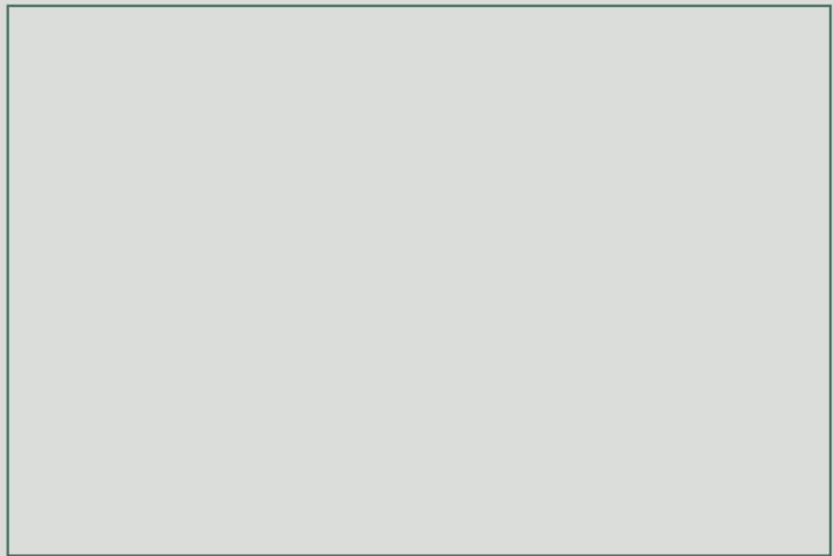
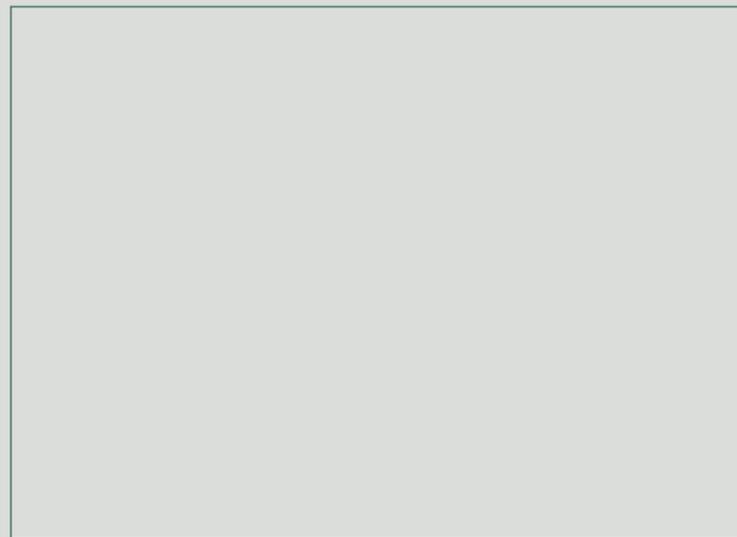


