

Potential Places of Refuge for Cook Inlet Subarea



caption.



caption.



caption.

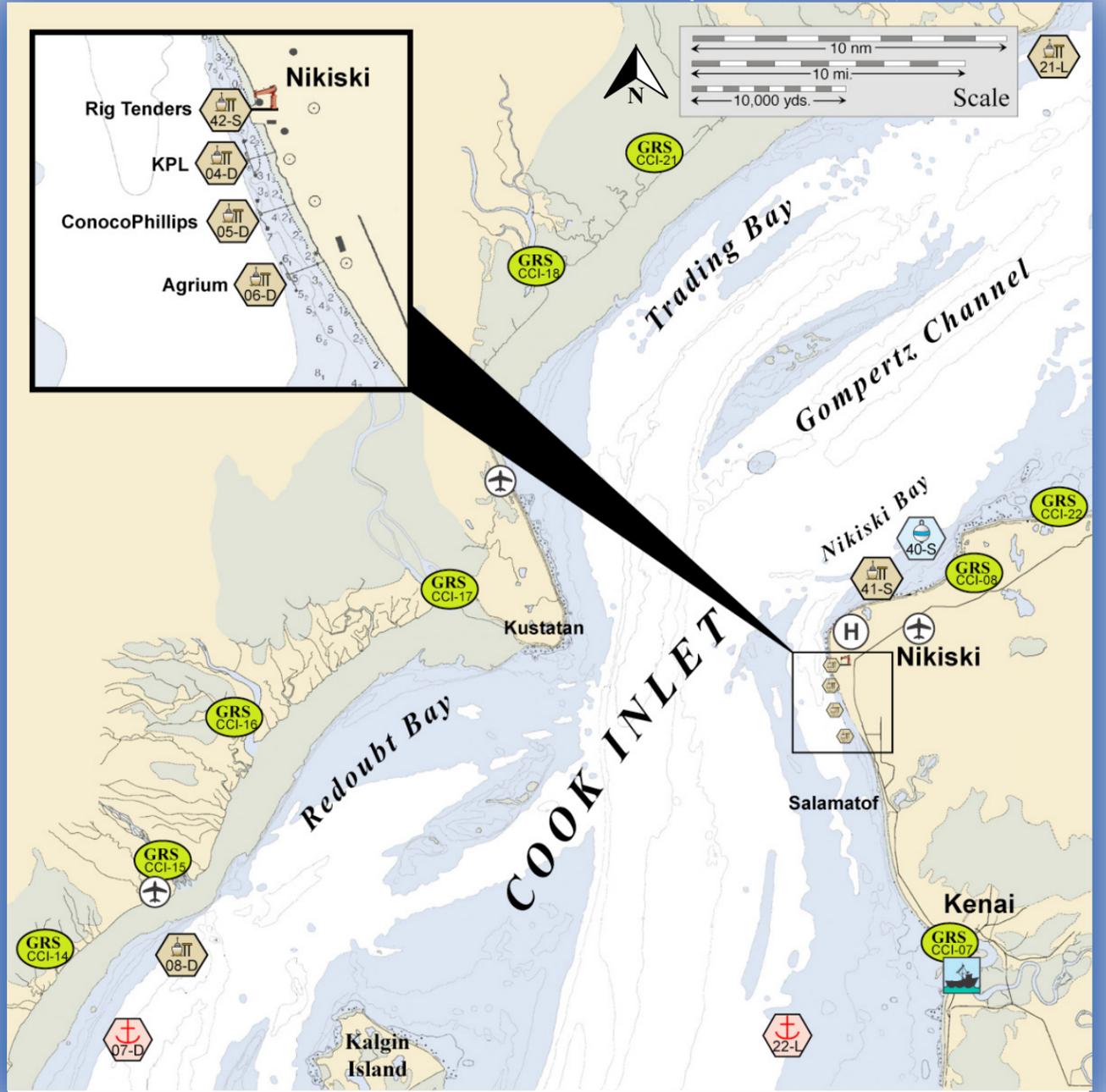


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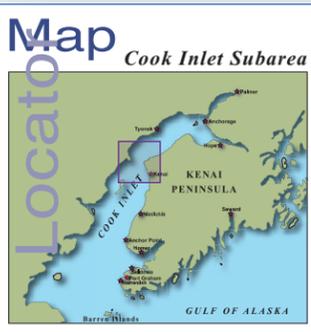
caption.

