





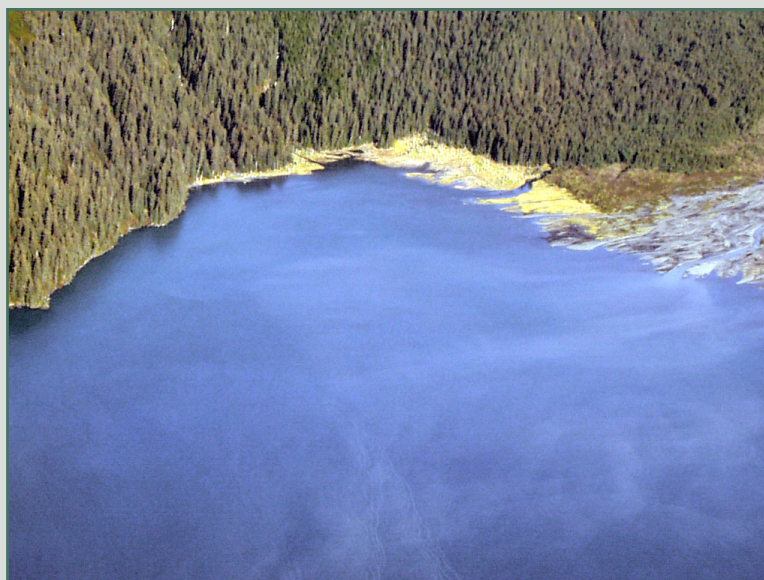


# Map & Photo Legend



Nuka North Arm Spawning Streams, SZ-27-03 tactic site, viewed from southwest.

