



L-04-06 Gambier Bay entrance viewed from the west.



D-4-01-Saginaw Bay viewed from the north.



Kake Anchorage and Kake viewed from the northwest.

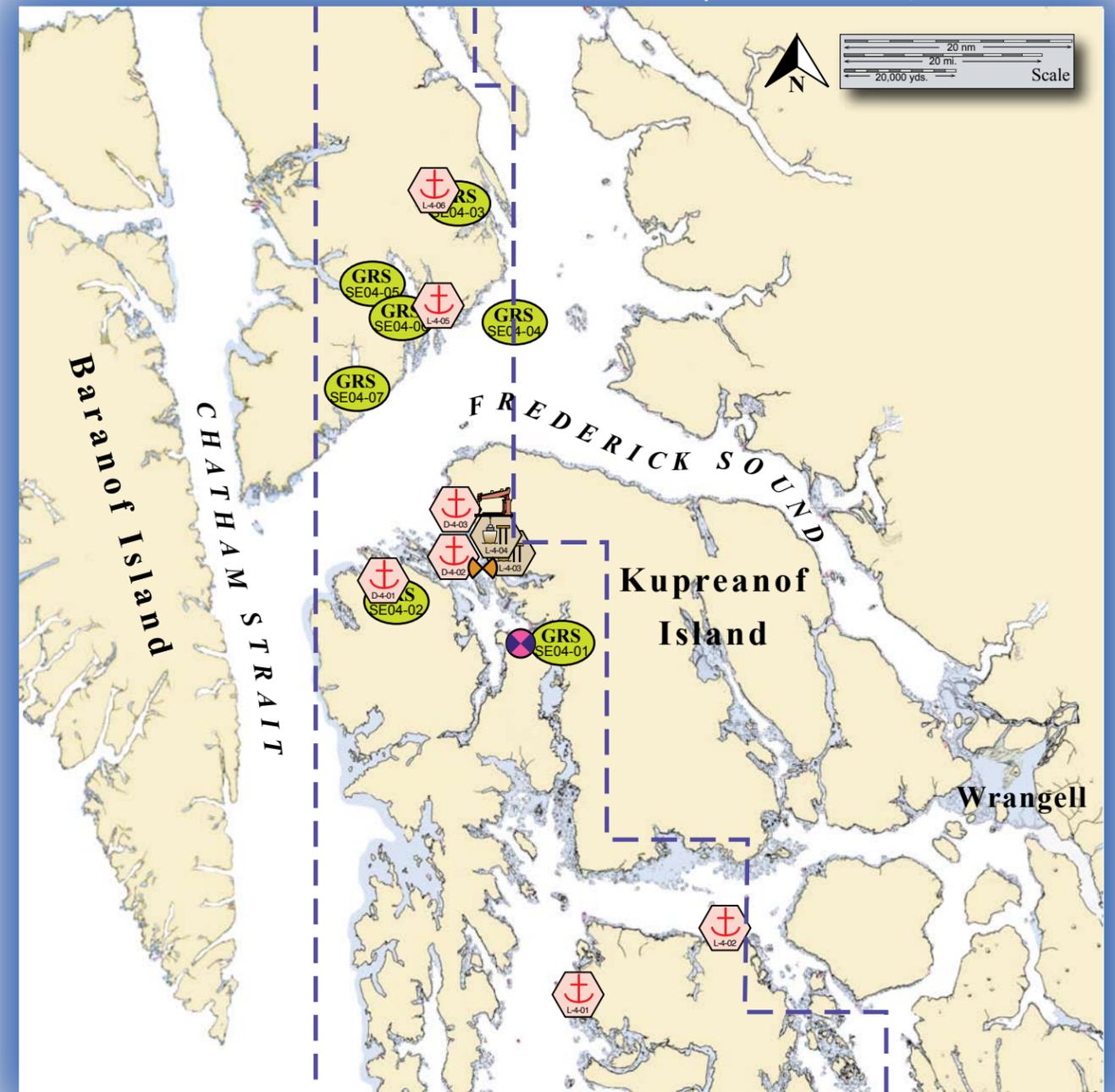


Kake Cargo Dock and Ferry Terminal viewed from the northeast.

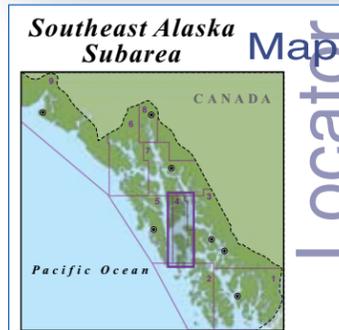


L-4-05-Pybus Bay viewed from the east.

