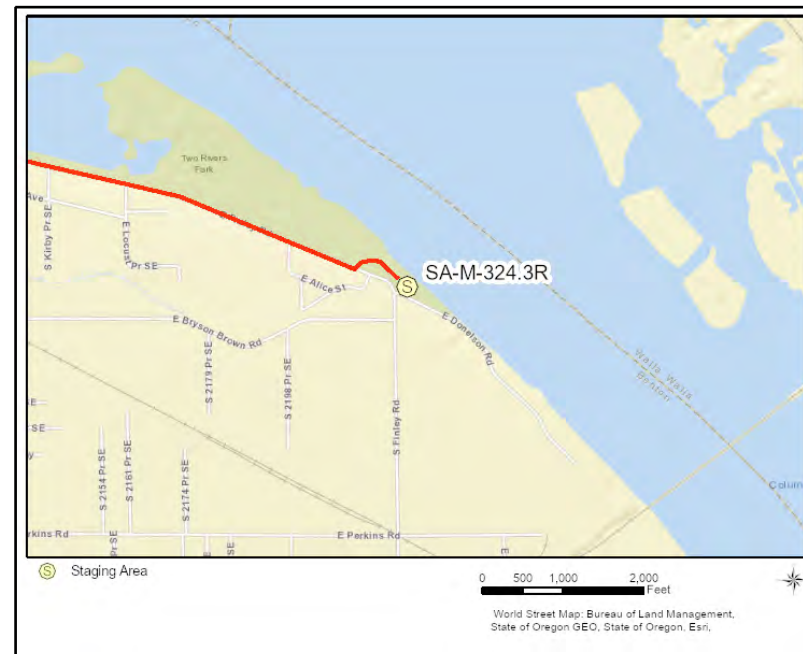
Municipality (County/City) : Emergency Management  
509-545-3546

##### City of Pasco

Municipality (County/City) : Recreation Services  
509-545-3456

#### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end



## West River Street & Ed Hendler Bridge

M-328.4L

**Position - Location:** 46° 13.193', -119° 6.065' 46° 13' 11.6", -119° 6' 3.9" 46.21988, -119.10109 Kennewick

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 900ft boom at anchor point A (bridge). Then extend remainder to the east and secure end near anchor point B (riverbank). Finally place 100ft along riverbank. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** Notify Franklin County before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 7 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 900 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## West River Street & Ed Hendler Bridge

M-328.4L



M-328.4L Photo: From collection point, looking west/upriver. Low water conditions (August).

### Site Contact

#### Franklin County

Municipality (County/City) : Emergency Management

Pasco, WA 99301

509-545-3546

### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end

Address for oil collection:

900 W River St, Pasco, WA 99301

## Clover Island (Upriver)

M-328.9R

**Position - Location:** 46° 12.940', -119° 7.047' 46° 12' 56.4", -119° 7' 2.8" 46.21567, -119.11745 Kennewick

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 700ft boom at anchor point A (river channel). Then extend remainder to the southeast and secure end near anchor point B (riverbank). Finally place 100ft along riverbank. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** This location is managed by the Port of Kennewick. Notify the port before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 6 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Clover Island (Upriver)

M-328.9R



M-328.9R Photo: From collection point, looking northwest/upriver. Low water conditions (July).

### Site Contact

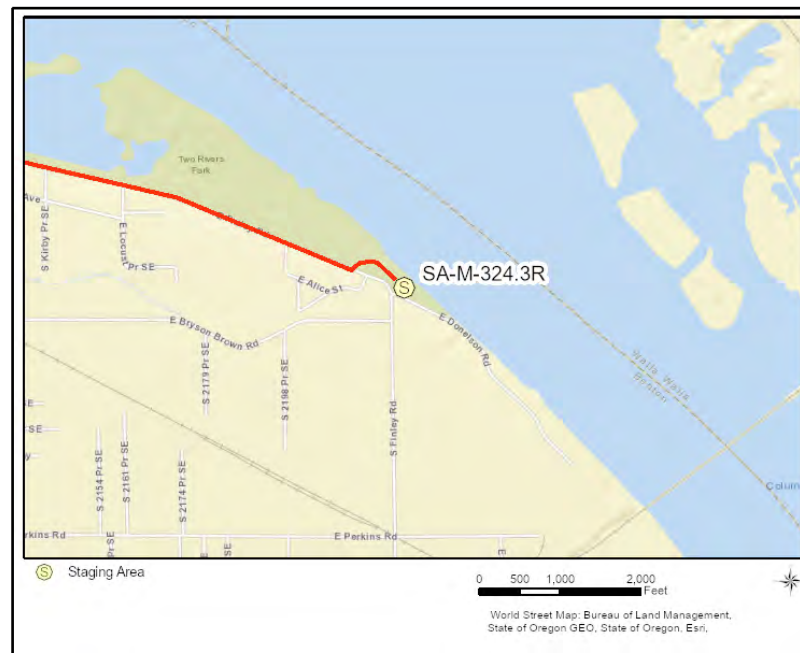
#### Port of Kennewick

Land/Property Contact :

Kennewick, WA 99336  
509-586-1186

### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end

Address for oil collection:

99 N Clover Island Dr, Kennewick, WA 99336



## Clover Island

M-329.0M

**Position - Location:** 46° 13.102', -119° 6.828' 46° 13' 6.1", -119° 6' 49.7" 46.21837, -119.11380 Kennewick

**Strategy Objective:** Deflection : Keep oil away from island.

**Implementation:** Using workboat, deploy 500ft boom at anchor point A (island). Secure remainder at anchor point B (river channel). Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** This location is managed by the Port of Kennewick. Notify the port before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Economic Resources, Marina, Resident Fish, Salmonids, Sensitive Resources, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 4 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 500 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |





M-329.0M Photo: From anchor point A, looking east/downriver. Low water conditions (July).

#### Site Contact

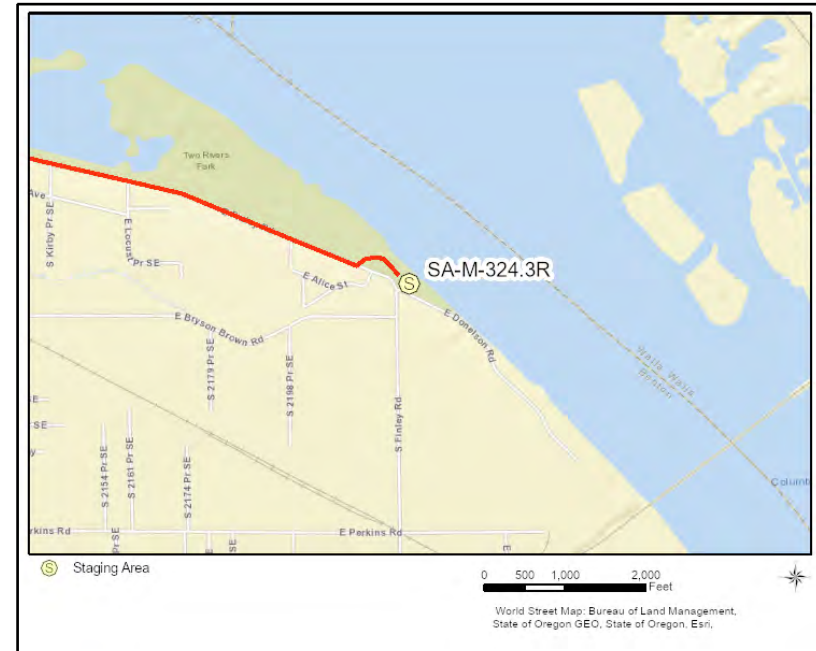
##### Port of Kennewick

Land/Property Contact :

Kennewick, WA 99336  
509-586-1186

#### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end

## Columbia Park East

M-330.3R

**Position - Location:** 46° 13.365', -119° 8.386' 46° 13' 21.9", -119° 8' 23.1" 46.22275, -119.13976 Kennewick

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 500ft boom at anchor point A (river channel). Then extend remainder to the southeast and secure end near anchor point B (riverbank). Finally place 200ft along riverbank. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-324.3R Two Rivers Park (220880 E Finley Rd, Kennewick, WA 99337).

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

**Field Notes:** Keep oil out of park pond. Notify the City of Kennewick before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 5 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 700 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



M-330.3R Photo: From collection point, looking northwest/upriver. Low water conditions (July).

#### Site Contact

##### City of Kennewick

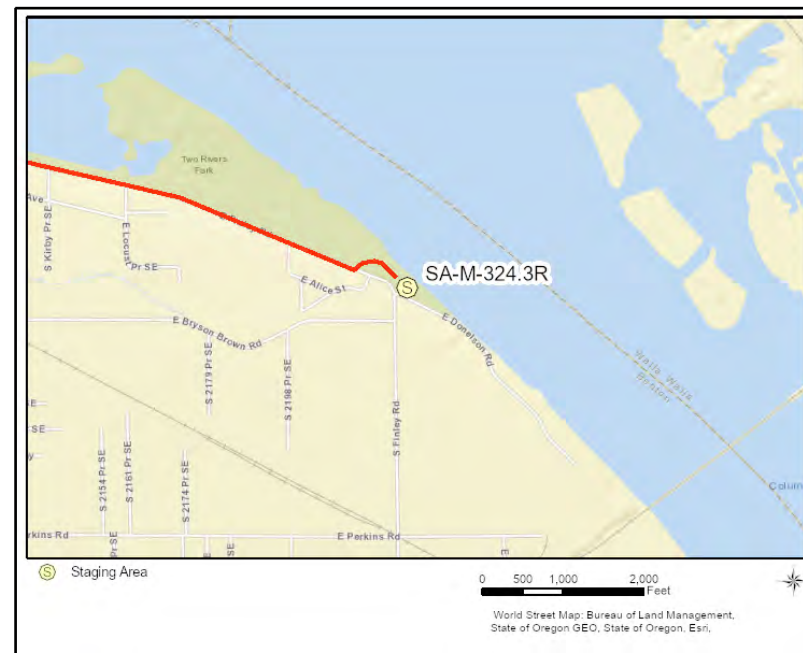
Municipality (County/City) : Parks & Recreation

Kennewick, WA 99338

509-585-4293

#### Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



#### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Two Rivers Park (SABL-M-324.3R):

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Bridge)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd, follow gravel road to the end

Address for oil collection:

Columbia Park Trail, Kennewick, WA 99336

## Wade Park

M-331.4L

**Position - Location:** 46° 13.945', -119° 9.865' 46° 13' 56.7", -119° 9' 51.9" 46.23241, -119.16441 Richland

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 500ft boom at anchor point A (river channel). Then extend to the east and secure end near anchor point B (riverbank). Finally place 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352).

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

**Field Notes:** Another objective of this strategy is to exclude oil from the water intake (notification strategy 331.5L-N). Notify Franklin County before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** City Park, Resident Fish, Salmonids, Sensitive Resources, Water Intakes, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 5 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 600 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



## Wade Park

M-331.4L



M-331.4L Photo: From end of dock, looking northwest towards anchor point A. Low water conditions (August).

### Site Contact

#### Franklin County

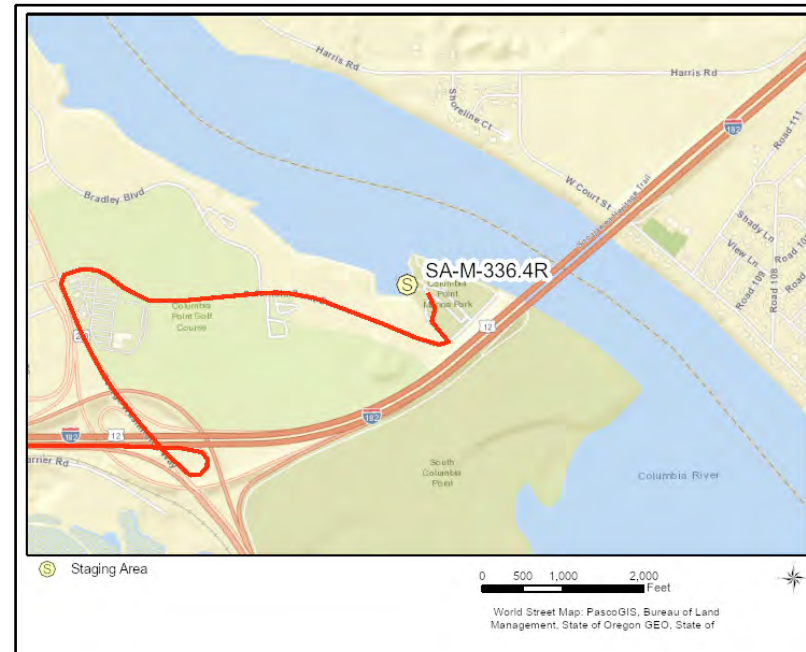
Municipality (County/City) : Emergency Management  
509-545-3546

#### City of Pasco

Land/Property Contact : Recreation Services  
509-545-3456

### Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Columbia Point Marina Park (SABL-M-336.4R):

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left

-----  
Address for oil collection:  
600 Rd 54, Pasco, WA 99301



## Columbia Park

M-332.8R

**Position - Location:** 46° 13.894', -119° 11.465' 46° 13' 53.7", -119° 11' 27.9" 46.23157, -119.19108 Richland

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 700ft boom at anchor point A (river channel). Then extend to the southeast and secure end near anchor point B (riverbank). Finally place 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352).

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

**Field Notes:** Notify City of Kennewick before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 7 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Columbia Park

M-332.8R



M-332.8R Photo: From riverbank, looking northwest/upriver towards anchor point A. Low water conditions (July).

### Site Contact

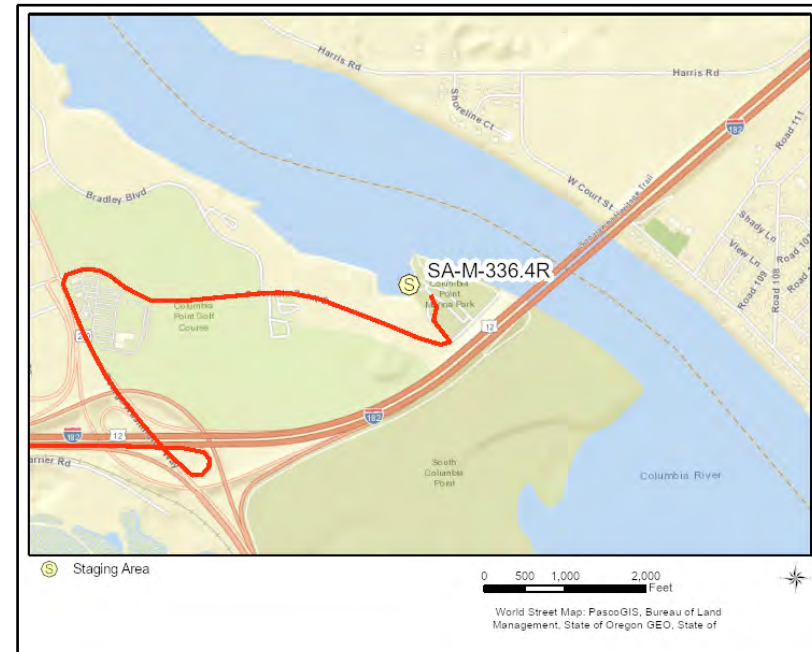
#### City of Kennewick

Municipality (County/City) : Parks & Recreation

Kennewick, WA 99338  
509-585-4293

### Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Columbia Point Marina Park (SABL-M-336.4R):

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left

-----  
Address for oil collection:

6555 Columbia Park Trail, Kennewick, WA 99336

## Carpet Island

M-333.3M

**Position - Location:** 46° 14.291', -119° 12.146' 46° 14' 17.4", -119° 12' 8.8" 46.23818, -119.20244 Richland

**Strategy Objective:** Deflection : Keep oil away from island.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A. Secure remainder to the south at anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352).

