





Map & Photo Legend

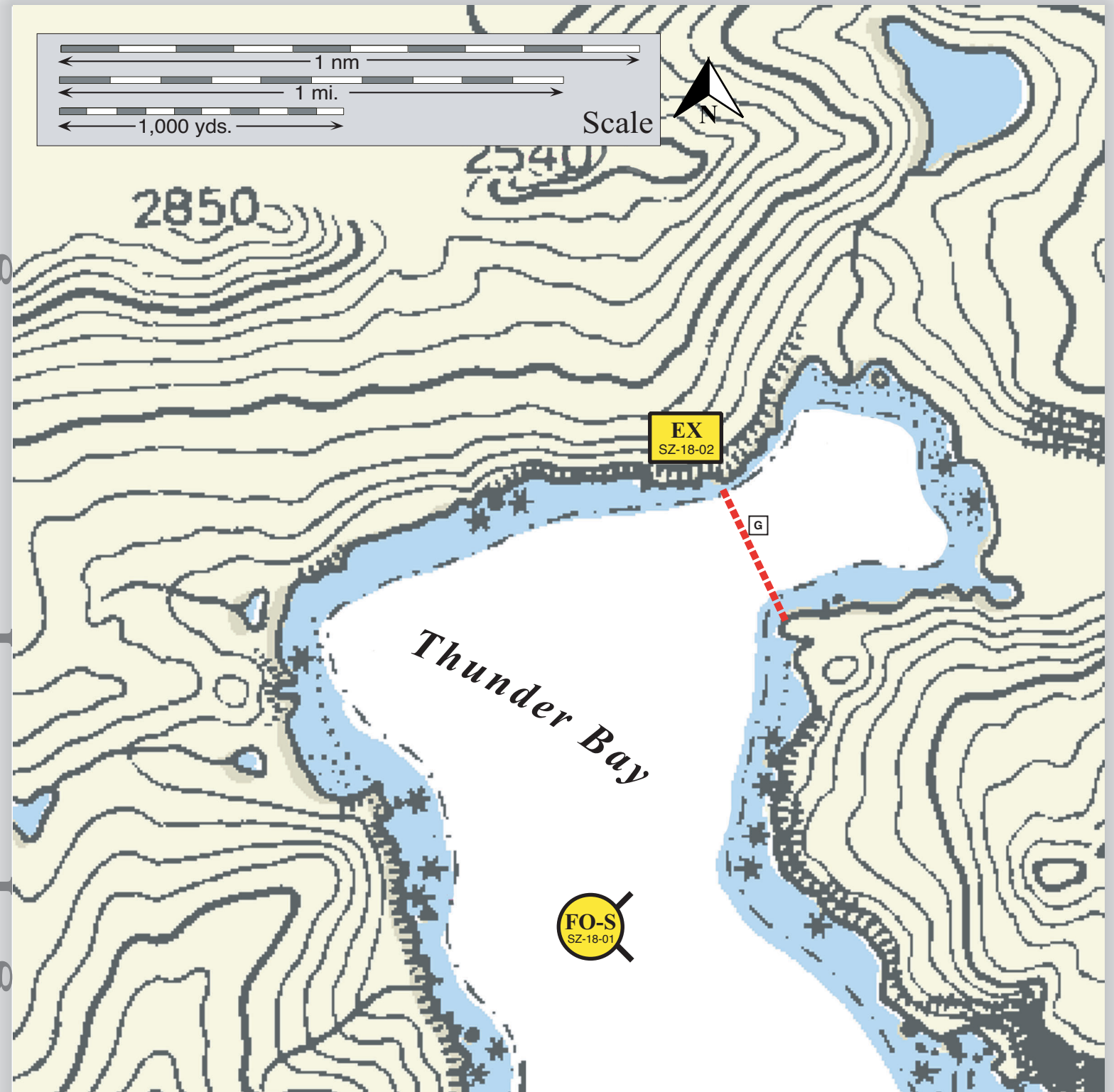


Thunder Bay SZ-18, viewed from the southwest.

-  Free-oil Containment and Recovery, Shallow Water
-  Exclusion Booming
-  Protected-water Boom
-  Gate

Thunder Bay, SZ-18

Center of map at 59° 34.7' N Lat., 150° 11.2' W Lon.



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-18-01	Thunder Bay Nearshore waters in the general area of: Lat. 59° 34.7 N Lon. 150° 11.2 W	Free-oil Recovery- Shallow Water Maximize free-oil recovery in the offshore & nearshore environment of Thunder Bay depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Thunder Bay. Use aerial surveillance to locate incoming slicks.	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Seward	Via marine waters Chart 16682-1	Same as SZ-18-02	Vessel master should have local knowledge. Site surveyed: 9/06/02 GRS WG
SZ-18-02	Thunder Bay Lat. 59° 34.90 N Lon. 150° 11.05 W	Exclusion-with Gate Exclude oil from entering Thunder Bay. Place a vessel gate in the boom to allow access to the head of the Bay.	Transport equipment by vessel (class 3/4) from Seward. Deploy anchors and boom with fishing vessels and skiffs (class 3/4/6). Place protected-water boom across Thunder Bay. Establish gate in boom to allow access to the head of the Bay. Tend throughout the tide.	Deployment Equipment 1600 ft. protected-water boom with gate 8 ea. anchor systems (~40 lbs.) 4 ea. anchor systems with 300 + ft. of line 4 ea. anchor stakes Vessels 2 ea. class 3/4 1 ea. class 6 Personnel/Shift 8 ea. vessel crew Tending Vessels 1 ea. class 3/4 1 ea. class 6 Personnel/Shift 3 ea. vessel crew	Vessel platform	Via marine waters Chart 16682-1 Title 16 permitting required from ADF&G. NPS Special Use Permit is required for GRS operations in Kenai Fjords National Park. This permit has been pre-filed by the NPS.	Fish- intertidal spawning-salmon, herring Birds-waterfowl feeding and nesting-harlequins (June-Sept.), eagle nesting and feeding (May-Sept.) Habitat-sheltered tidal flats, intertidal resources, mussels Human use: boat anchorage	Vessel master should have local knowledge. NPS owns the lands around this site. Biting insects may present a response hazard. REPORT any cultural resources found during operations to FOSC Historic Properties Specialist. Site surveyed: 9/06/02 GRS WG Tested: not yet