

Center of map at 53° 41.58' N Lat., 166° 58.23' W Lon.



caption.



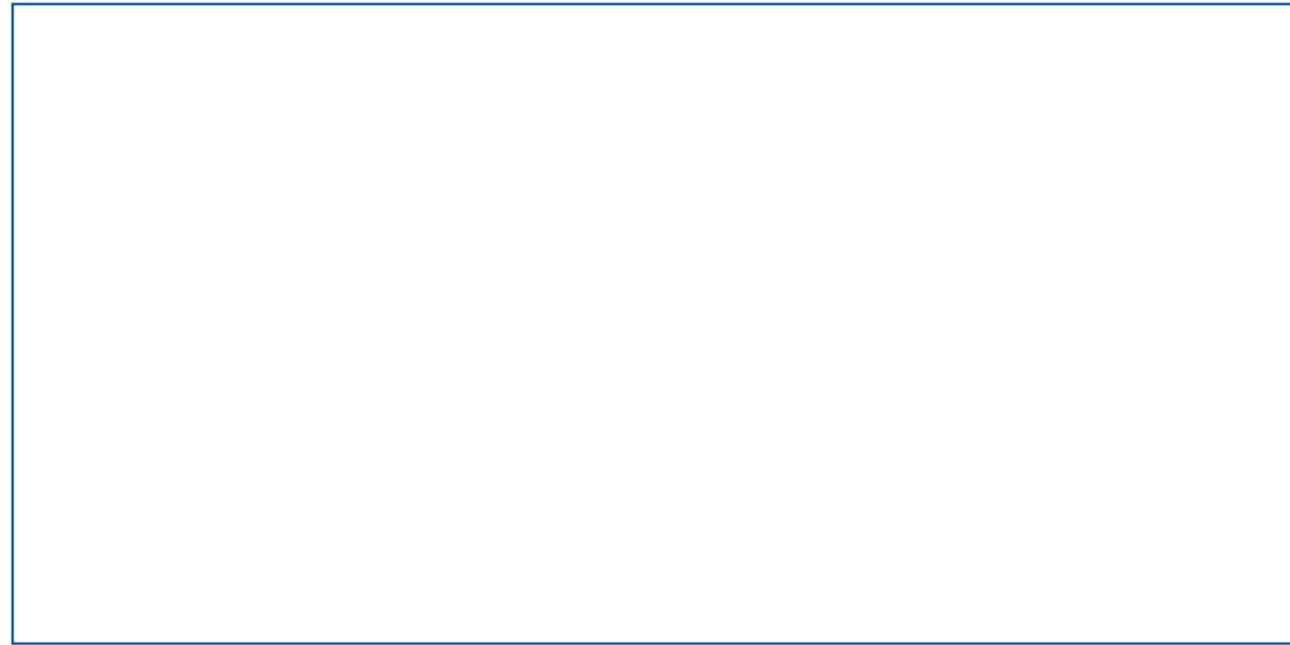
