King Cove Lagoon, AEA-12

Center of map at 55° 02.955' N Lat., 162° 19.119' W Lon.

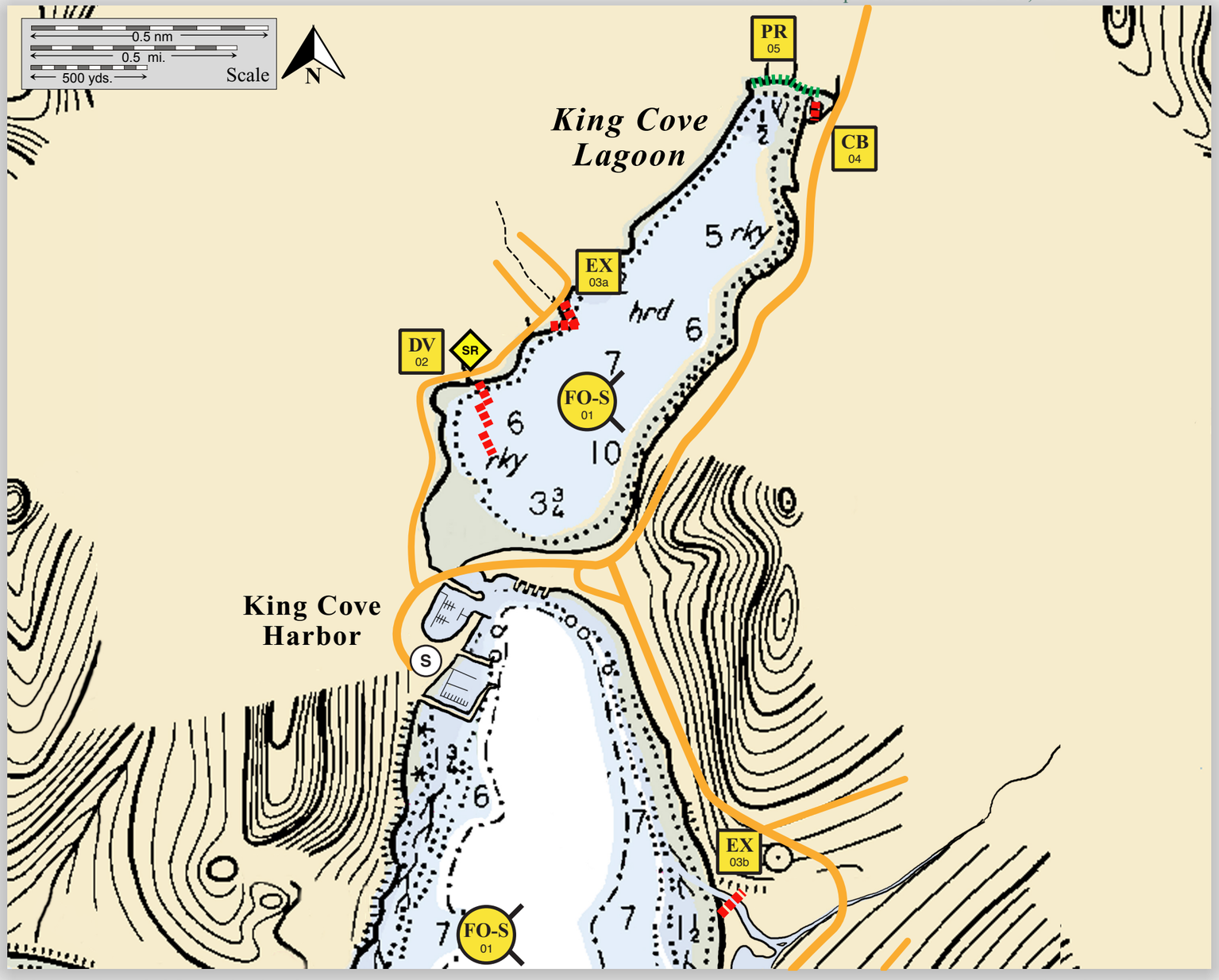
Map & Photo Legend

- Free-oil Containment and Recovery, Shallow Water (FO-S)
- Diversion Booming (DV)
- Exclusion Booming (EX)
- Culvert Blocking (CB)
- Passive Recovery and Collection (PR)
- Shoreside Recovery (SR)
- Protected-water Boom
- Sorbent or Snare Boom
- Staging Area (S)
- Road

There are no photos available at this time for this GRS site.

Geographic Response Strategies for

Aleutians Subarea



This is not intended for navigational use.

Soundings in fathoms

June 30, 2008

NUKA Research & Planning Group, LLC.