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

**Field Notes:** Notify Franklin County before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 9 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Carpet Island

M-333.3M



M-333.3M Photo: From the river, looking southeast towards the upriver end of the island. Low water conditions (August).

### Site Contact

#### Franklin County

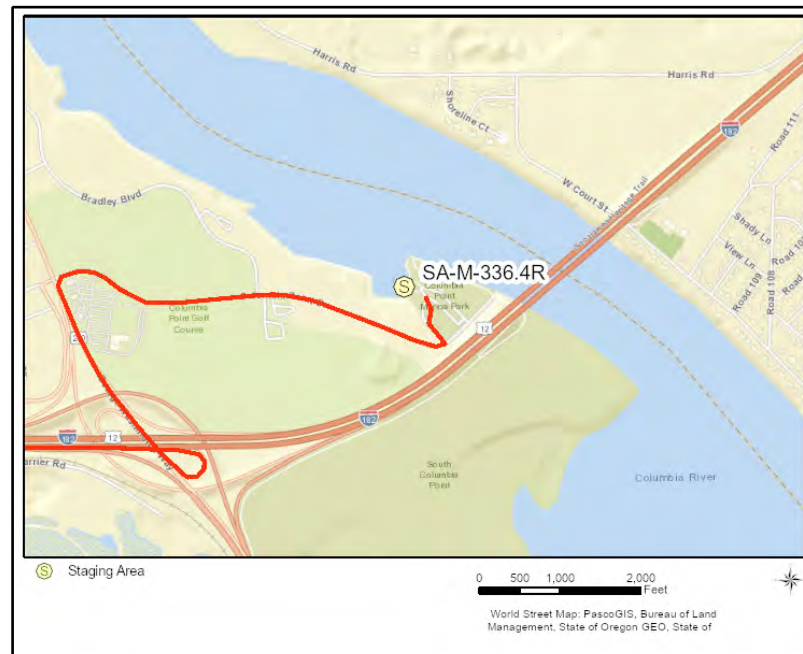
Municipality (County/City) : Emergency Management

Pasco, WA 99301

509-545-3546

### Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Columbia Point Marina Park (SABL-M-336.4R):

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left



# Chiawana Park

M-333.8L

**Position - Location:** 46° 14.548', -119° 12.322' 46° 14' 32.9", -119° 12' 19.3" 46.24247, -119.20536 Richland

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 500ft boom at anchor point A (river channel). Then extend to the southeast and secure end near anchor point B (riverbank). Finally place 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-336.4R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352).

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

**Field Notes:** Consider adding boom across boat basin entrance to keep oil out. Notify City of Pasco before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Backwater Habitat, City Park, Raptors, Resident Fish, Salmonids, Sensitive Resources



## Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 4 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 600 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



## Chiawana Park

M-333.8L



M-333.8L Photo: From riverbank, looking northwest/upriver towards anchor point A. Low water conditions (August).

### Site Contact

#### City of Pasco

Municipality (County/City) : Recreation Services

Pasco, WA 99301

509-545-3456

### Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Columbia Point Marina Park (SABL-M-336.4R):

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left

Address for oil collection:

2020 Rd 88, Pasco, WA 99301

## Yakima River Delta (Chamna)

M-334.0R

**Position - Location:** 46° 14.332', -119° 13.228' 46° 14' 19.9", -119° 13' 13.7" 46.23886, -119.22047 Richland

**Strategy Objective:** Collection : Collect oil before it enters the Columbia River.

**Implementation:** Using workboat, deploy 800ft boom in river channel. Then extend remainder to the southeast and anchor near boat ramp. Also, deploy an additional 100ft boom along riverbank to form collection pocket. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

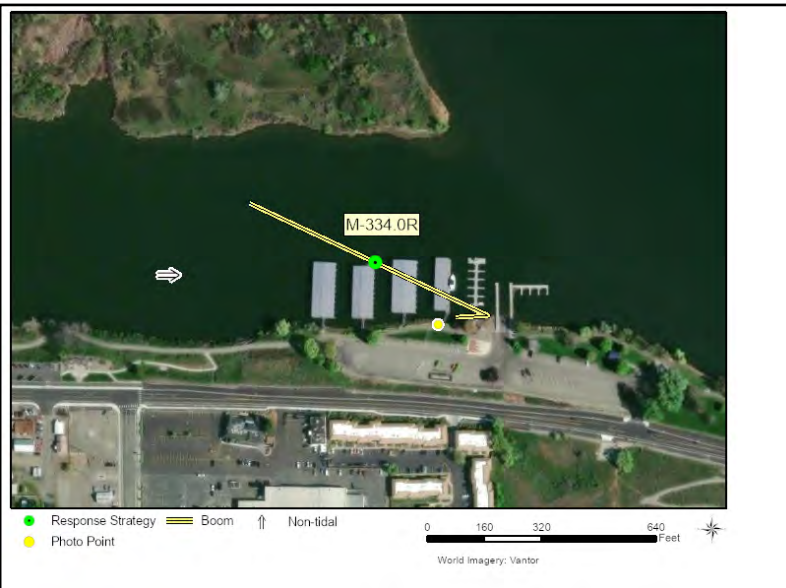
**Staging Area:** Onsite: Stage equipment onsite.

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

**Field Notes:** The causeway leading to Bateman Island was removed in early 2026. Notify USACE before deployment. Also, the marina that used to be here is no more so disregard the satellite imagery.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 7 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 900 Feet | Boom - B2 (18" to 42")                                     |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |

## Yakima River Delta (Chamna)

M-334.0R



M-334.0R Photo: From the right riverbank (on the Yakima), looking west/upriver (Bateman Island is on the right). High water conditions (April).

### Site Contact

#### Benton County

Municipality (County/City) : Emergency Services  
509-628-8092

#### USACE

Land/Property Contact : Tri-Rivers Natural Resources  
Mgmt  
509-547-2048

### Nearest Address

1776 Columbia Park Trail  
Richland, WA 99352



### Driving Directions

## Bateman Island

M-334.3M

**Position - Location:** 46° 14.587', -119° 13.288' 46° 14' 35.2", -119° 13' 17.3" 46.24311, -119.22146 Richland

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

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

**Staging Area:** Remote: Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352).

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

**Field Notes:** USACE manages Bateman Island. Notify Benton County before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Recreational Use Area, Salmonids, Shorebirds, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 3 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 400 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |





M-334.3M Photo: From the river, looking west towards backwater area within the island. Low water conditions (August).

## Site Contact

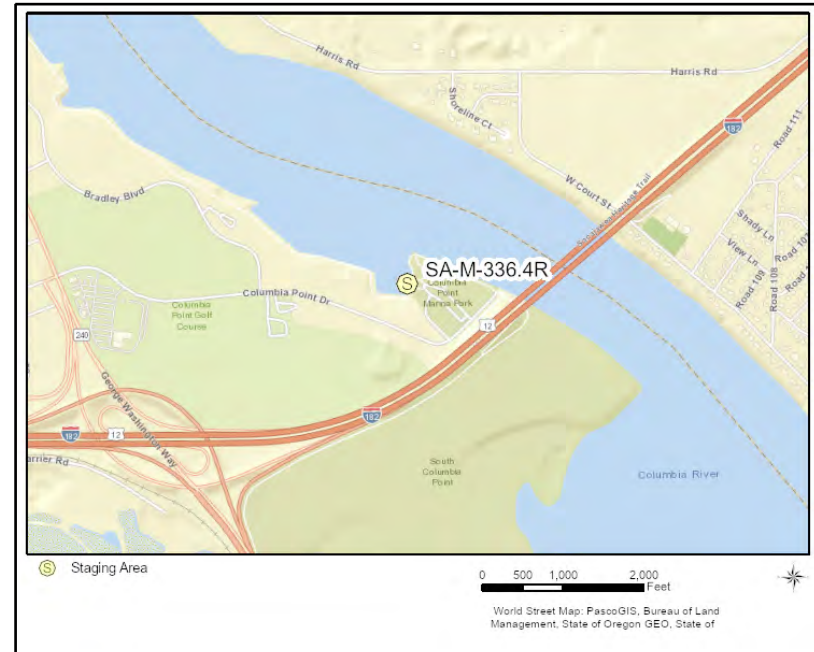
### Benton County

Municipality (County/City) : Emergency Services

Richland, WA 99352  
509-628-8092

## Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Columbia Point Marina Park (SABL-M-336.4R):

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left



## Chiawana Park (Upriver)

M-334.5L

**Position - Location:** 46° 14.819', -119° 12.974' 46° 14' 49.2", -119° 12' 58.5" 46.24699, -119.21624 Richland

**Strategy Objective:** Deflection : Keep oil away from park riverbank.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A (riverbank). Secure remainder to the south at anchor point B (river channel). Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352).

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

**Field Notes:** Park is co-managed by the City of Pasco and USACE. Notify Franklin County before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** City Park, Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 8 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Chiawana Park (Upriver)

M-334.5L



M-334.5L Photo: From the riverbank, looking south/downriver. Low water conditions (August).

### Site Contact

#### City of Pasco

Land/Property Contact : Recreation Services  
509-545-3456

#### Franklin County

Municipality (County/City) : Emergency Management  
509-545-3546

### Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Columbia Point Marina Park (SABL-M-336.4R):

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left

Address for oil collection:

2020 Rd 88, Pasco, WA 99301

## Bateman Island - North

M-335.0M

**Position - Location:** 46° 15.074', -119° 13.757' 46° 15' 4.4", -119° 13' 45.4" 46.25123, -119.22929 Richland

**Strategy Objective:** Deflection : Keep oil away from the eastern side of the island.

**Implementation:** Using workboat, deploy 900ft boom at anchor point A. Secure remainder in river channel at anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

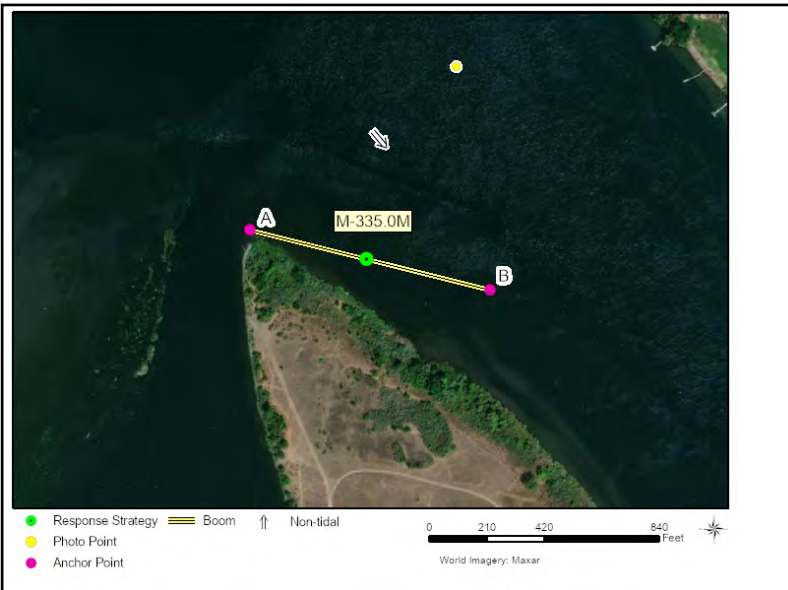
**Staging Area:** Remote: Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352).

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

**Field Notes:** USACE manages this public area.

**Watercourse:** River - Above a Dam - Columbia River (Lake Wallula)

**Resources at Risk:** Recreational Use Area, Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 8 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 900 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |



M-335.0M Photo: From the Columbia river, looking southwest towards the tip of the island (anchor point A). Yakima River mouth is on the right. Low water conditions (August).

## Site Contact

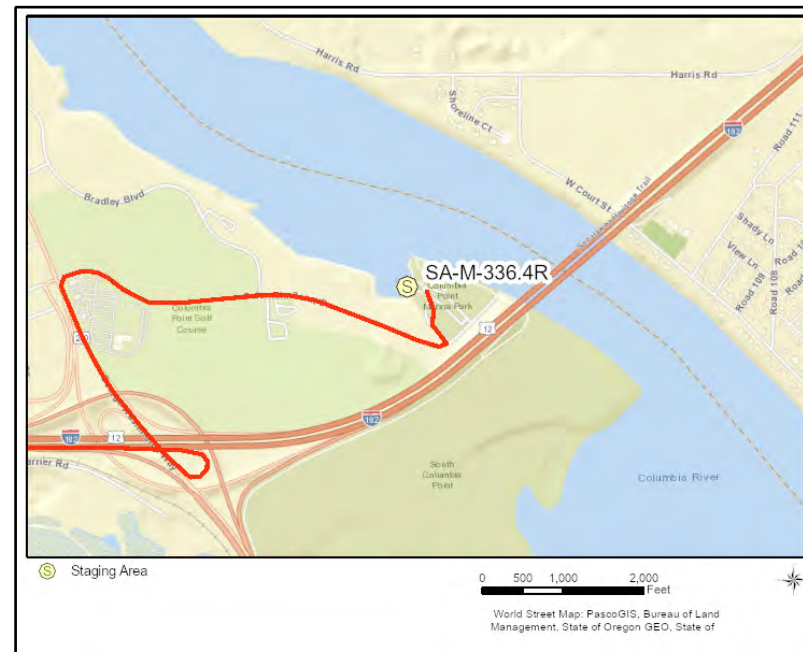
### USACE

Land/Property Contact : Tri-Rivers Natural Resources Mgmt

Burbank, WA  
509-547-2048

## Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Columbia Point Marina Park (SABL-M-336.4R):

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left

## Columbia Point

M-335.8R

**Position - Location:** 46° 15.594', -119° 14.265' 46° 15' 35.6", -119° 14' 15.9" 46.25990, -119.23775 Richland

**Strategy Objective:** Deflection : Keep oil out of Yakima River.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A. Secure remainder in river channel at anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352).

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

**Field Notes:** The City of Richland manages this public area.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Federal Lands, Resident Fish, Salmonids, Sensitive Resources, Shellfish, Shorebirds, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 7 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |



## Columbia Point

M-335.8R



M-335.8R Photo: From the point, looking south towards Yakima River confluence. Low water conditions (July).

