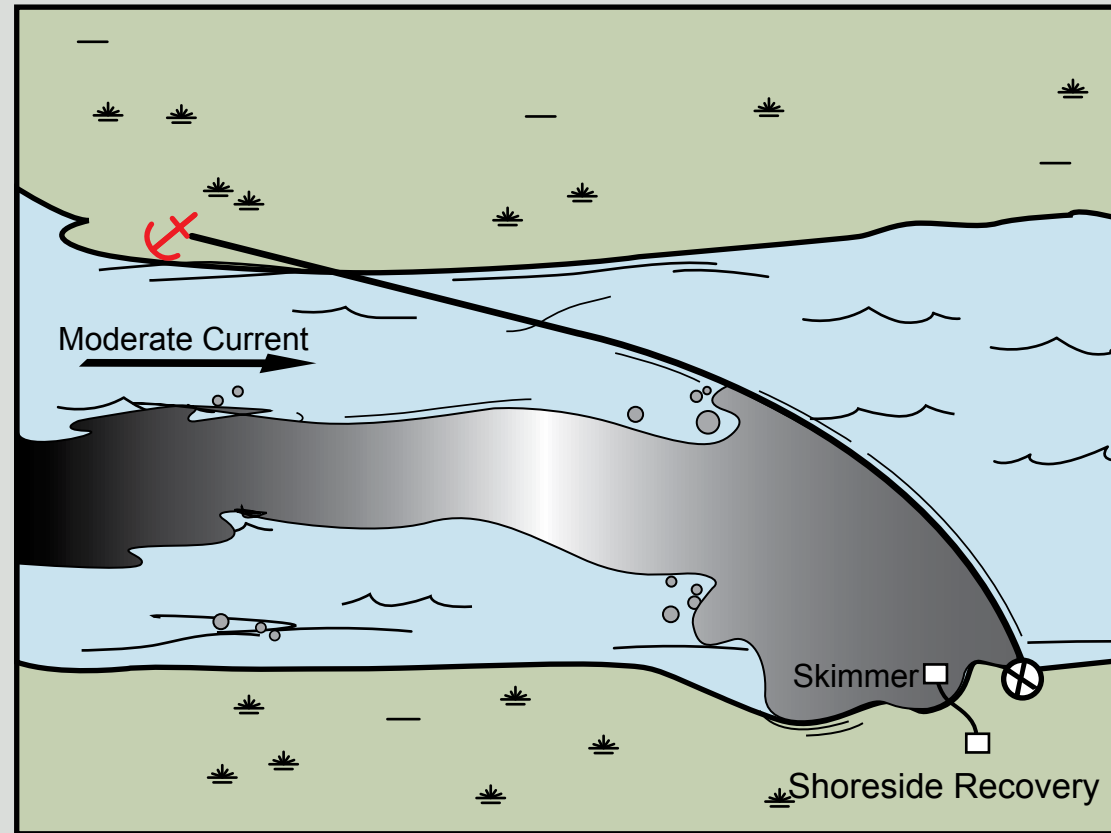


An example of the *Diversion Booming Tactic*. Actual deployment should be adjusted for local conditions.



Map Legend

- Free-oil Recovery
- Diversion Booming
- Shoreside Recovery
- 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

Kwiniuk River, NWA-S19

Center of map at 64° 41'47" N Lat., 162° 1'55" 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-19-01 	Kwiniuk River Nearshore waters in the general area of: Lat. 64° 40.43 N Lon. 162° 2.20 W	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Kwiniuk River depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Kwiniuk 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.	Elim	Via marine waters Chart 16200	Same as S-19-02	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks.
S-19-02 	Kwiniuk River Lat. 64° 41.34'N Lon. 162°03.04'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 650 ft. protected-water boom 3 ea. small anchor systems 4 ea. anchor stakes 1 ea. shore-side collection units Vessels 1 ea. class 3 1 ea. class 6 Personnel/Shift 5 ea. vessel crew 2 ea. response techs Tending Vessels 1 ea. class 3 1 ea. class 6 Personnel/Shift 3 ea. vessel crew 2 ea. response tech	Elim	Via marine waters Chart 16200	Fish- chinook, chum, coho, pink salmon, dolly varden, white fish Birds-waterfowl concentration, seabird concentration Habitat- sheltered tidal flats, marsh, gravel beaches Human uses- subsistence	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. Threatened or endangered species/habitat is present or possible in the area. Consult with NOAA and DOI prior to deployment. FOSC Historic properties specialist should INSPECT site prior to operations. Take appropriate measures as outlined in the STAR Manual to protect the beach at the collection site. 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.