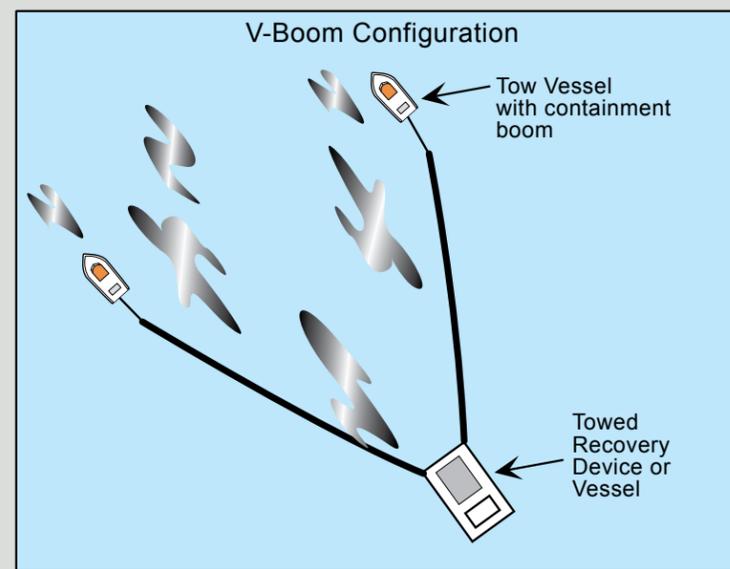


An example of the *Exclusion Booming Tactic*. Actual deployment should be adjusted for local conditions.



An example of the *Free-oil Recovery Tactic*. Actual deployment should be adjusted for local conditions.

Map Legend

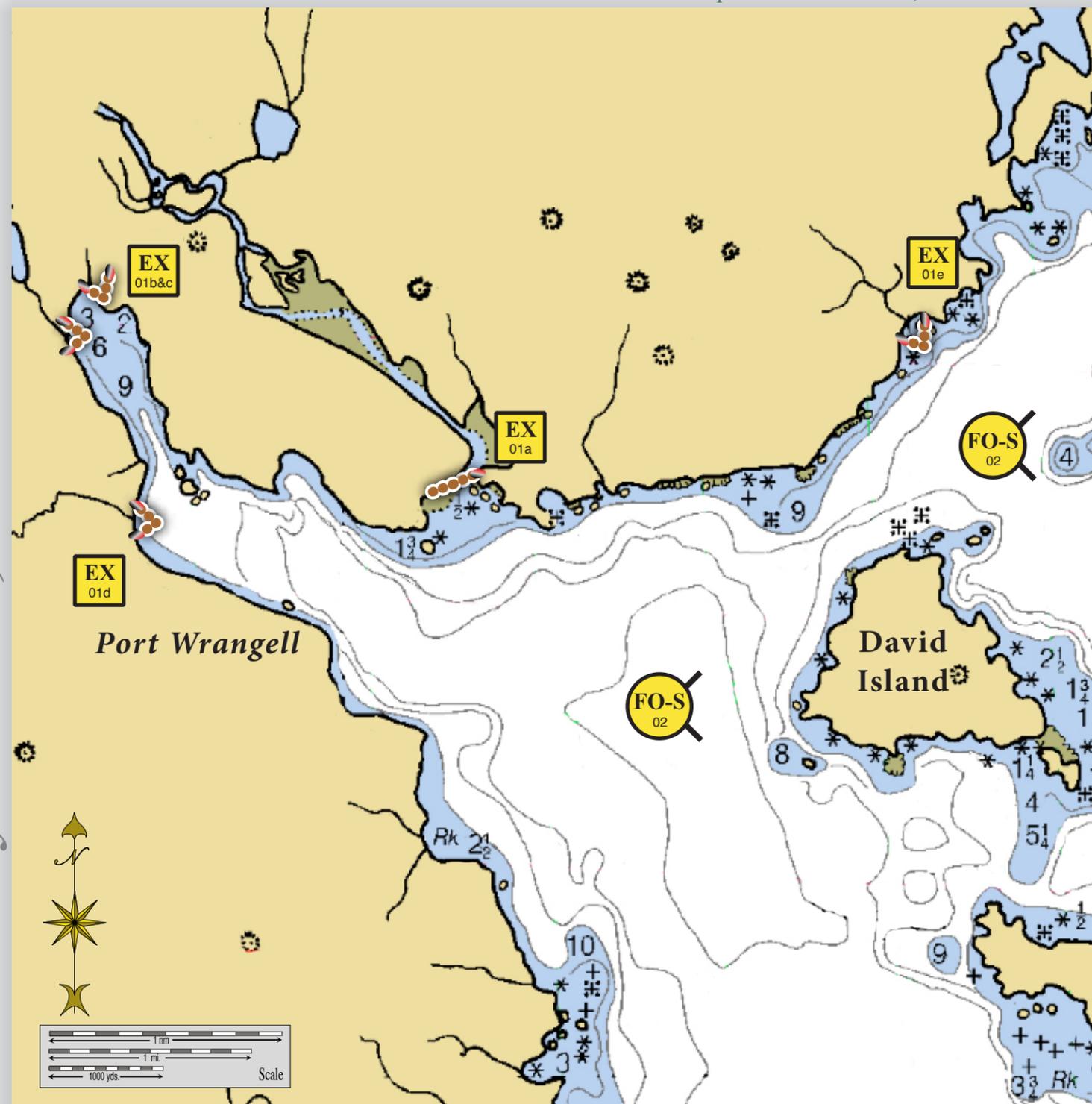
- Free-oil Recovery
- Exclusion Booming
- Fast-water Boom
- Tidal-seal Boom
- Bears in Area, Guards Recommended