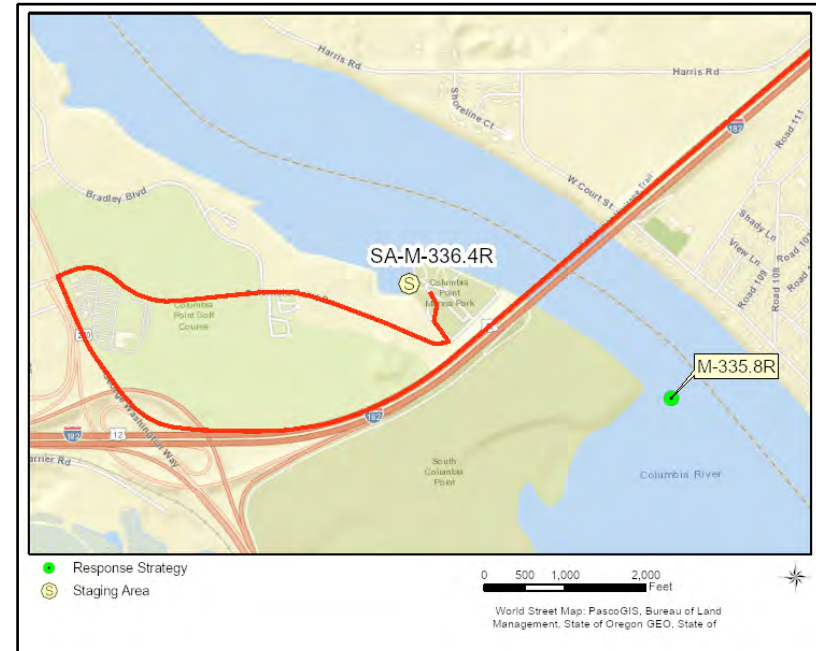
### Site Contact

#### City of Richland

Primary Contact : Parks & Public Facilities  
505 Amon Park Dr  
Richland, WA 99352  
509-942-7664

### Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Columbia Point Marina Park (SABL-M-336.4R):

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left

## Riverfront Trail Under I-182 Bridge

M-336.1R

**Position - Location:** 46° 15.836', -119° 14.720' 46° 15' 50.2", -119° 14' 43.2" 46.26394, -119.24533 Richland

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A. Then extend 700ft to the southeast and secure end near anchor point B. Finally place 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352).

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

**Field Notes:** A fence blocks vehicle traffic onto the Riverfront Trail. Work with the city to open the gate.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 6 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Riverfront Trail Under I-182 Bridge

M-336.1R



M-336.1R Photo: From below the bridge, looking northwest towards anchor point A. Low water conditions (July).

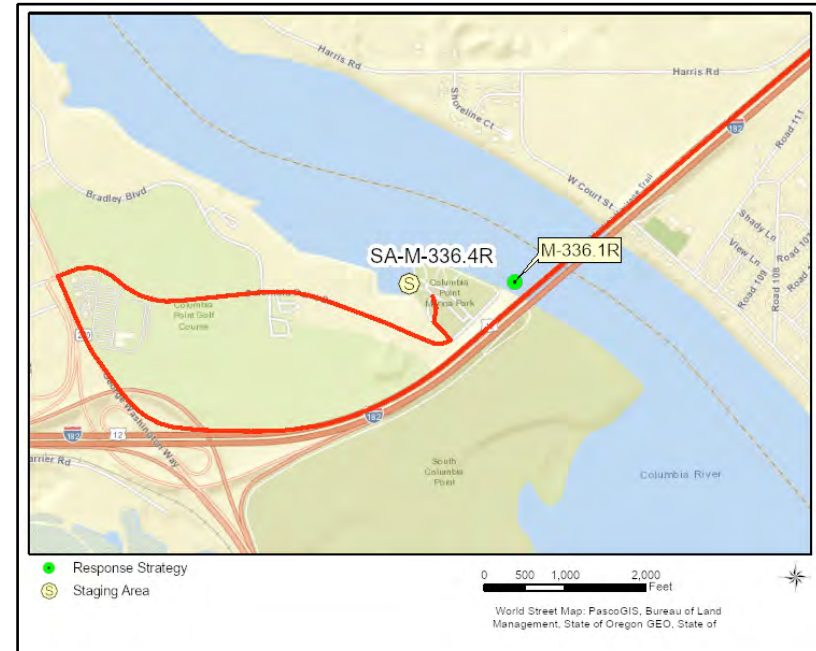
### Site Contact

#### City of Richland

Primary Contact : Parks & Public Facilities  
505 Amon Park Dr  
Richland, WA 99352  
509-942-7664

### Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Columbia Point Marina Park (SABL-M-336.4R):

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left

## Columbia Point Marine Park (Downriver)

M-336.4R

**Position - Location:** 46° 15.914', -119° 15.017' 46° 15' 54.9", -119° 15' 1.0" 46.26524, -119.25029 Richland

**Strategy Objective:** Deflection : Keep oil away from marina.

**Implementation:** Using workboat, deploy 200ft boom at anchor point A (jetty). Secure remainder to the east at anchor point B (river channel). Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

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

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

**Field Notes:** There is another entrance to the marina 0.3 miles upriver (deploy 336.7R strategy as well). Notify Benton County before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

|     |      |                                                            |
|-----|------|------------------------------------------------------------|
| 2   | Each | Anchoring System(s) - (anchor, lines, floats)              |
| 1   | Each | Anchoring System(s)- Shoreside                             |
| 200 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1   | Each | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |



## Columbia Point Marine Park (Downriver)

M-336.4R



M-336.4R Photo: From entrance to marina, looking west. Low water conditions (July).

### Site Contact

#### Benton County

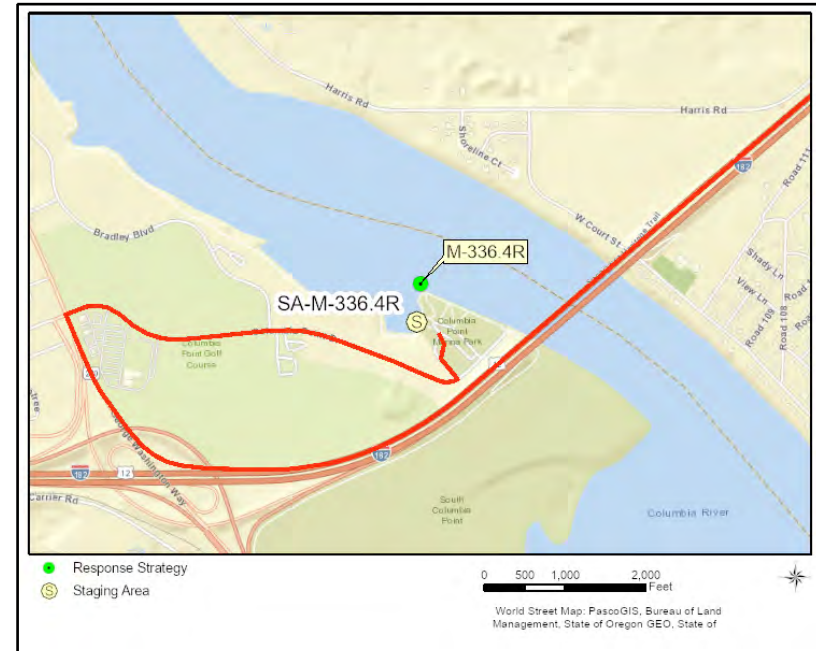
Municipality (County/City) : Emergency Services  
509-628-8092

#### City of Richland

Land/Property Contact : Parks & Public Facilities  
509-942-7664

### Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



### Driving Directions

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left



## Columbia Point Marina Park (Upriver)

M-336.7R

**Position - Location:** 46° 16.001', -119° 15.401' 46° 16' .1", -119° 15' 24.1" 46.26669, -119.25669 Richland

**Strategy Objective:** Exclusion : Keep oil away from marina.

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

**Staging Area:** Remote: Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352).

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

**Field Notes:** There is another entrance to the marina 0.3 miles downriver (deploy 336.4R strategy as well). Notify Benton County before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 5 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 600 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 3 Laborer       |
| 1 Supervisor    |

## Columbia Point Marina Park (Upriver)

M-336.7R



M-336.7R Photo: From pedestrian trail, looking northeast. Low water conditions (July).

### Site Contact

#### Benton County

Municipality (County/City) : Emergency Services

Richland, WA 99352

509-628-8092

### Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Columbia Point Marina Park (SABL-M-336.4R):

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left

## Howard Amon Park (Downriver)

M-337.3R

**Position - Location:** 46° 16.351', -119° 16.051' 46° 16' 21.0", -119° 16' 3.1" 46.27251, -119.26752 Richland

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 700ft at anchor point A. Then extend to the south and secure end near anchor point B. Finally place 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-337.8R Howard Amon Park (Amon Park Dr, Richland, WA 99352).

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

**Field Notes:** This strategy is located at the southern end of the city park.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** City Park, Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 6 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Howard Amon Park (Downriver)

M-337.3R



M-337.3R Photo: From jetty, looking northwest/upriver towards anchor point A. Low water conditions (July).

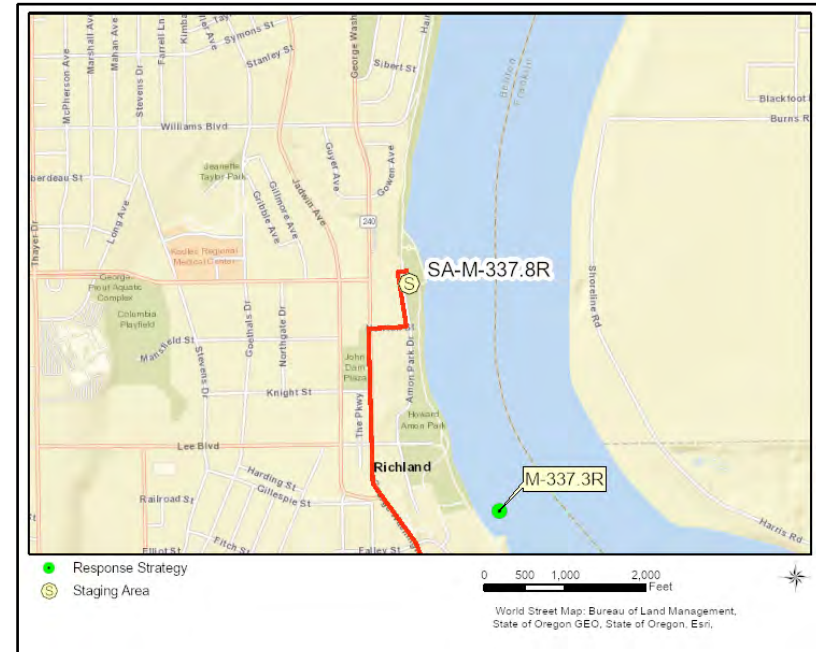
### Site Contact

#### City of Richland

Primary Contact : Parks & Public Facilities  
505 Amon Park Dr  
Richland, WA 99352  
509-942-7664

### Nearest Address

Amon Park Dr  
Richland, WA 99352



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Howard Amon Park (SABL-M-337.8R):

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Turn right on Newton St
5. Location is on the left



## Howard Amon Park (Upriver)

M-337.8R

**Position - Location:** 46° 16.878', -119° 16.211' 46° 16' 52.7", -119° 16' 12.7" 46.28130, -119.27019 Richland

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A. Then extend 700ft to the southwest and secure end near anchor point B. Finally place 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

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

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

**Field Notes:** None

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** City Park, Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 6 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

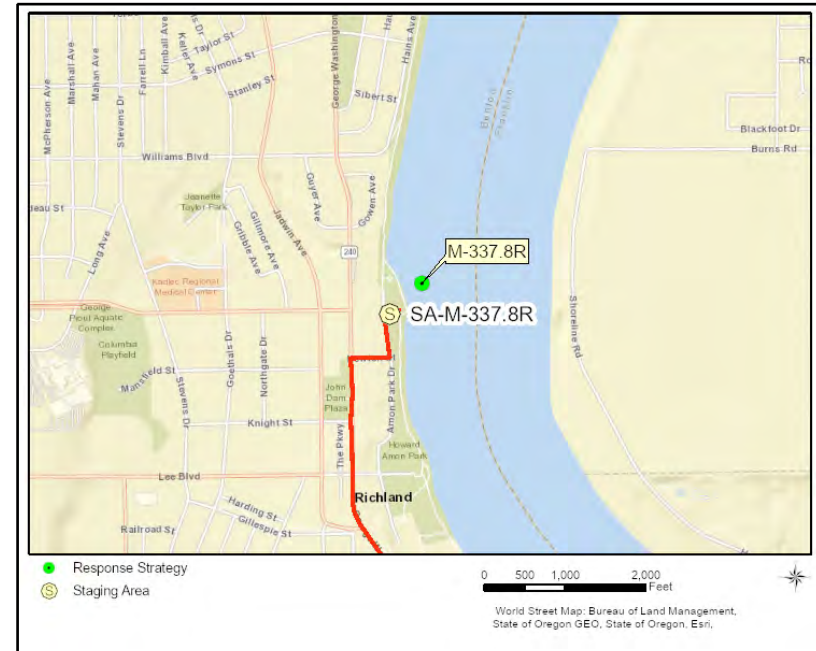


## Howard Amon Park (Upriver)

M-337.8R



M-337.8R Photo: From dock, looking north/upriver towards anchor point A. Low water conditions (July).



### Site Contact

#### City of Richland

Primary Contact : Parks & Public Facilities  
505 Amon Park Dr  
Richland, WA 99352  
509-942-7664

### Nearest Address

Amon Park Dr  
Richland, WA 99352

### Driving Directions

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Turn right on Newton St
5. Location is on the left

## Road 116/Burns Road

M-338.2L

**Position - Location:** 46° 17.159', -119° 15.795' 46° 17' 9.6", -119° 15' 47.7" 46.28599, -119.26325 Richland

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 600ft boom at anchor point A. Then extend boom to the southeast and secure end near anchor point B. Finally place 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-336.4R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352).

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

**Field Notes:** Notify Franklin County before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 6 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 700 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Road 116/Burns Road

M-338.2L



M-338.2L Photo: From the riverbank, looking north/upriver. Low water conditions (August).

### Site Contact

#### Franklin County

Municipality (County/City) : Emergency Management

Pasco, WA 99301  
509-545-3546

### Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Columbia Point Marina Park (SABL-M-336.4R):

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left

## Leslie Groves Park

M-340.3R

**Position - Location:** 46° 18.949', -119° 15.548' 46° 18' 56.9", -119° 15' 32.9" 46.31581, -119.25913 Richland

**Strategy Objective:** Deflection : Keep oil away from park riverbank.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A. Secure remainder in river channel at anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-340.1R Leslie Groves Park (50 Snyder St, Richland, WA 99354).

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

**Field Notes:** The City of Richland draws drinking water from the river at this location (M-340.2R-N).

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** City Park, Resident Fish, Salmonids, Sensitive Resources, Water Intakes, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 7 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



## Leslie Groves Park

M-340.3R



M-340.3R Photo: From riverbank, looking north towards anchor point A. Low water conditions (July).

### Site Contact

#### City of Richland

Primary Contact : Parks & Public Facilities  
505 Amon Park Dr  
Richland, WA 99352  
509-942-7664

### Nearest Address

50 Snyder St  
Richland, WA 99354



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Leslie Groves Park (SABL-M-340.1R):

1. Head east on I-82
2. Turn right to merge onto I-82 E / US-12 E / US-97 S toward Richland
3. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
4. Take exit 4 on the right to merge onto the highway toward Wellsian Way / WA-240 W / Vantage
5. At the traffic light, turn right on Saint St
6. At the traffic light, turn left on George Washington Way
7. Turn right on Snyder St
8. Location is on the right



# Selph Landing

M-340.7L

**Position - Location:** 46° 19.284', -119° 14.945' 46° 19' 17.0", -119° 14' 56.7" 46.32140, -119.24908 Richland

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 600ft boom at anchor point A. Then extend boom to the southeast and secure end near anchor point B. Finally place 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-336.4R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352).

