LOWER COLUMBIA RIVER GRP OCTOBER 2015

## JBH Refuge Levee Breach #2 (WA)

LCR-35.3R

Position - Location:	46° 14.775', -123° 25.880'	46° 14' 46.5", -123° 25' 52.8"	46.24624, -123.43134	Cathlamet
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Strategy Objective: Exclusion: Prevent oil from entering channel and flowing into JBH Refuge

Implementation:

From BL-LCR-33.5R, Crew 2, launch workboat to south levee breach location. Crew 1 remain onshore and pass line attached to center of 800' of boom to Crew 2 using line throwing device. Deploy boom in a chevron formation. Crew 1 anchor to AP-1 using shoreside anchor posts. Crew 2 anchor to AP-2 using shoreside anchor posts, and AP-3 using Danforth or other appropriate anchor. Anchor every 100-150ft. along boom length or as appropriate for conditions. Water only tops this part of the levee at high water.

Staging Area:	site: Stage on Steamboat Slough Rd. (road is closed to vehicle traffic- contact JBH Refi	uge for access)
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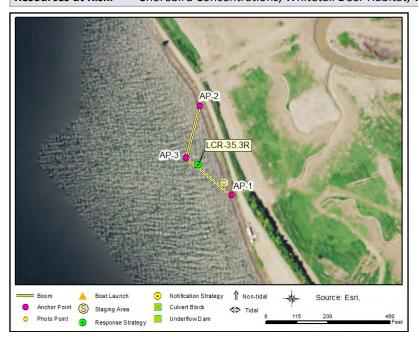
**Site Safety:** Slips, trips, and falls. Water hazards.

Field Notes: Site is where USACE recently (2014) breeched old levee to allow flow into wetland area. This levee breach is ~170yds. across at full bank

levels and only has water over it at high tides.

Watercourse: River - With Tidal Influence - Columbia River

Resources at Risk: Shorebird Concentrations, Whitetail Deer Habitat, Wildlife Refuge



## Recommended Equipment

7	Each	Anchor - Danforth (or other appropriate type)
2	Each	Anchoring System(s)- Shoreside
800	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Line throwing gun(s) or device(s)
1	Each	Workboat(s) - of adequate size for type and amount of boom

## **Recommended Personnel**

1	Boat Operator	
4	Laborer	
1	Supervisor	

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