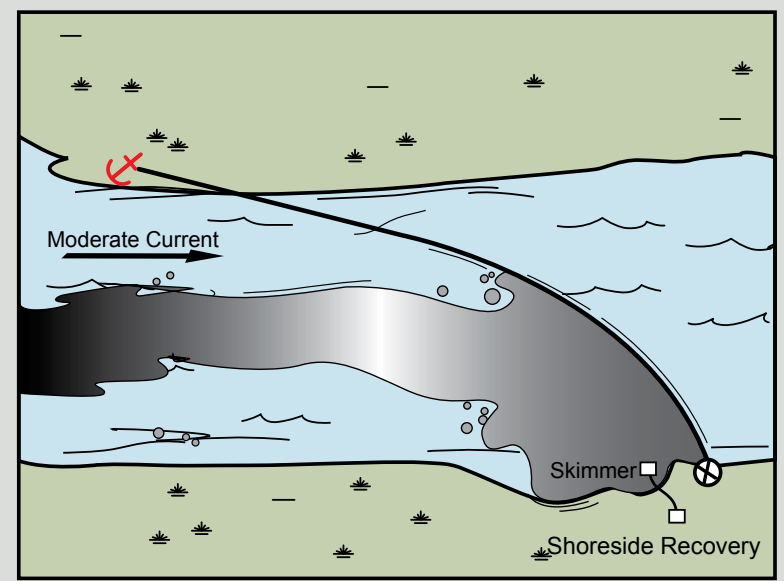


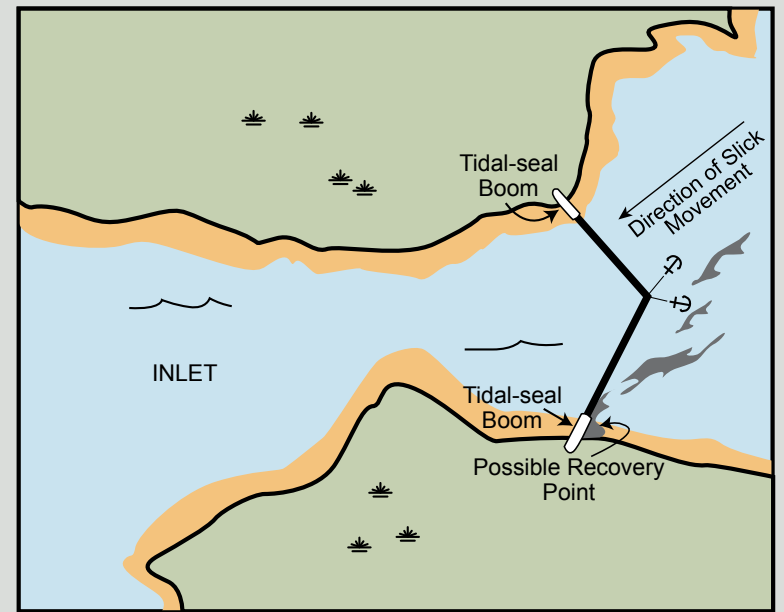
Jade Creek & Kotlik Lagoon, NWA-N07

Center of map at 67° 20'26" N Lat., 163° 48'57" W Lon.