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

**Field Notes:** Notify Franklin County before deployment.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

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



## Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 6 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 1 Each   | Anchoring System(s)- Shoreside                             |
| 700 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage (if collection)           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |

## Selph Landing

M-340.7L



M-340.7L Photo: From the riverbank, looking north/upriver. Low water conditions (August).

### Site Contact

#### Franklin County

Municipality (County/City) : Emergency Management  
509-545-3546

#### USACE Ice Harbor pool

Secondary Contact : Tri-Rivers Natural Resources  
Management Office  
509-547-2048

### Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Columbia Point Marina Park (SABL-M-336.4R):

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left

Address for oil collection:

10099 Selph Landing Rd, Pasco, WA 99301

# White Tail Bay

WWR-3.8L

**Position - Location:** 46° 3.484', -118° 54.350' 46° 3' 29.0", -118° 54' 21.0" 46.05806, -118.90583 Burbank

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

**Implementation:** Using workboat, deploy 200ft boom at anchor point A. Then extend remainder west to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

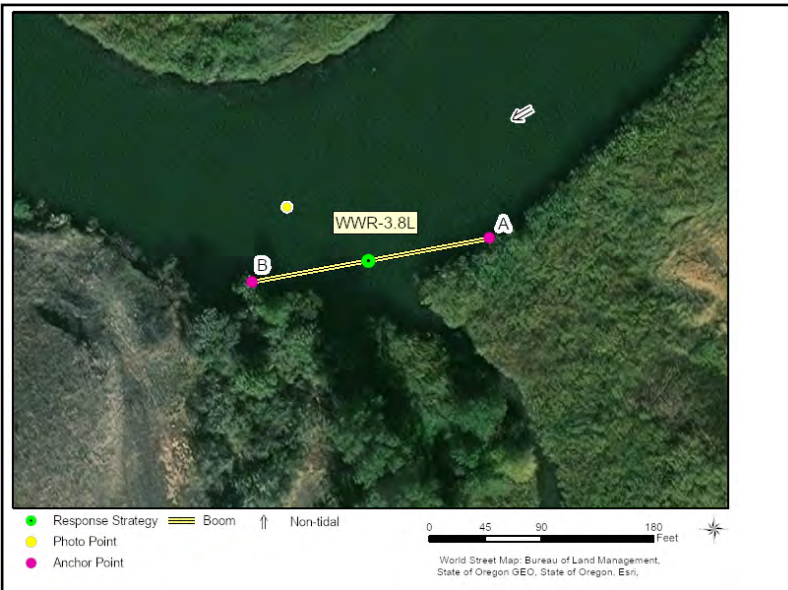
**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.

**Watercourse:** River - Walla Walla River

**Resources at Risk:** Herons, Mud Flat(s), Raptors, Resident Fish, Riparian Habitat, Salmonids, Shorebirds, Waterfowl, Wetlands, Wildlife Refuge



## Recommended Equipment

|     |      |                                                            |
|-----|------|------------------------------------------------------------|
| 1   | Each | Anchoring System(s) - (anchor, lines, floats)              |
| 2   | Each | Anchoring System(s)- Shoreside                             |
| 200 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1   | Each | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |

## White Tail Bay

WWR-3.8L



WWR-3.8L Photo: From boat, looking southeast into bay. Low water conditions (August).

### Site Contact

#### USFWS Mid-Columbia National Wildlife Refuges

Land/Property Contact :

Burbank, WA 99323  
208-252-0805

### Nearest Address

N Shore Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Madame Dorion Memorial Park (SABL-WWR-4.0R):

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madame Dorion boat launch on the right



# Madame Dorion Memorial Park

WWR-4.0R

**Position - Location:** 46° 3.751', -118° 54.178' 46° 3' 45.0", -118° 54' 10.7" 46.06251, -118.90296 Burbank

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 300ft boom at anchor point A (left riverbank). Then extend remainder to the southwest and secure end near anchor point B (boat launch). Finally place an additional 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

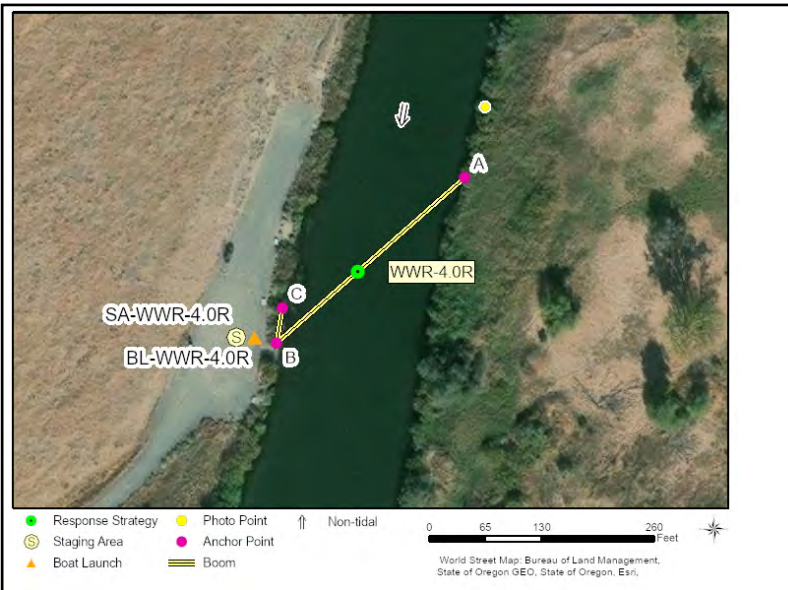
**Staging Area:** Onsite: Stage equipment onsite.

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

**Field Notes:** This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.

**Watercourse:** River - Above a Dam - Walla Walla River

**Resources at Risk:** Herons, Mud Flat(s), Raptors, Resident Fish, Riparian Habitat, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge



## Recommended Equipment

|     |      |                                                            |
|-----|------|------------------------------------------------------------|
| 2   | Each | Anchoring System(s) - (anchor, lines, floats)              |
| 2   | Each | Anchoring System(s)- Shoreside                             |
| 400 | Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1   | Each | Vac Truck or Skimmer and Storage                           |
| 1   | Each | Workboat(s) - of adequate size for type and amount of boom |

## Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 2 | Laborer       |
| 1 | Supervisor    |





WWR-4.0R Photo: From the air, looking southwest towards the boat ramp at Madame Dorion Park. Low water conditions (September).

## Site Contact

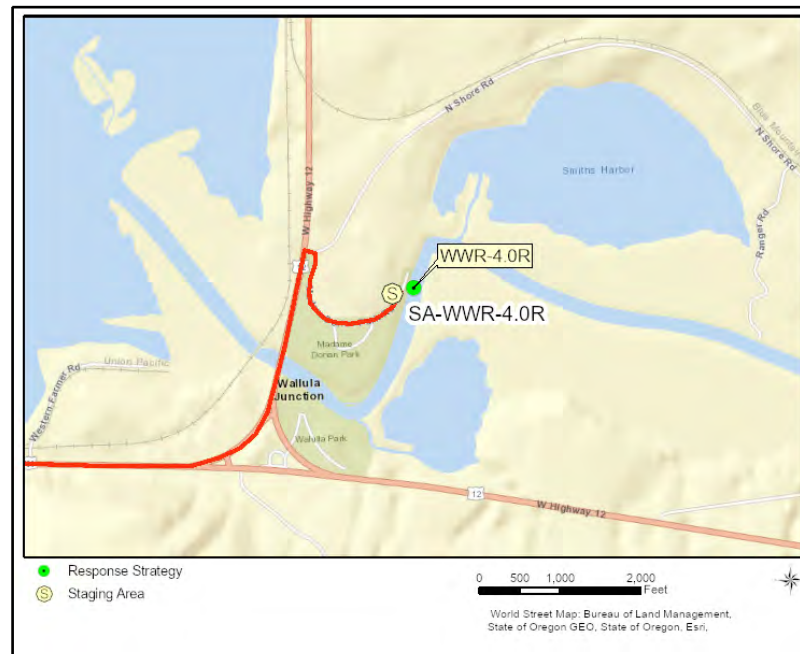
### USFWS Mid-Columbia National Wildlife Refuges

Land/Property Contact :

Burbank, WA 99323  
208-252-0805

## Nearest Address

N Shore Rd  
Burbank, WA 99323



## Driving Directions

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madam Dorian boat launch on the right

## Smiths Harbor/Sanctuary Pond

WWR-4.2R

**Position - Location:** 46° 3.844', -118° 54.050' 46° 3' 50.6", -118° 54' 3.0" 46.06406, -118.90083 Burbank

**Strategy Objective:** Exclusion : Keep oil out of harbor/pond.

**Implementation:** Using workboat, deploy 200ft boom at anchor point A. Then extend remainder west to anchor point B. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

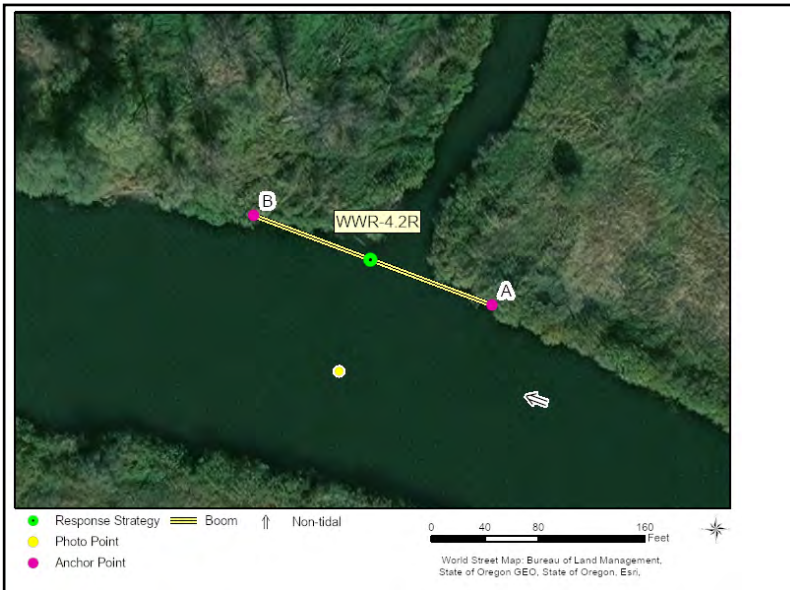
**Staging Area:** Remote: Stage equipment at SA-WWR-4.0R Madame Dorion Memorial Park (N Shore Rd, Burbank, WA 99323).

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

**Field Notes:** This location is part of the McNary National Wildlife Refuge. Notify USFWS before deployment.

**Watercourse:** River - Walla Walla River

**Resources at Risk:** Herons, Mud Flat(s), Raptors, Resident Fish, Riparian Habitat, Salmonids, Shorebirds, Waterfowl, Wetlands, Wildlife Refuge



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 1 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 2 Each   | Anchoring System(s)- Shoreside                             |
| 200 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|                 |
|-----------------|
| 1 Boat Operator |
| 2 Laborer       |
| 1 Supervisor    |

## Smiths Harbor/Sanctuary Pond

WWR-4.2R



WWR-4.2R Photo: From boat, looking northeast into bay. Low water conditions (August).

### Site Contact

**USFWS Mid-Columbia National Wildlife Refuges**  
Land/Property Contact :

Burbank, WA 99323  
208-252-0805

### Nearest Address

N Shore Rd  
Burbank, WA 99323



### Driving Directions

TO STAGING AREA/BOAT LAUNCH at Madame Dorion Memorial Park (SABL-WWR-4.0R):

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madame Dorion boat launch on the right

## Riverview Natural Preserve

YAK-2.1L

**Position - Location:** 46° 15.245', -119° 15.419' 46° 15' 14.7", -119° 15' 25.1" 46.25409, -119.25698 Richland

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 800ft boom at anchor point A. Then extend 700ft to the northeast and secure end near anchor point B. Finally place 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352).

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

**Field Notes:** Work with the City of Richland to obtain access for a vac truck.

**Watercourse:** River - Yakima River

**Resources at Risk:** City Park, Resident Fish, Salmonids, Sensitive Resources, Shellfish, Shorebirds, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 5 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 3 Each   | Anchoring System(s)- Shoreside                             |
| 800 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |





YAK-2.1L Photo: From the riverbank, looking west/upriver towards anchor point A. Low water conditions (July).

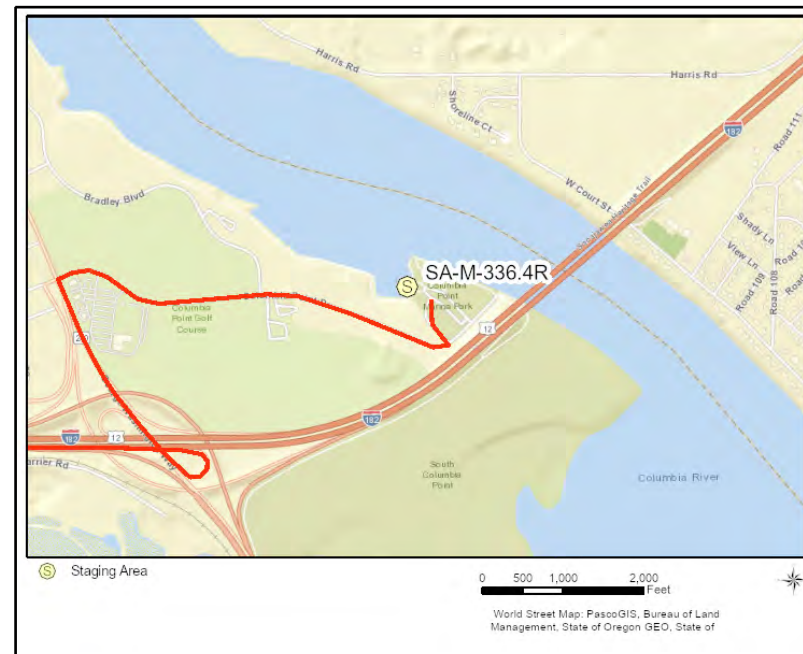
## Site Contact

### City of Richland

Land/Property Contact : Parks & Public Facilities  
505 Amon Park Dr  
Richland, WA 99352  
509-942-7664

## Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Columbia Point Marina Park (SABL-M-336.4R):

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left



## Chamna Natural Preserve

YAK-4.2L

**Position - Location:** 46° 15.430', -119° 17.318' 46° 15' 25.8", -119° 17' 19.1" 46.25717, -119.28863 Richland

**Strategy Objective:** Collection : Collect oil moving downriver.

**Implementation:** Using workboat, deploy 700ft boom at anchor point A. Then extend 600ft to the southeast and secure end near anchor point B. Finally place 100ft along riverbank near anchor point C. Use anchoring systems as needed to keep boom secure. Adjust boom angle and anchor points as needed for conditions. Use anchor posts, existing structures, or trees to secure boom to riverbank.

**Staging Area:** Remote: Stage equipment at SA-M-336.1R Columbia Point Marina Park (660 Columbia Point Dr, Richland, WA 99352).

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

**Field Notes:** This area is part of the Tapteal Water Trail. Work with the City of Richland to obtain access for a vac truck.

