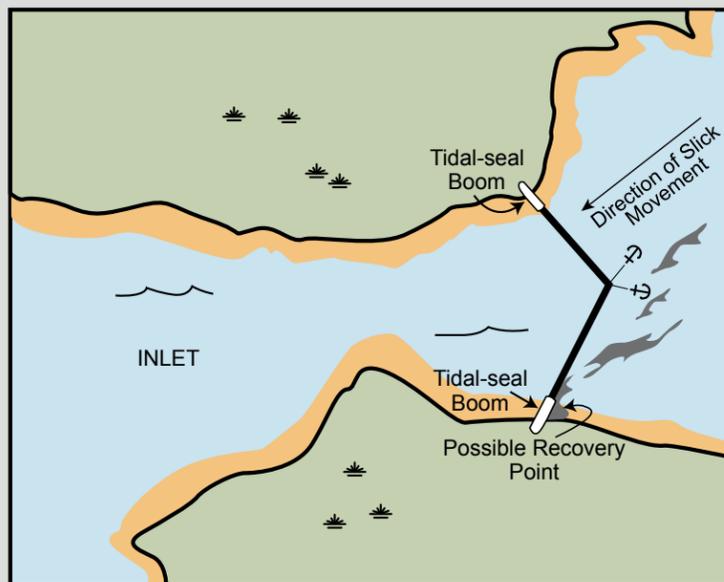


An example of the *Passive Recovery Tactic*. Actual deployment should be adjusted for local conditions.



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

Map Legend

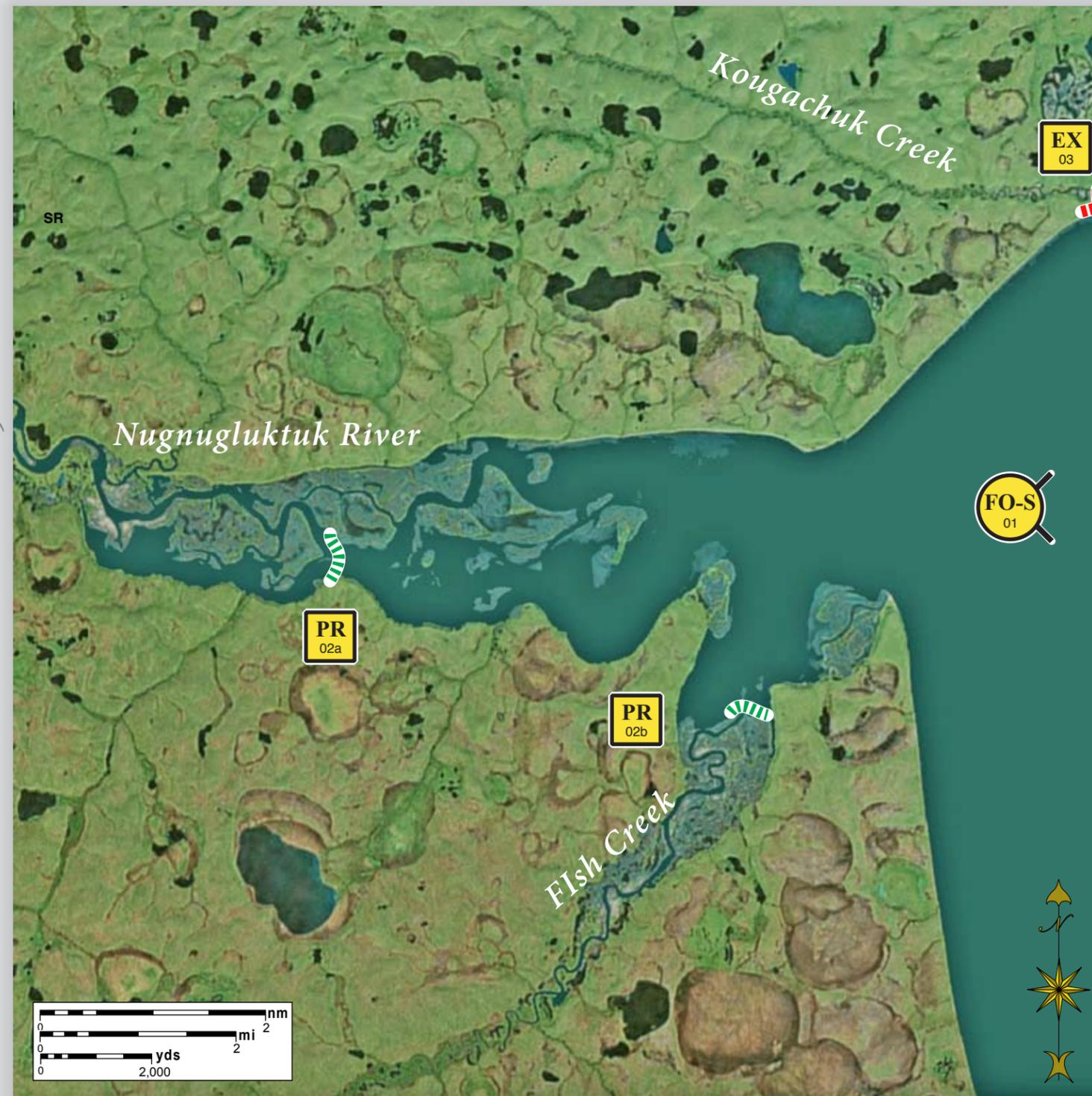
FO-S	Free-oil Recovery	Protected-water Boom
PR	Passive Recovery	Snare or Sorbent Boom
EX	Exclusion Booming	Bears in Area, Guards Recommended

