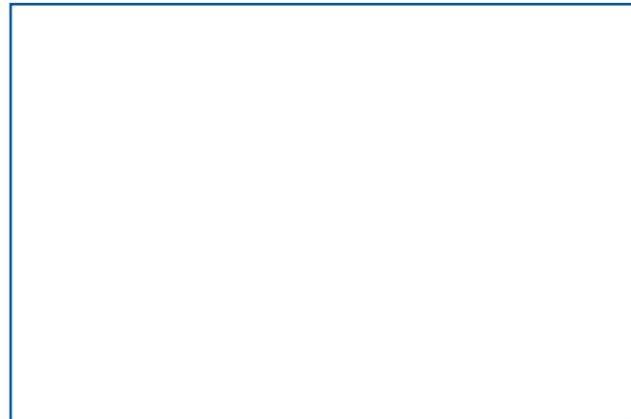
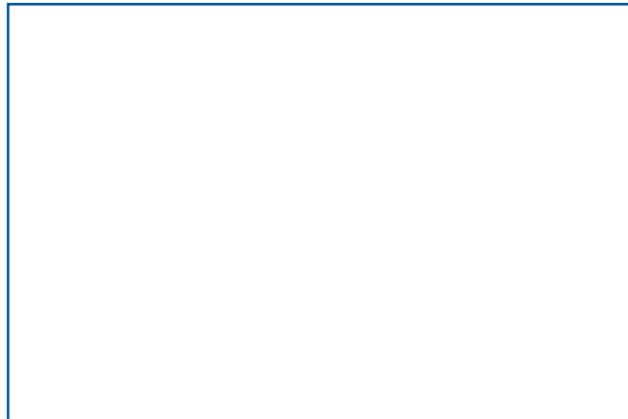


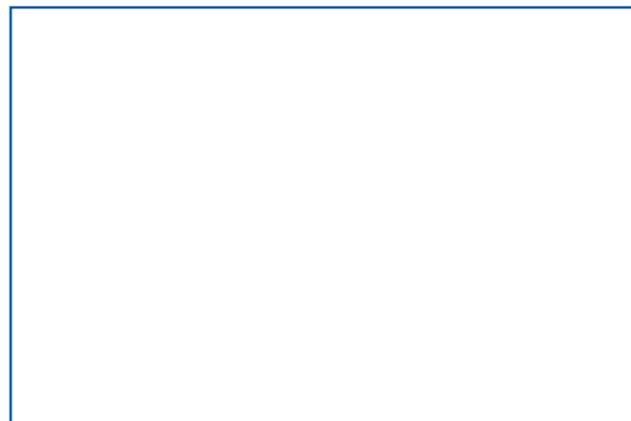
Potential Places of Refuge for Aleutians Subarea



