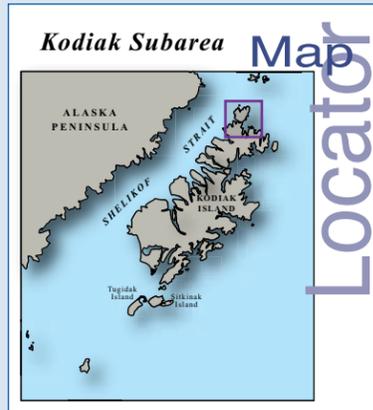
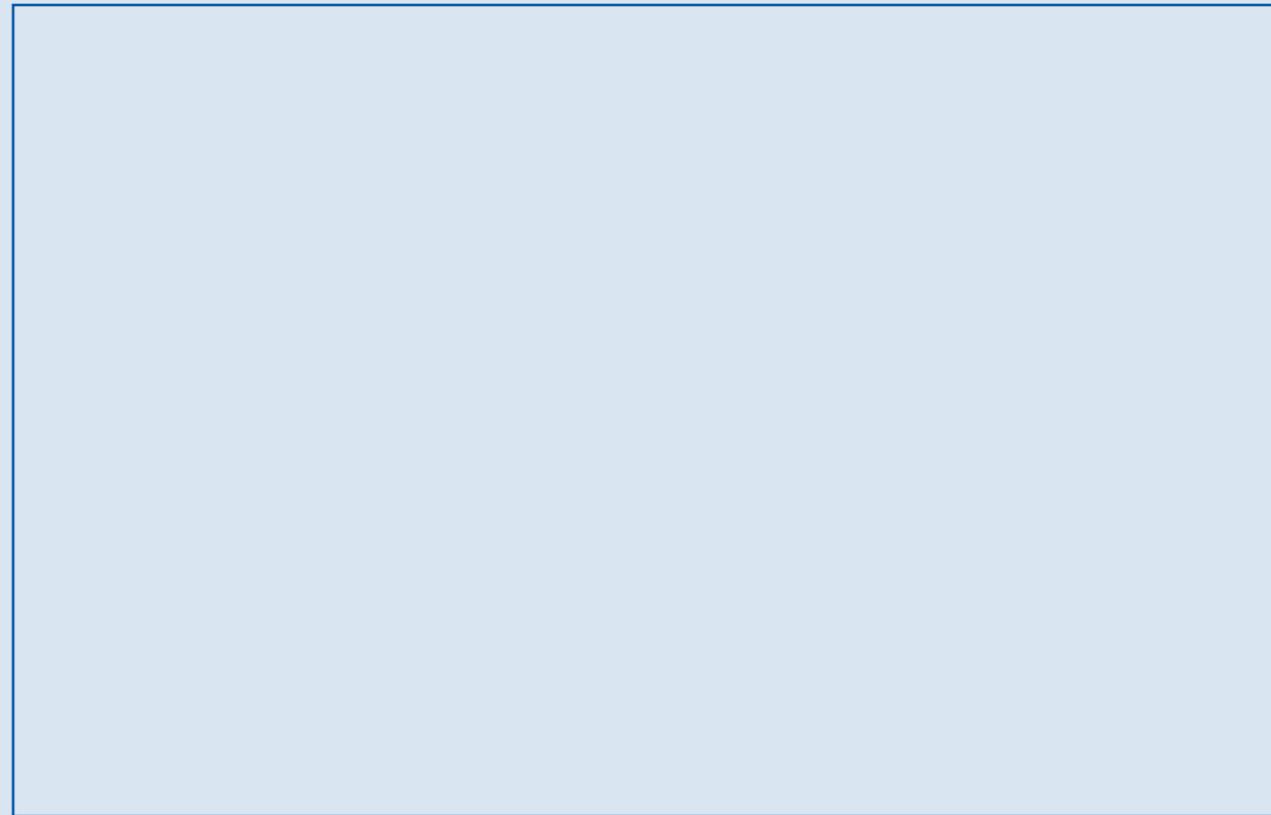