Center of map at 60° 46.29' N Lat., 151° 42.51' 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
	Helicopter Pad		Mooring Buoy

Cook Inlet PPOR Map 02

COOK INLET PPOR-02 Central Area – Physical and Operational Characteristics

	Nikiski-KPL Dock	Nikiski-LNG Dock	Nikiski-Agrium Dock	Redoubt Bay-Anchorage	Drift River Terminal/ Christie Lee Platform	Tyonek Dock	Light Point Anchorage	Nikiski Bay	OSK Dock	Rig Tender Dock
ID Number	04-D	05-D	06-D	07-D	08-D	21-L	22-L	40-S	41-S	42-S
Location	60°40.96N 151°23.94W	60°40.65N 151°23.81W	60°40.27N 151°23.50W	60°29.95N 152°11.32W	60°33.23N 152°08.16W	61°02.54N 151°09.79W	60°29.06N 151°28.40W	60°45.70N 151°16.97W	60°44.45N 151°18.71W	60°41.22N 151°23.95W
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	Dock			Anchorage	Dock		Anchorage-likely to drag anchor	Mooring	Dock-tidally limited	
Contact	907.776.8333-Facility Manager	907.776.5413-Operations Manager	907.776.8121-Operations Manager	NA	907.776.8929 Facility Manager	Tyonek Native Corp. 907.272.0707	NA	907.776.5129-CISPRI Operations	907.776.5551 Dock Manager	907.776.5551 Dock Manager
Navigational Approach	Approach from NW,W,S			Approach from the S, E	Approach from the S,E,NE	Approach from the S	Approach from the S,E,N	Approach from the N,W	Approach from the N	Approach from NW,W,S
Minimum Water Depths	42 feet on approach			32 feet on E. approach, 36 feet in swing area	54 feet at face	21 feet at dock face	27 feet in the swing area	13 feet in the swing area	13 feet at dock face	32 feet at dock face
Maximum Water Depth	42 feet at the dock face	49 feet at the dock face	49 feet at the dock face	54 feet in the swing area	54 feet at face	21 feet at dock face	27 feet in the swing area	54 feet in the swing area	13 feet at dock face	32 feet at dock face
Maximum Vessel Draft	40 ft.	45 ft.	45 ft.	35 ft.	45 ft.	18 ft.	20 ft.	10 ft.	10 ft.	10 ft.
Swing Room/Dock Face	1310 ft.	1050 ft.	1135 ft.	5000 ft.	900 ft.	1000 ft.	3600 ft.	1100 ft.	400 ft.	600 ft.
Bottom Type	NA			Rocky	NA	NA	Silt, Gravel	Sand	NA	
Docks/Piers	Nearest Alt. Dock- PPOR-02-05-D-Nikiski LNG Dock	Nearest Alt. Dock- PPOR-02-04-D-Nikiski Refinery Dock	Nearest Alt. Dock- PPOR-02-05-D-Nikiski LNG Dock	Nearest Alt. Dock- PPOR-02-08-D-Drift River Terminal	Nearest Alt. Dock- PPOR-02-04-D-Nikiski Refinery Dock			Nearest Alt. Dock- PPOR-02-41-S OSK Dock	Nearest Alt. Dock- PPOR-02-42-S-Rig Tender Dock	Nearest Alt. Dock- PPOR-02-41-S-OSK Dock
Mooring	Nearest Mooring PPOR-03-09-D Kachemak Bay Mooring #1								Nearest Mooring- PPOR-02-40-S Nikiski Bay	
Anchorage	Nearest Anchorage PPOR-02-07-D Redoubt Bay Anchorage			Nearest Alt. Anchorage PPOR-01-03-D Knik Arm Anchorage	Nearest Anchorage PPOR-02-07-D Redoubt Bay Anchorage					
Prevailing Winds	Winter-northerly, Summer-southerly, southeasterly									
Currents	This area contain very strong alongshore currents									
Tides	Mean High Water- 19.8 (Higher- 20.5) , Mean Low Water- 2.1 (Lower- -6.0)			Mean High Water- 17.4 (Higher- 18.1) , Mean Low Water- 2.0 (Lower- -6.0)				Mean High Water- 19.8 (Higher- 20.5) , Mean Low Water- 2.1 (Lower- -6.0)		
Sea Conditions	Exposed to S-NE swell			Exposed to S swell	Exposed to S,NE swell	Exposed to swell from the SW & N		Exposed to SE-N swell	Exposed to W-E swell	Exposed to S-NE swell
Shelter from Severe Storms	Sheltered from N,E storms			Sheltered from N storms	Minimal protection	Sheltered from storms from the W		Sheltered from S,E storms	Sheltered from S storms	Sheltered from N,E storms
Fog	Fog can occur during all seasons.									
Sea ice	Large pan ice conditions can occur from November-March									