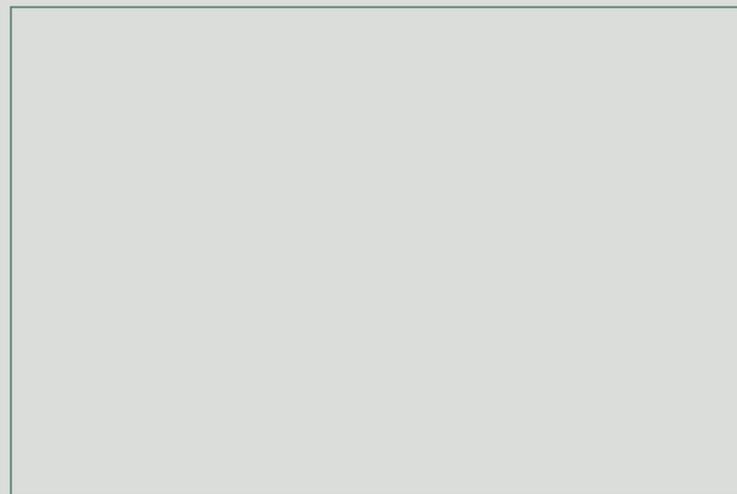
Map & Photo Legend



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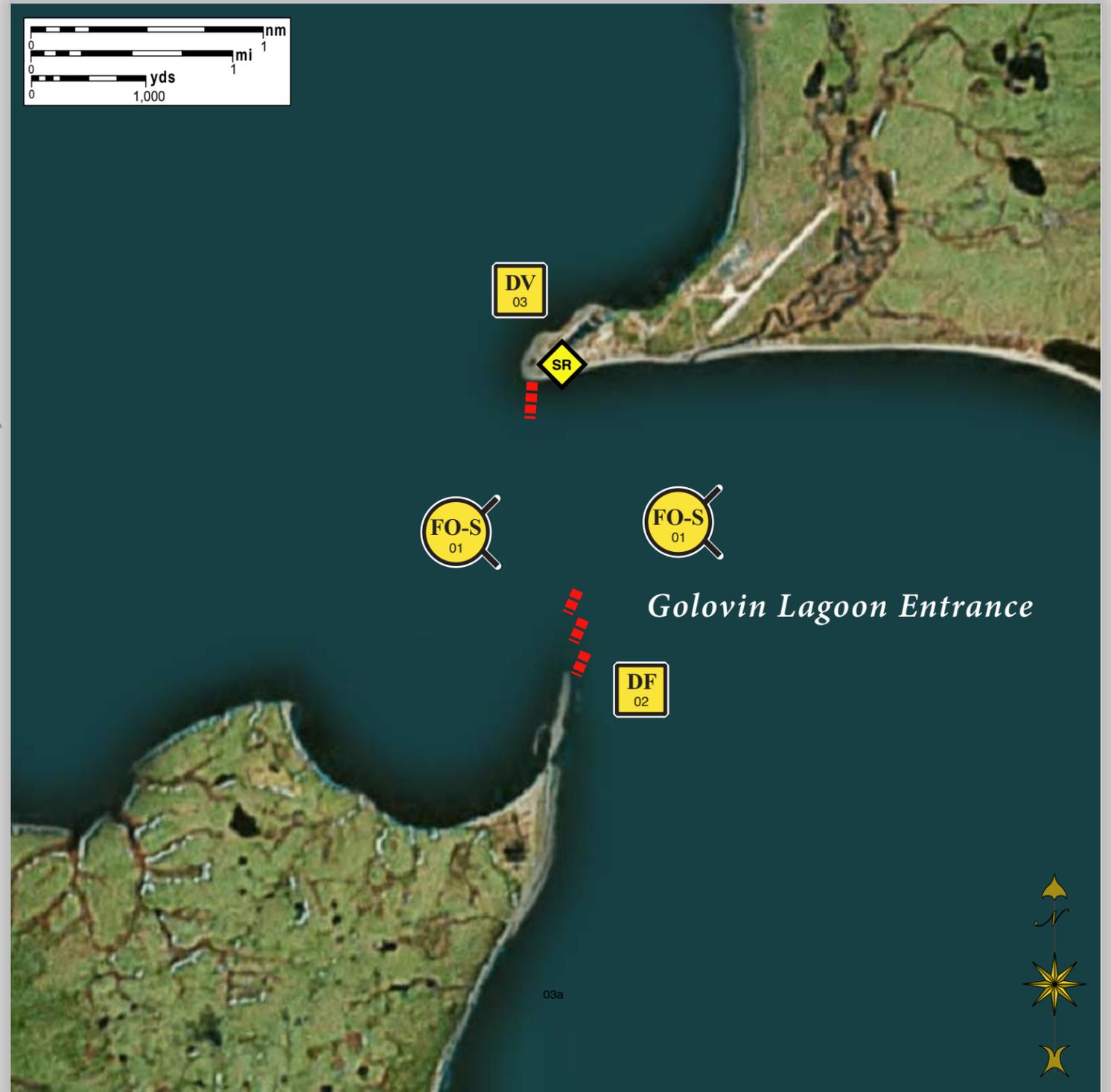
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-  Free-oil Recovery
-  Diversion Booming
-  Deflection Booming
-  Shoreside Recovery
-  Protected-water Boom

Geographic Response Strategies for Northwest Arctic Subarea, Southern Zone

Golovin Lagoon Entrance, NWA-S18

Center of map at 64° 31'54" N Lat., 163° 1'50" W Lon.



This is not intended for navigational use.

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
S-18-01 	Golovnin Bay Nearshore waters in the general area of: Lat. 64° 31.83 N Lon. 163°02.24 W	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Golovnin Bay depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Golovnin 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.	Golovnin	Via marine waters Chart 16200	Same as S-18-02	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks.
S-18-02 	Golovnin Bay- South Spit Lat. 64° 31.05 N Lon. 163°01.33 W	Deflection Deflect oil coming towards Golovnin Lagoon into the channel for free-oil recovery. If natural deflection is sufficient for Free-oil Recovery, deployment is not necessary.	Deploy boom and anchor system with skiffs (class 6). Position in a cascaded fashion 3 x 600 ft. of protected-water boom at a proper angle to deflect oil from the South Spit of Golovnin Bay. Tend throughout the tide.	Deployment Equipment 1800 ft. protected-water boom 18 ea. anchor systems Vessels 1 ea. class 3 1 ea. class 6 Personnel/Shift 5 ea. vessel crew 2 ea. response techs Tending Vessels 1 ea. class 6 Personnel/Shift 2 ea. vessel crew 1 ea. response techs	Golovnin	Via marine waters Chart 16200	Fish- intertidal spawning- herring, Chum Salmon, Pink Salmon, Saffon Cod, White Fish (July-Sept.) Birds-waterfowl concentration, shorebird concentration, seabird nesting Habitat- marsh, gravel beaches	Vessel master should have local knowledge. Site surveyed: Not surveyed. Tested: not yet
S-18-03 	Golovnin Bay Lat. 64° 31.41 N Lon. 163°02.43 W	Divert and Collect Divert oil to shore-side collection points determined by spill source and trajectory.	Deploy anchors and boom with skiffs (class 6). Place protected-water boom at proper angle to divert incoming oil to the collection site. Set-up collection site using shore-side collection units or if oil volume is minimal, use sorbent boom or snare line to provide collection of oil. Tend throughout the tide.	Deployment Equipment 1000 ft. protected-water boom 5 ea. small anchor systems 4 ea. anchor stakes 1 ea. shore-side collection units Vessels/Personnel/Shift Same as S-18-02 Tending Vessels/Personnel/Shift Same as S-18-02	Golovnin	Via marine waters Chart 16200	Same as S-18-02	Vessel master should have local knowledge. Take appropriate measures as outlined in Part 2 of this document to protect the beach at the collection site. A population of bears may be present in the area. A bear guard is required during shore operations. Tested: not yet

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the NWA Sub-Area Contingency Plan: http://dec.alaska.gov/spar/perp/plans/scp_nwa.htm.