**Watercourse:** River - Yakima River

**Resources at Risk:** City Park, Resident Fish, Salmonids, Sensitive Resources, Shorebirds, Waterfowl



### Recommended Equipment

|          |                                                            |
|----------|------------------------------------------------------------|
| 4 Each   | Anchoring System(s) - (anchor, lines, floats)              |
| 3 Each   | Anchoring System(s)- Shoreside                             |
| 700 Feet | Boom - B2 (Contractor Boom) or equivalent                  |
| 1 Each   | Vac Truck or Skimmer and Storage                           |
| 1 Each   | Workboat(s) - of adequate size for type and amount of boom |

### Recommended Personnel

|   |               |
|---|---------------|
| 1 | Boat Operator |
| 3 | Laborer       |
| 1 | Supervisor    |



YAK-4.2L Photo: From collection point, looking northwest/upriver towards anchor point A. Low water conditions (July).

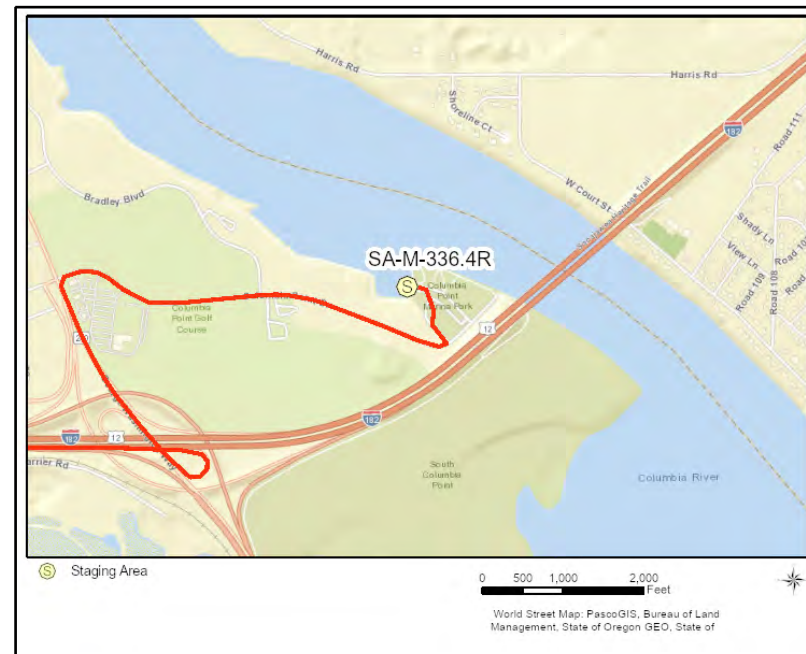
## Site Contact

### City of Richland

Land/Property Contact : Parks & Public Facilities  
505 Amon Park Dr  
Richland, WA 99352  
509-942-7664

## Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Columbia Point Marina Park (SABL-M-336.4R):

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left

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## **APPENDIX B**

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

## City of Umatilla Public Works Department

M-293.0L-N

**Position - Location:** 45° 55.828', -119° 17.305' 45° 55' 49.7", -119° 17' 18.3" 45.93047, -119.28841 Umatilla

**Strategy Objective:** Notification : Alert to need to monitor and potentially shut off large municipal wells &/or surface water intake.

**Implementation:** Call Director of Public Works, at 509-572-0323 (24 hrs). Contact City of Umatilla Public Works Department & notify to monitor situation and potentially shut off wells or water intakes.

**Field Notes:** Large municipal well located less than 500 feet from river bank. The City is working on having surface water rights activated also and may need to shut down intakes if active.

**Watercourse:** River - Above a Dam - McNary Pool

**Resources at Risk:** Water Intakes

### Communication Process and Action:

Call Director of Public Works, at 509-572-0323 (24 hrs)







M-293.0L-N Photo: City of Umatilla Public Works Department



#### Site Contact

##### City of Umatilla Public Works Department

Primary Contact : Director of Public Works  
700 Sixth St  
Umatilla, OR 97882  
509-572-0323

#### Nearest Address

700 Sixth Street  
Umatilla, OR 97882

#### Driving Directions

1. Directions to the City of Umatilla Public Works Department offices, starting at Pasco, WA
2. Go south on N 8th Ave toward W Marie St (0.2 miles)
3. Turn right on W Margaret St (0.09 miles)
4. Turn left on N 10th Ave (0.06 miles)
5. Turn right on W Park St (0.11 miles)
6. Turn left on N 12th Ave (0.06 miles)
7. Turn right on W Nixon St (0.11 miles)
8. Turn left on N 14th Ave (0.06 miles)
9. Turn right on W Sylvester St (0.74 miles)
10. Turn left on N 24th Ave (N Road 24) (0.22 miles)
11. Turn right on W Lewis St (0.47 miles)
12. Take ramp and go on US-395 S (0.78 miles)
13. At fork keep left on US-395 (5.18 miles)
14. Take ramp on the left and go on I-82 E/US-395 S toward Pendleton/Umatilla (20.99 miles)
15. At exit 1 take ramp on the right to US-395/US-730 toward Umatilla/Hermiston (0.08 miles)
16. Take ramp to US-730 W toward Umatilla/Weigh Sta.-Odor (0.15 miles)
17. Continue on US-730 (6th St) (1.06 miles)
18. Finish at 700 Sixth Street, 97882, on the left

## City of Hermiston Water Department

M-293.1L-N

**Position - Location:** 45° 55.838', -119° 17.200' 45° 55' 50.3", -119° 17' 12.0" 45.93064, -119.28667 Hermiston

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

**Implementation:** Call 541-561-7610, 24 hr emergency # for the Water Department. May shut down water intakes or wells.

**Field Notes:** This well is shown as being both a surface water and groundwater withdrawal. Well serves multiple municipalities, including the cities of Umatilla and Hermiston.

**Watercourse:** River - Above a Dam - McNary Pool

**Resources at Risk:** Public Health and Safety, Water Intakes

### Communication Process and Action:

Call 541-561-7610, 24 hr emergency # for the Water Department



No Photograph Available

M-293.1L-N Photo: No Photo Available

#### Site Contact

##### City of Hermiston Water Dept.

Primary Contact : Water Department and Regional Water System  
Superin  
180 NE 2nd Street  
Hermiston, OR 97838  
541-561-7610

#### Nearest Address

180 NE 2nd street  
Hermiston, OR 97838



#### Driving Directions

1. Directions to the Hermiston City Hall, starting at McNary Highway, Umatilla, OR
2. Go northwest on I-82 (US-395 N) toward 131 (0.76 miles)
3. At exit 131 take ramp on the right to WA-14 W toward Plymouth/Vancouver (0.26 miles)
4. Turn left on WA-14 (0.11 miles)
5. Make sharp left onto ramp and go on I-82 E toward Umatilla/Pendleton (1.79 miles)
6. At exit 1 take ramp on the right to US-395/US-730 toward Umatilla/Hermiston (0.08 miles)
7. Take ramp to US-395 E/US-730 E toward McNary Dam/Hermiston (0.13 miles)
8. Turn left on US-395 (6th St) (0.7 miles)
9. Continue (0.15 miles)
10. Bear right on US-395 (Umatilla-Stanfield Hwy) (5.28 miles)
11. Turn left on E Gladys Ave (0.07 miles)
12. Turn right on NE 2nd St (0.02 miles)
13. Finish at 180 NE 2nd street, 97838, on the left

## Oregon Water Resources Dept.

M-309.4-N

**Position - Location:** 45° 59.974', -118° 59.249' 45° 59' 58.5", -118° 59' 14.9" 45.99957, -118.98748 Pendleton

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

**Implementation:** Call District 5 at (541) 278-5456 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

**Field Notes:** The state will notify various river water users after they themselves are notified.

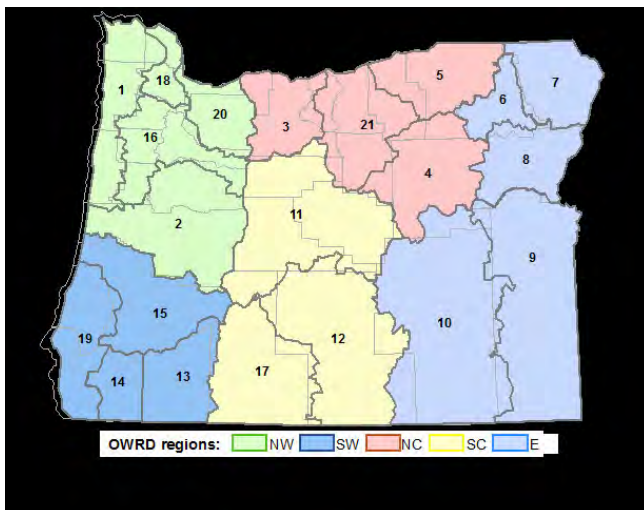
**Watercourse:** River - Above a Dam - McNary Pool

**Resources at Risk:** Water Intakes

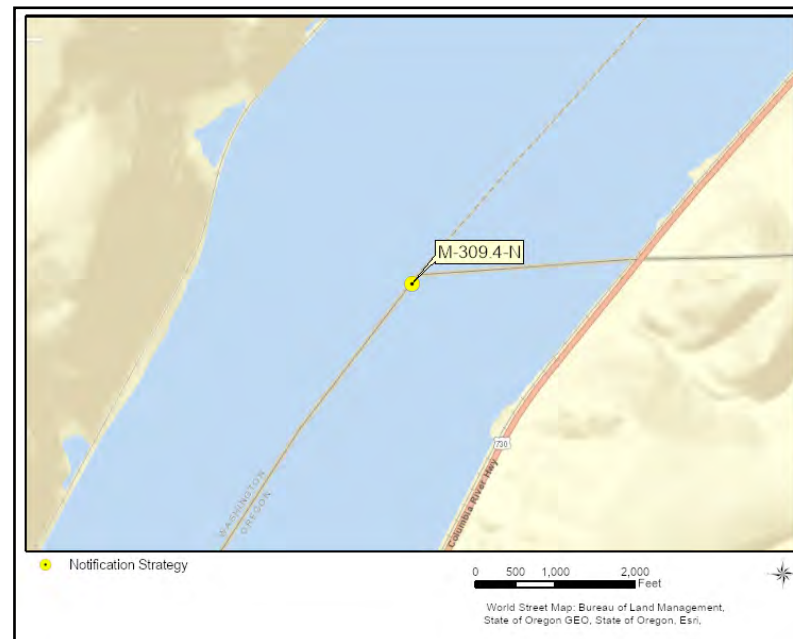
### Communication Process and Action:

Call District 5 at (541) 278-5456 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. Actions taken may include call river water users.





M-309.4-N Photo: Oregon Water Resources Dept. Districts



#### Site Contact

##### Oregon Water Resources Department

Primary Contact : District 5

541-278-5456

##### Oregon Water Resources Dept.

Secondary Contact : North Central Region

541-278-5456

#### Nearest Address

116 SE Dorion Ave  
Pendleton, OR 97801

#### Driving Directions

1. Directions to Oregon Water Resources Department/Umatilla County Watermaster's Office, starting at 1800 6th St, Umatilla, OR 97882
2. Go east on US-730 (6th St) (0.21 miles)
3. Bear right onto ramp and go on I-82 E toward Pendleton/I-84/Portland (9.4 miles)
4. Take ramp on the left and go on I-84 E toward Pendleton (31.52 miles)
5. At exit 210 take ramp on the right to OR-11 toward Pendleton/Milton-Freewater (0.24 miles)
6. Turn left on OR-11 (Oregon-Washington Hwy) (0.36 miles)
7. Turn left on SE Isaac Ave (0.06 miles)
8. Turn right on SE 3rd St (0.31 miles)
9. Turn left on SE Emigrant Ave (0.1 miles)
10. Turn right on SE 1st St (0.08 miles)
11. Turn right on US-30 (SE Dorion Ave) (0.01 miles)
12. Finish at 116 Southeast Dorion Avenue, 97801, on the right



# Packaging Corporation of America

M-316.5-N

**Position - Location:** 46° 6.161', -118° 55.111' 46° 6' 9.7", -118° 55' 6.7" 46.10269, -118.91852 Wallula

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

**Implementation:** Call company at (509) 545-3202 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

**Field Notes:** PCA has two facilities on the property: a containerboard mill and a full-line plant. This property was formerly owned by Boise Paper.

**Watercourse:** River - Above a Dam - McNary Pool

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



## Communication Process and Action:

Call company at (509) 545-3202 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. Actions taken may include shutting down the plant's water intake.



M-316.5-N Photo: From above the river, looking east towards the facility. Photo taken in May 2017.



## Site Contact

### Packaging Corporation of America

Land/Property Contact :

Wallula, WA 99363  
509-545-3202

## Nearest Address

31827 W Hwy 12  
Wallula, WA 99363

## Driving Directions

1. Head south on US-395
2. Take the exit onto US-12 E toward Walla Walla
3. Turn right onto Boise Cascade Rd, destination will be on the right

# Kennewick Water Treatment Plant

M-328.4R-N

**Position - Location:** 46° 12.887', -119° 6.277' 46° 12' 53.2", -119° 6' 16.6" 46.21479, -119.10461 Kennewick

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

**Implementation:** Call city at (509) 585-4419 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

**Field Notes:** None.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Water Intakes



## Communication Process and Action:

Call city at (509) 585-4419 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. Actions taken may include shutting down the water intake.

## Kennewick Water Treatment Plant

M-328.4R-N



M-328.4R-N Photo: From the riverbank, looking northeast towards the water intake structure.

### Site Contact

#### City of Kennewick

Municipality (County/City) : Public Works  
1010 E Chemical Dr  
Kennewick, WA 99336  
509-585-4419

### Nearest Address

1010 E Chemical Dr  
Kennewick, WA 99336



### Driving Directions

1. Directions to the Kennewick Water Treatment Facility, starting in Pasco, WA head south on US-395 continue straight onto N Oregon Ave
2. Turn right onto E Lewis St
3. Turn left onto S 10th Ave
4. Continue onto N Gum St
5. Turn left onto E Columbia Dr, destination will be on the left



## City of Pasco Water Intake

M-336.1L-N

**Position - Location:** 46° 15.956', -119° 14.460' 46° 15' 57.4", -119° 14' 27.6" 46.26594, -119.24100 Pasco

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

**Implementation:** Call city at (509) 544-4135 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

**Field Notes:** None

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Water Intakes



### Communication Process and Action:

Call city at (509) 544-4135 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. Actions taken may include shutting down the water intake.





M-336.1L-N Photo: From W Court St, looking southwest towards the water intake structure.