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
AEA-12-01  	**King Cove Lagoon** Nearshore waters in the general area of: Lat. 55º03.34'N Lon. 162º19.07'W	**Free-oil Recovery** Maximize free-oil recovery in the offshore & nearshore environment of King Cove Lagoon depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of King Cove Lagoon. 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.	Vessel platform	Via marine waters Chart 16549-2	Same as AEA-12-02	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks.
AEA-12-02  	**King Cove Lagoon** Lat. 55º04.19'N Lon. 162º19.53'W	**Divert and Collect-Shoreside** During a flooding tide with oil entering the lagoon, place the boom in a cascading pattern and divert oil to a collection location on the shoreline.	Stage boom on shore with a truck. Using a skiff, place 5 x 300 ft. sections of protected water boom in cascading array at the proper angle to divert incoming oil to the collection site. Set up shoreside recovery and tend throughout the tide.	**Deployment** **Equipment** 1500 ft. protected-water boom 15 ea. small anchor systems 2 ea. anchor stakes **Vessels** 1 ea. class 6 **Personnel/Shift** 2 ea. vessel crew/general techs 2 ea. spill techs **Tending** **Vessels** 1 ea. class 6 **Personnel/Shift** 2 ea. vessel crew/general techs 1 ea. spill tech	King Cove Harbor	Stage via road system	Fish- intertidal spawning-salmon (May-Sept.)herring spawning (April-May) Birds- waterfowl concentration-threatened waterfowl present, seabird nesting, shorebird concentrations Human use- commercial fishing, subsistence Habitat- marsh, exposed, rocky shoreline, gravel beach, eel grass	Vessel master should have local knowledge. REPORT any cultural resources found during operations to FOSC Historic Properties Specialist. THREATENED OR ENDANGERED SPECIES/HABITAT POSSIBLE/PRESENT. Discuss with DOI prior to on-site operations. Site surveyed: 05/9/08. Tested: not yet
AEA-12-03  	**King Cove Lagoon** Stream Locations a. Lat. 55º04.39'N Lon. 162º18.98'W b. Lat. 55º02.61'N Lon. 162º18.12'W	**Exclusion** Exclude oil from impacting the identified streams and intertidal areas in King Cove Lagoon.	Deploy anchors and boom with skiffs at high tide. Place and anchor protected-water boom across the streams and inter-tidal area as indicated. Place array (a) in a chevron pattern in front of the intertidal area. At high tide, place (b) at an adequate angle to exclude oil from the intertidal area. Tend throughout the tide. Boom Lengths: a. 300 ft. b. 150 ft	**Deployment** **Equipment** 450 ft. protected-water boom 4 ea. small anchor systems 30 ea. anchor stakes **Vessels** 1 ea. class 6 **Personnel/Shift** 2 ea. vessel crew/general techs **Tending** **Vessels** 1 ea. class 6 **Personnel/Shift** 2 ea. vessel crew	King Cove Harbor	Via road system Chart 16549-2	Same as AEA-12-02	Site surveyed 5/10/08. A large population of bears forage on the tidal flats in the spring and are present during salmon runs. A bear guard is required. Title 16 permitting required from ADF&G. Tested: not yet
AEA-12-04  	**King Cove Lagoon** Lat. 55º05.05'N Lon. 162º17.70'W	**Culvert Blocking** Exclude the flow of oil into or out of the area adjacent to the back of King Cove Lagoon by blocking the culvert that passes under the road.	Place plywood or similar sheeting material across the entrance of the culvert. Use plastic sheeting to ensure the seal. Stack adequate sandbags against the plywood sheeting to counter the out flow pressure from the intertidal area. Monitor the block to ensure blocking integrity.	**Deployment** **Equipment** Plywood sheeting 100 sand bags Plastic sheeting **Transport** 1 ea. Truck **Personnel/Shift** 2 ea. vessel crew/general techs **Tending** **Vessels/Personnel/Shift** Same as AEA-12-02	Same as AEA-12-02	Via road system	Same as AEA-12-02	Use a full block if the water will not threaten the road and can be maintained with tidal flow. If the area requires continued draining use an underflow dam or adjustable wier to exclude incoming oil.
AEA-12-05  	**King Cove Lagoon** Lat. 55º05.10'N Lon. 162º17.89'W	**Passive Recovery** Place passive recovery across the mouths of the designated salmon stream.	The streams at the back of the lagoon are braided and move seasonally. Place and anchor snare or sorbent boom across the mouths of the designated salmon streams and intertidal areas. Replace as necessary to maximize the recovery.	**Deployment** **Equipment** 500 ft. snare or sorbent boom 20 ea. anchor stakes **Vessels/Personnel/Shift** Same as AEA-12-02 **Tending-Vessels/Personnel/Shift** Same as AEA-12-02	King Cove Harbor	Via road system	Same as AEA-12-02	Use snare boom for persistent oils and sorbent boom for non-persistent oils.