LOWER COLUMBIA RIVER GRP OCTOBER 2015

## Johnson Creek (OR) WR-18.4R

**Position - Location:** 45° 26.657', -122° 38.651' 45° 26' 39.4", -122° 38' 39.1" 45.44428, -122.64419 Milwaukie

Strategy Objective: Exclusion: Prevent oil from impacting historic features and shallow water (restored) habitat at creek mouth.

Implementation:

Launch from Milwaukie Riverfront Park BL-WR-18.5R with 600' of boom. Anchor boom to shore on one side of historic pilings at the creek entrance using shoreline anchoring systems. Tow center of boom toward mid-river (~60' depth) to make a chevron formation, then attach final end of boom to shore on the opposite side of the creek. Add additional Danforth type anchors to boom line, one ever 100-150'. Adjust angle of boom, quantity and placement of anchors, based on conditions of the day. Avoid ANY impact to historic pilings. Notify Environmental Unit if deploying this strategy.

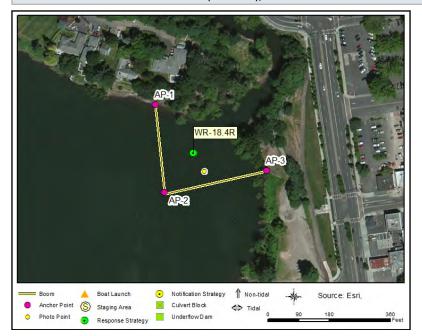
Staging Area: Remote: Stage from Milwaukie Riverfront Park SA-WR-18.5R; launch from same BL-WR-18.5R.

Site Safety: Water hazard, river traffic, submerged obstructions, historic pilings

Field Notes: Launch from BL-WR-18.5R

Watercourse: River - Below a Dam - Low/medium flow

Resources at Risk: Fall Salmon (Chinook), Salmon Trout Enhancement Program Area, Sensitive Resources, Winter Steelhead



## Recommended Equipment

5	Each	Anchor - Danforth (or other appropriate type)
600	Feet	Boom - B3 (River Boom) or equivalent
2	Each	Shore Connect System (posts, driver, anchor, chain, line)
1	Each	Workboat(s) - of adequate size for type and amount of boom

## **Recommended Personnel**

1	Boat Operator	
3	Laborer	

APPENDIX 4A 529