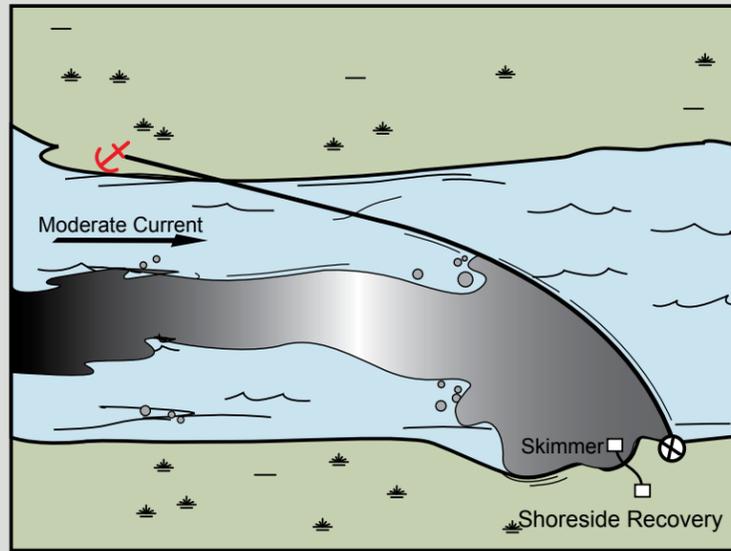


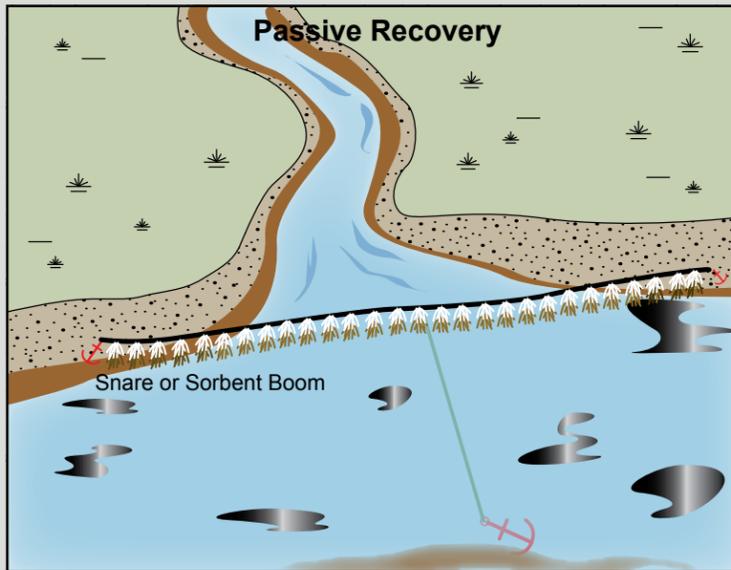
Asipak River & Lagoon, NWA-N03

Center of map at 67° 50'32" N Lat., 164° 50'2" 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.