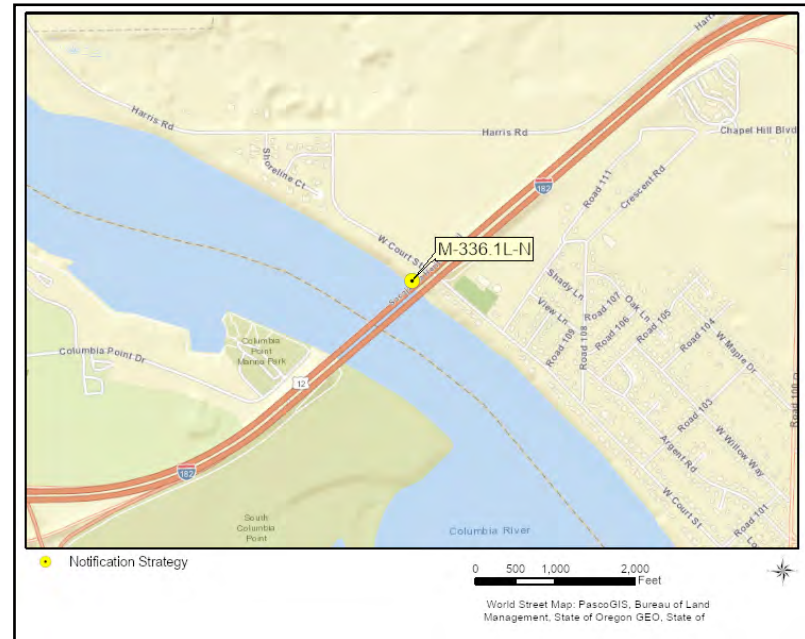
## Site Contact

### City of Pasco

Municipality (County/City) : Public Works  
525 N 3rd Ave  
Pasco, WA 99301  
509-544-4135

## Nearest Address

525 N 3rd Ave  
Pasco, WA 99301



## Driving Directions

1. Directions to Pasco's Butterfield Water Intake, starting at US-395, Pasco, WA 99301
2. Go south on US-395 toward W Vineyard Dr (4.89 miles)
3. Continue on WA-397 (1.84 miles)
4. Make sharp right on E A St (1.29 miles)
5. Turn left on S 12th Ave (0.21 miles)
6. Continue to the end of the road, take a right, then left over the tracks to the water, turn right to finish at 1304 S, 12th Ave, 99301 on the right.

## City of Richland Water Intake

M-340.2R-N

**Position - Location:** 46° 18.888', -119° 15.583' 46° 18' 53.3", -119° 15' 35.0" 46.31480, -119.25971 Richland

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

**Implementation:** Call city at (509) 942-7472 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

**Field Notes:** There is a deflection response strategy just upriver of this location.

**Watercourse:** River - Above a Dam - McNary Pool/Lake Wallula

**Resources at Risk:** Water Intakes



### Communication Process and Action:

Call city at (509) 942-7472 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. Actions taken may include shutting down the water intake.



M-340.2R-N Photo: From the boat launch, looking northwest towards the water intake structure.



## Site Contact

### City of Richland

Primary Contact : Public Works  
2700 Duportail St  
Richland, WA 99352  
509-942-7472

## Nearest Address

50 Snyder St  
Richland, WA 99354

## Driving Directions

1. Head east on I-82
2. Turn right to merge onto I-82 E / US-12 E / US-97 S toward Richland
3. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
4. Take exit 4 on the right to merge onto the highway toward Wellsian Way / WA-240 W / Vantage
5. At the traffic light, turn right on Saint St
6. At the traffic light, turn left on George Washington Way
7. Turn right on Snyder St
8. Location is at end of road

## Tesoro Pasco Terminal

MSN-2.0R-N

**Position - Location:** 46° 12.853', -119° 1.674' 46° 12' 51.2", -119° 1' 40.4" 46.21421, -119.02790 Pasco

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

**Implementation:** Call the facility at (509) 543-6100 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

**Field Notes:** This property is part of a company known as Andeavor Logistics Northwest Products System. There is a collection response strategy on the riverbank.

**Watercourse:** River - Above a Dam - Snake River (McNary Pool)

**Resources at Risk:** Economic Resources, Sensitive Resources Nearby



### Communication Process and Action:

Call city at (509) 543-6100 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

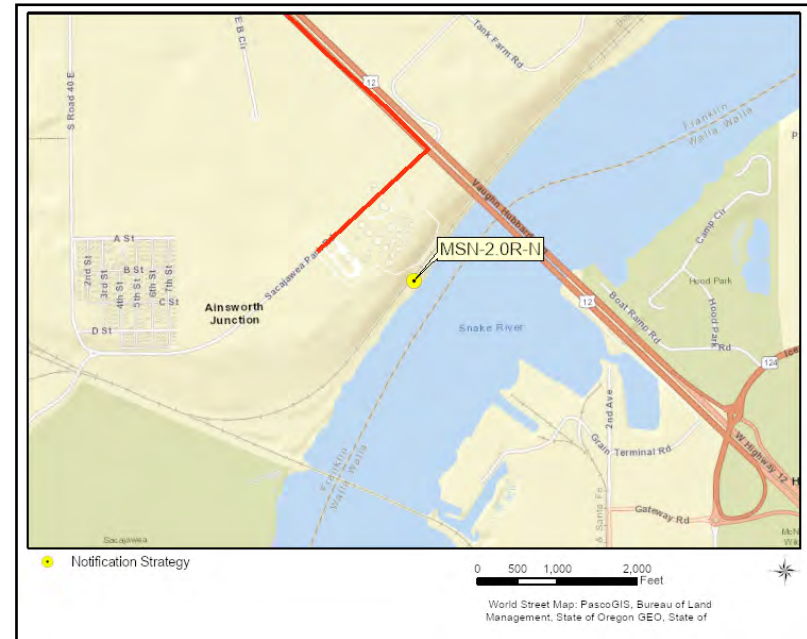


## Tesoro Pasco Terminal

MSN-2.0R-N



MSN-2.0R-N Photo: From above the river, looking northwest towards the facility. Photo was taken in May.



### Site Contact

**Tesoro Pasco Terminal**  
Pre-Notification Required :  
2900 Sacajawea Park Rd  
Pasco, WA 99301  
509-543-6100

### Nearest Address

2900 Sacajawea Park Rd  
Pasco, WA 99301

### Driving Directions

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp left onto ramp to I-182
4. Continue on I-182 (US-12 E)
5. Continue on US-12
6. Turn right on Sacajawea Park Rd
7. Location is on the left



## Tidewater Snake River Terminal

MSN-2.8R-N

**Position - Location:** 46° 13.394', -119° .927' 46° 13' 23.7", -119° 0' 55.6" 46.22324, -119.01545 Pasco

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

**Implementation:** Call the facility at (503) 289-4274 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

**Field Notes:** This property is part of a company known as Andeavor Logistics Northwest Products System. There is a deflection response strategy on the riverbank.

**Watercourse:** River - Above a Dam - Snake River (McNary Pool)

**Resources at Risk:** Economic Resources, Sensitive Resources Nearby



### Communication Process and Action:

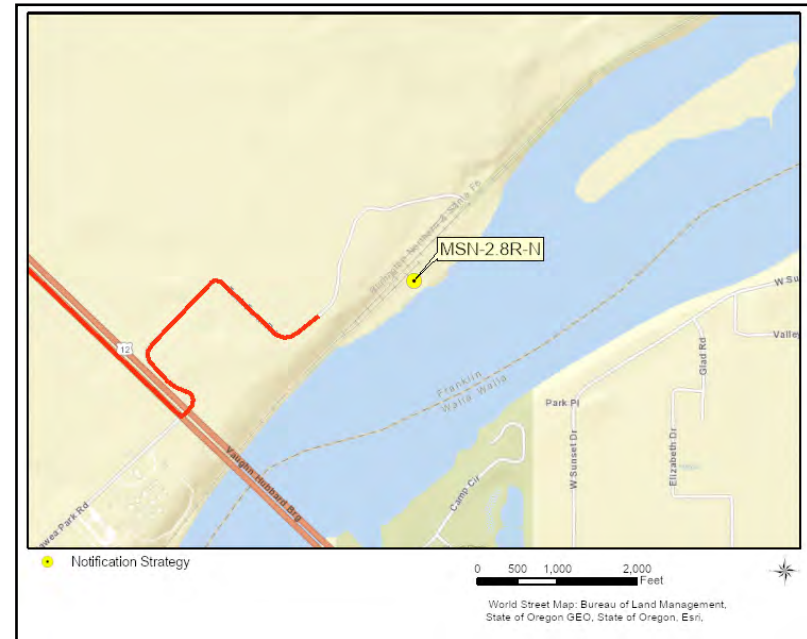
Call the facility at (503) 289-4274 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

## Tidewater Snake River Terminal

MSN-2.8R-N



MSN-2.8R-N Photo: From above the river, looking northwest towards the facility. Photo was taken in May.



### Site Contact

#### Tidewater Snake River Terminal

Land/Property Owner :

671 Tank Farm Rd  
Pasco, WA 99301  
503-289-4274

### Nearest Address

671 Tank Farm Rd  
Pasco, WA 99301

### Driving Directions

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp left onto ramp to I-182
4. Continue on I-182 (US-12 E)
5. Continue on US-12
6. Turn left on Sacajawea Park Rd
7. Continue on Tank Farm Rd

## Badger Mountain Irrigation District

YAK-3.5R-N

**Position - Location:** 46° 14.755', -119° 16.291' 46° 14' 45.3", -119° 16' 17.5" 46.24592, -119.27152 Kennewick

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

**Implementation:** Call BMID at (509) 628-0777 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control.

**Field Notes:** None.

**Watercourse:** River - Yakima River

**Resources at Risk:** Water Intakes



### Communication Process and Action:

Call BMID at (509) 628-0777 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact the infrastructure, so they can take action to protect the resources under their control. Actions taken may include shutting down the water intake.



YAK-3.5R-N Photo: From the canal, looking north towards the water intake structure.

## Site Contact

### Badger Mountain Irrigation District

Primary Contact :  
87525 E Reata Rd  
Kennewick, WA 99338  
509-628-0777

## Nearest Address

87525 E Reata Rd  
Kennewick, WA 99338



## Driving Directions

1. Go south on George Washington Way
2. Take the exit on the right to I-182 toward Pasco / Yakima
3. Keep right at the fork to merge onto the highway toward I-82 / Yakima / Pendleton
4. Take the exit on the left to merge onto I-82 E toward Kennewick / Plymouth
5. Take exit 104 on the right to Dallas Road
6. At the stop sign, make a sharp right on N Dallas Rd
7. Turn left on E Reata Rd
8. Finish on the right

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

## Hood Park

SA-MSN-2.3L

### Staging Area

**Position - Location:** 46° 12.875', -119° 1.143' 46° 12' 52.5", -119° 1' 8.6" 46.21458, -119.01905 Burbank

**Comments:** Public staging area and boat launch on the left bank of the Snake River. Notify USACE before staging equipment.



### Location Information

| Asset               | Type/Status      | Amount/Number |
|---------------------|------------------|---------------|
| Boat Dock(s)        | Yes              | 2             |
| Boat Ramp(s)        | Concrete, Solid  | 3             |
| Covered Spaces      | No               |               |
| Estimated Lot Size  | Square Feet      | 45000         |
| Fuel                | No               |               |
| Lot Cover (Primary) | Asphalt          | 100 %         |
| Parking - Car       | Marked           | 50            |
| Parking - Trailer   | Marked           | 20            |
| Power               | No               |               |
| Restroom            | Restroom - Vault | 1             |
| User Fee            | No               |               |
| Waste Disposal      | Trash Receptacle |               |
| Water (potable)     | No               |               |

### GRP Response Strategies Served:

MSN-6.1L, MSN-8.4L, MSN-1.0R, MSN-2.8L, MSN-1.5R, MSN-2.1L, MSN-1.5L, MSN-2.0R, MSN-4.6R, MSN-4.5L, MSN-2.9R, MSN-9.5R, MSN-4.0M

## Hood Park

SA-MSN-2.3L



SA-MSN-2.3L Photo: From parking lot, looking east towards ramps and docks with park in the background. River is to the left.

### Site Contact

#### USACE

Land/Property Contact : Tri-Rivers Natural Resources Mgmt

Burbank, WA  
509-547-2048

### Nearest Address

Hood Park Rd  
Burbank, WA 99323



### Driving Directions

1. Head east on I-82
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take the exit on the right toward Burbank / Waitsburg
4. Keep right at the fork to merge onto 5th St
5. Bear right on Ice Harbor Dr (WA-124)
6. Turn left on Hood Park Rd
7. Location is at end of road

# Madame Dorion Memorial Park

SA-WWR-4.0R

## Staging Area

**Position - Location:** 46° 3.739', -118° 54.209' 46° 3' 44.3", -118° 54' 12.5" 46.06231, -118.90348 Burbank

**Comments:** Public staging area and boat launch on the right bank of the Walla Walla River. Notify USFWS before staging equipment.



## Location Information

| Asset               | Type/Status         | Amount/Number |
|---------------------|---------------------|---------------|
| Boat Dock(s)        | No                  |               |
| Boat Ramp(s)        | Concrete, Solid     | 1             |
| Cell Phone Coverage | Yes                 | 4G LTE        |
| Covered Spaces      | No                  |               |
| Estimated Lot Size  | Square Feet         | 14000         |
| Fuel                | No                  |               |
| Lot Cover (Primary) | Dirt/Gravel         | 100 %         |
| Parking - Car       | Gravel              | 20            |
| Parking - Trailer   | Gravel              | 20            |
| Power               | No                  |               |
| Restroom            | Restroom - Portable |               |
| User Fee            | No                  |               |
| Waste Disposal      | None                |               |
| Water (potable)     | No                  |               |

## GRP Response Strategies Served:

M-314.6R, WWR-3.8L, M-310.8R, M-306.5R, WWR-4.0R, M-317.0L, M-309.8R, M-308.8R, M-310.3R, M-311.4R, M-311.9R, M-320.6L, M-317.5R, M-312.0L, M-319.2M, M-317.8M, WWR-4.2R

## Madame Dorion Memorial Park

SA-WWR-4.0R



SA-WWR-4.0R Photo: From parking lot, looking east towards river.

### Site Contact

#### USFWS Mid-Columbia National Wildlife Refuges

Land/Property Contact :

Burbank, WA 99323  
208-252-0805

### Nearest Address

N Shore Rd  
Burbank, WA 99323



### Driving Directions

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madam Dorian boat launch on the right



## Oregon Boat Ramp (Lake Wallula)

SA-M-292.6L

### Staging Area

**Position - Location:** 45° 55.607', -119° 17.503' 45° 55' 36.4", -119° 17' 30.2" 45.92679, -119.29172 Umatilla

**Comments:** Public staging area and boat launch on the left bank of the Columbia River (McNary Pool). Notify USACE before staging equipment.



### Location Information

| Asset               | Type/Status      | Amount/Number |
|---------------------|------------------|---------------|
| Boat Dock(s)        | Yes              | 2             |
| Boat Ramp(s)        | Concrete, Solid  | 2             |
| Cell Phone Coverage | Yes              | 4G LTE        |
| Covered Spaces      | No               |               |
| Estimated Lot Size  | Square Feet      | 95000         |
| Fuel                | No               |               |
| Lot Cover (Primary) | Asphalt          | 50 %          |
| Parking - Car       | Gravel           | 50            |
| Parking - Trailer   | Marked           | 20            |
| Power               | No               |               |
| Restroom            | Restroom - Vault | 1             |
| User Fee            | No               |               |
| Waste Disposal      | Trash Receptacle |               |
| Water (potable)     | No               |               |

### GRP Response Strategies Served:

M-292.6L



SA-M-292.6L Photo: From parking lot, looking northwest towards the ramps and the river.