# Places of Refuge



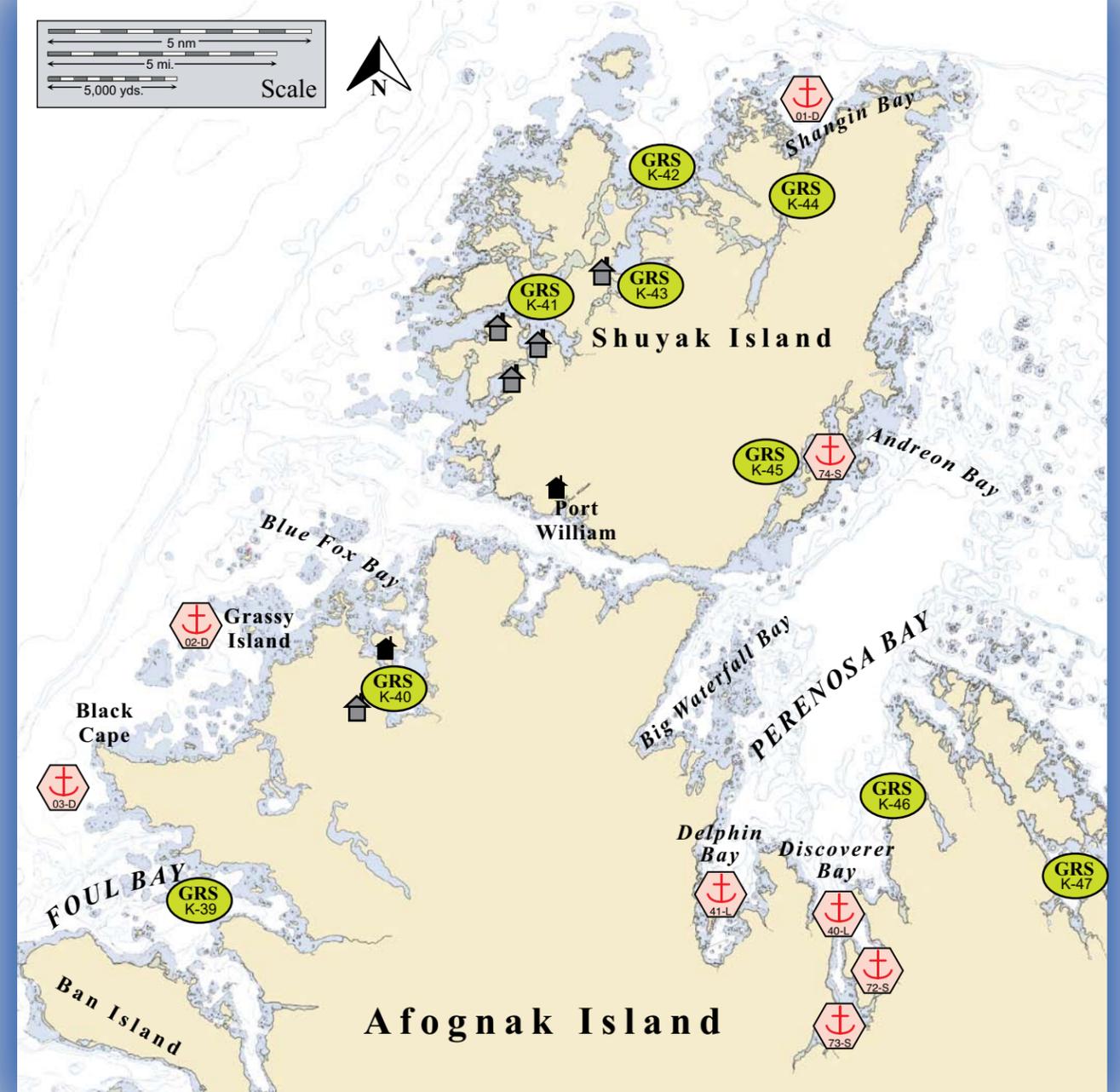
Kodiak Map 1 photos.....



Kodiak Map 1 photos.....

Potential Places of Refuge for Kodiak Island Subarea

Center of map at 58° 28.59' N Lat., 152° 34.75' W Lon.



This is not intended for navigational use.

Soundings in fathoms

**Map Legend**

	Anchorage		Airport
	Mooring		Existing GRS
	Dock/pier		Fish Hatchery
	Grounding Site		Public Use Cabins
	Crane		Private Cabins

## Kodiak PPOR Map 01

**Kodiak PPOR-01 Site Considerations – Shuyak – Northern Afognak Area**

	Shangin Bay	Grassy Island	Black Cape	Discoverer Bay	Delphin Bay	Discoverer Bay-North	Discoverer Bay-South	Andreon Bay	
ID Number	01-D	02-D	03-D	40-L	41-L	72-S	73-S	74-S	
<b>Human Health &amp; Safety</b>									
Communities – distances-nm	Kodiak-63, Homer-70	Kodiak-75, Homer- 85	Kodiak-70, Homer-89	Kodiak-58, Homer-80	Kodiak-60, Homer-80	Kodiak-61, Homer-88	Kodiak-61, Homer-88	Kodiak-58, Homer-78	
<b>Natural Resource Considerations</b>									
Fish & Wildlife	Spawning salmon and herring, sea otters, seals, seabird & eagle nesting, waterfowl concentration							Spawning salmon, sea otters, waterfowl concentration, eagle nesting	
Threatened & Endangered Species	Sea lions are present in the area but no haulout are designated								
Sensitive Areas	Designated as a Environmentally Sensitive Area	Foul Bay, Blue Fox Bay nearby			Pauls Bay-nearby			Designated as a Environmentally Sensitive Area	
<b>Other Stakeholder Considerations</b>									
Fisheries	Salmon, herring, crab, groundfish								
Mariculture	None			Enhanced salmon runs in Pauls Bay and Big Waterfall Bay				None	
Subsistence	None			Salmon, intertidal harvest, crab, groundfish					
Historic Property??									
Tourism/Recreation	High recreational use area- sport fishing, kayaking, anchorage, excursion boats							None	
Waterfront Public Facilities/Parks	Alaska State Park facilities nearby			None					
Waterfront Private Facilities	None			Afognak Native Corporation Contractor Logging Facility in Discoverer Bay					
<b>Response and Salvage Resource Considerations</b>									
Ability to Boom Vessel	Weather dependent		No			Yes			
Geographic Response Strategies	K-47 Shangin Bay		K-40 Blue Fox Bay nearby		K-39 Foul Bay nearby		K-46 Pauls Bay nearby		
Closest Alternative Places of Refuge (same sized vessel)	PPOR 01-02-D Grassy Island: 19 nm.	PPOR 01-03-D Black Cape: 5.5 nm.	PPOR 01-02-D Grassy Island: 5.5 nm.	PPOR 01-41-L Delphin Bay: 7 nm.	PPOR 01-40-L Discoverer Bay: 7 nm.	PPOR 01-73-S Discoverer Bay-South: 1 nm.	PPOR 01-72-S Discoverer Bay-North: 1 nm.	PPOR 01-72-S Discoverer Bay-South: 10 nm.	