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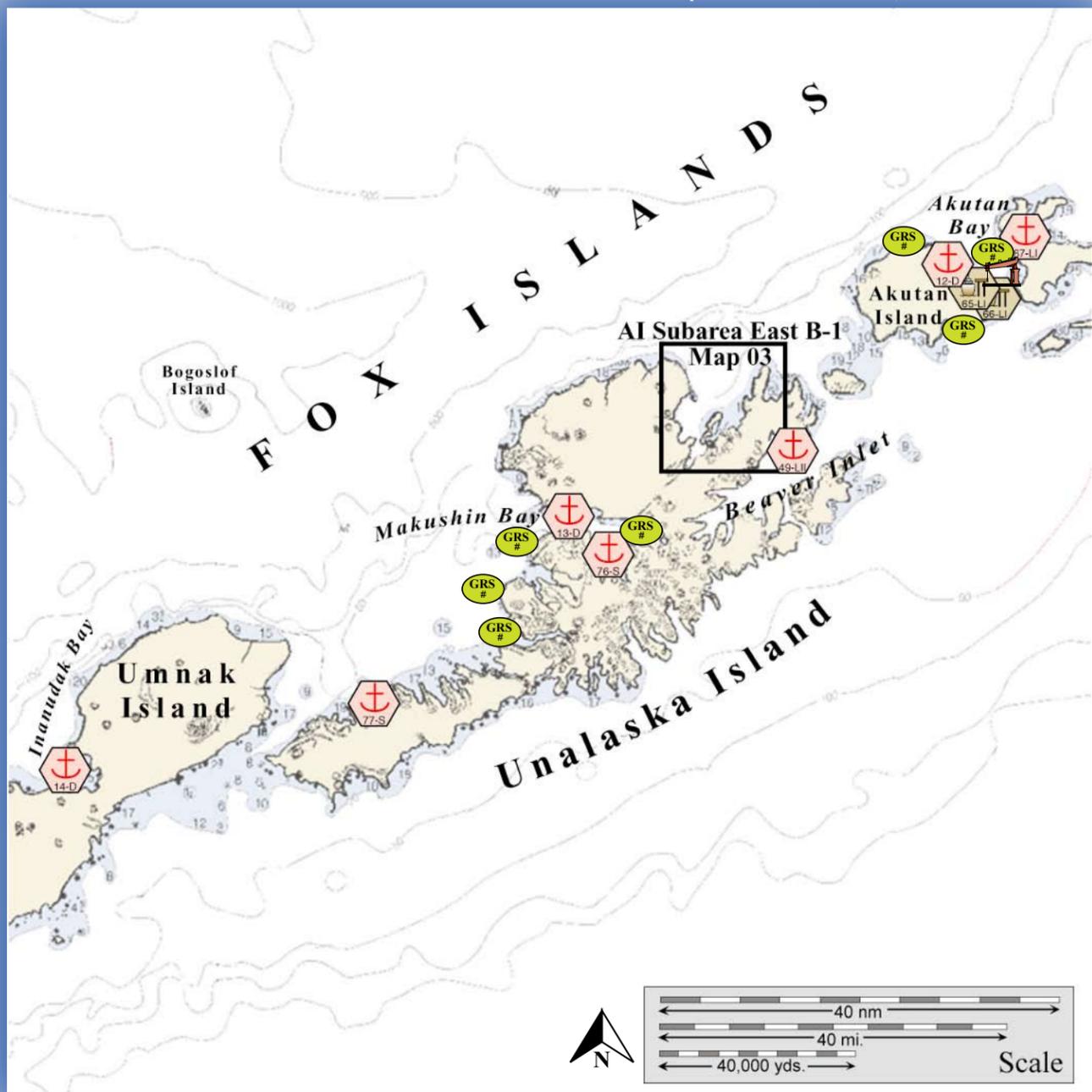