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

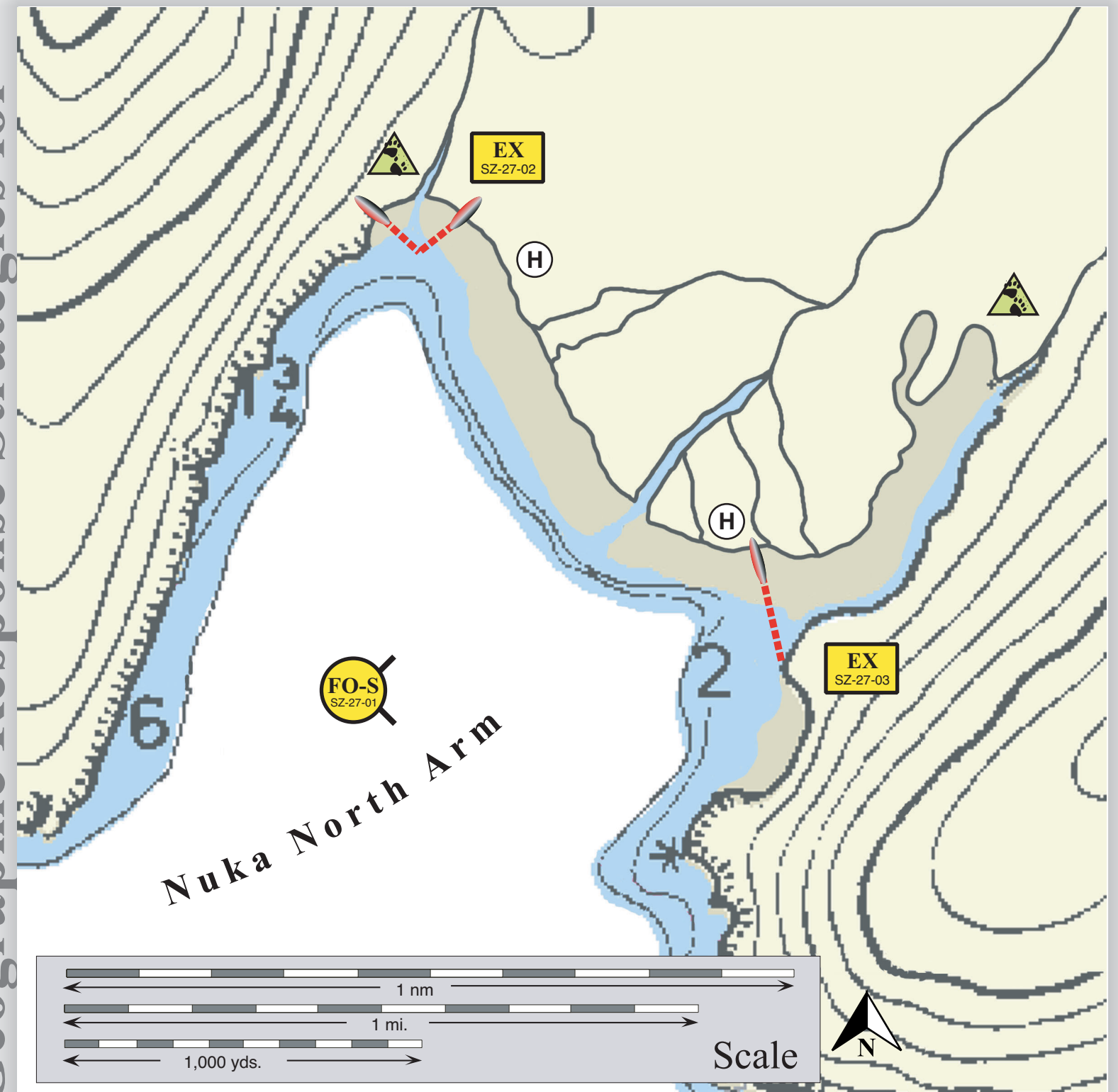


Nuka North Arm Spawning Streams, SZ-27-02 tactic site, viewed from the south.

## Nuka North Arm Spawning Streams, SZ-27

Center of map at 59° 35.9' N Lat., 150° 31.1' 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-27-01	<b>Nuka North Arm Spawning Streams</b> Nearshore waters in the general area of:  Lat. 59° 35.9 N Lon. 150° 31.1 W	<b>Free-oil Recovery-Shallow Water</b>  Maximize free-oil recovery in the offshore & nearshore environment of Nuka North Arm Spawning Streams depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Nuka North Arm Spawning Streams.  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-27-02	Vessel master should have local knowledge.  Site surveyed: 9/05/02 GRS WG
SZ-27-02	<b>Nuka North Arm Spawning Streams</b> Lat. 59° 36.30 N Lon. 150° 31.31 W	<b>Exclusion</b> Exclude oil from entering Nuka North Arm Spawning Stream.	Transport equipment by vessel (class 2/3/4).  Deploy anchors and boom with fishing vessel and skiffs (class 3/4/6).  Place tidal-seal boom and protected-water boom in an apex across the northern stream at the head of the arm.  Tend throughout the tide.	<b>Deployment Equipment</b> 1200 ft. protected-water boom 2 sections ≥50 ft. tidal-seal boom 10 ea. anchor systems (~40 lbs.) 6 ea. anchor stakes <b>Vessels</b> 1 ea. class 2 (transport) 2 ea. class 3/4 1 ea. class 6 <b>Personnel/Shift</b> 8 ea. vessel crew <b>Tending Vessels</b> 1 ea. class 3/4 1 ea. class 6 <b>Personnel/Shift</b> 3 ea. vessel crew	Vessel platform	Via marine waters, helicopter  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 (April-May)  Marine mammals-sea otters, seals  Terrestrial mammals-bears  Birds- waterfowl concentrations, eagle nesting (May-Sept.)  Habitat- sheltered tidal flats, marsh, eel grass, kelp	Vessel master should have local knowledge.  NPS owns lands surrounding this site.  REPORT any cultural resources found during operations to FOSC Historic Properties Specialist.  Site surveyed: 9/05/02 GRS WG  Tested: not yet
SZ-27-03	<b>Nuka North Arm Spawning Streams and Intertidal Lagoon</b> Lat. 59° 35.81 N Lon. 150° 30.30 W	<b>Exclusion</b> Exclude oil from entering Nuka North Arm Spawning Streams and the intertidal lagoon.	Transport equipment by vessel (class 2/3/4).  Deploy anchors and boom with fishing vessels and skiffs (class 3/4/6).  Place tidal-seal boom on the north end of the array and protected-water boom across the northeastern stream.  Tend throughout the tide.	<b>Deployment Equipment</b> 900 ft. protected-water boom 200 ft. tidal-seal boom 6 ea. anchor systems (~40 lbs.) 4 ea. anchor stakes <b>Vessels/Personnel/Shift</b> Same as SZ-27-02 <b>Tending Vessel/Personnel/Shift</b> Same as SZ-27-02	Vessel platform	Same as SZ-27-02	Same as SZ-27-02	Vessel master should have local knowledge.  Tested: not yet