## Site Contact

**USACE McNary Dam**  
Land/Property Contact : Control Room  
  
Umatilla, OR 97882  
541-922-2231

## Nearest Address

Deschutes Ave  
Umatilla, OR 97882

## Driving Directions

1. Head east on I-84 / US-30 toward Pendleton
2. Take exit 179 on the right to merge onto I-82 W toward Hermiston / Umatilla
3. Take exit 1 on the right to US-395 S / US-730 S toward Umatilla / Irrigon
4. At the stop sign, turn right on Columbia River Hwy (US-395 N)
5. At the traffic light, turn left on Devore Rd
6. At the stop sign, turn right on Riverside Ave
7. Continue forward on Deschutes St
8. Location is on the left

# Hat Rock State Park

SA-M-298.7L

## Staging Area

**Position - Location:** 45° 55.062', -119° 10.467' 45° 55' 3.7", -119° 10' 28.0" 45.91770, -119.17445 Hermiston

**Comments:** Public staging area and boat launch on the left bank of the Columbia River (McNary Pool). Notify OR State Parks before staging equipment.



## Location Information

| Asset               | Type/Status      | Amount/Number |
|---------------------|------------------|---------------|
| Boat Dock(s)        | Yes              | 2             |
| Boat Ramp(s)        | Concrete, Solid  | 2             |
| Covered Spaces      | No               |               |
| Estimated Lot Size  | Square Feet      | 100000        |
| Fuel                | No               |               |
| Lot Cover (Primary) | Asphalt          | 100 %         |
| Parking - Car       | Marked           | 100           |
| Parking - Trailer   | Marked           | 50            |
| Power               | No               |               |
| Restroom            | Restroom - Flush | 2             |
| User Fee            | No               |               |
| Waste Disposal      | Trash Receptacle | Multiple      |
| Water (potable)     | Yes              | In Restroom   |

## GRP Response Strategies Served:

M-304.5R, M-303.3R, M-299.4L, M-302.3R, M-305.9L, M-299.5M, M-299.8L, M-298.7L, M-299.9R, M-293.7R, M-292.6R, M-292.6M



SA-M-298.7L Photo: From, parking lot, looking east towards boat ramp.

## Site Contact

### OR State Parks

Primary Contact : Hat Rock

Hermiston, OR 97838  
541-983-2277

## Nearest Address

Hat Rock State Park Rd  
Hermiston, OR 97838



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hat Rock State Park (SABL-M-298.7L):

1. Head east on Hwy 12 (US-12 E) towards Oregon
2. In Wallula Junction, stay to the right to continue on Hwy 730
3. Stay on Hwy 730 as you cross into Oregon
4. Turn right onto Hat Rock Rd
5. Continue straight to stay on Hat Rock State Park Rd
6. Location is at the end of the road.

## Two Rivers Park

SA-M-324.3R

### Staging Area

**Position - Location:** 46° 11.051', -119° 1.951' 46° 11' 3.1", -119° 1' 57.1" 46.18419, -119.03252 Kennewick

**Comments:** Public staging area and boat launch on the right bank of the Columbia River. Notify county before staging equipment.



### Location Information

| Asset               | Type/Status         | Amount/Number |
|---------------------|---------------------|---------------|
| Boat Dock(s)        | Yes                 | 3             |
| Boat Ramp(s)        | Concrete, Solid     | 2             |
| Covered Spaces      | No                  |               |
| Estimated Lot Size  | Square Feet         | 30000         |
| Fuel                | No                  |               |
| Lot Cover (Primary) | Dirt/Gravel         | 100 %         |
| Parking - Car       | Gravel              | 20            |
| Parking - Trailer   | Gravel              | 10            |
| Power               | No                  |               |
| Restroom            | Restroom - Portable |               |
| User Fee            | No                  |               |
| Waste Disposal      | Trash Receptacle    |               |
| Water (potable)     | No                  |               |

### GRP Response Strategies Served:

M-324.3R, M-329.0M, MSN-0.8M, M-328.0L, M-328.4L, M-328.9R, M-330.3R, M-326.5L, M-327.1L, M-326.1M, M-325.8L, M-325.6L, M-325.5R, M-323.2R, M-321.9L, M-318.3R, M-323.1M, M-324.8R, M-324.3M, M-323.5M, M-323.9M, M-323.4M, M-322.6M

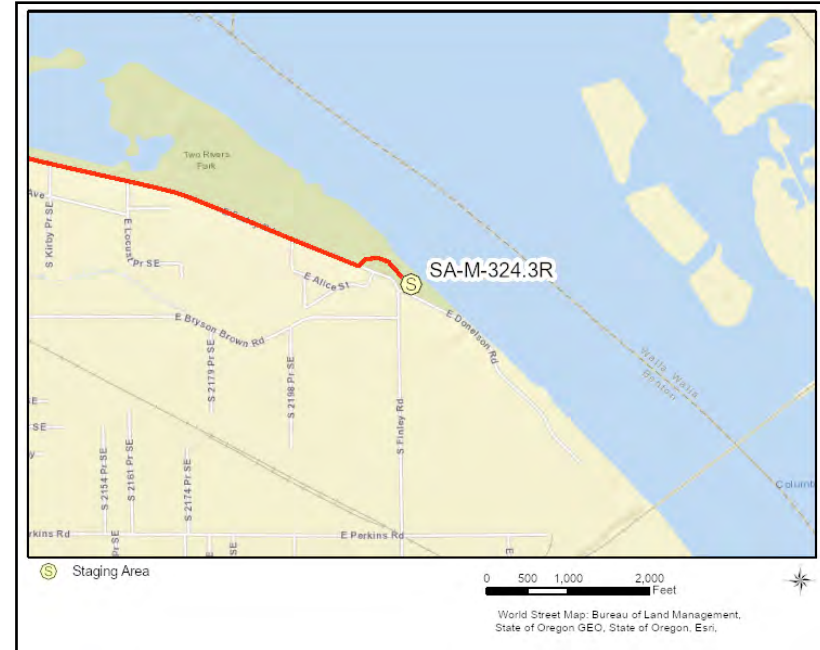


Two Rivers Park SA-M-324.3R

Two Rivers Park SA-M-324.3R



SA-M-324.3R Photo: From parking lot, looking northeast towards river (downriver is to the right).



### Site Contact

## Benton County

Land/Property Contact : Parks Dept.

Kennewick, WA 99336

509-737-3951

### Nearest Address

220880 E Finley Rd

Kennewick, WA 99337

### Driving Directions

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Brg)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd
8. Turn left onto gravel road at 220880 East Finley Road (just before S. Stevens Dr), follow gravel road to the end

## Columbia Point Marina Park

SA-M-336.4R

### Staging Area

**Position - Location:** 46° 15.836', -119° 14.998' 46° 15' 50.1", -119° 14' 59.9" 46.26393, -119.24997 Richland

**Comments:** Public staging area and boat launch on the right bank of the Columbia River. Notify City of Richland before staging equipment.



### Location Information

| Asset               | Type/Status      | Amount/Number |
|---------------------|------------------|---------------|
| Boat Dock(s)        | Yes              | 3             |
| Boat Ramp(s)        | Concrete, Solid  | 2             |
| Covered Spaces      | No               |               |
| Estimated Lot Size  | Square Feet      | 150000        |
| Fuel                | Yes              |               |
| Lot Cover (Primary) | Asphalt          | 100 %         |
| Parking - Car       | Marked           | 65            |
| Parking - Trailer   | Marked           | 100           |
| Power               | Yes              |               |
| Restroom            | Restroom - Flush |               |
| User Fee            | No               |               |
| Waste Disposal      | Trash Receptacle |               |
| Water (potable)     | Yes              |               |

### GRP Response Strategies Served:

M-334.3M, M-334.0R, YAK-2.1L, M-335.8R, M-336.7R, M-333.8L, M-333.3M, M-331.4L, YAK-4.2L, M-335.0M, M-336.1R, M-332.8R, M-334.5L, M-338.2L, M-340.7L, M-336.4R



SA-M-336.4R Photo: From parking lot, looking northwest towards the marina. The river is to the right.

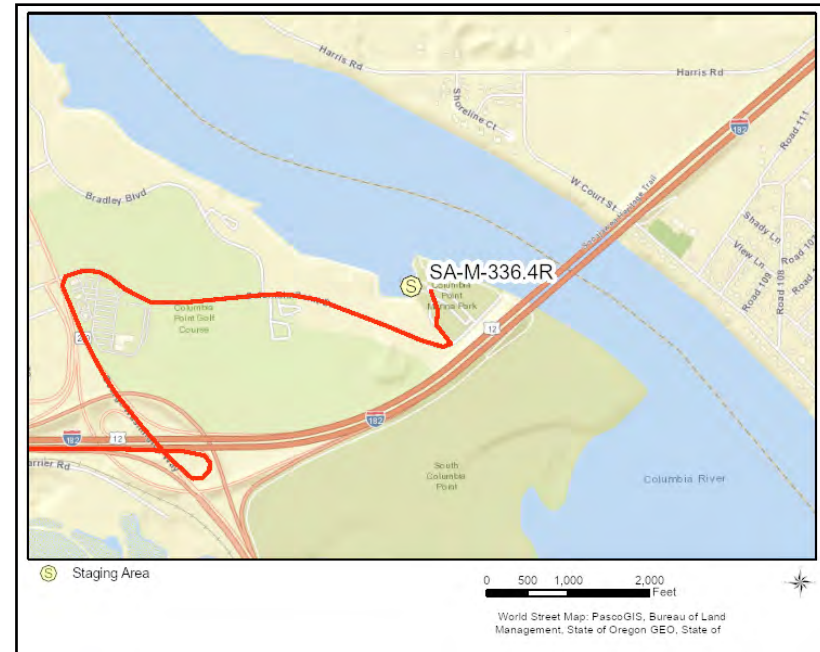
#### Site Contact

##### City of Richland

Primary Contact : Parks & Public Facilities  
505 Amon Park Dr  
Richland, WA 99352  
509-942-7664

#### Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



#### Driving Directions

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left

## Howard Amon Park

SA-M-337.8R

### Staging Area

**Position - Location:** 46° 16.816', -119° 16.274' 46° 16' 49.0", -119° 16' 16.4" 46.28027, -119.27123 Richland

**Comments:** Public staging area and boat launch on the right bank of the Columbia River. Notify City of Richland before staging equipment.



### Location Information

| Asset               | Type/Status      | Amount/Number |
|---------------------|------------------|---------------|
| Boat Dock(s)        | Yes              | 2             |
| Boat Ramp(s)        | Concrete, Solid  | 2             |
| Covered Spaces      | No               |               |
| Estimated Lot Size  | Square Feet      | 60000         |
| Fuel                | No               |               |
| Lot Cover (Primary) | Asphalt          | 100 %         |
| Parking - Car       | Marked           | 40            |
| Parking - Trailer   | Marked           | 20            |
| Power               | No               |               |
| Restroom            | Restroom - Flush |               |
| User Fee            | No               |               |
| Waste Disposal      | Trash Receptacle |               |
| Water (potable)     | Yes              |               |

### GRP Response Strategies Served:

M-337.8R, M-337.3R



## Howard Amon Park

SA-M-337.8R



SA-M-337.8R Photo: From parking lot, looking southeast towards river. Downriver is to the right.

### Site Contact

#### City of Richland

Land/Property Contact : Parks & Public Facilities  
505 Amon Park Dr  
Richland, WA 99352  
509-942-7664

### Nearest Address

Amon Park Dr  
Richland, WA 99352



### Driving Directions

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Turn right on Newton St
5. Location is on the left



## Leslie Groves Park

SA-M-340.1R

### Staging Area

**Position - Location:** 46° 18.866', -119° 15.643' 46° 18' 51.9", -119° 15' 38.6" 46.31443, -119.26071 Richland

**Comments:** Public staging area and boat launch on the right bank of the Columbia River. Notify City of Richland before staging equipment.



### Location Information

| Asset               | Type/Status      | Amount/Number |
|---------------------|------------------|---------------|
| Boat Dock(s)        | Yes              | 2             |
| Boat Ramp(s)        | Concrete, Solid  | 3             |
| Covered Spaces      | No               |               |
| Estimated Lot Size  | Square Feet      | 60000         |
| Fuel                | No               |               |
| Lot Cover (Primary) | Asphalt          | 100 %         |
| Parking - Car       | Marked           | 20            |
| Parking - Trailer   | Marked           | 20            |
| Power               | No               |               |
| Restroom            | Restroom - Flush | 2             |
| User Fee            | No               |               |
| Waste Disposal      | Trash Receptacle |               |
| Water (potable)     | Yes              |               |

### GRP Response Strategies Served:

M-340.3R



SA-M-340.1R Photo: From parking lot, looking east towards river. Downriver is to the right.

## Site Contact

### City of Richland

Primary Contact : Parks & Public Facilities  
505 Amon Park Dr  
Richland, WA 99352  
509-942-7664

## Nearest Address

50 Snyder St  
Richland, WA 99354



## Driving Directions

1. Head east on I-82
2. Turn right to merge onto I-82 E / US-12 E / US-97 S toward Richland
3. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
4. Take exit 4 on the right to merge onto the highway toward Wellsian Way / WA-240 W / Vantage
5. At the traffic light, turn right on Saint St
6. At the traffic light, turn left on George Washington Way
7. Turn right on Snyder St
8. Location is on the right

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**APPENDIX D**

**Boat Launch 2-Pagers**

# Hood Park

BL-MSN-2.3L

## Boat Launch Location

**Position - Location:** 46° 12.875', -119° 1.143' 46° 12' 52.5", -119° 1' 8.6" 46.21458, -119.01905 Burbank

**Comments:** Public staging area and boat launch on the left bank of the Snake River. Notify USACE before staging equipment.



## Location Information

| Asset               | Type/Status      | Amount/Number |
|---------------------|------------------|---------------|
| Boat Dock(s)        | Yes              | 2             |
| Boat Ramp(s)        | Concrete, Solid  | 3             |
| Covered Spaces      | No               |               |
| Estimated Lot Size  | Square Feet      | 45000         |
| Fuel                | No               |               |
| Lot Cover (Primary) | Asphalt          | 100 %         |
| Parking - Car       | Marked           | 50            |
| Parking - Trailer   | Marked           | 20            |
| Power               | No               |               |
| Restroom            | Restroom - Vault | 1             |
| User Fee            | No               |               |
| Waste Disposal      | Trash Receptacle |               |
| Water (potable)     | No               |               |

## GRP Response Strategies Served:

MSN-6.1L, MSN-8.4L, MSN-1.0R, MSN-2.8L, MSN-1.5R, MSN-2.1L, MSN-1.5L, MSN-2.0R, MSN-4.6R, MSN-4.5L, MSN-2.9R, MSN-9.5R, MSN-4.0M



## Hood Park

BL-MSN-2.3L



SA-MSN-2.3L Photo: From parking lot, looking east towards ramps and docks with park in the background. River is to the left.

### Site Contact

#### USACE

Land/Property Contact : Tri-Rivers Natural Resources Mgmt

Burbank, WA  
509-547-2048

### Nearest Address

Hood Park Rd  
Burbank, WA 99323



### Driving Directions

1. Head east on I-82
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take the exit on the right toward Burbank / Waitsburg
4. Keep right at the fork to merge onto 5th St
5. Bear right on Ice Harbor Dr (WA-124)
6. Turn left on Hood Park Rd
7. Location is at end of road

# Madame Dorion Memorial Park

BL-WWR-4.0R

## Boat Launch Location

**Position - Location:** 46° 3.739', -118° 54.209' 46° 3' 44.3", -118° 54' 12.5" 46.06231, -118.90348 Burbank

**Comments:** Public staging area and boat launch on the right bank of the Walla Walla River. Notify USFWS before staging equipment.



