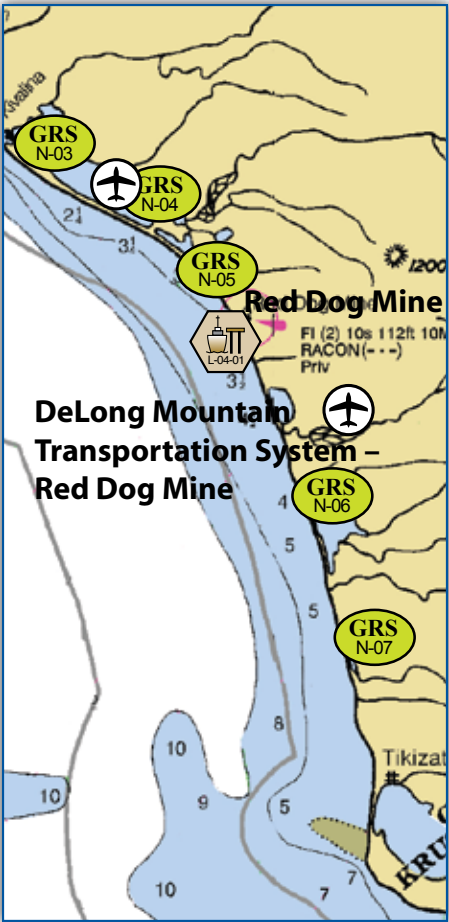


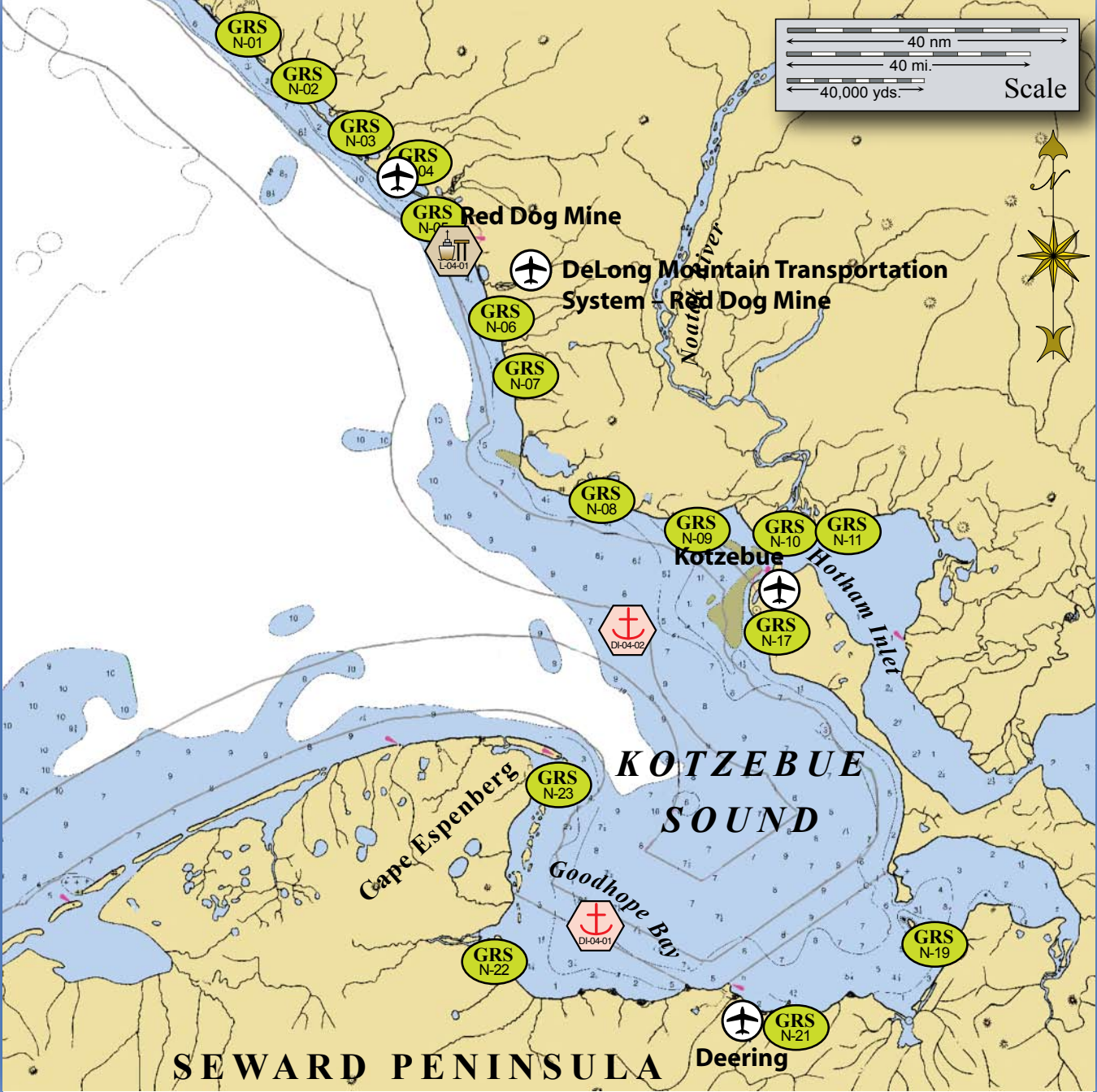
DI-04-01, Goodhope Bay and DI-04-02, Sea Buoy Anchorage.