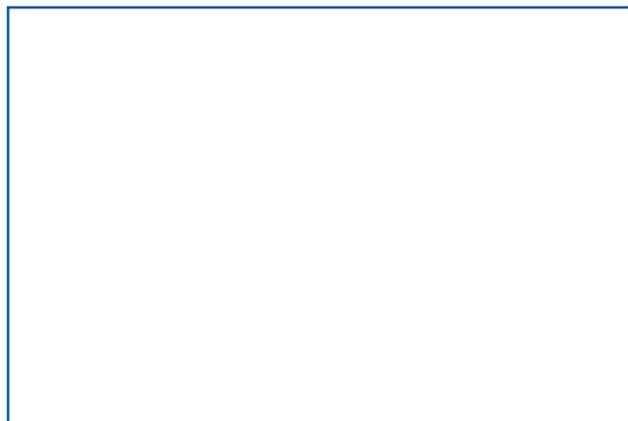
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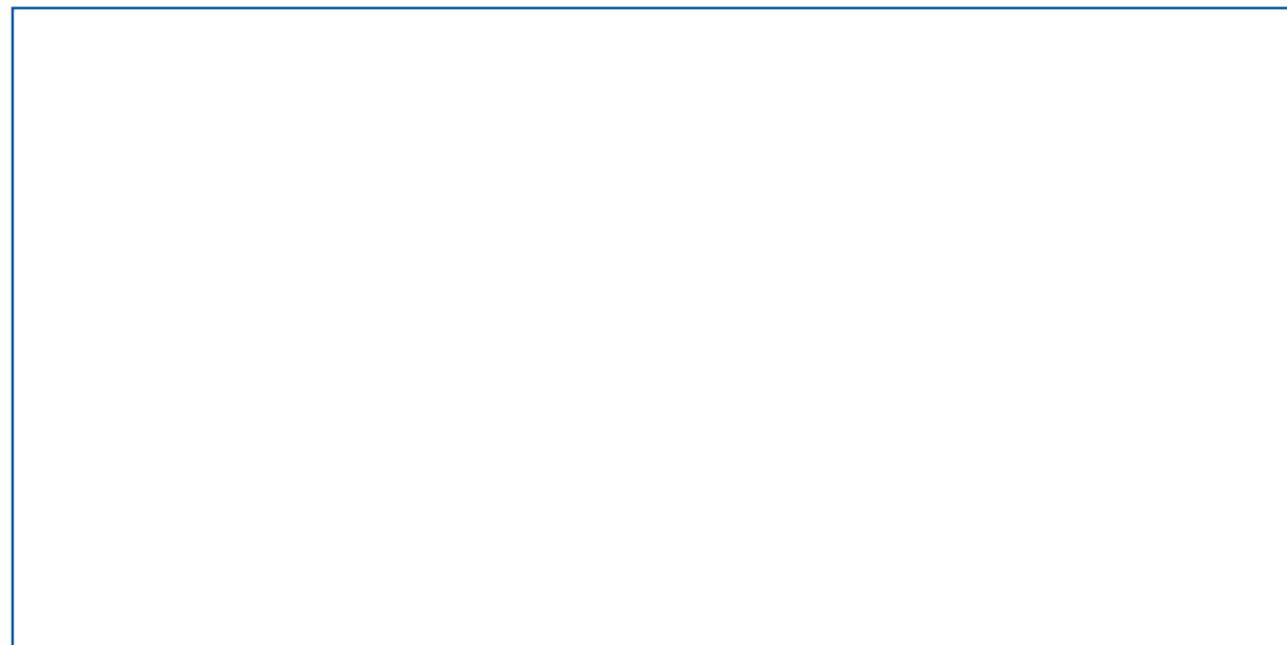
