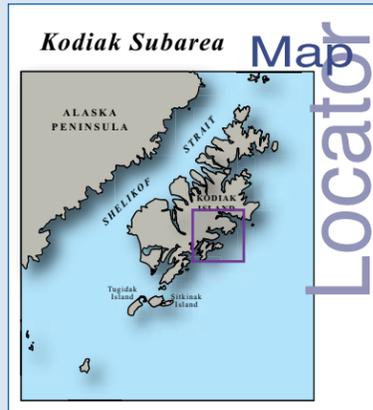


# Places of Refuge



Locator

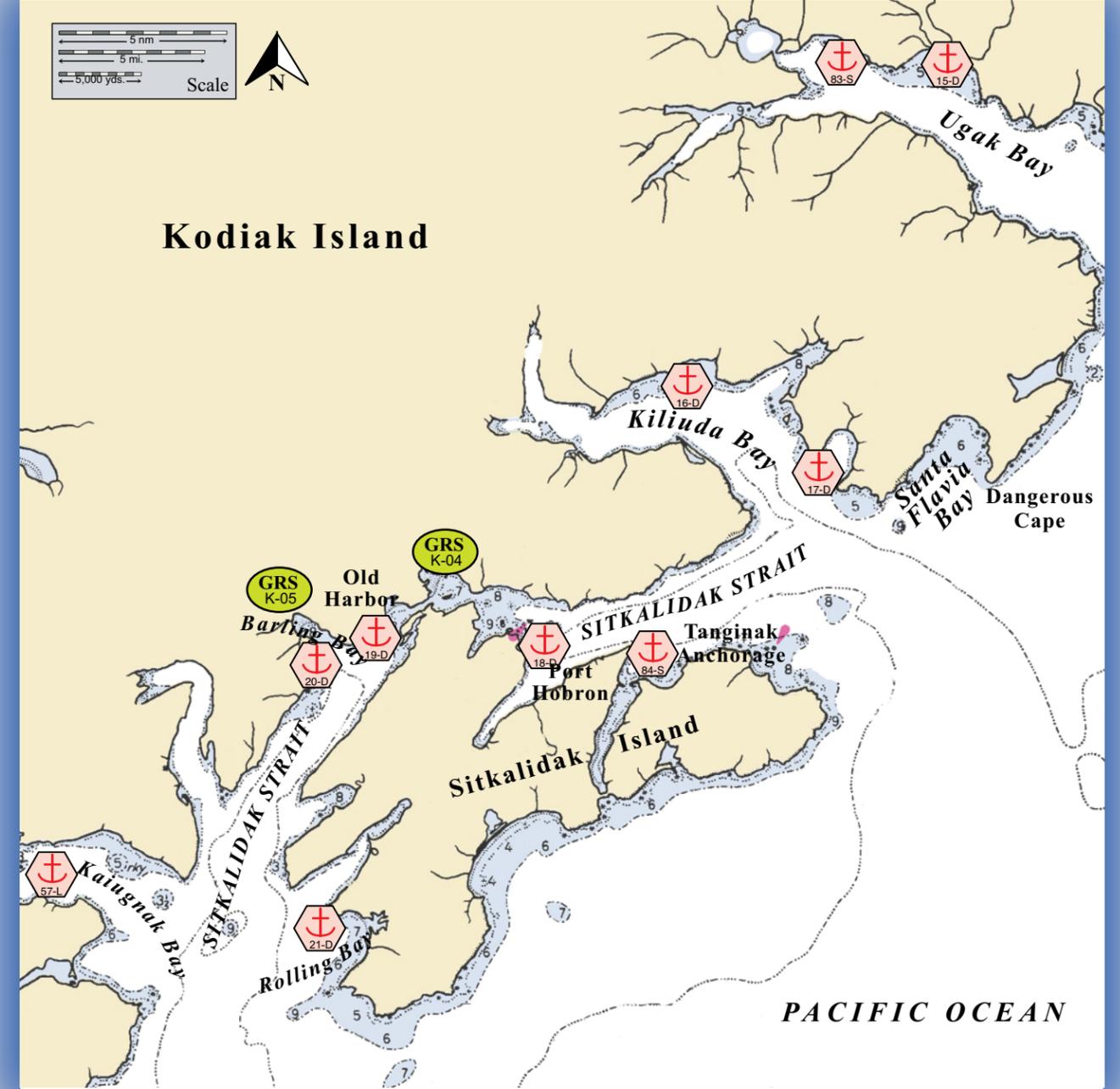
Kodiak Map 5 photos.....