Geographic Response Strategies for Northwest Arctic Subarea, Northern Zone



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

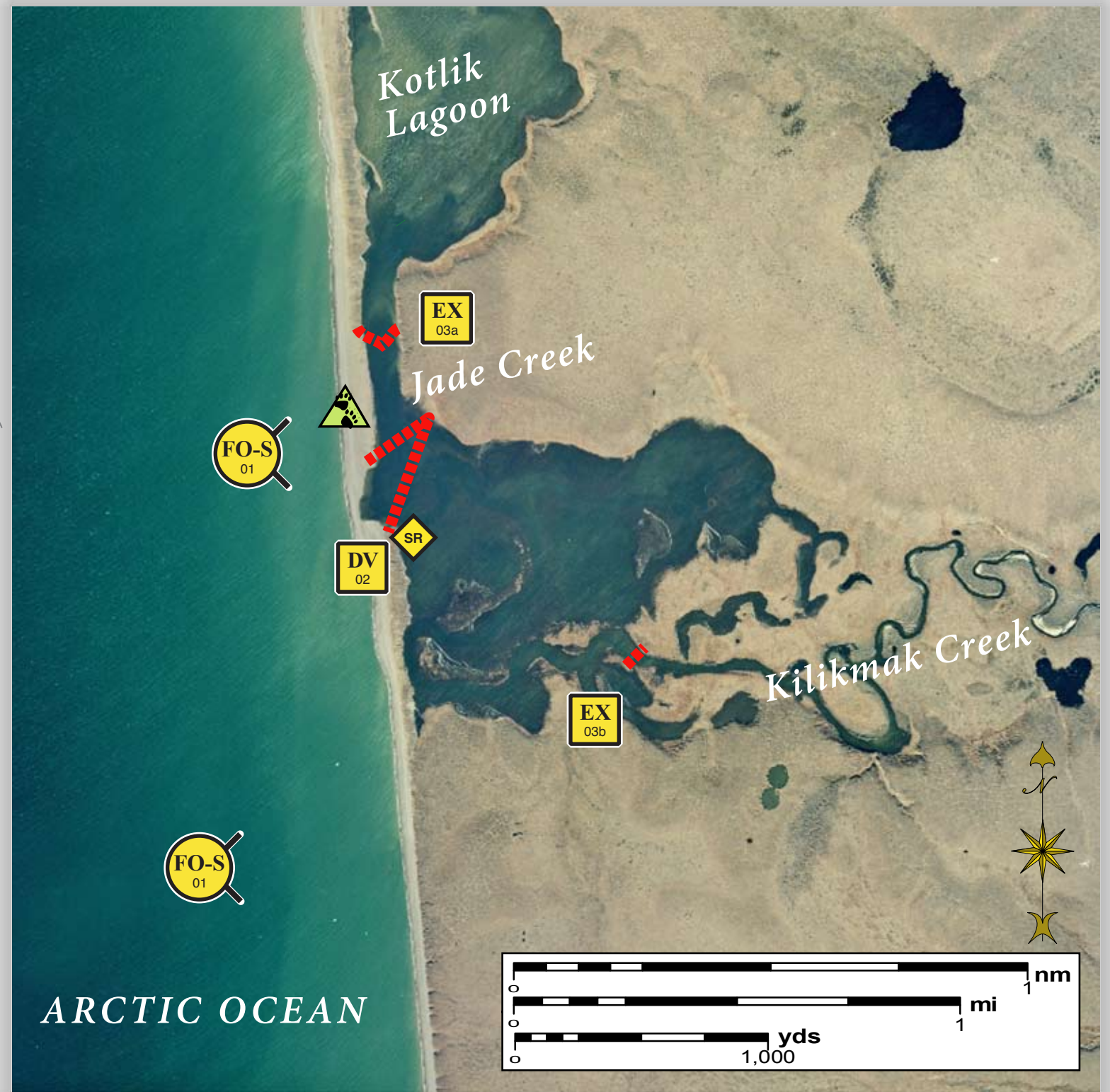


An example of the **Exclusion Booming Tactic**. Actual deployment should be adjusted for local conditions.




Map Legend

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

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



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-07-01 	Jade Creek & Kotlik Lagoon Nearshore waters in the general area of: Lat. 67° 20.38'N Lon. 163°53.17'W	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Jade Creek depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Jade 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.	Delong Mnt. Transportation System Dock. (Red Dog Mine Dock)	Via marine waters Chart 16005	Same as N-07-02	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous shifting sand bars.
N-07-02 	Jade Creek & Kotlik Lagoon Entrance Lat. 67° 20.75'N Lon. 163°49.24'W	Divert and Collect Divert oil to shore-side collection points determined by spill source and trajectory. The entrance to the creek and lagoon may change seasonally and large storms may open the lagoon in other areas on the barrier beach. Aerial survey recommended prior to deployment.	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 850 ft. protected-water boom 5 ea. small anchor systems 8 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	Vessel Platform	Via marine waters Chart 16005	Fish- dolly varden char, white fish, rainbow smelt, saffron cod Birds-shorebird concentration Marine mammals- polar bears Habitat- Low lying tundra, marsh, gravel beaches, sheltered rocky shore	Vessel master should have local knowledge. 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. Survey: not yet. Tested: not yet
N-07-03 	Jade Creek & Kotlik Lagoon a. Lat. 67° 20.94 N Lon. 163°49.17 W b. Lat. 67° 20.77 N Lon. 163°48.86 W	Exclusion Exclude oil from entering Jade Creek & Kotlik Lagoon. Aerial survey of the lower lagoon is recommended. Adjust tactics to accommodate any shift in channels.	Deploy anchors and boom with skiffs (class 6). Exclude the entrance to the Kotlik Lagoon and Jade Creek with 650 ft. of protected-water boom. Place in a chevron pattern extending in river. If this strategy is unable to hold, back the boom up the channel until the array can hold. Tend throughout the tide. <u>Boom Lengths:</u> a. 400 ft. b. 300 ft.	Deployment Equipment 700 ft. protected-water boom 3 ea. small anchor systems 8 ea. anchor stakes Vessels/Personnel/Shift Same as N-04-02 Tending Vessels/Personnel/Shift Same as N-04-02	Vessel Platform	Via marine waters Chart 16005	Same as N-07-02	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.

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.