COOK INLET PPOR-02 Central Area Stakeholders		COOK INLET PPOR-02 Central Area – Site Considerations											
Landowner (yr-2007)	Contact	Nikiski-Kenai Pipeline Co. Dock	Nikiski-LNG Dock	Nikiski-Agrium Dock	Redoubt Bay-Anchorage	Drift River Terminal	Tyonek Dock	Light Point Anchorage	Nikiski Bay	OSK Dock	Rig Tender Dock		
Kenai Peninsula Borough	Mayor	04-D	05-D	06-D	07-D	08-D	21-L	22-L	40-S	41-S	42-S		
Alaska Department of Natural Resources	Natural Resource Manager	Human Health & Safety											
Alaska Dept of Fish and Game	Regional Supervisor	Communities – distances-nm			Nikiski- 0.0		Nikiski-26, Kenai-27	Nikiski-23, Kenai-24	Tyonek-1.5, Anchorage-28	Kenai-8	Nikiski- 0.5	Nikiski- 0.0	
Tyonek Native Corporation	Chief Executive Officer	Natural Resource Considerations											
Salamatof Native Association	President	Fish & Wildlife		Shorebirds, eagle nesting, beluga whales		Salmon spawning, harbor seals, beluga whales, waterfowl and shorebird concentrations			Shorebirds, eagle nesting, beluga whales				
Native Allotments	Dept. of Interior-Regional Environmental Officer	Threatened & Endangered Species											
Private Landowners-contact Alaska State Lands Recorder Office	Kenai District Recorder	Sensitive Areas			None in the immediate area.		Area designated as a State Critical Habitat Area-Redoubt Bay		Adjacent to State Critical Habitat Area-Kalgin Island		None in the immediate area.		
Other Stakeholder Considerations													
Fisheries		Salmon-set-net, ground fish											
Historic Properties		Historic Properties are present throughout this area											
Mariculture		None											
Subsistence		None			Salmon, intertidal harvest, seals				None				
Tourism/Recreation		No			High recreational use area- sport fishing, hunting				No				
Waterfront Public Facilities/Parks		None			Alaska State Critical Habitat Area Nearby				None				
Waterfront Private Facilities		None											
Response and Salvage Resource Considerations													
Ability to Boom Vessel		No- high currents in area											
Geographic Response Strategies		None in the immediate area.			CCI-14,15,16			CCI-19		None in the immediate area.			
Closest Alternative Places of Refuge (same sized vessel)		PPOR 02-05-D Nikiski-LNG Dock: 0.4 nm.	PPOR 02-04-D Nikiski-KPL Dock: 0.4 nm.	PPOR 02-04-D Nikiski-KPL Dock: 0.5 nm.	PPOR 02-08-D Drift River Terminal: 4 nm	PPOR 02-07-D Redoubt Bay Anchorage: 4 nm	PPOR 02-22-L Light Point Anchorage: 35 nm	PPOR 02-21-L Tyonek Dock: 35 nm	PPOR 02-41-S OSK Docks: 0.5 nm	PPOR 02-40-S: Nikiski Bay Mooring: 0.5 nm	PPOR 02-40-S: Nikiski Bay Mooring: 7 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>