Kodiak Map 5 photos.....

Potential Places of Refuge for Kodiak Island Subarea

Center of map at 57° 14.90' N Lat., 153° 07.60' W Lon.



This is not intended for navigational use.

Soundings in fathoms

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

Map Legend

## Kodiak PPOR Map 05

Kodiak PPOR-05 Site Considerations – Southeast Kodiak Island Area											
Name	Ugak Bay	Kiliuda Bay	Santa Flavia Bay	Tanginak Anchorage	Old Harbor	Barling Bay	Rolling Bay	Kaiugnak Bay	Ugak Bay	Port Hobron	
ID Number	15-D	16-D	17-D	18-D	19-D	20-D	21-D	57-L	83-S	84-S	
<b>Human Factors</b>											
Communities – distances-nm	Old Harbor-38, Kodiak-43	Old Harbor-21, Kodiak-58	Old Harbor-17, Kodiak-55	Old Harbor-10, Kodiak-56	Old Harbor-0.5, Kodiak-95	Old Harbor-2, Kodiak-95	Old Harbor-13, Kodiak-77	Old Harbor-18, Kodiak-85	Old Harbor-40, Kodiak-42	Old Harbor-8, Kodiak-59	
<b>Environmental Factors</b>											
Wildlife	Salmon & herring spawning, sea lions, harbor seals, otters, seabird nesting, waterfowl concentrations, eagle nesting				Salmon spawning, waterfowl concentrations	Harbor seals, salmon spawning, eagle nesting	Salmon-intertidal spawning, sea lions, harbor seals, otters, seabird nesting, waterfowl concentrations, eagle nesting	Salmon & herring spawning, harbor seals, seabird nesting, waterfowl concentrations, eagle nesting		Salmon spawning, harbor seals, eagle nesting	
Threatened & Endangered Species	Sea lion haul out in the immediate vicinity	Sea lions throughout the area						Sea lion haul out in the immediate vicinity		Sea lions throughout the area	
Environmentally Sensitive Areas	Sea lion haul-out at Cape Barnabas and Puffin Island										
<b>Economic Factors</b>											
Fisheries	Salmon, crab, herring, groundfish										
Mariculture	None										
Tourism/Recreation	High recreational use area- sport fishing, kayaking, anchorage, excursion boats	None			High recreational use area- sport fishing, kayaking, anchorage, excursion boats				None		
Subsistence	Salmon, crab, intertidal harvest, marine mammals										
Historic Property??											
Waterfront Public Facilities/Parks	Pasagshak State Recreation Area	None			Old Harbor Small Boat Harbor	None					
Waterfront Private Facilities	Alaska Aerospace Development Corp. has extensive facilities at Narrow Cape	None						Alaska Aerospace Development Corp. has extensive facilities at Narrow	None		
<b>Response Factors</b>											
Ability to Boom Vessel	Weather dependent				Yes						
Geographic Response Strategies	None				K-04 Midway, K-05 Barling Bay			None			
Closest Alternative Places of Refuge (same sized vessel)	PPOR 05-17-D Santa Flavia Bay: 24.5nm	PPOR 05-17-D Santa Flavia Bay: 5nm	PPOR 05-16-D Kiliuda Bay: 5nm	PPOR 05-17-D Santa Flavia Bay: 8.25nm	PPOR 05-20-D Barling Bay: 1nm	PPOR 05-19-D Old Harbor: 1nm	PPOR 05-20-D Barling Bay: 11nm	PPOR 05-21-D Rolling Bay: 9nm	PPOR 05-84-S Port Hobron: 35nm	PPOR 05-84-S Ugak Bay: 35nm	