Potential Places of Refuge for Southeast Alaska Subarea



This is not intended for navigational use.



	Anchorage		Existing GRS
	Mooring		Fish Hatchery
	Dock/pier		Aquatic Farms
	Crane		Private Cabins
	Airport		Public Use Cabins
			Boat Harbor

Southeast PPOR Map 04

USGS 1:217,828K Quadrangle Map Reference - Etolin Isl to Midway Isl Including Sumner Strait 17360_1

Site Considerations for PPOR Zone 04 of the Southeast Alaska Subarea										
	Saginaw Bay	Keku Strait	Kake Anchorage	Calder Rocks	California Bay	Kake Cargo Dock	Kake Ferry Terminal	Pybus Bay	Gambier Bay	
ID Number	D-4-01	D-4-02	D-4-03	L-4-01	L-4-02	L-4-03	L-4-04	L-4-05	L-4-06	
Human Health & Safety										
Community-distance to (nm)	15 to Kake	15 to Kake	1 to Kake	55 to Wrangell	33 to Wrangell	0 to Kake	0 to Kake	21 to Kake	37 to Kake	
Health Care Facilities	Clinic Services in Kake			Clinic Services in Wrangell			Clinic Services in Kake			
Natural Resources Considerations										
Fish & Wildlife	Spawning salmon, seals, otters, waterfowl, seabirds	Spawning salmon, seals, otters, waterfowl		Spawning salmon, seals, otters, waterfowl, seabirds	Spawning salmon, seals, otters, waterfowl					
Threatened & Endangered Species	None (2010)									
Sensitive Areas	Not Designated	Adjacent area designated sensitive by SE GRS Workgroup			Not Designated			Adjacent area designated sensitive by SE GRS Workgroup		
Other Stakeholder Considerations										
Fisheries	Salmon, Groundfish, Crab									
Historic Properties	Historic Properties are present throughout the area.									
Mariculture*	None	None	Hatchery operations in the Kake area	None	Hatchery operations in the Ketchikan area	Hatchery operations in the Kake area	Hatchery operations in the Kake area	None	None	
Subsistence	Low level subsistence use	High local subsistence use			Low level subsistence use		High local subsistence use		Low level subsistence use	
Tourism/Recreation	High level recreational use throughout the area-sport fishing, wildlife viewing, excursions, camping, cruise ships, hunting									
Waterfront Public Facilities/Parks	Tongass National Forest-No waterfront facilities	Small boat harbor and supporting services are present in Kake. Tongass National Forest			Tongass National Forest-No waterfront facilities		Small boat harbor and supporting services are present in Kake. Tongass National Forest		Tongass National Forest-No waterfront facilities	
Waterfront Private Facilities	None present	Marine services docks and piers in Kake			None present		Marine services docks and piers in Kake		None present	
Response and Salvage Resource Consideration										
Ability to Boom Vessel	Weather Dependent					Yes		Weather Dependent		
Geographic Response Strategies	None (2010)	SE04-02			None (2010)		SE04-02		SE04-03	SE04-06
Closest Alternative PPOR for a same sized vessel	15 nm to D-04-03	2 nm to D-04-03	2 nm to D-04-02	23 nm to L-04-02	6 nm to L-03-03	.3 nm to L-04-04	.3 nm to L-04-03	21 nm to L-04-04	22 nm to L-04-05	

Site ID Number and Vessel Size Classification
D = Deep Draft Vessel-lengths to 1,000 ft or greater, 20-40 ft of draft, greater than 10,000 GT
L = Light Draft Vessel-up to 450 feet in length, draft up to 20 ft