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, Northern Zone

Nugnugluktuk River & Kougachuk Creek, NWA-N22

Center of map at 66° 13'20" N Lat., 163° 54'23" 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
N-22-01 	Nugnugluktuk River & Kougachuk Creek Nearshore waters in the general area of: Lat. 66° 12.2 N Lon. 163°47.9 W	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Nugnugluktuk River & Kougachuk Creek depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Nugnugluktuk River & Kougachuk Creek. 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.	Deering	Via marine waters Chart 16005	Same as N-22-02	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks.
N-22-02 	Nugnugluktuk River a. Lat. 66° 11.40 N Lon. 164° 5.70 W Fish Creek b. Lat. 66° 10.87 N Lon. 163°56.74 W	Passive Recovery Keep oil from entering the Nugnugluktuk River and Fish Creek. Place passive recovery across the channels of the streams in Ipiavik Lagoon.	Place and anchor snare line or sorbent boom across the channels of streams in Nugnugluktuk River and Fish Creek. Replace as necessary to maximize the recovery. <u>Boom Length:</u> a. 2000 ft. b. 1800 ft.	Deployment Equipment 3800 ft. snare line or sorbent boom 8 ea. anchor systems 4 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 16005	Fish- herring spawning, pink salmon, arctic char Birds-waterfowl concentration, seabird nesting Habitat- marsh, sheltered rocky shore, gravel beaches	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks. A population of bears may be present in the area. A bear guard is required during shore operations. FOSC Historic properties specialist should INSPECT site prior to operations.
N-22-03 	Kougachuk Creek Lat. 66° 15.43 N Lon. 163°50.59 W	Exclusion Exclude oil from impacting the channels leading into the Kougachuk Creek.	Deploy anchors and boom with skiffs (class 6). Place the specified amount of protected-water boom in a slight chevron pattern across the entrance to the creek. If sea state and surf condition preclude a deployment at the entrance, move the boom inside the entrance. Tend throughout the tide.	Deployment Equipment 300 ft. protected-water boom 1 ea. anchor systems 4 ea. anchor stakes Vessels/Personnel/Shift Same as N-22-02 Tending Vessels/Personnel/Shift Same as N-22-02	Vessel Platform	Via marine waters Chart 16005	Same as N-22-02	Vessel master should have local knowledge. Surveyed: not yet Title 41 permitting required from ADNR. Threatened or endangered species/habitat is present or possible in the area. Consult with NOAA and DOI prior to deployment. 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.