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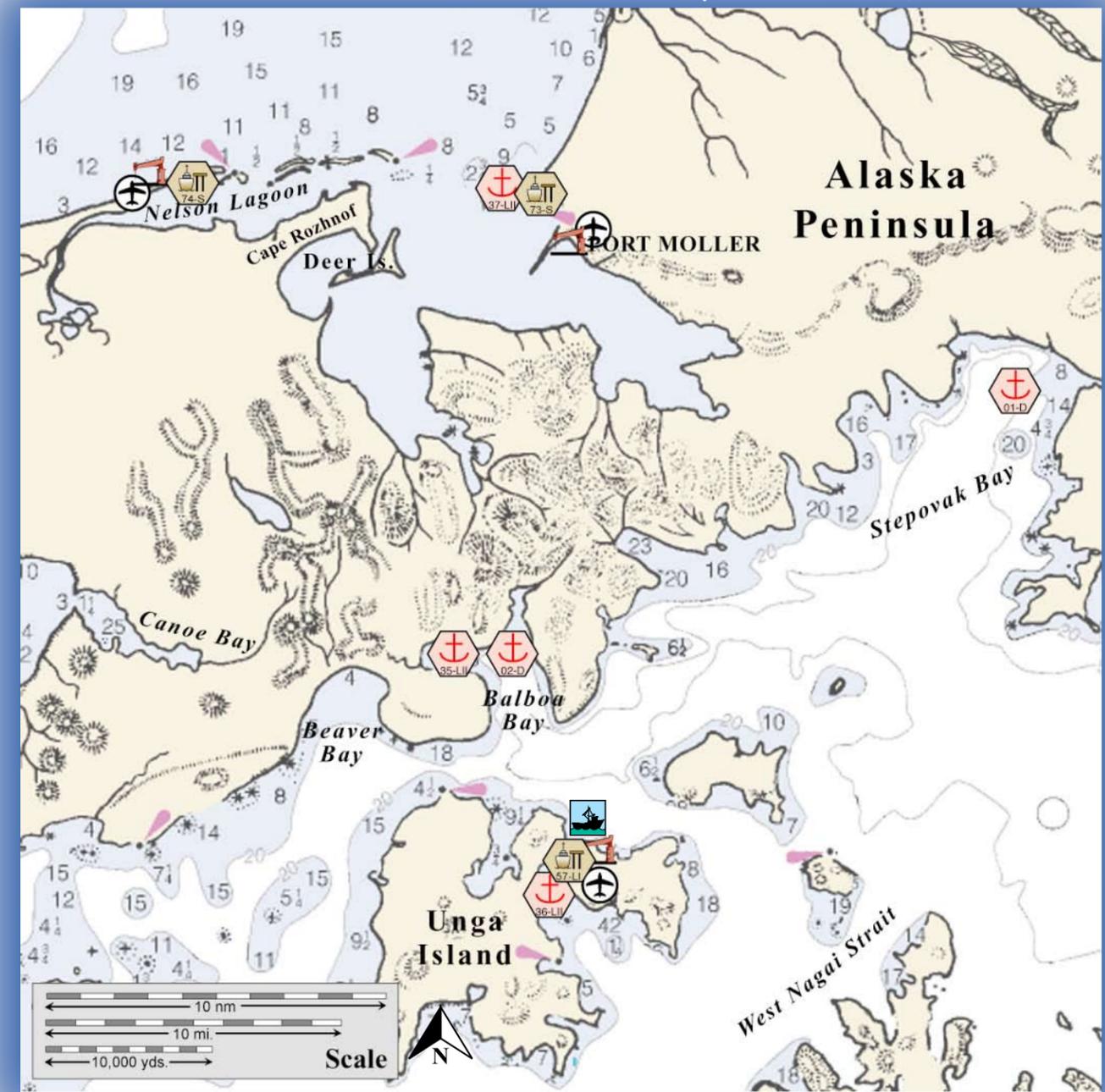