caption.



caption.

Potential Places of Refuge for Aleutians Subarea



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



Aleutian PPOR

Map AIEB-02

Aleutian Islands East B-02 PPOR (AIEB-02) – Site Considerations											
	Hot Springs Bay	Makushin Bay	Inanudak Bay	Akutan Harbor	Agamgik Bay	Akutan City Dock	Akutan Cannery	Lost Harbor	Anderson Bay	Chernofsky Harbor	
ID Number	12-D	13-D	14-D	48-L II	49-L II	65-L I	66-L I	67-L I	76-S	77-S	
Human Health & Safety											
Communities – distances-nm	Akutan- 4.5	Unalaska- 45	Nikolski- 1	Akutan- 4.5	Unalaska- 26	Akutan- 0.0	Akutan- 0.0	Akutan- 4.5	Unalaska-53	Unalaska-73	
Natural Resource Considerations											
Fish & Wildlife	Spawning salmon, Stellers sea lions, seals, sea otters waterfowl concentrations, seabird and eagle nesting, shorebird concentration.	Spawning salmon, Stellers sea lions, seals, sea otters waterfowl concentrations, seabird and eagle nesting, shorebird concentration.	Spawning salmon, seals, sea otters waterfowl concentrations, seabird and eagle nesting.	Spawning salmon, sea otters seabird nesting.	Spawning salmon, seals, sea otters waterfowl concentrations, seabird nesting.	Spawning salmon, sea otters seabird nesting.		Spawning salmon, seals, sea otters, seabird nesting.	Spawning salmon, Stellers sea lions, seals, sea otters waterfowl concentrations, seabird and eagle nesting, shorebird concentration.		
Threatened & Endangered Species	Sea otters are present	Stellers sea lion and sea otters are present	Sea otters are present	None	Sea otters are present	None		Sea otters are present	Stellers Eiders, Stellers sea lions, sea otters are present	Sea otters are present	
Sensitive Areas	Designated as a Most Environmentally Sensitive Area (MESA 28a-ADF&G)	Not Designated		Designated as a Most Environmentally Sensitive Area (MESA 28a-ADF&G)	Designated as a Most Environmentally Sensitive Area (MESA 28b-ADF&G)	Designated as a Most Environmentally Sensitive Area (MESA 28a-ADF&G)			Not Designated		
Other Stakeholder Considerations											
Fisheries	Groundfish, herring, salmon, crab										
Historic Properties	Historic Properties are present throughout this area.										
Mariculture	None										
Subsistence	Salmon, marine mammals, waterfowl, crab, intertidal	None	Salmon, marine mammals, waterfowl, crab, intertidal	Salmon, marine mammals, waterfowl, crab, groundfish, intertidal	None	Salmon, marine mammals, waterfowl, crab, groundfish, intertidal	Salmon, marine mammals, waterfowl, crab, groundfish, intertidal	Salmon, marine mammals, waterfowl, crab, groundfish, intertidal	None		
Tourism/Recreation	Recreational use area- sport fishing, kayaking, excursion boats, wildlife viewing.									No	
Waterfront Public Facilities/Parks	Alaska Maritime National Wildlife Refuge-no facilities immediately available			Small Boat Basin	None	Small Boat Basin	Small Boat Basin	Alaska Maritime National Wildlife Refuge-no facilities immediately available			
Waterfront Private Facilities	None		Cannery facilities nearby	None	Cannery facilities nearby	Dock crane	None				
Response and Salvage Resource Considerations											
Ability to Boom Vessel	Weather dependent										
Geographic Response Strategies	AIEB-02- Lost Hbr & Surf Bay, AIEB-04 Hot Springs Bay/Open Bight	AIEB-09 Mouth of Makushin Bay	AIEB-20 Nikolski Bay	AIEB-03 Akutan Harbor	None	AIEB-03 Akutan Harbor		AIEB-02- Lost Hbr & Surf Bay, AIEB-04 Hot Springs Bay/Open Bight	AIEB-10 Head of Makushin Bay	N one	
Closest Alternative Places of Refuge (same sized vessel)	38 nm. to 06-D Wide Bay	43 nm. to 06-D Wide Bay	61 nm. to 15-D Applegate Cove	7 nm. to 12-D Hot Springs Bay	28 nm. to 43 L-II Delta Western	.5 nm. to 66-L I Akutan Cannery	.5 nm to 65-LI Akutan City Dock	7.5 nm to 65-LI Akutan City Dock	43 nm to 77-S Chernofsky Harbor	43 nm to 76-Sanderson Bay	

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 B-02 PPOR (AIEB-02) Stakeholders	
Year-2007	Contact
Aleut Corporation	President
Aleutian East Borough	Mayor
Alaska Dept of Fish & Game	Resource Manager
Alaska Department of Natural Resources	Natural Resource Manager
Alaska Maritime National Wildlife Refuge-USFWS	Refuge Manager
City of Unalaska	Mayor
Ounalashka Corporation	CEO
Native Allotments	Dept of the Interior Regional Environmental Officer