Aerial photography of this area is unavailable at this time, but may be included as it becomes available.

Geographic Response Strategies for Bristol Bay Subarea, Southern Zone

Port Wrangell, BB-S15

Center of map at 58° 46.93' N Lat., 161° 12.12' W Lon.



This is not intended for navigational use.

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
S-15-01 EX	Port Wrangell a. Lat. 57° 02.89'N Lon. 156°33.73'W b. Lat. 57° 01.97'N Lon. 156°46.60'W c. Lat. 57° 03.53'N Lon. 156°37.38'W d. Lat. 56° 02.70'N Lon. 156°36.83'W e. Lat. 56° 03.59'N Lon. 156°30.00'W	Exclusion Exclude oil from impacting the streams in Port Wrangell.	Deploy anchors and boom with skiffs (class 6) at high tide. For (a) place fast-water boom across the entrance to the lagoon. Adjust the angle to ensure minimal entrainment. For the remaining strategies, place protected-water boom in a chevron pattern in front of the entrance to the streams. Complete the arrays by placing 60 ft. of tidal seal boom on each leg. Tend throughout the tide. Boom Length: a. 700 ft b. 200 ft c. 200 ft d. 200 ft e. 300 ft	Deployment Equipment 1600 ft. fast-water boom 600 ft. tidal seal boom 8 ea. anchor systems 20 ea. anchor stakes Vessels 1 ea. class 3 2 ea. class 6 Personnel/Shift 7 ea. vessel crew/general techs Tending Vessels 1 ea. class 3 1 ea. class 6 Personnel/Shift 3 ea. vessel crew/general techs	Vessel Platform	Via marine waters Chart 16568	Fish- intertidal spawning- salmon (June-Sept.) Birds-waterfowl, seabird and shorebird concentration Marine mammals- sea otters Habitat- gravel beaches, marsh Human use-subsistence, commercial fishing	Vessel master should have local knowledge. A large population of bears are in the area. Bear guard required. Title 41 permitting required from ADNR. THREATENED OR ENDANGERED SPECIES/HABITAT POSSIBLE. Discuss with DOI prior to on-site operations. Surveyed: not yet Tested: not yet
S-15-02 FO-S	Port Wrangell Nearshore waters in the general area of: Lat. 57° 00.15'N Lon. 156°42.88'W	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Port Wrangell depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of the Port Wrangell. Use aerial surveillance to locate incoming slicks.	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Chignik	Via marine waters Chart 16568	Same as S-15-01	Vessel master should have local knowledge. Use extreme caution, shallow waters with shifting channels and bars.

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the Bristol Bay Subarea Contingency Plan: http://dec.alaska.gov/spar/perp/plans/scp_bb.htm.