caption.



caption.

Center of map at 55° 37.41' N Lat., 160° 33.73' W Lon.



This is not intended for navigational use.

Soundings in fathoms

	Anchorage		Existing GRS
	Mooring		Fish Hatchery
	Dock/pier		Private Cabins
	Crane		Public Use Cabins
	Airport		Boat Harbor

Map

Locator Map Aleutian Subarea

Aleutian PPOR

Map AIEA-01

Aleutian Islands East A - 01 PPOR (AIEA-01) – Site Considerations								
	Stepovak Bay	Balboa Bay	Lefthand Bay-Balboa Bay	Popof Strait-Sand Point	Entrance Point Anchorage	Sand Point Dock	Port Moller-Cannery Dock	Nelson Lagoon
ID Number	01-D	02-D	35-LII	36-LII	37-LII	57-LI	73-S	74-S
Human Health & Safety								
Communities – distances-nm	Sand Point-42	Sand Point-15	Sand Point-16	Sand Point-0.5	Nelson Lagoon- 19	Sand Point-0.0	Nelson Lagoon- 20	Nelson Lagoon- 0.0
Natural Resource Considerations								
Fish & Wildlife	Spawning salmon, seals, sea otters, waterfowl concentrations, seabird and eagle nesting				Spawning salmon, seals, sea otters walrus, seabird & eagle nesting, waterfowl & shorebird concentration	Spawning salmon, seals, sea otters, waterfowl concentrations, seabird and eagle nesting	Spawning salmon, seals, sea otters walrus, seabird & eagle nesting, waterfowl & shorebird concentration	
Threatened & Endangered Species	Steller's Eider and sea otters are present							
Sensitive Areas	Not Designated			Designated as a Most Environmentally Sensitive Area (MESA 25b- ADFG)				
Other Stakeholder Considerations								
Fisheries	Groundfish, herring, salmon, crab				Salmon	Groundfish, herring, salmon, crab	Salmon	
Historic Properties	Historic Properties are present throughout this area.							
Mariculture	None							
Subsistence	Salmon, marine mammals				Salmon, marine mammals	Salmon, marine mammals, intertidal		
Tourism/Recreation	Minimal recreational use				Local recreational use			
Waterfront Public Facilities/Parks	Alaska Peninsula Wildlife Refuge/No facilities	None		Alaska Maritime Wildlife Refuge, Small Boat Harbor, boat launch	Port Moller Critical Habitat Area	Small Boat Harbor, boat launch	Port Moller Critical Habitat Area	
Waterfront Private Facilities	None			Cannery cranes and dock				
Response and Salvage Resource Considerations								
Ability to Boom Vessel	No			Weather dependent				Yes
Geographic Response Strategies	None							
Closest Alternative Places of Refuge (same sized vessel)	42 nm. to 02-D Balboa Bay	42 nm. to 01-D Stepovak Bay	15 nm. to 36-L2 Popof Strait	15nm. to 35-L2 Lefthand Bay	145 nm. to 05-D Slime Bank	2nm. to 36-L2 Popof Strait	19nm to 68-S Nelson Lagoon	19nm. to 67-S Port Moller

Site ID Number and Vessel Class Classification
D = A deep draft vessel that exceeds 20,000 Gross Tons, has drafts of 25-60 ft. and range from 450 ft.-1000 ft. LOA, typical of Tankers/Cruiseships
LII= A light draft vessel of 10,000 to 19,999 Gross Tons, has drafts up to 25 ft., LOA of up to 450 ft., typical of Ferrys/Trampers
LI= A light draft vessel of 300 to 10,000 Gross Tons, has drafts up to 25 ft., LOA of up to 450 ft., typical of Ferrys/Trampers
S = A shallow draft vessel less than 300 Gross Tons, has a draft less than 15 ft., LOA less than 200 ft., typical of Excursion/Fishing vessels

Aleutian Islands East A -01 PPOR (AIEA-01) Stakeholders	
Year-2007	Contact
Aleutian East Borough	Mayor
Alaska Dept of Fish & Game	Resource Manager
Alaska Department of Natural Resources	Natural Resource Manager
Alaska Peninsula Wildlife Refuge-USFWS	Refuge Manager
City of Sand Point	Mayor
Bristol Bay Native Corporation	President
Native Allotments	Dept of the Interior- Regional Environmental Officer
Shumagan Corporation	President

