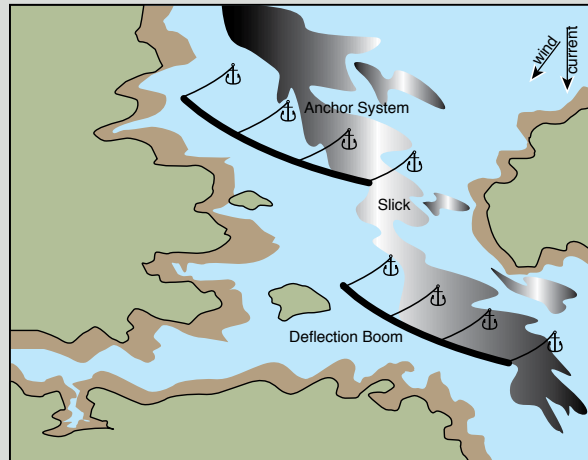


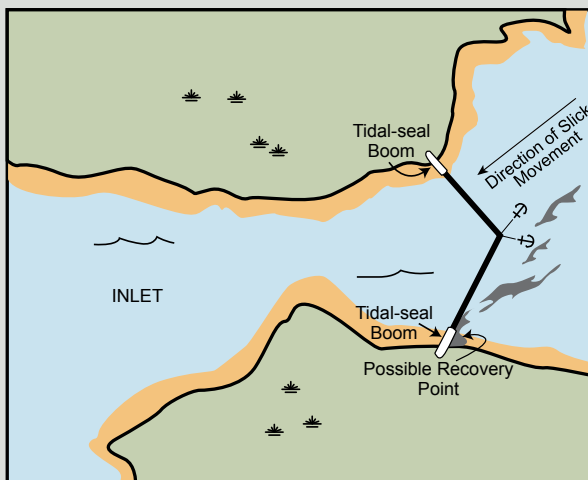
# Koyuk Inlet, NWA-S22

Center of map at 64° 53'31" N Lat., 161° 10'10" W Lon.

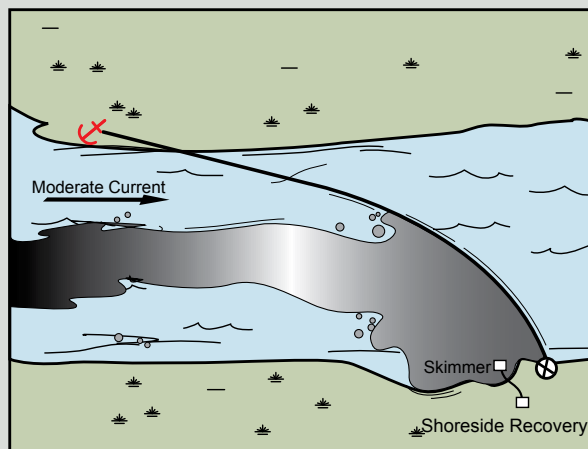
## Geographic Response Strategies for Northwest Arctic Subarea, Southern Zone



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



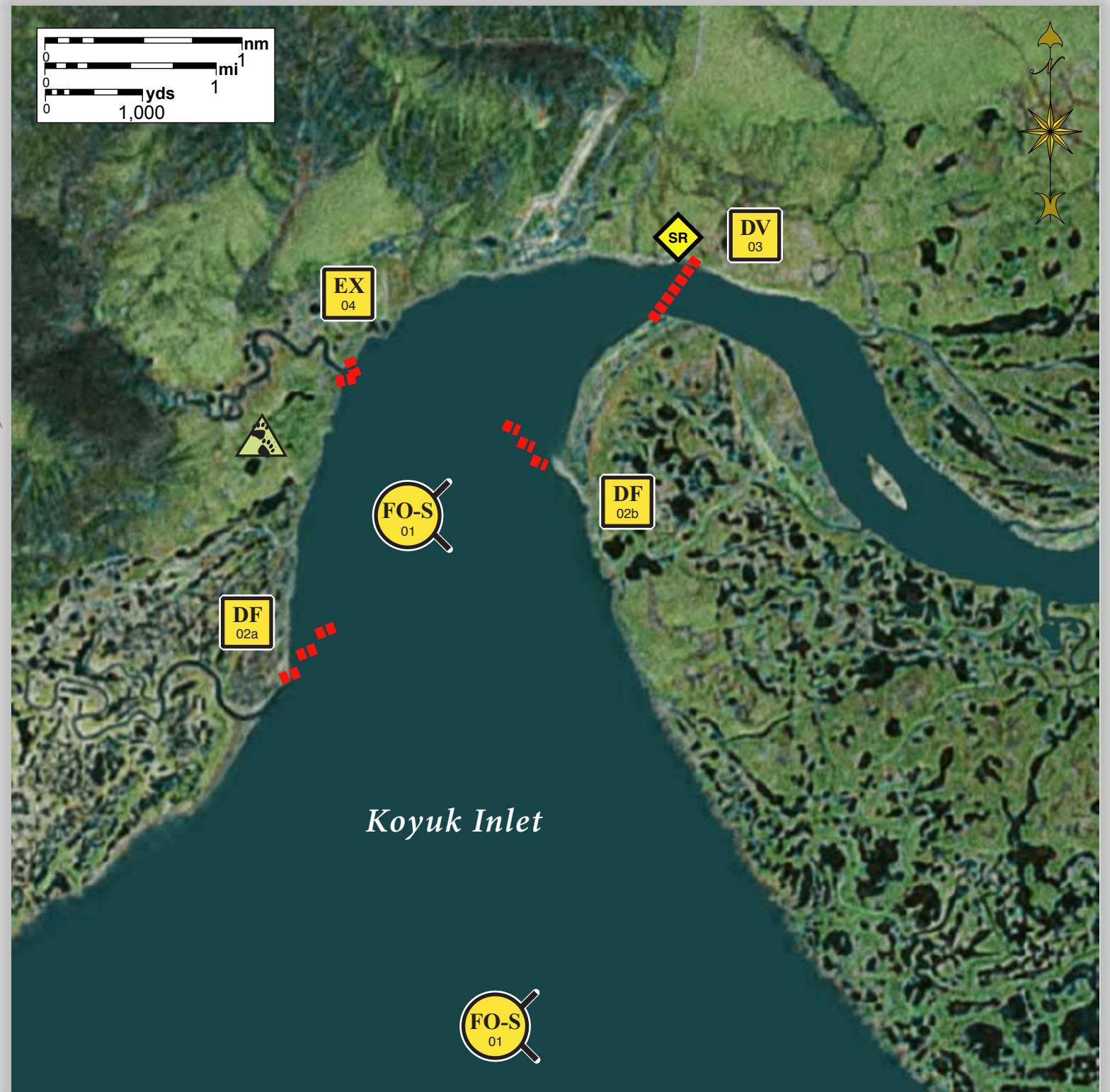
An example of the *Exclusion Booming Tactic*. Actual deployment should be adjusted for local conditions.



