

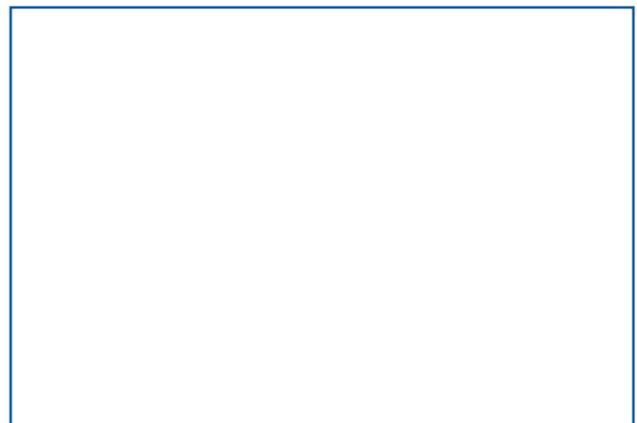
Potential Places of Refuge for Cook Inlet Subarea



caption.



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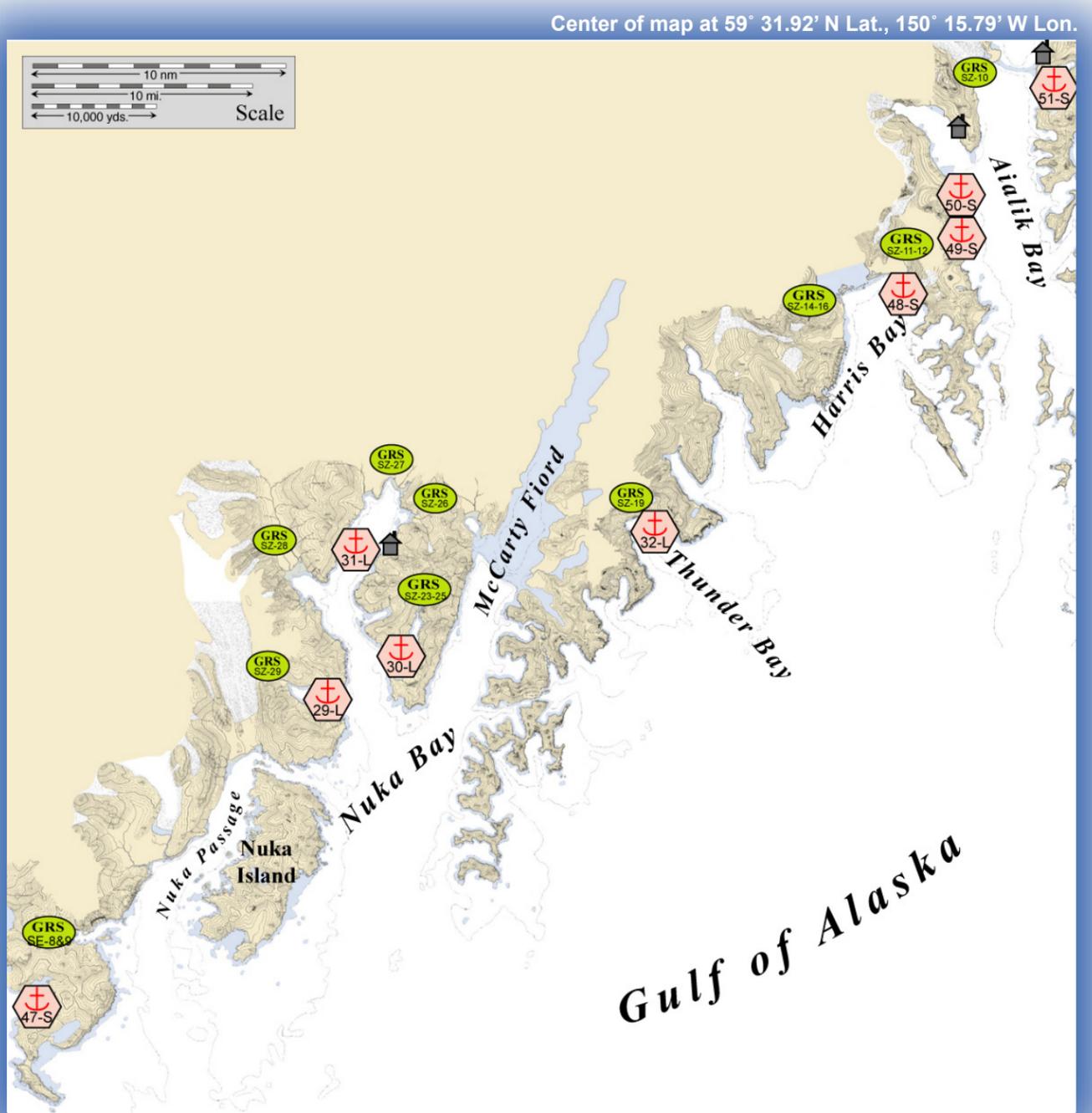
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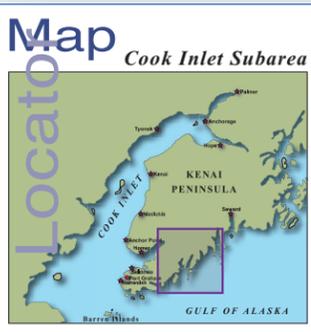