Physical and Operational Characteristics for PPOR Map 04 of the Southeast Alaska Subarea										
	Saginaw Bay	Keku Strait	Kake Anchorage	Calder Rocks	California Bay	Kake Cargo Dock	Kake Ferry Terminal	Pybus Bay	Gambier Bay	
ID Number	D-04-01	D-04-02	D-04-03	L-04-01	L-04-02	L-04-03	L-04-04	L-04-05	L-04-06	
Location-(In the general area of)	56°53.48'N 134°12.39'W	56°58.86'N 134°05.17'W	56°58.68'N 133°58.50'W	56°15.03'N 133°39.08'W	56°23.43'N 133°13.57'W	56°57.54'N 133°54.84'W	56°57.66'N 133°55.32'W	57°18.93'N 134°02.46'W	57°28.98'N 134°02.16'W	
Maximum Vessel Size	Deep Draft Vessels- lengths up to 1000 feet, 20-40 feet of draft, greater than 10,000 GT			Light Draft Vessel - up to 450 feet in length, draft up to 20 feet						
Type of Berthing	Anchorage			Dock			Anchorage			
Contact	N/A			Harbor Master 907.785.3251			N/A			
Navigational Approach	NW from Frederick Sound	Approach from the NW		Approach from the NW or SW	Approach from the N	Approach from the NW		Approach from the S	Approach from the E	
Minimum Water Depths (MLLW)	10 fathoms	7 fathoms	22 fathoms	20 fathoms	33 fathoms	15 ft.	15 ft.	17 fathoms	25 fathoms	
Maximum Vessel Draft	40 ft. +	40 ft.	40 ft. +	20 ft. +		12 ft.	12 ft.	20 ft. +		
Swing Room or Dock Face (w/ dolphins)	4200 ft.	3200 ft.	2400 ft.	3000 ft.	2400 ft.	300 ft.	300 ft.	1800 ft.	5000 ft.	
Bottom Type	Mud, Shells	Sand, Shells	Gravel, Shells	Sand, Shells	Mud, Shells	N/A		Mud		
Nearest Alternative Dock/Piers	100 nm to deep draft docks in Juneau	92 nm to deep draft docks in Juneau		12 nm to dock in Shakan Bay D-02-06	24 nm to Wrangell docks	0.3 nm to L-04-04	0.3 nm to L-04-03	24 nm to L-04-04	38 nm to L-04-04	
Nearest Alternative Anchorage	15nm to D-04-03	2 nm to D-04-03	2 nm to D-04-02	23 nm to L-04-02	6 nm to L-03-03	0.5 nm to D-04-03		18 nm to L-04-06	18 nm to L-04-05	
Prevailing Winds	Strongest winds are usually out of the N, E, and SE. May through September NW winds dominate. E and SE winds blow more than 50 percent of the time from October through February									
Currents	Frederick Sound has currents up to 1.2 knots. Significantly more current in constricted areas.	Keku Strait has currents up to 1.2 to 2 knots in the wide parts. Significantly more current in constricted areas.			Light currents in the Strait. Minimal currents at the anchorages.		Keku Strait has currents up to 1.2 to 2 knots in the wide parts. Significantly more current in constricted areas.		Currents in the channel are significant.	Minimal currents at the anchorages.
Tides	Mean High 13.1 ft. (Higher 14) Mean Low 1.5 (Lower -4.0)	Mean High 13.1 ft. (Higher 14) Mean Low 1.4 (Lower -4.0)		Mean High 10.9 ft. (Higher 11.7) Mean Low 1.4 (Lower -4.0)	Mean High 13.1 ft. (Higher 14) Mean Low 1.5 (Lower -4.0)	Mean High 13.1 ft. (Higher 14) Mean Low 1.4 (Lower -4.0)		Mean High 13.4 ft. (Higher 14.3) Mean Low 1.5 (Lower -5.0)	Mean High 14.0 ft. (Higher 14.9) Mean Low 0.0 (Lower -5.5)	
Sea Conditions	Exposed to swells from the NW			Exposed to swells from the SW-NW	Exposed to swells from the NW-NE	Sheltered				
Shelter from Severe Storms	Sheltered from NE-W storms			Sheltered from NW-SW	Sheltered from S					
Fog	Frequent throughout the year. Heaviest from June-July.									
Ice	Ice can form in bays from November until May if colder conditions prevail.									

Stakeholders for PPOR Zone 04 of the Southeast Alaska Subarea	
Organization	Contact
Alaska Department of Fish & Game	Resource Manager
Alaska Department of Natural Resources	Resource Manager, State Historic Preservation Officer
Cape Fox Corporation	CEO
Central Council Tlingit-Haida Tribal	President
City of Kake	Mayor
Kake Tribal Corporation	President
Native Allotments	Dept of the Interior-Regional Environmental Officer
Organized Village of Kake	President
Sealaska Corporation	President

*For current mariculture operations, ownership information and locations, consult the ADF&G mariculture website: <http://www.cf.adfg.state.ak.us/geninfo/enhance/maricult/maricult.php>

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the Southeast Alaska Subarea Contingency Plan: http://dec.alaska.gov/spar/perp/plans/scp_se.htm