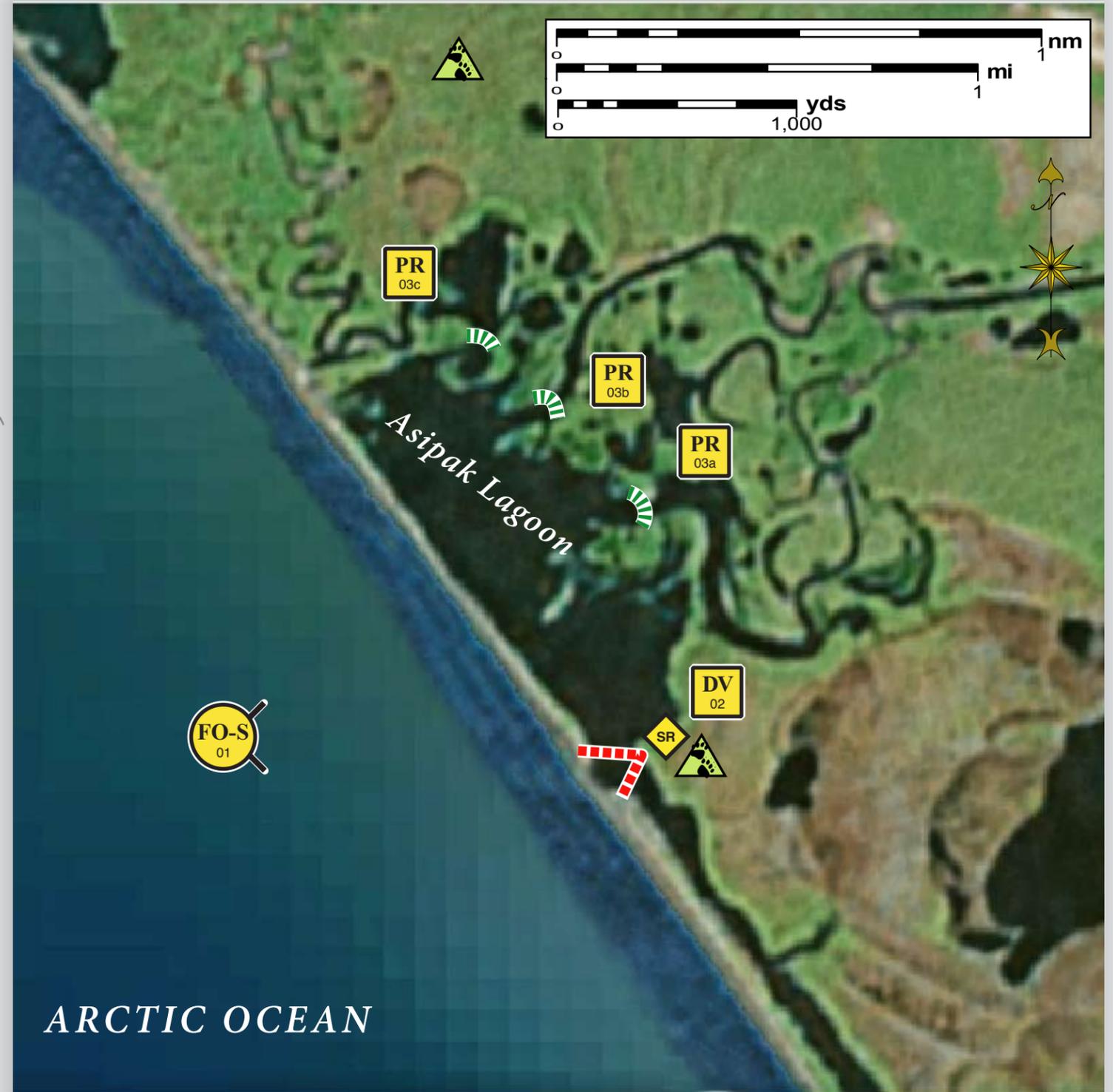


An example of the *Passive Recovery Tactic*. Actual deployment should be adjusted for local conditions.

Map Legend

	Free-oil Recovery		Protected-water Boom
	Diversion Booming		Snare or Sorbent Boom
	Passive Recovery		Bears in Area, Guards Recommended
	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-03-01 	Apisak Lagoon & River Nearshore waters in the general area of: Lat. 67° 50.6 N Lon. 164°51.1 W	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Apisak Lagoon & River depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Apisak Lagoon & 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.	Kivalina	Via marine waters Chart 16005	Same as N-03-02	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks.
N-03-02 	Apisak Lagoon Entrance & River Lat. 67° 50.56 N Lon. 164°49.80 W	Divert and Collect Divert oil to shore-side collection points determined by spill source and trajectory. The entrance to the 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 in a chevron pattern from the beach to the shore opposite the opening. 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 1200 ft. protected-water boom 7 ea. small anchor systems 8 ea. anchor stakes 200 ft. snare line or sorbent boom or 2 ea. shore-side collection units Vessels 1 ea. class 3 1 ea. class 6 1 ea. helicopter (if needed for N-03-03) 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	Kivalina	Via marine waters Chart 16005	Fish- herring spawning, Arctic Char Birds- shorebird concentration Marine mammals- polar bears Habitat- Low lying tundra, marsh, sheltered tidal flats Human Use: subsistence	Vessel master should have local knowledge. 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. Take appropriate measures as outlined in the STAR Manual to protect the beach at the collection site. Surveyed: not yet Tested: not yet
N-03-03 	Apisak Lagoon a. Lat. 67° 51.08 N Lon. 164°50.00 W b. Lat. 67° 51.24 N Lon. 164°50.63 W c. Lat. 67° 51.35 N Lon. 164°51.03 W	Passive Recovery The lagoon is closed to direct ocean access. If storms threaten to breach the barrier beach place passive recovery across the channels of the streams in Apisak Lagoon. The lagoon may not be accessible with skiffs. Helicopter deploy when not accessible.	Place and anchor snare line or sorbent boom across the channels of streams in Apisak Lagoon. Replace as necessary to maximize the recovery.	Deployment Equipment 900 ft. snare line or sorbent boom 8 ea. anchor systems 4 ea. anchor stakes Vessels/Personnel/Shift Same as N-03-02 Tending Vessels/Personnel/Shift Same as N-03-02	Kivalina	Via marine waters Chart 16005	Same as N-03-02	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.

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.