







# Map & Photo Legend



Otter Cove, SZ-16, viewed from the northeast.

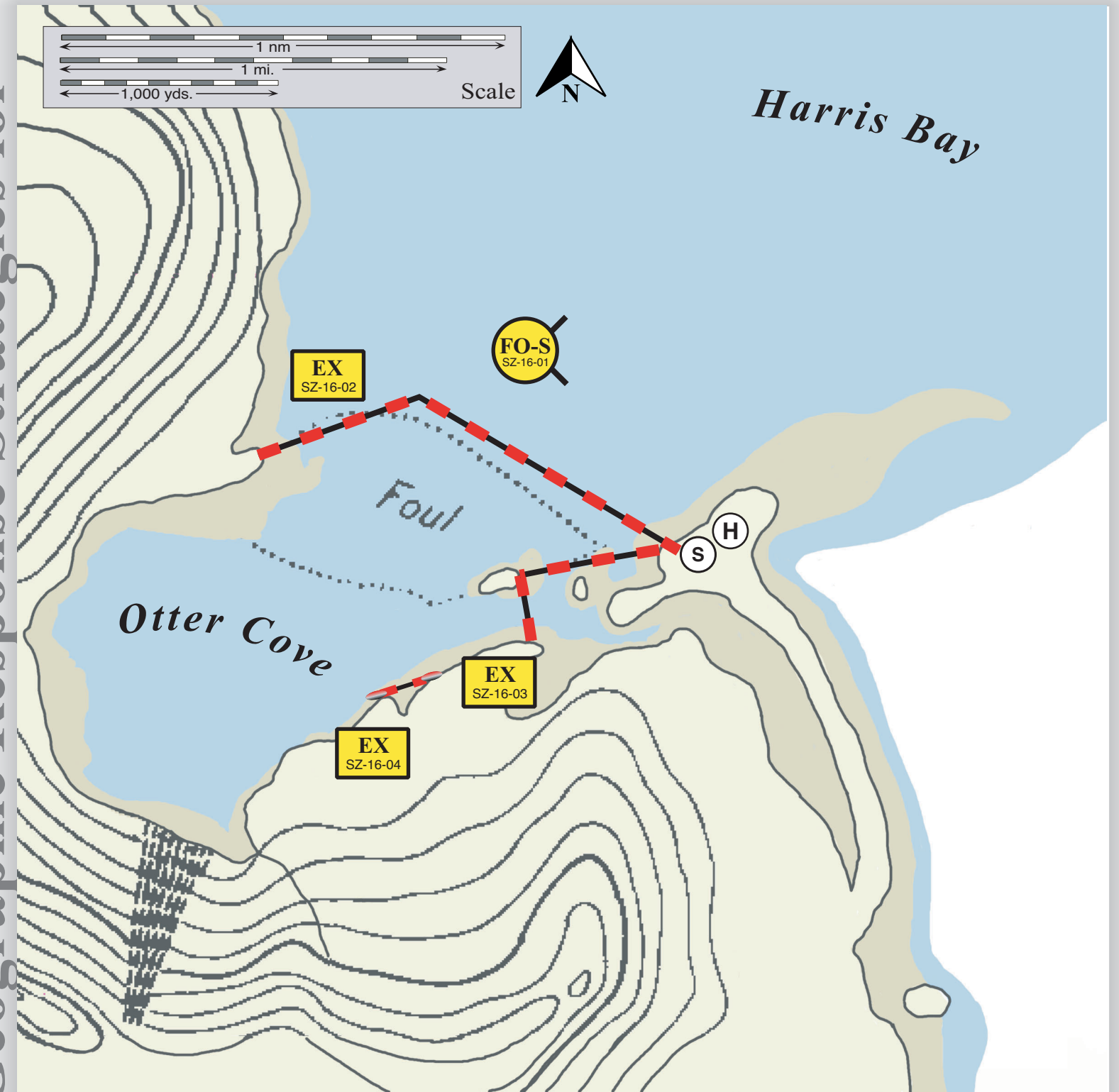
-  Free-oil Containment and Recovery, Shallow Water
-  Exclusion Booming
-  Calm-water Boom
-  Tidal-seal Boom
-  Staging Area
-  Helicopter Landing Zone



Close up of Otter Cove intertidal area, viewed from the east.

