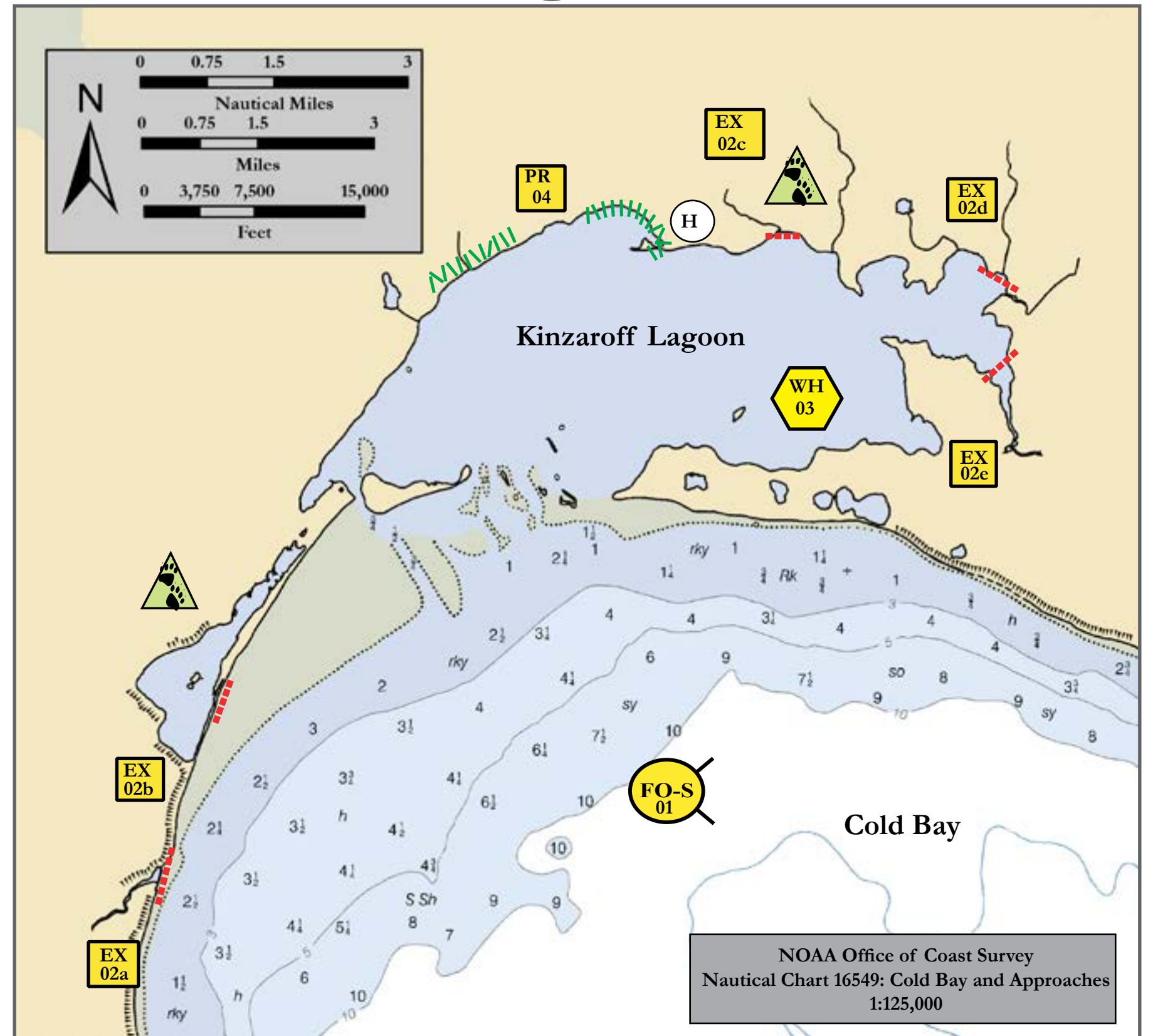


## Map & Legend

<b>EX</b>	Exclusion Booming		Bears in Area, Guards Recommended
<b>PR</b>	Passive Recovery		Wildlife Hazing
<b>FO-S</b>	Free-oil Containment and Recovery, Shallow Water		Protected-water Boom
<b>H</b>	Helicopter Landing Pad		Snare or Sorbent Boom

## Geographic Response Strategies for Aleutian Islands Zone A





# Kinzaroff Lagoon, AEA-16



Map is not intended for navigational use.

