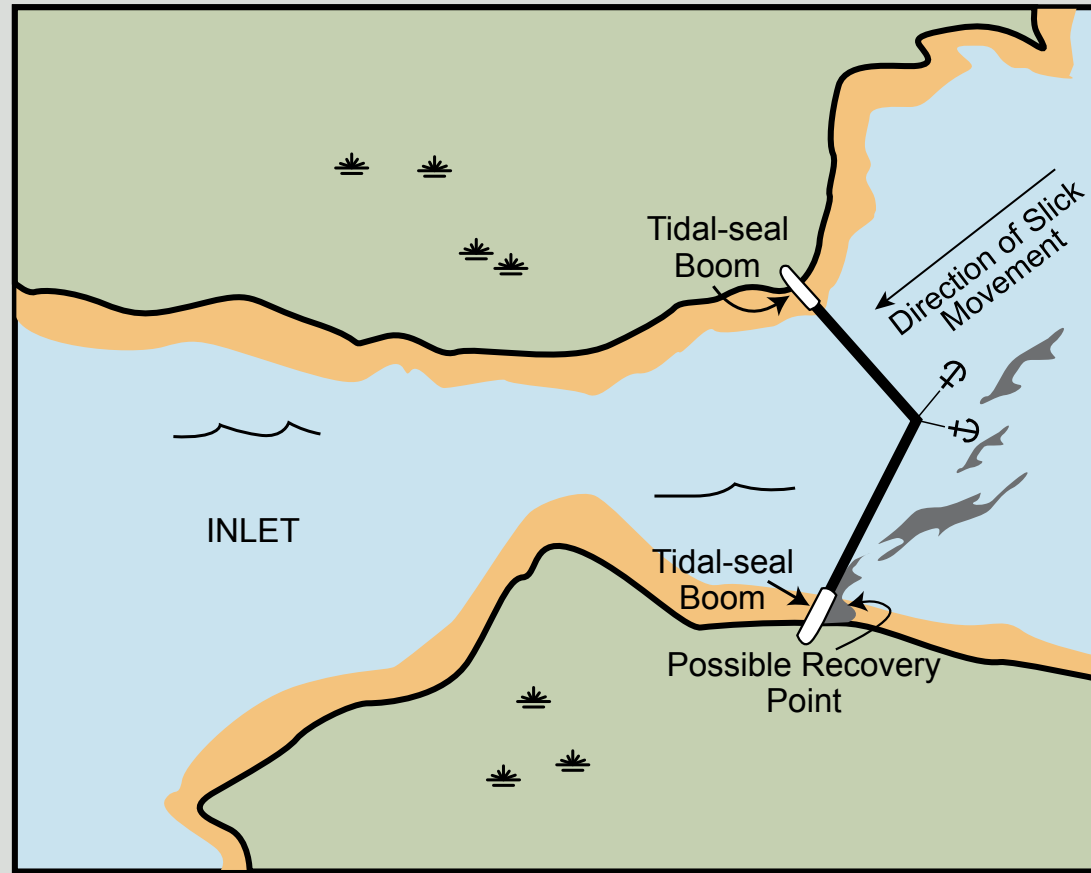






An example of the *Exclusion Booming Tactic*. Actual deployment should be adjusted for local conditions.