Aleutian Islands East B-02 PPOR (AIEB-02) – Physical and Operational Characteristics										
	Hot Springs Bay	Makushin Bay	Inanudak Bay	Akutan Harbor	Agamgik Bay	Akutan City Dock	Akutan Cannery	Lost Harbor	Anderson Bay	Chernofsky Harbor
ID Number	12-D	13-D	14-D	48-L II	49-L II	65-L I	66-L I	67-L I	76-S	77-S
Location	54°10.84'N 165°51.04'W	53°45.43'N 166°57.68'W	53°17.68'N 168°25.87'W	54°07.74'N 165°44.03'W	53°51.81'N 166°20.20'W	54°07.99'N 165°46.70'W	54°08.00'N 165°46.43'W	54°13.55'N 165°36.78'W	53°40.03'N 166°50.61'W	53°23.92'N 167°30.89'W
Maximum Vessel Size	Deep draft, greater than 20,000 Gross Tons			Light draft-II, 10,000 to 20,000 Gross Tons		Light draft-I, 300 to 10,000 Gross Tons			Shallow draft, 300 Gross Tons or less	
Type of Berthing	Anchorage					Dock			Anchorage	
Contact	N/A					Mayor 907.274.7555	Facility Manager 907.698.2211	N/A		
Navigational Approach	Approach from E	Approach from W	Approach from the NW	Approach from the E	Approach from the SE	Approach from the E		Approach from the W	Approach from the NW	Approach from the NE
Minimum Water Depths	20 Fathoms in swing area	36 Fathoms in swing area	30 Fathoms in the swing area	20 Fathoms in the swing area	30 Fathoms in the swing area	5 Fathoms at the dock face		10 Fathoms in the swing area	53 Fathoms in the swing area	10 Fathoms in the swing area
Maximum Water Depth	22 Fathoms in swing area	38 Fathoms in swing area	20 Fathoms in the swing area	32 Fathoms in the swing area	54 Fathoms in the swing area			22 Fathoms in the swing area	58 Fathoms in the swing area	13 Fathoms in the swing area
Maximum Vessel Draft	60 ft.			35 ft.		28 ft.	25 ft.			
Swing Room/Dock Face	3000 ft.	2800 ft.	6000 ft.	2500 ft.	3000 ft.	350 ft.	450 ft.	1200 ft.	2800 ft.	1200 ft.
Bottom Type	Mud, Sand	Mud, Hard	Sand	Mud	Sand	N/A		Mud, Sand	Mud	Mud
Docks/Piers	Nearest Alt. Dock 06-D Dutch Harbor APL Dock					Nearest Alt. Dock 66-L Akutan Cannery	Nearest Alt. Dock 65-L Akutan City Dock	Nearest Alt. Dock 65-L Akutan City Dock	Nearest Alt. Dock 75-S Iliuliuk Harbor	
Anchorage	Nearest Alt. Anchorage-06-D Wide Bay		Nearest Alt. Anchorage-15-D Applegate Cove	Nearest Alt. Anchorage-12-D Hot Springs Bay	Nearest Alt. Anchorage-09-D Summers Bay	Nearest Alt. Anchorage 67-L Lost Harbor		Nearest Alt. Anchorage 48-LII Akutan Harbor	Nearest Alt. Anchorage- 77-S Chernofsky Harbor	Nearest Alt. Anchorage- 76-S Anderson Bay
Prevailing Winds	Summer-southwest through northwest winds are common. Winter- winds occur from all directions.									
Currents	Local currents are tidally influenced. All passes in the subarea have significant currents									
Tides	Mean High Water-3.6 (Higher- 4.0) , Mean Low Water- 1.3 (Lower- -2.5)	Mean High Water-3.6 (Higher- 4.0) , Mean Low Water- 1.3 (Lower- -2.5)	Mean High Water-3.3 (Higher- 3.7) , Mean Low Water- 1.1 (Lower- -2.5)	Mean High Water-3.7 (Higher- 3.9) , Mean Low Water- 1.3 (Lower- -2.5)	Mean High Water-4.8 (Higher- 5.2) , Mean Low Water- 1.3 (Lower- ----)	Mean High Water-3.7 (Higher- 3.9) , Mean Low Water- 1.3 (Lower- -2.5)			Mean High Water-3.6 (Higher- 4.0) , Mean Low Water- 1.3 (Lower- -2.5)	Mean High Water-3.5 (Higher- 3.8) , Mean Low Water- ---- (Lower- -2.5)
Sea Conditions	Exposed to swell from the N, NE	Exposed to swell from the W, SW	Exposed to swell from the NW	Exposed to chop from the E				Exposed to swell from the W	Sheltered from extreme sea states	
Shelter from Severe Storms	Sheltered from storms from N, W, S.	Exposed to W and SW storms	Sheltered from S, E, storms	Exposed to E storms				Exposed to storms from the W	Sheltered from all but extreme storms	
Fog	Fog is common 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>