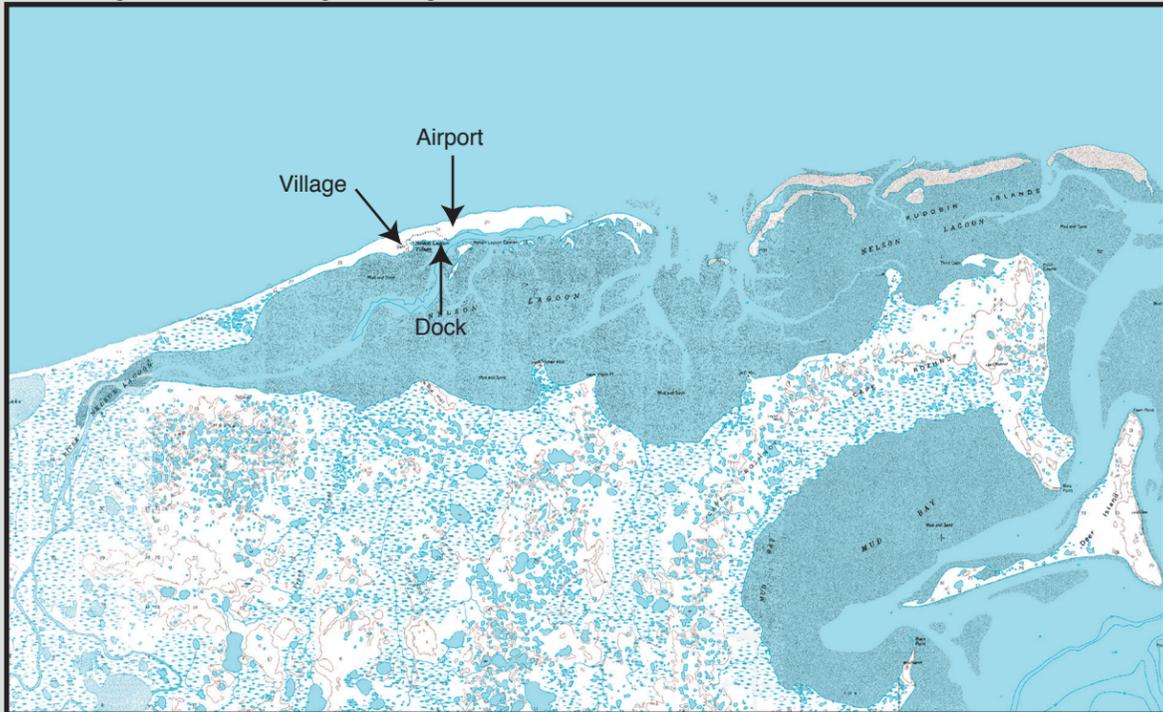




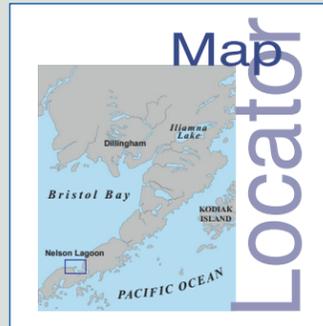
Village dock and transfer location.



Nelson Lagoon and Nelson Lagoon Village viewed from the south.



Map & Photo Locator Legend



- Free-oil Containment and Recovery, Shallow Water
- Diversion Booming
- Shoreside Recovery
- Calm-water Boom
- Tidal-seal Boom
- Staging Area
- Airport

Geographic Response Strategies for Aleutians Subarea

Nelson Lagoon, AEA01

Center of map at 56° 00' N Lat., 161° 10' W Lon.



This is not intended for navigational use.

Soundings in fathoms

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
AEA-01-01	<p>Nelson Lagoon Nearshore waters in the general area of: Lat. 56° 00.116' N Lon. 161° 10.357' W</p>	<p>Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Nelson Lagoon depending on spill location and trajectory.</p>	<p>Deploy two free-oil U-boom strike teams upwind and up current of Nelson Lagoon. Use one marine recovery team to collect oil from the U-booms. Use aerial surveillance to locate slicks.</p>	<p>Deployment Equipment 1000 ft. protected-water boom Vessels 1 ea. class 4 (fishing vessel for recovery) 4 ea. class 6 (skiffs) 1 ea. marine recovery unit, including primary storage Personnel/Shift 11 ea. vessel crew</p>	Nelson Lagoon Dock or Beach	From Nelson Lagoon Chart 16363	Same as AEA-02-02	<p>Vessel master should have local knowledge. Use extreme caution, shoal waters with strong currents. A wildlife over flight should be taken as soon as possible to determined wildlife location. Free-oil recovery units should be positioned to protect sensitive wildlife.</p>
AEA-01-02	<p>Nelson Lagoon Flood Tide: Lat. 56° 00.213' N Lon. 161° 10.785' W Ebb Tide: Lat. 56° 00.357' N Lon. 161° 10.353' W</p>	<p>Divert and Collect Divert oil to shore-side collection points determined by spill source and trajectory. As shown this strategy assumes an oil spill from the dock area. The response equipment is stationed downstream of the spill source and relocated as the tidal current changes. The boom angle will have to be continuously modified as dictated by the current velocity The collection points will have to be moved if the spill occurs elsewhere in the channel.</p>	<p>Transport equipment to site. Because the strategy is proximate to the spill source, it will be necessary to pre-stage equipment and responders in Nelson Lagoon in order to implement an effective response. Deploy anchors, boom vane and boom with skiffs (class 6). Using identified anchoring points, place protected-water boom to divert oil to shoreline and set-up to collect with shore-side recovery. Tend throughout the tide.</p>	<p>Deployment Equipment 1200 ft. protected-water boom 18 ea. small anchor systems 2 ea. boom-vane control systems 8 ea. anchor stakes 1 ea. shore-side recovery unit Vessels 2 ea. class 6 (skiff) Personnel/Shift 4 ea. vessel crew 2 ea. response tech. Tending Vessels 1 ea. class 6 (skiff) Personnel/Shift 2 ea. vessel crew 2 ea. response tech.</p>	Nelson Lagoon Boat Storage Yard	From Nelson Lagoon Chart 16363	<p>Threaten and Endangered Species – Stellar's Eider (August-April) Fish- intertidal spawning- salmon (May-Sept.) Birds-waterfowl concentratio, shorebird concentration Marine mammals- seals, otters, gray whales Habitat- marsh, sheltered tidal flats Human Use-commercial fishing (May–Sept.)</p>	<p>Vessel masters should have local knowledge. FOSC Historic Properties Specialist should INSPECT this site prior to deployment. Title 16 permit may be required from ADF&G. Upland owned by the Village of Nelson Lagoon. Site surveyed: 5/24/04 Nuka Research and Planning Group, LLC. Tested: not yet</p>