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





### Legend

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



This is not intended for navigational use.

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

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
S-22-01 	<b>Koyuk Inlet</b> Nearshore waters in the general area of:  Lat. 64° 53.98 N Lon. 161°10.37 W	<b>Free-oil Recovery</b> Maximize free-oil recovery in the offshore & nearshore environment of Koyuk Inlet depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Koyuk Inlet.  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 16200	Same as S-22-02	Vessel master should have local knowledge.  Use extreme caution, shoal waters with numerous reefs and rocks.
S-22-02 	<b>Koyuk Inlet</b> a. Lat. 64° 53.43 N Lon. 161°12.15 W b. Lat. 64° 54.05 N Lon. 161° 7.58 W	<b>Deflection</b> Deflect oil coming towards Koyuk Inlet 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).  Establish the actual location of the array based on oil trajectory.  At both sites, (a) & (b) cascade 3 x 300 ft. sections of protected-water boom at a proper angle to deflect oil from the shoreline of Koyuk Inlet.  Tend throughout the tide.	<b>Deployment Equipment</b> 1800 ft. protected-water boom 18 ea. anchor systems <b>Vessels</b> 1 ea. class 3 2 ea. class 6 <b>Personnel/Shift</b> 7 ea. vessel crew 2 ea. response techs <b>Tending Vessels</b> 1 ea. class 6 <b>Personnel/Shift</b> 2 ea. vessel crew 1 ea. response techs	Vessel Platform	Via marine waters  Chart 16200	Fish-herring, chinook, chum, coho, pink salmon, dolly varden, white fish  Birds-waterfowl concentration, seabird concentrations, shorebird concentration  Habitat- sheltered tidal flats, marsh, gravel beaches  Human use-subsistence	Vessel master should have local knowledge.  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
S-22-03 	<b>Koyuk Inlet</b> Lat. 64° 55.84 N Lon. 161° 7.23 W	<b>Divert and Collect</b> 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, attempt cascade array.  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.	<b>Deployment Equipment</b> 2500 ft. protected-water boom 12 ea. anchor systems 4 ea. anchor stakes 1 ea. shore-side collection units <b>Vessels/Personnel/Shift</b> Same as S-22-02 <b>Tending Vessels/Personnel/Shift</b> Same as S-22-02	Koyuk	Via marine waters  Chart 16200	Same as S-22-02	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.  Title 41 permit may be required from ADNR.  FOSC Historic properties specialist should INSPECT site prior to operations.
S-22-04 	<b>Muktukulik River</b> Lat. 64° 55.04 N Lon. 161°11.75 W	<b>Exclusion</b> Exclude oil from impacting Muktukulik River and the lagoon.	Deploy anchors and boom with skiffs (class 6).  Place and anchor 200 ft. of protected-water boom 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.	<b>Deployment Equipment</b> 200 ft. protected-water boom 1 ea. anchor systems 4 ea. anchor stakes <b>Vessels/Personnel/Shift</b> Same as S-22-02 <b>Tending Vessels/Personnel/Shift</b> Same as S-22-02	Vessel Platform	Via marine waters  Chart 16200	Same as S-22-02	Vessel master should have local knowledge.  A population of bears may be present in the area. A bear guard is required during shore operations.  Title 41 permitting required from ADNR.

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).