## Otter Cove, SZ-16

Center of map at 59° 43.7' N Lat., 149° 56.0' 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-16-01	<b>Otter Cove</b> Nearshore waters in the general area of:  Lat. 59° 44.4 N Lon. 149° 55.3 W  This site will only be impacted if oil crosses the terminal moraine. Emphasize this tactic outside the moraine.	<b>Free-oil Recovery- Shallow Water</b>  Maximize free-oil recovery in the offshore & nearshore environment of Otter Cove depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Sea Otter Cove.  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-16-02	Vessel master should have local knowledge.  Numerous submerged rocks are at the cove entrance.  Site surveyed: 9/07/02 GRS WG
SZ-16-02	<b>Otter Cove</b> Lat. 59° 43.70 N Lon. 149° 56.93 W	<b>Exclusion</b>  Exclude oil from entering Otter Cove.	Transport equipment to site by vessel (class 2/3/4).  Deploy east leg first.  Place boom and anchor system with fishing vessel or skiff (class 3/4/6).  Position boom to exclude the oil from the cove.	<b>Deployment Equipment</b> 5200 ft. calm water boom 32 ea. anchor systems (~40 lbs.) <b>Vessels</b> 2 ea. class 2 (transport) 2 ea. class 3/4 2 ea. class 6 <b>Personnel/Shift</b> 18 ea. vessel crew <b>Tending Vessels</b> 1 ea. class 3/4 1 ea. class 6 <b>Personnel/Shift</b> 4 ea. vessel crew	Vessel platform	Via marine waters  Chart 16682-1  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 salmon spawning, herring  Marine mammals-sea otters, seals  Birds- waterfowl nesting and feeding- murrelets, (June – Sept.), seabirds- cormorants, scoters, shorebird feeding (June – Sept.), eagle nesting (May-Sept.)  Habitat-sheltered rocky shoreline, sheltered tidal flats, eelgrass, intertidal resources, mussels, invertebrates	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.  REPORT any cultural resources found during operations to FOSC Historic Properties Specialist.  Vessel master should have local knowledge.  Set-up time for this tactic will take ~12 hours.  The shape of this cove is different than depicted on pre-2002 NOAA charts.  Site surveyed: 9/07/02 GRS WG  Tested: not yet
SZ-16-03	<b>Otter Cove</b> Mouth of slough:  Lat. 59° 43.42 N Lon. 149° 56.45 W	<b>Exclusion</b>  Exclude oil from entering the slough at the SE side of the Cove.	Transport equipment by vessel (class 2/3/4).  Deploy anchors and boom with fishing vessels and skiffs (class 3/4/6).  Place calm-water boom across entrance. Deploy the 900 ft. west leg on the grass bank. The 1800 ft. east leg should be deployed to the spit. The apex should reach the sand bar in the cove.  Consider the use of sorbent boom.  Tend throughout the tide.	<b>Deployment Equipment</b> 2700 ft. calm-water boom 1 apex anchor (~200 lbs.) 12 ea. anchor systems (~40 lbs.) 4 ea. anchor stakes <b>Vessels/Personnel/Shift</b> Same as SZ-16-02 <b>Tending Vessels/Personnel/Shift</b> Same as SZ-16-02	Vessel platform	Via marine waters  Chart 16682-1	Same as SZ-16-02	Vessel master should have local knowledge.  Site surveyed: 9/07/02 GRS WG  Tested: not yet
SZ-16-04	<b>Otter Cove</b> Small slough on the SW side of Cove:  Lat. 59° 43.50 N Lon. 149° 57.02 W	<b>Exclusion</b>  Exclude oil from entering slough on the SW side of Otter Cove.	Transport equipment by vessel (class 2/3/4).  Deploy anchors and boom with fishing vessels and skiffs (class 3/4/6).  Place calm-water boom across slough mouth.  Tend throughout the tide.	<b>Deployment Equipment</b> 500 ft. calm-water boom 2 sections ≥50 ft. shore-seal boom 6 ea. anchor systems (~40 lbs.) 4 ea. anchor stakes <b>Vessels/Personnel/Shift</b> Same as SZ-16-02 <b>Tending Vessels/Personnel/Shift</b> Same as SZ-16-02	Vessel platform	Via marine waters  Chart 16682-1	Same as SZ-16-02	Vessel master should have local knowledge.  Tested: not yet