LOWER COLUMBIA RIVER GRP OCTOBER 2015

Carrolls Channel - S end (WA)

LCR-71.6R

Position - Location:	46° 3.152', -122° 52.494'	46° 3' 9.1", -122° 52' 29.7"	46.05253, -122.87491	Kalama
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Strategy Objective: Collection, Deflection: Divert oil into collection pocket and prevent it from entering Carrolls Channel.

Implementation:

From BL-LCR-72.7R, Crew 2 deploy workboat to south opening of Carrolls Channel. Crew 1 stage 800ft. of boom onshore at Port of Kalama property and pass line to Crew 2 using line-throwing device or other means. Crew 2 anchor boom at AP-2 and every 100-150ft. along boom length or as appropriate for conditions. Crew 1 anchor at AP-1 using shoreside anchor posts. If oil is travelling upstream through channel, collect using vac truck staged on Port of Kalama property or skimmer and portable storage.

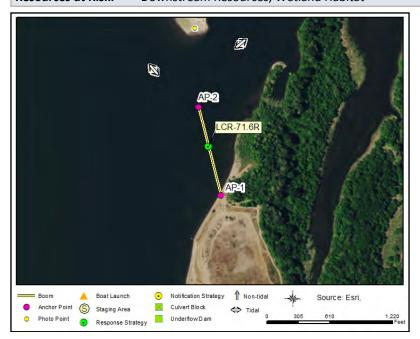
Staging Area: Remote: Stage at SA-LCR-72.7R, Sportsmen's Club

Site Safety: Slips, trips, and falls. Water hazards. Commercial and recreational boat traffic. Boom will need to be monitored and lighted at night.

Field Notes: Vehicle access from east shore, Port of Kalama property.

Watercourse: River - Side Channel - Carrolls Channel

Resources at Risk: Downstream Resources, Wetland Habitat



Recommended Equipment

7	Each	Anchor - Danforth (or other appropriate type)
1	Each	Anchoring System(s)- Shoreside
800	Feet	Boom - B3 (River Boom) or equivalent
1	Each	Line throwing gun(s) or device(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
3 Laborer
1 Supervisor

APPENDIX 4A 347