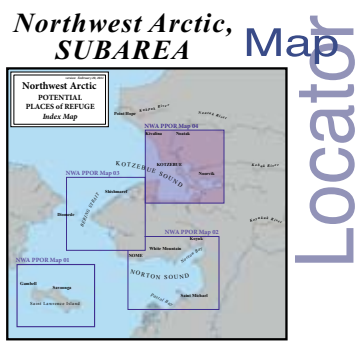
L-04-01, DeLong Mountain Transportation System – Red Dog Mine.

Stakeholders for PPOR Zone 04 of the Northwest Arctic Subarea			
Year-2011	Contact	Year-2011	Contact
Alaska Department of Natural Resources	State Historic Preservation Officer	Northwest Arctic Borough	Mayor
Native Allotments	Dept. of the Interior-Regional Environmental Officer	NANA Regional Corporation	President / CEO
National Park Service - Cape Krusenstern N. M.	Dept. of the Interior-Regional Environmental Officer	City of Kotzebue	Mayor
National Park Service - Bering Straits N.P.	Dept. of the Interior-Regional Environmental Officer	City of Kivalina	Mayor
Selawik National Wildlife Refuge	Dept. of the Interior-Regional Environmental Officer	City of Deering	Mayor
Alaska Dept. of Fish & Game	Resource Manager	Alaska Eskimo Whaling Commission	Executive Director