Aleutian Islands East A -01 PPOR (AIEA-01) – Physical and Operational Characteristics									
	Stepovak Bay	Balboa Bay	Lefthand Bay-Balboa Bay	Popof Strait-Sand Point	Entrance Point Anchorage	Sand Point Dock	Port Moller-Cannery Dock	Nelson Lagoon	
ID Number	01-D	02-D	35-LII	36-LII	37-LII	57-LI	73-S	74-S	
Location	55°47.57'N 159°45.26'W	55°32.08'N 160°36.75'W	55°32.37'N 160°42.80'W	55°18.77'N 160°32.88'W	55°59.42'N 160°37.52'W	55°19.93'N 160°30.06'W	55°59.28'N 160°34.50'W	56°00.23'N 161°09.49'W	
Maximum Vessel Size	Deep draft, greater than 20,000 Gross Tons			Light draft-2, 10,000 to 20,000 Gross Tons		Light draft-1, 300 to 10,000 Gross Tons	Shallow draft, 300 Gross Tons and less		
Type of Berthing	Anchorage					Dock			
Contact	N/A					Harbormaster-907.383.2331	Plant Manager-907.375.2702	Native Village President-907.989.2204	
Navigational Approach	Approach from SW	Approach from S	Approach from SE	Approach from the S	Approach from the N	Approach from the SW	Approach from the S	Approach from the SE	
Minimum Water Depths	18 Fathoms in swing area	21 Fathoms in swing area	13 Fathoms in swing area	18 Fathoms in the swing area	8 Fathoms in the swing area	5.5 Fathoms at the dock face	1 Fathoms at the dock face	2 Fathoms at the dock face	
Maximum Water Depth	37 Fathoms in swing area	38 Fathoms in swing area	33 Fathoms in the swing area	27 Fathoms in the swing area	11 Fathoms in the swing area	7.5 Fathoms on approach	1Fathoms at the dock face	1.5 Fathoms on approach	
Maximum Vessel Draft	60 ft.			50 ft.		40 ft.	30 ft.	6 ft. tidal dependant approach	10 ft. tidal dependant approach
Swing Room/Dock Face	6000 ft.			3000 ft.		2300 ft.	350 ft.	300 ft.	200 ft.
Bottom Type	Mud/Sand	Mud/Shale		Sand-sticky	Sand	N/A			
Docks/Piers	Nearest Alt. Dock 06-D Dutch Harbor APL Dock			Nearest Alt. Dock- 38-L2 Cold Bay Dock			Nearest Alt. Dock 68-S Nelson Lagoon	Nearest Alt. Dock 67-S Port Moller Cannery	
Anchorage	Nearest Alt. Anchorage-02-D Balboa Bay	Nearest Alt. Anchorage-01-D Stepovak Bay	Nearest Alt. Anchorage- 36-LII Popof Strait	Nearest Anchorage-35-LII Lefthand Bay	Nearest Anchorage-39-LII Volcano Bay	Nearest Alt. Anchorage- 36-LII Popof Strait	Nearest Alt. Anchorage- 37-LII Entrance Pt.		
Prevailing Winds	Winter-Northerly, Southeasterly Summer-Westerly, Southwesterly								
Currents	Alaska Coastal Current run west offshore at 1 knt. Local currents are light and tidally influenced				Tidal Currents 1-2 kts.	Alaska Coastal Current run west offshore at 1 knt. Local currents are light and tidally influenced	Tidal Currents 1-2 kts.		
Tides	Mean High Water- 6.8 (Higher- 7.6) , Mean Low Water- 1.3 (Lower- -3.5)	Mean High Water- 7.6 (Higher- 8.9) , Mean Low Water- 1.4 (Lower- -3.5)		Mean High Water- 6.6 (Higher- 7.8) , Mean Low Water- 1.2 (Lower- -3.5)	Mean High Water- 10 (Higher- 10.8) , Mean Low Water- 2.4 (Lower- -4.0)	Mean High Water- 6.6 (Higher- 7.8) , Mean Low Water- 1.2 (Lower- -3.5)	Mean High Water- 10 (Higher- 10.8) , Mean Low Water- 2.4 (Lower- -4.0)		
Sea Conditions	Exposed to swell from the SE	Exposed to swell from the S	Exposed to swell from the S SW & N	Exposed to swell from the SE	Exposed to N, NE, NW	Exposed to swell from the SW	Exposed to SE swell	Protected	
Shelter from Severe Storms	Sheltered from N,E and W	Exposed to storms from the S and strong W winds	Exposed to strong W winds	Exposed to SE storms	Minimal protection	Sheltered from storms from the E	Exposed to SE storms	Protected	
Fog	Fog can occur during all seasons.								
Sea ice	Sea ice unlikely.								

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the Aleutian Sub-Area Contingency Plan: <http://www.akrrt.org/AIPlan/aitoc.shtml>