



Pedersen Glacier Lagoon SZ-10, view from the southeast.

	Free-oil Containment and Recovery, Shallow Water		Snare Line
	Exclusion Booming		Dam
	Dam Tactic		Helicopter Landing Zone
	Protected-water Boom		Staging Area
	Tidal-seal Boom		Bears in Area, Guards Needed
			Campground

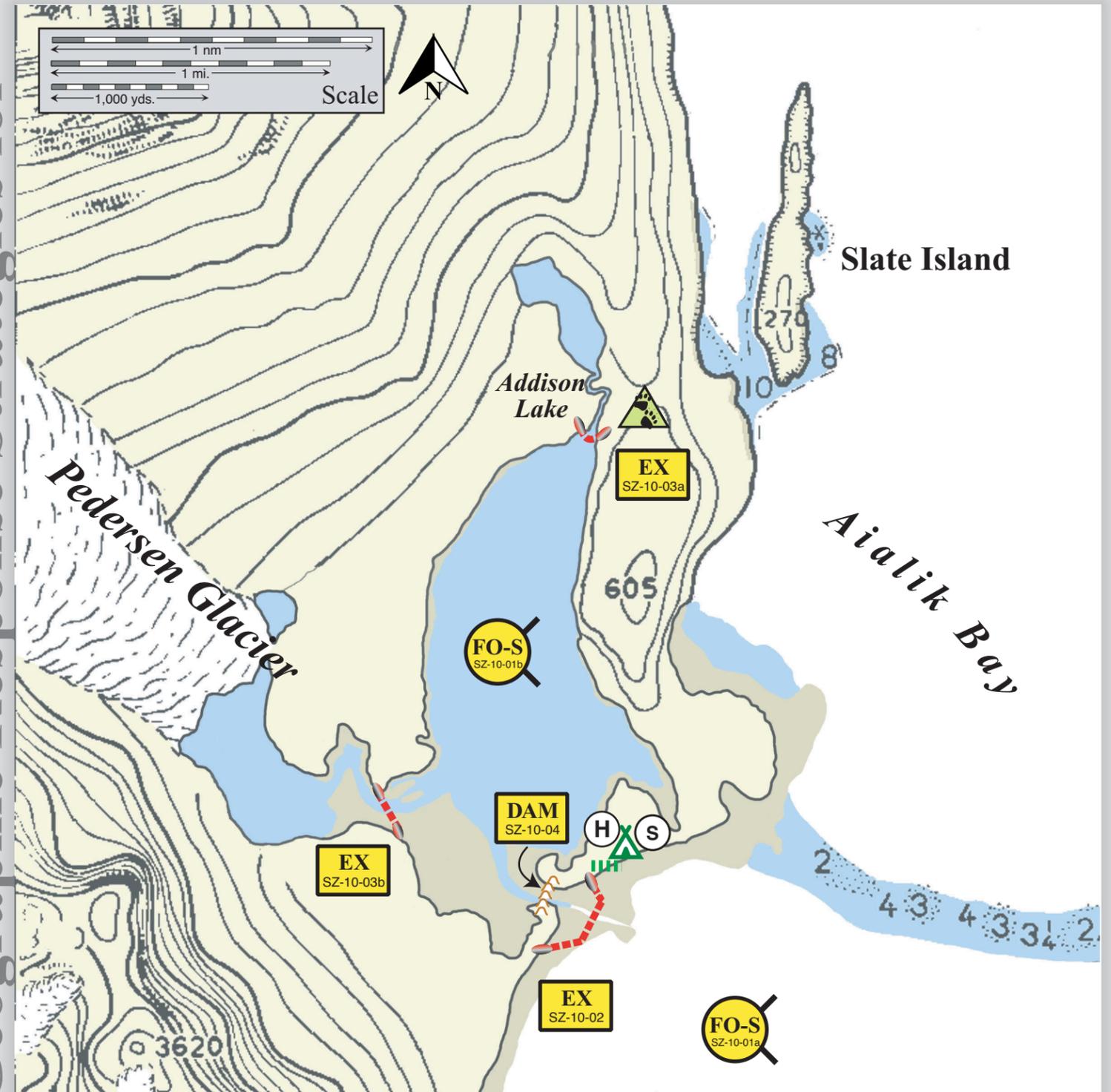


Pedersen Glacier Lagoon SZ-10, view from the south.

Pedersen Glacier Lagoon, SZ-10

Center of map at 59° 53.7' N Lat., 149° 44.5' W Lon.

Geographic Response Strategies for



This map is not intended to be used for navigation.