Kodiak PPOR-01 Shuyak – Northern Afognak Area Stakeholders	
Landowner (yr-2006)	Contact
Alaska State Parks	Kodiak District Ranger
Kodiak National Wildlife Refuge	Refuge Manager
Afognak Native Corporation	Chief Executive Officer
Alaska Maritime National Wildlife Refuge	Refuge Manager
Natives of Kodiak Inc	President
Afognak Joint Venture	Chief Executive Officer
Ouzinke Native Corporation	Chief Executive Officer
Alaska Department of Natural Resources	Natural Resource Manager
Private Landowners-contact Alaska State Lands Recorder Office	Kodiak District Recorder

Kodiak PPOR-01 Shuyak-Northern Afognak Area – Physical and Operational Characteristics									
	Shangin Bay	Grassy Island	Black Cape	Discoverer Bay	Delphin Bay	Discoverer Bay-North	Discoverer Bay-South	Andreon Bay	
ID Number	01-D	02-D	03-D	40-L	41-L	72-S	73-S	74-S	
Mooring Locations	Nearest PPOR-04-12-D Woman's Bay USCG Moorage								
Anchorage Locations	58°38.13'N 152°24.33'W	58°26.49'N 152°47.91'W	58°23.68'N 152°54.01'W	58°20.08'N 152°22.65'W	58°20.33'N 152°28.82'W	58°19.03'N 152°23.81'W	58°18.58'N 152°24.64'W	58°29.96'N 152°25.79'W	
Docks/Piers	Nearest PPOR-04-51-L Kodiak Harbor City Dock-35 ft. max vessel draft								
Maximum Vessel Size	Deep draft, greater than 20,000 Gross Tons			Light draft, up to 20,000 Gross Tons			Shallow draft, 300 Gross Tons and less		
Type of Berthing	Anchorage								
Contact	N/A								
Navigational Approach	Approach from N,NE	Approach from W	Approach from N,E	Approach from the N	Approach from the N	Approach from the N	Approach from the N	Approach from the E	
Minimum Water Depths	12 Fathoms in swing area	10 Fathoms in swing area	13 Fathoms in swing area	12 Fathoms in the swing area	5.5 Fathoms in the swing area	4.5 Fathoms in the swing area	4.5 Fathoms in the swing area	5.75 Fathoms in the swing area	
Maximum Water Depth	22 Fathoms in the swing area	33 Fathoms in the swing area	33 Fathoms in the swing area	25 Fathoms in the swing area	17 Fathoms in the swing area	6.5 Fathoms in the swing area	4.5 Fathoms in the swing area	8 Fathoms in the swing area	
Maximum Vessel Draft	60 ft.	50 ft.	50 ft.	30 ft.	30 ft.	20 ft.			
Swing Room/Dock Face	2000 ft.	2400 ft.	5600 ft.	1200 ft.	900 ft.	1000 ft.	600 ft.	1300 ft.	
Bottom Type	Shells			Mud	Sand	Mud			
Grounding Sites	?????								
Prevailing Winds	????								
Currents	Alaska Coastal Current moves south down Shelikof Strait			Currents are negligible					
Tides	Mean High Water- 13.1 (Higher- 13.9) , Mean Low Water- 1.6 (Lower- -4.5)		Mean High Water- 13.7 (Higher- 14.5) , Mean Low Water- 1.7 (Lower- -4.5)		Mean High Water- 10.2 (Higher- 11.2) , Mean Low Water- 1.3 (Lower- -4.5)				
Sea Conditions	Sheltered from southern swell only		Exposed to swell from the N, W & SW		Sheltered from extreme sea state	Exposed to swell from the north	Sheltered from extreme sea state	Sheltered from extreme sea state	Exposed to E
Shelter from Severe Storms	Sheltered from S storms		Sheltered from storms from the E		Sheltered from most storms	Exposed to storms from the north	Sheltered from most storms		Exposed to storms from the E
Fog	Fog can occur during all seasons.								

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the ??? Sub-Area Contingency Plan: ???