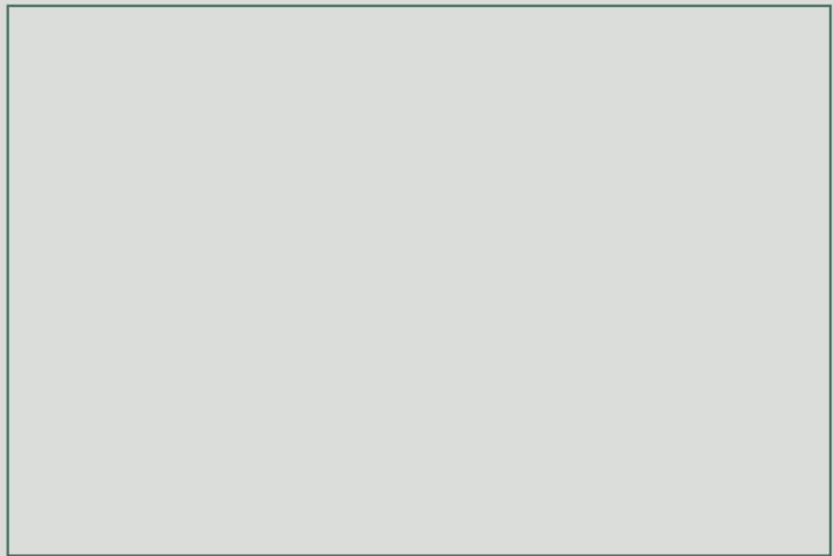
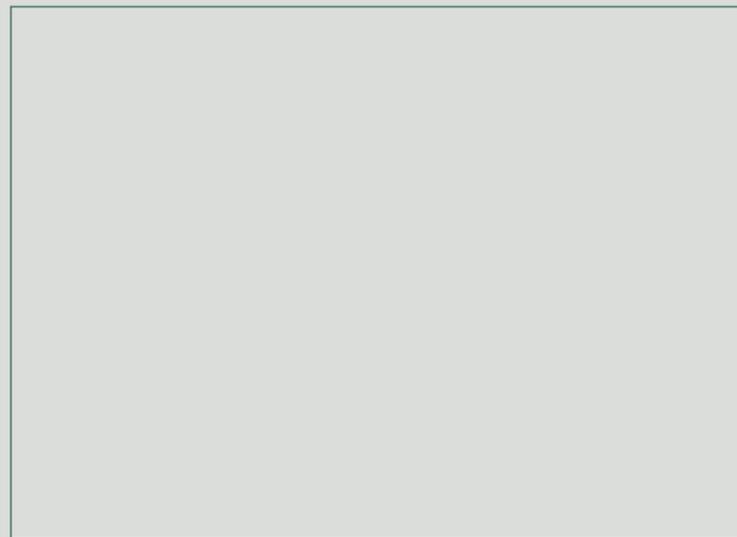


# Map & Photo Legend

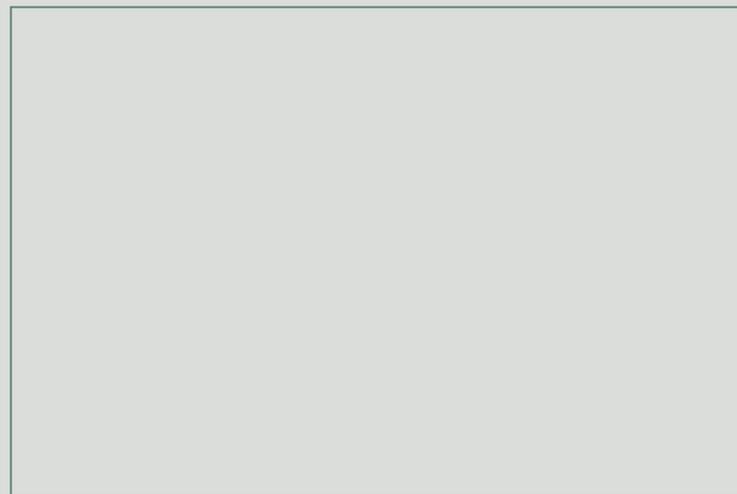


caption.



caption.