## Location Information

| Asset               | Type/Status         | Amount/Number |
|---------------------|---------------------|---------------|
| Boat Dock(s)        | No                  |               |
| Boat Ramp(s)        | Concrete, Solid     | 1             |
| Cell Phone Coverage | Yes                 | 4G LTE        |
| Covered Spaces      | No                  |               |
| Estimated Lot Size  | Square Feet         | 14000         |
| Fuel                | No                  |               |
| Lot Cover (Primary) | Dirt/Gravel         | 100 %         |
| Parking - Car       | Gravel              | 20            |
| Parking - Trailer   | Gravel              | 20            |
| Power               | No                  |               |
| Restroom            | Restroom - Portable |               |
| User Fee            | No                  |               |
| Waste Disposal      | None                |               |
| Water (potable)     | No                  |               |

## GRP Response Strategies Served:

M-314.6R, WWR-3.8L, M-310.8R, M-306.5R, WWR-4.0R, M-317.0L, M-309.8R, M-308.8R, M-310.3R, M-311.4R, M-311.9R, M-320.6L, M-317.5R, M-312.0L, M-319.2M, M-317.8M, WWR-4.2R



SA-WWR-4.0R Photo: From parking lot, looking east towards river.

## Site Contact

### USFWS Mid-Columbia National Wildlife Refuges

Land/Property Contact :

Burbank, WA 99323  
208-252-0805

## Nearest Address

N Shore Rd  
Burbank, WA 99323



## Driving Directions

1. Head east on US-730 E/6th St toward Eisele Dr
2. Continue to follow US-730
3. Slight left toward US-12 W
4. Turn left onto US-12 W
5. Turn right onto N Shore Rd
6. Take an immediate right on unnamed road for Madam Dorian boat launch on the right

## Oregon Boat Ramp (Lake Wallula)

BL-M-292.6L

### Boat Launch Location

**Position - Location:** 45° 55.607', -119° 17.503' 45° 55' 36.4", -119° 17' 30.2" 45.92679, -119.29172 Umatilla

**Comments:** Public staging area and boat launch on the left bank of the Columbia River (McNary Pool). Notify USACE before staging equipment.



### Location Information

| Asset               | Type/Status      | Amount/Number |
|---------------------|------------------|---------------|
| Boat Dock(s)        | Yes              | 2             |
| Boat Ramp(s)        | Concrete, Solid  | 2             |
| Cell Phone Coverage | Yes              | 4G LTE        |
| Covered Spaces      | No               |               |
| Estimated Lot Size  | Square Feet      | 95000         |
| Fuel                | No               |               |
| Lot Cover (Primary) | Asphalt          | 50 %          |
| Parking - Car       | Gravel           | 50            |
| Parking - Trailer   | Marked           | 20            |
| Power               | No               |               |
| Restroom            | Restroom - Vault | 1             |
| User Fee            | No               |               |
| Waste Disposal      | Trash Receptacle |               |
| Water (potable)     | No               |               |

### GRP Response Strategies Served:

M-292.6L



## Oregon Boat Ramp (Lake Wallula)

BL-M-292.6L



SA-M-292.6L Photo: From parking lot, looking northwest towards the ramps and the river.

### Site Contact

#### USACE McNary Dam

Land/Property Contact : Control Room

Umatilla, OR 97882  
541-922-2231

### Nearest Address

Deschutes Ave  
Umatilla, OR 97882



### Driving Directions

1. Head east on I-84 / US-30 toward Pendleton
2. Take exit 179 on the right to merge onto I-82 W toward Hermiston / Umatilla
3. Take exit 1 on the right to US-395 S / US-730 S toward Umatilla / Irrigon
4. At the stop sign, turn right on Columbia River Hwy (US-395 N)
5. At the traffic light, turn left on Devore Rd
6. At the stop sign, turn right on Riverside Ave
7. Continue forward on Deschutes St
8. Location is on the left



# Hat Rock State Park

BL-M-298.7L

## Boat Launch Location

**Position - Location:** 45° 55.062', -119° 10.467' 45° 55' 3.7", -119° 10' 28.0" 45.91770, -119.17445 Hermiston

**Comments:** Public staging area and boat launch on the left bank of the Columbia River (McNary Pool). Notify OR State Parks before staging equipment.



## Location Information

| Asset               | Type/Status      | Amount/Number |
|---------------------|------------------|---------------|
| Boat Dock(s)        | Yes              | 2             |
| Boat Ramp(s)        | Concrete, Solid  | 2             |
| Covered Spaces      | No               |               |
| Estimated Lot Size  | Square Feet      | 100000        |
| Fuel                | No               |               |
| Lot Cover (Primary) | Asphalt          | 100 %         |
| Parking - Car       | Marked           | 100           |
| Parking - Trailer   | Marked           | 50            |
| Power               | No               |               |
| Restroom            | Restroom - Flush | 2             |
| User Fee            | No               |               |
| Waste Disposal      | Trash Receptacle | Multiple      |
| Water (potable)     | Yes              | In Restroom   |

## GRP Response Strategies Served:

M-304.5R, M-303.3R, M-299.4L, M-302.3R, M-299.9R, M-293.7R, M-292.6R, M-301.1L, M-299.5M, M-299.8L, M-298.7L, M-301.5L, M-305.9L, M-301.6L, M-292.6M



SA-M-298.7L Photo: From, parking lot, looking east towards boat ramp.

## Site Contact

### OR State Parks

Primary Contact : Hat Rock

Hermiston, OR 97838  
541-983-2277

## Nearest Address

Hat Rock State Park Rd  
Hermiston, OR 97838



## Driving Directions

TO STAGING AREA/BOAT LAUNCH at Hat Rock State Park (SABL-M-298.7L):

1. Head east on Hwy 12 (US-12 E) towards Oregon
2. In Wallula Junction, stay to the right to continue on Hwy 730
3. Stay on Hwy 730 as you cross into Oregon
4. Turn right onto Hat Rock Rd
5. Continue straight to stay on Hat Rock State Park Rd
6. Location is at the end of the road.

## Two Rivers Park

BL-M-324.3R

### Boat Launch Location

**Position - Location:** 46° 11.051', -119° 1.951' 46° 11' 3.1", -119° 1' 57.1" 46.18419, -119.03252 Kennewick

**Comments:** Public staging area and boat launch on the right bank of the Columbia River. Notify county before staging equipment.



### Location Information

| Asset               | Type/Status         | Amount/Number |
|---------------------|---------------------|---------------|
| Boat Dock(s)        | Yes                 | 3             |
| Boat Ramp(s)        | Concrete, Solid     | 2             |
| Covered Spaces      | No                  |               |
| Estimated Lot Size  | Square Feet         | 30000         |
| Fuel                | No                  |               |
| Lot Cover (Primary) | Dirt/Gravel         | 100 %         |
| Parking - Car       | Gravel              | 20            |
| Parking - Trailer   | Gravel              | 10            |
| Power               | No                  |               |
| Restroom            | Restroom - Portable |               |
| User Fee            | No                  |               |
| Waste Disposal      | Trash Receptacle    |               |
| Water (potable)     | No                  |               |

### GRP Response Strategies Served:

M-324.3R, M-329.0M, MSN-0.8M, M-328.0L, M-328.4L, M-328.9R, M-330.3R, M-326.5L, M-327.1L, M-326.1M, M-325.8L, M-325.7R, M-325.6L, M-325.5R, M-323.2R, M-321.9L, M-318.3R, M-323.1M, M-324.8R, M-324.3M, M-323.5M, M-323.9M, M-323.4M, M-322.6M



SA-M-324.3R Photo: From parking lot, looking northeast towards river (downriver is to the right).

## Site Contact

### Benton County

Land/Property Contact : Parks Dept.

Kennewick, WA 99336  
509-737-3951

## Nearest Address

220880 E Finley Rd  
Kennewick, WA 99337



## Driving Directions

1. Go south on US-395 toward W Vineyard Dr
2. Continue on WA-397
3. Make sharp right on E A St
4. Turn left on S 10th Ave
5. Continue on WA-397 (Ed Hendler Brg)
6. At fork keep left on WA-397 (N Gum St/turns into E Chemical Dr)
7. Turn left on E Finley Rd
8. Turn left onto gravel road at 220880 East Finley Road (just before S. Stevens Dr), follow gravel road to the end



## Columbia Point Marina Park

BL-M-336.4R

### Boat Launch Location

**Position - Location:** 46° 15.836', -119° 14.998' 46° 15' 50.1", -119° 14' 59.9" 46.26393, -119.24997 Richland

**Comments:** Public staging area and boat launch on the right bank of the Columbia River. Notify City of Richland before staging equipment.



### Location Information

| Asset               | Type/Status      | Amount/Number |
|---------------------|------------------|---------------|
| Boat Dock(s)        | Yes              | 3             |
| Boat Ramp(s)        | Concrete, Solid  | 2             |
| Covered Spaces      | No               |               |
| Estimated Lot Size  | Square Feet      | 150000        |
| Fuel                | Yes              |               |
| Lot Cover (Primary) | Asphalt          | 100 %         |
| Parking - Car       | Marked           | 65            |
| Parking - Trailer   | Marked           | 100           |
| Power               | Yes              |               |
| Restroom            | Restroom - Flush |               |
| User Fee            | No               |               |
| Waste Disposal      | Trash Receptacle |               |
| Water (potable)     | Yes              |               |

### GRP Response Strategies Served:

M-334.3M, M-334.0R, YAK-2.1L, M-335.8R, M-336.7R, M-331.4L, M-333.8L, YAK-4.2L, M-335.0M, M-336.1R, M-332.8R, M-334.5L, M-338.2L, M-340.7L, M-336.4R





SA-M-336.4R Photo: From parking lot, looking northwest towards the marina. The river is to the right.

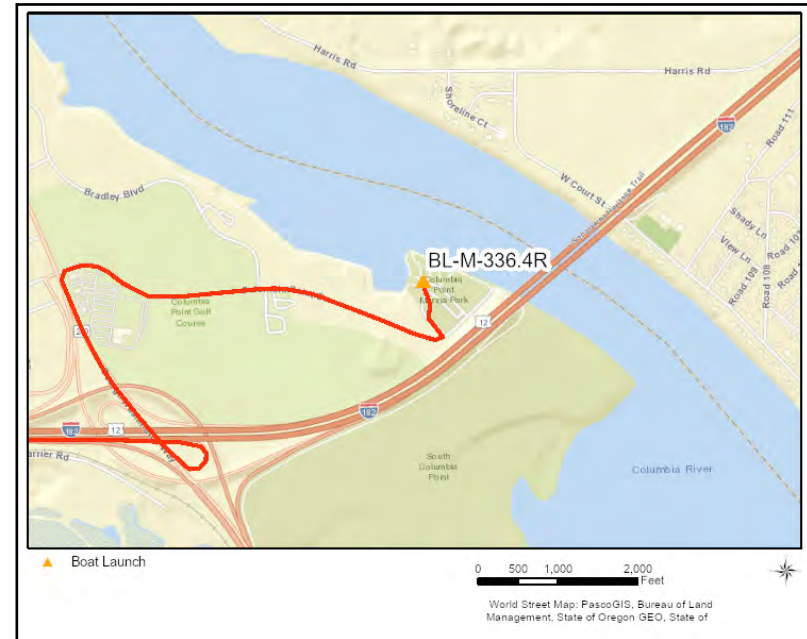
## Site Contact

### City of Richland

Primary Contact : Parks & Public Facilities  
505 Amon Park Dr  
Richland, WA 99352  
509-942-7664

## Nearest Address

660 Columbia Point Dr  
Richland, WA 99352



## Driving Directions

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Take the exit on the right to Columbia Point Dr
5. Bear right on Columbia Point Dr
6. Location is on the left

# Howard Amon Park

BL-M-337.8R

## Boat Launch Location

**Position - Location:** 46° 16.816', -119° 16.274' 46° 16' 49.0", -119° 16' 16.4" 46.28027, -119.27123 Richland

**Comments:** Public staging area and boat launch on the right bank of the Columbia River. Notify City of Richland before staging equipment.



## Location Information

| Asset               | Type/Status      | Amount/Number |
|---------------------|------------------|---------------|
| Boat Dock(s)        | Yes              | 2             |
| Boat Ramp(s)        | Concrete, Solid  | 2             |
| Covered Spaces      | No               |               |
| Estimated Lot Size  | Square Feet      | 60000         |
| Fuel                | No               |               |
| Lot Cover (Primary) | Asphalt          | 100 %         |
| Parking - Car       | Marked           | 40            |
| Parking - Trailer   | Marked           | 20            |
| Power               | No               |               |
| Restroom            | Restroom - Flush |               |
| User Fee            | No               |               |
| Waste Disposal      | Trash Receptacle |               |
| Water (potable)     | Yes              |               |

## GRP Response Strategies Served:

M-337.8R, M-337.3R

## Howard Amon Park

BL-M-337.8R



SA-M-337.8R Photo: From parking lot, looking southeast towards river. Downriver is to the right.

### Site Contact

#### City of Richland

Land/Property Contact : Parks & Public Facilities  
505 Amon Park Dr  
Richland, WA 99352  
509-942-7664

### Nearest Address

Amon Park Dr  
Richland, WA 99352



### Driving Directions

1. Head east on I-82 / US-12 / US-97
2. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
3. Take exit 5B on the right to merge onto Geo Washington Way
4. Turn right on Newton St
5. Location is on the left

## Leslie Groves Park

BL-M-340.1R

### Boat Launch Location

**Position - Location:** 46° 18.866', -119° 15.643' 46° 18' 51.9", -119° 15' 38.6" 46.31443, -119.26071 Richland

**Comments:** Public staging area and boat launch on the right bank of the Columbia River. Notify City of Richland before staging equipment.



### Location Information

| Asset               | Type/Status      | Amount/Number |
|---------------------|------------------|---------------|
| Boat Dock(s)        | Yes              | 2             |
| Boat Ramp(s)        | Concrete, Solid  | 3             |
| Covered Spaces      | No               |               |
| Estimated Lot Size  | Square Feet      | 60000         |
| Fuel                | No               |               |
| Lot Cover (Primary) | Asphalt          | 100 %         |
| Parking - Car       | Marked           | 20            |
| Parking - Trailer   | Marked           | 20            |
| Power               | No               |               |
| Restroom            | Restroom - Flush | 2             |
| User Fee            | No               |               |
| Waste Disposal      | Trash Receptacle |               |
| Water (potable)     | Yes              |               |

### GRP Response Strategies Served:

M-340.3R





SA-M-340.1R Photo: From parking lot, looking east towards river. Downriver is to the right.

## Site Contact

### City of Richland

Primary Contact : Parks & Public Facilities  
505 Amon Park Dr  
Richland, WA 99352  
509-942-7664

## Nearest Address

50 Snyder St  
Richland, WA 99354



## Driving Directions

1. Head east on I-82
2. Turn right to merge onto I-82 E / US-12 E / US-97 S toward Richland
3. Take exit 102 on the right to merge onto I-182 E / US-12 E toward Richland / Pasco
4. Take exit 4 on the right to merge onto the highway toward Wellsian Way / WA-240 W / Vantage
5. At the traffic light, turn right on Saint St
6. At the traffic light, turn left on George Washington Way
7. Turn right on Snyder St
8. Location is on the right