Kodiak PPOR-05 Southeast Kodiak Island Area Stakeholders	
Landowner (yr-2006)	Contact
Alaska State Parks	Kodiak District Ranger
Alaska Department of Natural Resources-Habitat Management & Permitting	Natural Resource Manager
Kodiak Island Borough	Borough Manager
Kodiak National Wildlife Refuge	Refuge Manager
Old Harbor Native Corporation	Chief Executive Officer
Private Landowners-contact Alaska State Lands Recorder Office	Kodiak District Recorder

Kodiak PPOR-05 Physical and Operational Characteristics – Southeast Kodiak Island Area											
Name	Ugak Bay	Kiliuda Bay	Santa Flavia Bay	Tanginak Anchorage	Old Harbor	Barling Bay	Rolling Bay	Kaiugnak Bay	Ugak Bay	Port Hobron	
ID Number	15-D	16-D	17-D	18-D	19-D	20-D	21-D	57-L	83-S	84-S	
Anchorage Locations	57°28.84'N 152°45.35'W	57°19.13'N 152°59.99'W	57°17.06'N 152°52.07'W	57°11.15'N 153°02.05'W	57°10.90'N 153°18.85'W	57°11.12'N 153°21.14'W	57°01.95'N 153°21.57'W	57°03.86'N 153°39.47'W	57°28.33'N 152°50.10'W	57°10.08'N 153°09.60'W	
Mooring Locations	Nearest PPOR 04-12-L Womens Bay-USCG Moorage										
Docks/Piers	Nearest PPOR 04-52-L Kodiak Cargo Terminal- 30ft. 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 SE		Approach from S,NE		Approach from E	Approach from SW		Approach from the SW,NW	Approach from E	Approach from SE	Approach from N
Minimum Water Depths	11 Fathoms in swing area	14 Fathoms in swing area	14 Fathoms in swing area	18 Fathoms in swing area	17 Fathoms in swing area	12 Fathoms in swing area	12 Fathoms in swing area	13 Fathoms in swing area	15 Fathoms in swing area	12 Fathoms in swing area	
Maximum Water Depth	16 Fathoms in swing area	38 Fathoms in swing area	12 Fathoms in the swing area	53 Fathoms in swing area	40 Fathoms in swing area	40 Fathoms in swing area	18 Fathoms in swing area	35 Fathoms in swing area	20 Fathoms in swing area	20 Fathoms in swing area	
Maximum Vessel Draft	60 ft	60 ft.	60 ft.	60 ft.	60 ft.	60 ft.	60 ft.	60 ft.	30 ft.	30 ft.	
Swing Room/Dock Face	3600 ft.	3000 ft.	2400 ft.	2400 ft.	3000 ft.	2400 ft.	3000 ft.	2400 ft.	1200 ft.	1400 ft.	
Bottom Type	Volcano ash	Mud	Sand	Mud		Mud, gravel		Rocky	Mud, gravel	Rocky	Sand, gravel
Grounding Sites	????										
Prevailing Winds	????										
Currents	????										
Tides	Mean High Water-7.6 (Higher- 8.3) , Mean Low Water- 1.2 (Lower- -4.0)					Mean High Water-7.7 (Higher- 8.3) , Mean Low Water- 1.2 (Lower- -4.0)			Mean High Water-7.6 (Higher- 8.3) , Mean Low Water- 1.2 (Lower- -4.0)		
Sea Conditions	Exposed to swell from the SE		Exposed to swell from the S	Exposed to swell from the E,NE	Exposed to swell from the SW		Exposed to swell from the S,SW	Exposed to swell from the E	Exposed to swell from the S	Exposed to swell from the NE	
Shelter from Severe Storms	Exposed to storms from the SE		Exposed to storms from the S	Exposed to storms from the E, NE	Exposed to storms from the SW		Exposed to storms from the S, SW	Exposed to storms from the E	Exposed to storms from the S	Exposed to storms from the NE	
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: ???