Map Legend

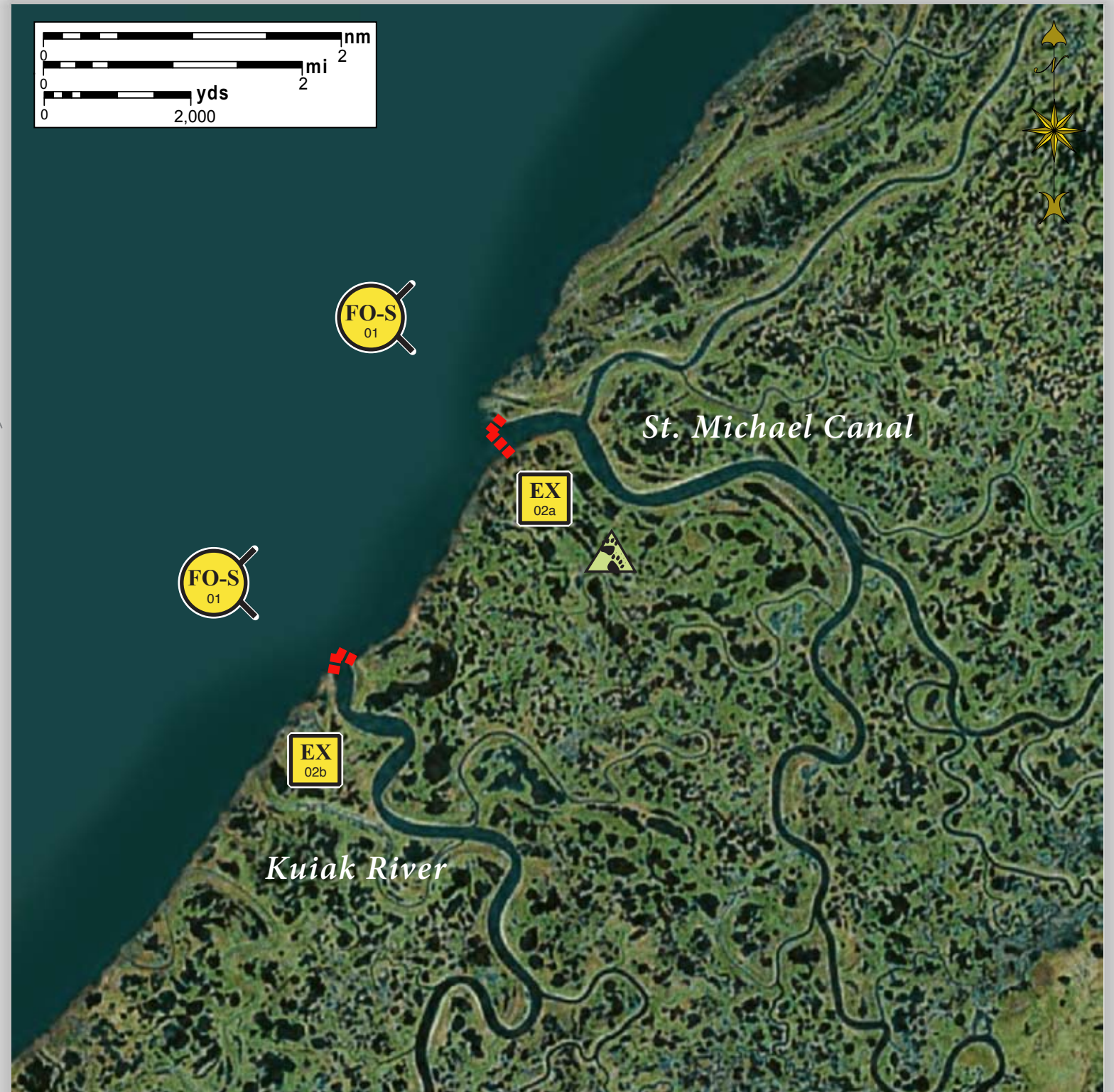
-  Free-oil Recovery
-  Exclusion Booming
-  Protected-water Boom
-  Bears in Area, Guards Recommended

Aerial photography of this area is unavailable at this time, but may be included as it becomes available.



Geographic Response Strategies for Northwest Arctic Subarea, Southern Zone

St. Michael Canal & 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 	St. Michael Canal & Kuiak River Nearshore waters in the general area of: Lat. 63° 23.62 N Lon. 162°29.49 W	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of St. Michael Canal & Kuiak River depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of St. Michael Canal & Kuiak 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.	Stebbins	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 	St. Michael Canal & Kuiak River a. Lat. 63° 23.99 N Lon. 162°24.98 W b. Lat. 63° 22.29 N Lon. 162°26.91 W	Exclusion Exclude oil from impacting St. Michael Canal & Kuiak 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.	Deployment Equipment 2700 ft. protected-water boom 14 ea. anchor systems 8 ea. anchor stakes Vessels 1 ea. Class 3 1 ea. class 6 Personnel/Shift 5 ea. vessel crew Tending Vessels 1 ea. Class 3 1 ea. class 6 Personnel/Shift 3 ea. vessel crew	Vessel Platform	Via marine waters Chart 16240	Fish- chinook, chum, coho, pink, sockeye salmon, dolly varden Birds-waterfowl concentration, seabird concentrations, shorebird concentration Habitat- Low lying tundra, marsh, sheltered tidal flats, exposed tidal flats Human use-subsistence, commercial fishing	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. REPORT any cultural resources found during operations to the FOSC Historic Properties Specialist. Threatened or endangered species/habitat is present or possible in the area. Consult with NOAA and DOI prior to deployment. 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.