Lat. 55° 15' 50.1" N  
Lon. 162° 38' 40.4" W

Depths in Fathoms

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
AEA-16-01 	<b>Kinzaroff Lagoon</b>  Nearshore waters in the general area of:  Lat. 55° 15.84' N Lon. 162° 38.49' W	<b>Free-oil Recovery</b>  Maximize free-oil recovery in the offshore & nearshore environment of Kinzaroff Lagoon depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Kinzaroff 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 the sensitive areas in Kinzaroff Lagoon.	Vessel Platform	Via marine waters  Chart 16549-1	Same as AEA-16-02	Vessel master should have local knowledge.  Use extreme caution, shoal waters with numerous reefs and rocks.
AEA-16-02 	<b>Kinzaroff Lagoon</b>  a. Lat. 55° 14.10' N Lon. 162° 43.04' W  b. Lat. 55° 15.09' N Lon. 162° 42.62' W  c. Lat. 55° 18.11' N Lon. 162° 36.11' W  d. Lat. 55° 17.87' N Lon. 162° 33.73' W  e. Lat. 55° 16.94' N Lon. 162° 33.65' W	<b>Exclusion</b>  Exclude oil from entering the western entrance to Kinzaroff Lagoon.	Deploy using helicopter due to extremely shallow waters.  Place and anchor protected-water boom across each stream mouth. For (a & b) use anchor system to secure.  Tend throughout the tide.  <u>Boom Lengths:</u>  a. 200 ft.  b. 200 ft.  c. 50 ft.  d. 50 ft.  e. 50 ft.	<b>Deployment Equipment</b> 550 ft. protected-water boom 2 ea. Small anchor systems 20 ea. Anchor stakes  <b>Vessels</b> 1 ea. Helicopter 1 ea. Raft  <b>Personnel/Shift</b> 2 ea. Vessel crew/spill tech  <b>Tending Vessels</b> 1 ea. Helicopter  <b>Personnel/Shift</b> 2 ea. Vessel crew/spill tech	Cold Bay Airport	Via marine waters  Chart 16549-1	<b>Fish-</b> intertidal spawning salmon (May-Sept.), herring (April-May)  <b>Birds-</b> waterfowl, threatened species are present  <b>Marine mammals-</b> seals, otters  <b>Habitat-</b> eel grass, gravel beach, marsh, exposed rocky shoreline  <b>Human uses-</b> Sport fishing, bird hunting, Subsistence fishing	Title 16 permitting require3d from ADF&G.  A large population of bears forage on the tidal flats in the spring and are present during salmon runs. A bear guard is required.  FOSC Historic Properties Specialist should INSPECT this site prior to deployment.  THREATENED OR ENDANGERED SPECIES/HABITAT POSSIBLE/PRESENT. Discuss with DOI prior to on-site operations.  Site surveyed: 05/12/16 Tested: No
AEA-16-03 	<b>Kinzaroff Lagoon</b>  Nearshore waters in the general area of:  Lat. 55 18.08' N Lon. 162 38.96' W	<b>Wildlife Hazing</b>  Under the direction of wildlife managers, use hazing techniques to drive waterfowl away from incoming oil.	Access the area via the ATV trail system.  Use hazing equipment as directed by wildlife managers to drive waterfowl away.  Maintain hazing techniques until the oil is immobilized or removed from the area.  Tend throughout the tide.	Deployment Equipment 2 ea. Hazing package  Vessels 2 ea. ATV and trailer  Personnel/Shift 2 ea. Spill techs  Tending Vessels/Personnel/Shift 2 ea. Spill techs	USFWS Parking lot	Via ATV trails	Same as AEA-16-02	Use aerial surveys to determine slick location and trajectory.
AEA-16-04 	<b>Kinzaroff Lagoon</b>  Lat. 55 17.45' N Lon. 162 37.79' W	<b>Passive Recovery</b>  Place passive recovery tactics to recover oil that may collect on the shoreline at locations determined during aerial survey.	Place and anchor snare or sorbent boom at the high tide line at the natural collection areas in Kinzaroff Lagoon.	<b>Deployment Equipment</b> 2000 ft. snare or sorbent boom 20 ea. Anchor stakes  <b>Vessels/Personnel/Shift</b> Same as AEA-16-02  <b>Tending Vessels/Personnel/Shift</b> Same as AEA-16-02	USFWS Parking lot.	Via ATV trails	Same as AEA-16-02	Use aerial surveys to determine collection areas on shore.