caption.



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

Cook Inlet
PPOR
Map 05

COOK INLET PPOR-05 Southeast Outer Coast Area – Physical and Operational Characteristics

	Yalik Bay	Surprise Bay	Nuka Bay-North Arm	Thunder Bay	Takoma Cove	Cataract Cove	McMullen Cove	Quicksand Cove	Coleman Bay
ID Number	29-L	30-L	31-L	32-L	47-S	48-S	49-S	50-S	51-S
Location	59°27.92N 150°35.70W	59°29.54N 150°29.89W	59°33.46N 150°34.66W	59°34.53N 150°11.79W	59°15.64N 151°00.17W	59°42.83N 149°49.21W	59°45.87N 149°46.58W	59°47.09N 149°46.60W	59°51.89N 149°38.63W
Maximum Vessel Size	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 the SW	Approach from S	Approach from the SE	Approach from the SW	Approach from SW	Approach from the E	Approach from SE	Approach from W
Minimum Water Depths	72 ft. in swing area	144 ft. in swing area	72 ft. in swing area	72 ft. in swing area	54 ft. in swing area	170 ft. in swing area	36 ft. in swing area	72 ft. in swing area	48 ft. in swing area
Maximum Water Depth	360 ft. in swing area	200 ft. in the swing area	300 ft. in swing area	144 ft. in swing area	240 ft. in swing area	200 ft. in swing area	144 ft. in swing area	150 ft. in swing area	160 ft. in swing area
Maximum Vessel Draft	35 ft.	35 ft.	35 ft.	35 ft.	20 ft.	20 ft.	20 ft.	20 ft.	20 ft.
Swing Room/Dock Face	1200 ft.	1200 ft.	1500 ft.	2400 ft.	1200 ft.	900 ft.	600 ft.	1200 ft.	900 ft.
Bottom Type	Mud	Rocky	Mud	Sand	Rocky				
Docks/Piers	Nearest PPOR-06-33-L Seward UAF Research Dock								
Moorings	Nearest Mooring PPOR-04-27-L Port Chatham								
Anchorage	Nearest Alt. Anchorage PPOR-05-30-L Surprise Bay	Nearest Alt. Anchorage PPOR-05-29-L Yalik Bay	Nearest Alt. Anchorage PPOR-05-30-L Surprise Bay	Nearest Alt. Anchorage PPOR-05-30-L Surprise Bay	Nearest Alt. Anchorage PPOR-05-30-L Surprise Bay	Nearest Alt. Anchorage PPOR-05-49-S McMullen Cove	Nearest Alt. Anchorage PPOR-05-50-S Quicksand Cove	Nearest Alt. Anchorage PPOR-05-49-S McMullen Cove	Nearest Alt. Anchorage PPOR-05-50-S Quicksand Cove
Prevailing Winds	Winter winds are generally northly, Summer winds are generally southerly								
Currents	Tidal influence currents are present throughout. The Alaska Coastal Current moves west in near-coastal waters.								
Tides	Mean High Water- 10.5 (Higher- 11.4) , Mean Low Water- 1.4 (Lower- -4.0)			Mean High Water- 10 (Higher- 11) , Mean Low Water- 1.3 (Lower- -4.0)	Mean High Water- 11.2 (Higher- 12.1) , Mean Low Water- 1.4 (Lower- -4.0)		Mean High Water- 9.7 (Higher- 10.7) , Mean Low Water- 1.3 (Lower- -4.0)		
Sea Conditions	Exposed to a S, SE swell	Exposed to a SW swell	Exposed to S swell		Exposed to the W swell	Exposed to W swell	Fairly protected	Exposed to S,E	Fairly protected
Shelter from Severe Storms (This area is subject to williwaws)	Sheltered from storms E-W				Fairly protected		Sheltered from storms E-W		
Fog	Fog can occur during all seasons.								
Sea ice	Grey ice may form in protected waters/harbors during colder periods in winter								