Potential Places of Refuge for Northwest Arctic Subarea



This is not intended for navigational use. Soundings in fathoms



Anchorage
 Airport

Mooring
 Existing GRS

Dock/pier
 Boat Harbor

Crane

Map

Legend

# Northwest Arctic PPOR Map 04

USGS 1:1,587,870 Quadrangle Map Reference - Arctic Coast - Map 16003\_1

Physical and Operational Characteristics for PPOR Map 04 of the Northwest Arctic Subarea-Kotzebue Sound				
	Goodhope Bay		Sea Buoy Anchorage	Delong Mnt. Tranpotation System Port Facilities-Red Dog Mine
ID Number	DI-04-01		DI-04-02	L-04-01
Location ( <i>In the general area</i> )	66°13.12'N 168°54.11'W		66°48.08'N 163°14.90'W	
Maximum Vessel Size	Deep Draft Vessels - lengths to 1000 ft., 20-40 ft. of draft, greater than 10,000 GT		Light Draft Vessels - up to 450 ft. in length, up to 20 ft. draft	
Type of Berthing	Anchorage		Dock	
Contact	N/A		Red Dog Mine Port Facilities	
Navigational Approach	Approach from the N, NE	Approach from E		Approach from E
Minimum Water Depths ( <i>MLLW</i> )	6 Fathoms	8 Fathoms		15 ft.
Maximum Vessel Draft	40 ft.		15 ft.	
Swing Room or Dock Face ( <i>w/ dolphins</i> )	3.75 nm to shoal	3.75 nm to shoal		350 ft.
Bottom Type	Mud	Mud		Gravelly Muddy Sand
Nearest Alternative Dock/Piers	80 nm to L-04-01	60 nm to L-04-01		280 nm to L-02-02
Nearest Alternative Anchorage	36 nm to DI-04-02	36 nm to DI-04-02		60 nm to DI-04-02
Prevailing Winds	Wind predominantly from the W during ice free season			
Currents	No data noted	05. knots SE on flood / NW on ebb		General ocean current flows from SW down the coast, local currents may vary.
Tides	Mean High 3.79 ft. (Higher 3.90) Mean Low 3.22 (Lower 3.12)		Mean High 6.02 ft. (Higher 6.11) Mean Low 5.35 (Lower 5.22)	
Sea Conditions	Exposed to N, E	Exposed to W		Exposed to S, W
Shelter from Severe Storms	Sheltered from severe storms	No shelter		
Fog	Fog during ice free season			
Ice	Late October through Late May			

Site ID Number & Vessel Size Classification
DII = Deep Draft Vessels lengths up to 1000 feet, 40-60 feet of draft, greater than 10,000 GT
DI = Deep Draft Vessels lengths up to 1000 feet, 20-40 feet of draft, greater than 10,000 GT
L= Light Draft Vessel up to 450 feet in length, draft up to 20 feet
S = A shallow draft vessel less than 300 Gross Tons, has a draft less than 15 ft., LOA less than 200 ft

Site Considerations for PPOR Zone 04 of the Northwest Arctic Subarea-Kotzebue Sound				
	Goodhope Bay		Sea Buoy Anchorage	Delong Mnt. Tranpotation System Port Facilities-Red Dog Mine
ID Number	DI-04-01		DI-04-02	L-04-01
Human Health & Safety				
Community-distance to (nm)	Kotzebue 46 nm/ pop. 3201		Kotzebue - 17 nm/ pop. 3201	
Health Care Facilities	Maniilaq Medical Health Center and Kotzebue PHN: 907-402-3321			Bessie A Kaningok Health Clinic: 907-985-5012 / Red Dog Mine Clinic (private)
Natural Resources Considerations				
Fish & Wildlife	High density seabird & shorebird nesting, Shorebird migration area, Waterfowl concentrations, Polar bear, Salmon & Herring spawning, spotted seal haulout, ringed seal breeding/pupping, beluga whales			High density waterfowl & shorebird migration area, Waterfowl concentrations, Polar bear, Seals
Threatened & Endangered Species	Spectacled eiders (threatened), Polar bears (threatened)			
Sensitive Areas	Barrier islands designated polar bear critical habitat		Polar bear critical habitat	
Other Stakeholder Considerations				
Fisheries	None		Salmon (historic)	
Historic Properties	Historic properties are present throughout the area.			
Subsistence	High-level local subsistence			
Tourism/Recreation	Local recreation			
Waterfront Public Facilities/Parks	None		Barge landing facilities	
Waterfront Private Facilities	None			
Response and Salvage Resource Consideration				
Ability to Boom Vessel	Weather dependent			
Geographic Response Strategies	N-22		None (2011)	
Closest Alternative Place of Refuge for same sized vessel	36 nm to DI-04-02		60 nm to DI-04-02	