Soundings in fathoms

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
SZ-10-01	<p>Pederson Glacier Lagoon Nearshore waters in the general area of:</p> <p>a. Lat. 59°52.3 N Lon. 149°43.7 W</p> <p>b. Lat. 59°52.3 N Lon. 149°43.7 W</p>	<p>Free-oil Recovery- Shallow Water</p> <p>Maximize free-oil recovery in the offshore & nearshore environment of Pederson Glacier Lagoon depending on spill source and trajectory.</p>	<p>Deploy free-oil recovery strike teams upwind and up current of Pederson Glacier Lagoon entrance.</p> <p>Use tactic (b) if oil has entered the lagoon.</p> <p>Use aerial surveillance to locate incoming slicks.</p>	<p>Multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.</p>	Seward	<p>Via marine waters</p> <p>Chart 16682-1</p>	Same as SZ-10-02	<p>Vessel master should have local knowledge.</p> <p>Site surveyed 9/08/02 GRS WG.</p>
SZ-10-02	<p>Pederson Glacier Lagoon Mouth Lat. 59°52.74 N Lon. 149°44.32 W</p> <p>The current flowing out of the lagoon does not reverse until the tide rises above +4.3 ft.</p> <p>Currents are strong (3.5-4 Kts.) in the lagoon entrance during max. flood.</p>	<p>Exclusion</p> <p>Exclude oil from entering Pederson Glacier Lagoon.</p>	<p>Transport equipment by vessel (Class 2/3/4) from Seward.</p> <p>Deploy anchors and boom with fishing vessels and skiffs(Class 3/4/6).</p> <p>Place shore-seal boom and protected-water boom around lagoon entrance as shown on the map.</p> <p>Place 100 ft. of snare or sorbent boom on beach at north end of boom array to collect any oil diverted by the boom.</p> <p>Tend throughout the tide.</p>	<p>Deployment</p> <p>Equipment</p> <p>2400 ft. protected-water boom 6 section ≥50 ft. shore-seal boom 6 ea. anchor systems (~20 lbs.) 4 ea. anchor systems (~100 lbs.) 6 ea. anchor stakes 100 ft. snare or sorbent boom</p> <p>Vessels</p> <p>2 ea. class 2 (transport) 1 ea. class 3/4 2 ea. class 6</p> <p>Personnel / Shift</p> <p>11 ea. vessel crew</p> <p>Tending</p> <p>Vessels</p> <p>1 ea. class 3/4 1 ea. class 6</p> <p>Personnel / shift</p> <p>3 ea. vessel crew</p>	<p>Stage at the NPS one acre campsite easement.</p> <p>Food storage locker is at this site.</p>	<p>Via marine waters</p> <p>Chart 16682-1</p> <p>Title 16 permitting required from ADF&G.</p> <p>NPS Special Use Permit is required for GRS operations in Kenai Fjords National Park. This permit has been pre-filed by the NPS.</p>	<p>Fish-intertidal spawning, salmon, herring (April-May), dolly varden.</p> <p>Marine mammals-sea otters, seals.</p> <p>Terrestrial mammals-bears, river otters.</p> <p>Birds- Waterfowl-teal, wigeon, merganser, Shorebirds, oyster catchers, eagles.</p> <p>Habitat-marsh, sheltered tidal flats, intertidal resources-mussels.</p> <p>Human use- high recreational use (May-Sept).</p>	<p>Pederson Lagoon should be entered at or near high tide.</p> <p>Lagoon is different than depicted on pre 2002 NOAA charts.</p> <p>High surf is common outside lagoon.</p> <p>The beaches outside the lagoon should be a high priority for shoreline cleanup.</p> <p>REPORT any cultural resources found during operations to FOSC Historic Properties Specialist.</p> <p>Site surveyed 9/08/02 GRS WG.</p> <p>Tested: no</p>
SZ-10-03	<p>Pederson Glacier Lagoon</p> <p>a. Addison Lake Creek Lat. 59°53.85 N Lon. 149°44.26 W</p> <p>b. Pederson Glacier Creek (reverses at +7 ft. tide) Lat. 59°52.99 N Lon. 149°48.15 W</p>	<p>Exclusion</p> <p>Exclude oil from entering the streams in Pederson Glacier Lagoon.</p>	<p>Transport equipment by vessel (Class 2/3/4) from Seward.</p> <p>Deploy anchors and boom with fishing vessels and skiffs(Class 3/4/6) around creek entrances to the lagoon.</p> <p>Place calm-water boom for site (a) in a chevron pattern. Place (b) at an adequate angle to deflect to the north shoreline.</p> <p>Tend throughout the tide.</p> <p>Boom Lengths</p> <p>a. 300 ft. b. 500 ft.</p>	<p>Deployment</p> <p>Equipment</p> <p>800 ft. calm-water boom 6 ea. anchor systems (~20 lbs.) 8 ea. anchor stakes</p> <p>Vessels/Personnel/Shift</p> <p>Same as SZ-10-02</p> <p>Tending</p> <p>Vessels/Personnel/Shift</p> <p>Same as SZ-10-02</p>	<p>Vessel platform</p> <p>Ailiak Bay Ranger station and public use cabins are in the area.</p>	<p>Via marine waters</p> <p>Chart 16682-1</p> <p>Title 16 permitting required from ADF&G.</p>	Same as SZ-10-02	<p>The surrounding lands are property of the Port Graham Village Corporation. Contact the Corporation as soon as possible for permitting to conduct shore-side activities. Conducting any on-shore activity in the surrounding area beyond the scope of this document requires the express consent of the Port Graham Village Corporation.</p> <p>Vessel master should have local knowledge.</p> <p>Site surveyed 9/08/02 GRS WG.</p> <p>Tested: no.</p>
SZ-10-04	<p>Pederson Glacier Lagoon Lat. 59° 52.75 N Lon. 149° 44.43 W</p> <p>Use this tactic with a large, protracted event and only as a last resort.</p>	<p>Dam</p> <p>Using local materials to dam the lagoon entrance, exclude oil from entering the lagoon.</p>	<p>Transport bulldozers and backhoes to the site with landing craft.</p> <p>Close lagoon entrance with materials from storm berm.</p>	<p>Deployment</p> <p>Vessels</p> <p>1 ea. landing craft</p> <p>Equipment</p> <p>1 ea. backhoe/bulldozer 2 ea. culvert</p> <p>Personnel</p> <p>2 ea. heavy equipment operator</p> <p>Tending</p> <p>Vessel/Personnel/Shift</p> <p>1 ea. heavy equipment operator</p>	Beach	<p>Via marine waters</p> <p>Chart 16682-1</p> <p>Army Corps of Engineers permitting required for this tactic.</p> <p>Title 16 permitting required from ADF&G.</p>	Same as SZ-10-02	<p>Site surveyed 9/08/02 GRS WG.</p>