

Map & Photo Legend



Nuka East Arm Rookery SZ-21, viewed from the south.



Free-oil Containment and Recovery, Shallow Water



Exclusion Booming



Deflection Booming, Fixed



Protected-water Boom



Tidal-seal Boom

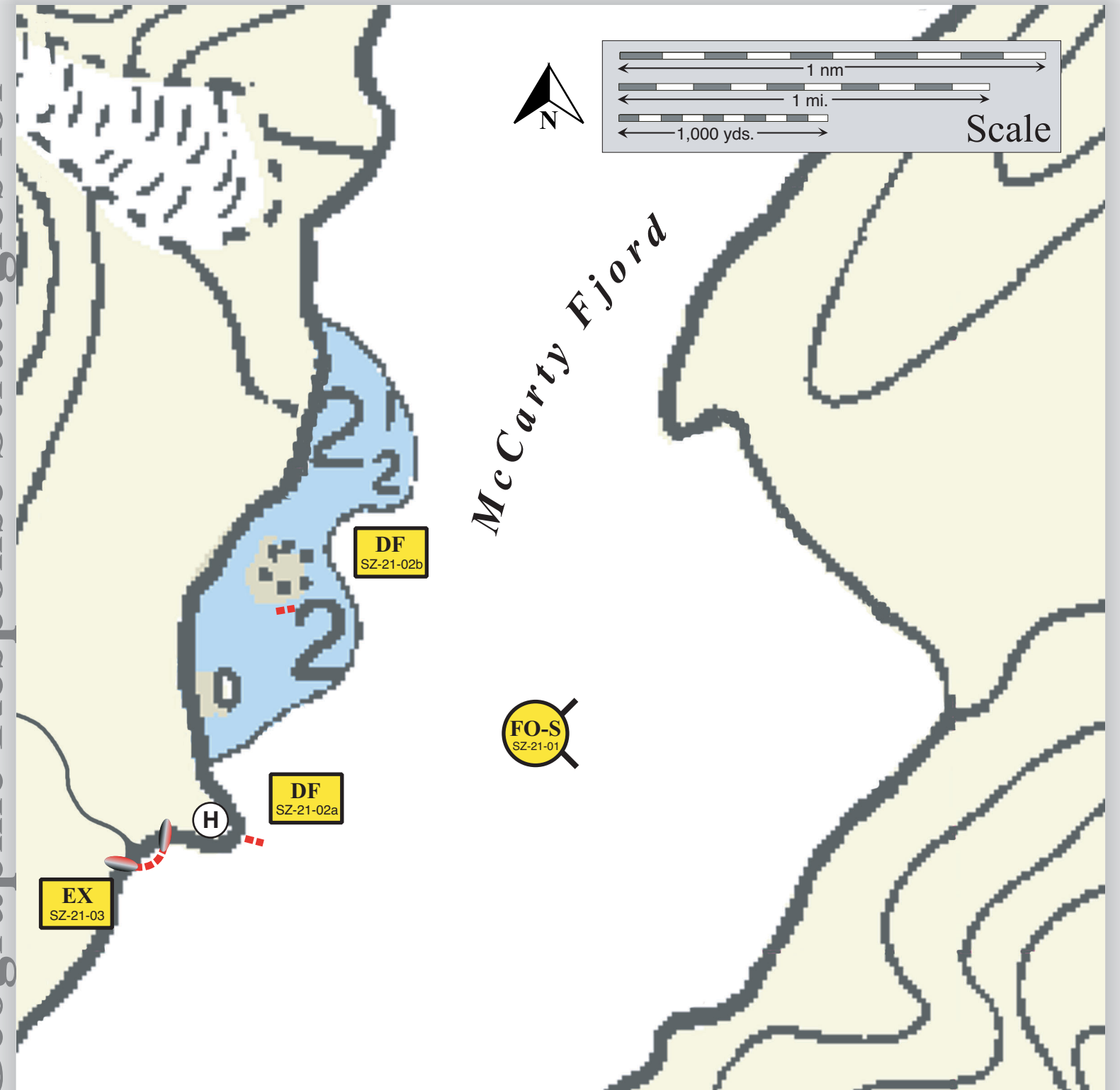


Helicopter Landing Zone

Nuka East Arm Rookery, SZ-21

Center of map at 59° 38.1' N Lat., 150° 18.8' 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-21-01 | Nuka East Arm Rookery Nearshore waters in the general area of: Lat. 59° 38.1 N Lon. 150° 18.8 W | Free-oil Recovery-Shallow Water Maximize free-oil recovery in the offshore & nearshore environment of Nuka East Arm Rookery depending on spill location and trajectory. | Deploy free-oil recovery strike teams upwind and up current of Nuka East Arm Rookery. 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-21-02 | Vessel master should have local knowledge. Site surveyed: 9/06/02 GRS WG |
| SZ-21-02 | Nuka East Arm Rookery a. Lat. 59° 37.59 N Lon. 150° 18.94 W b. Lat. 59° 38.78 N Lon. 150° 18.95 W | Deflection-Fixed Deflect oil from Nuka East Arm Rookery and back into the channel for collection. | Transport equipment to site by marine vessel (class 3/4). Deploy boom and anchor system with fishing vessel or skiff (class 3/4/6). Position boom (a) on the point of land south of the island and (b) just south of the island. Position booms at an appropriate angle to deflect oil from Nuka East Arm Rookery and set up for nearshore free-oil recovery. Tend throughout the tide. Boom lengths: a. 300 ft. b. 300 ft. | Deployment Equipment 600 ft. protected-water boom 7 ea. anchor systems (~40 lbs. 300 ft. anchor lines 2 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, helicopter Chart 16682-1 Responders must obtain an NPS Special Use Permit for GRS operations in Kenai Fjords National Park. This permit is on file with the NPS. | Marine mammals-seal haulout and pupping area, sea otter Birds-waterfowl concentration and nesting-harlequin, cormorant, shorebird nesting (May-Sept.), gull colony Human use- high recreational use | Vessel master should have local knowledge. NPS owns the lands around this site. REPORT any cultural resources found during operations to FOSC Historic Properties Specialist. Biting insects can present a response hazard. Contact NMFS before disturbing seals. Site surveyed: 9/06/02 GRS WG Tested: not yet |
| SZ-21-03 | Nuka East Arm Rookery Salmon Stream : Lat. 59° 37.54 N Lon. 149° 19.32 W | Exclusion Exclude oil from entering the salmon stream south of Nuka East Arm Rookery. | Transport equipment by vessel (class 2/3/4) from Seward. Deploy anchors and boom with fishing vessel and skiffs (class 3/4/6) Place tidal-seal boom and protected-water boom across the stream. Tend throughout the tide. | Deployment Equipment 600 ft. protected-water boom 2 section ≥50 ft. tidal-seal boom 6 ea. anchor systems (~40 lbs.) 4 ea. anchor stakes Vessels/Personnel/Shift Same as SZ-21-02 Tending Vessels/Personnel/Shift Same as SZ-21-02 | Vessel platform | Via marine waters, helicopter Chart 16682-1 Title 16 permitting from ADF&G required for this site. | Same as SZ-21-02 Fish-intertidal spawning, salmon, herring | Vessel master should have local knowledge. Site surveyed: 9/06/02 GRS WG Tested: not yet |