-  Free-oil Recovery
-  Exclusion Booming
-  Protected-water Boom

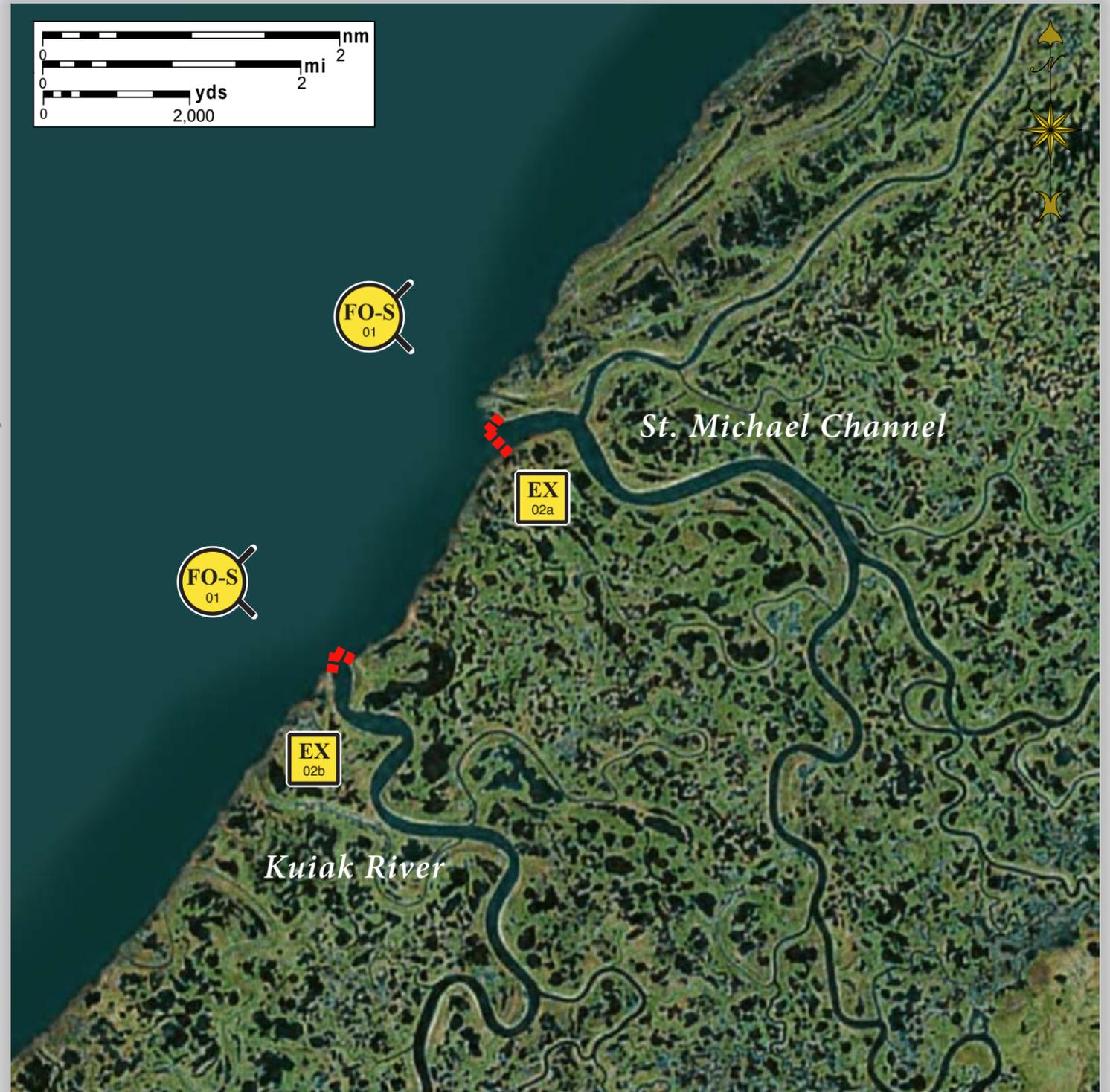


caption.

## Geographic Response Strategies for Northwest Arctic Subarea, Southern Zone

### St. Michael Channel & Kuiak River, NWA-S29

Center of map at 63° 23'4" N Lat., 162° 26'41" 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-29-01 	<b>St. Michael Channel &amp; Kulak River</b> Nearshore waters in the general area of: Lat. 63° 23.62 N Lon. 162°29.49 W	<b>Free-oil Recovery</b> Maximize free-oil recovery in the offshore & nearshore environment of St. Michael Channel & Kulak River depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of St. Michael Channel & Kulak River.  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.	Koyuk	Via marine waters Chart 16240	Same as S-29-02	Vessel master should have local knowledge.  Use extreme caution, shoal waters with numerous reefs and rocks.
S-29-02 	<b>St. Michael Channel &amp; Kulak River</b> a. Lat. 63° 23.99 N Lon. 162°24.98 W  b. Lat. 63° 22.29 N Lon. 162°26.91 W	<b>Exclusion</b> Exclude oil from impacting St. Michael Channel & Kulak River.	Deploy anchors and boom with skiffs (class 6).  Place and anchor the specified amount of protected-water boom at each location in a chevron pattern extending into the ocean.  If this strategy is unable to hold, deploy the array inside the entrance.  Tend throughout the tide.  <u>Boom Lengths:</u>  a. 1400 ft.  b. 1300 ft.	<b>Deployment Equipment</b> 2700 ft. protected-water boom 14 ea. anchor systems 8 ea. anchor stakes <b>Vessels</b> 1 ea. Class 3 1 ea. class 6 <b>Personnel/Shift</b> 5 ea. vessel crew <b>Tending Vessels</b> 1 ea. Class 3 1 ea. class 6 <b>Personnel/Shift</b> 3 ea. vessel crew	Vessel Platform	Via marine waters Chart 16240	Fish- Chinook, Chum, Coho, Pink, Sockeye Salmon(July-Sept.), Dolly Varden, White Fish  Birds-waterfowl concentration, seabird concentrations, shorebird concentration  Habitat- Low lying tundra, marsh, sheltered tidal flats, exposed tidal flats	Vessel master should have local knowledge.  Title 41 permitting required from ADNR.  A population of bears may be present in the area. A bear guard is required during shore operations.  Site Survey: Not surveyed  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](http://dec.alaska.gov/spar/perp/plans/scp_nwa.htm).