Site ID Number and Vessel Size Classification
D = Deep Draft Vessel, greater than 20,000 GT
L = Light Draft Vessel, up to 20,000 GT
S = Shallow Draft Vessel, 300 GT and less

COOK INLET PPOR-05 Southeast Outer Coast Area Stakeholders	
Landowner (yr-2007)	Contact
Alaska State Parks	Kenai District Ranger
Alaska National Maritime Wildlife Refuge	Dept. of the Interior-Regional Environmental Officer
Alaska Dept of Fish and Game	Regional Supervisor
Alaska Department of Natural Resources	Natural Resource Manager
Kenai Fjords National Park	Dept. of the Interior-Regional Environmental Officer
English Bay Corporation	CEO
Port Graham Corporation	President
Native Allotments	Dept. of the Interior-Regional Environmental Officer
Bureau of Land Management	Dept. of the Interior-Regional Environmental Officer
Private Landowners-contact Alaska State Lands Recorder Office	Seward District Recorder

COOK INLET PPOR-05 Southeast Outer Coast Area – Site Considerations										
	Yalik Bay	Surprise Bay	Nuka Bay-North Arm	Thunder Bay	Takoma Cove	Cataract Cove	McMullen Cove	Quicksand Cove	Coleman Bay	
ID Number	29-L	30-L	31-L	32-L	47-S	48-S	49-S	50-S	51-S	
Human Health & Safety										
Communities – distances-nm	Seward-78		Seward-79	Seward-52	Seward-68	Seward-46	Seward-36		Seward-42	
Natural Resource Considerations										
Fish & Wildlife	Spawning salmon and herring, sea otters, seals, sea lions, seabird & eagle nesting, waterfowl concentration									
Threatened & Endangered Species	Stellers Sea Lions rookery located at the entrance to Nuka Bay				Stellers Sea Lions forage in the area		Stellers Sea Lions forage in the area. Kittitz's Murrelets (candidate species under the ESA-2007) are present in the area.			
Sensitive Areas	Designated as a Environmentally Sensitive Area within the Kenai Fjords National Park					Designated as a Environmentally Sensitive Area	Designated as a Environmentally Sensitive Area within the Kenai Fjords National Park			
Other Stakeholder Considerations										
Fisheries	Salmon, groundfish									
Historic Properties	Historic Properties are located throughout this area									
Mariculture	None									
Subsistence	Harbor seals			None	Harbor seals, salmon					
Tourism/Recreation	High recreational use area- sport fishing, kayaking, excursion boats									
Waterfront Public Facilities/Parks	Kenai Fjords National Park- public use cabin in Nuka North Arm				Kenai Fjords National Park	Alaska State Park	Kenai Fjords National Park	Kenai Fjords National Park-public use cabin in Aialik Bay, Holgate Arm		
Waterfront Private Facilities	None									
Response and Salvage Resource Considerations										
Ability to Boom Vessel	Weather dependent									
Geographic Response Strategies	SZ-29,24	SZ-23,24,25	SZ-26,27,28	SZ-18	SECI-06,07,08,09	SZ-13-16	SZ-12,13		SZ-8-10	
Closest Alternative Places of Refuge (same sized vessel)	PPOR 05-30-L Surprise Bay: 3.0 nm.	PPOR 05-29-L Yalik Bay: 3.0 nm.	PPOR 05-30-L Surprise Bay: 3.0 nm.	PPOR 05-30-L Surprise Bay: 20.5 nm.	PPOR 05-30-L Surprise Bay: 31.0 nm.	PPOR 05-49-S McMullen Cove: 20 nm.	PPOR 05-50-S Quicksand Cove: 1.5 nm.	PPOR 04-49-S McMullen Cove: 1.5 nm.	PPOR 05-50-S Quicksand Cove: 6.5 nm.	

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