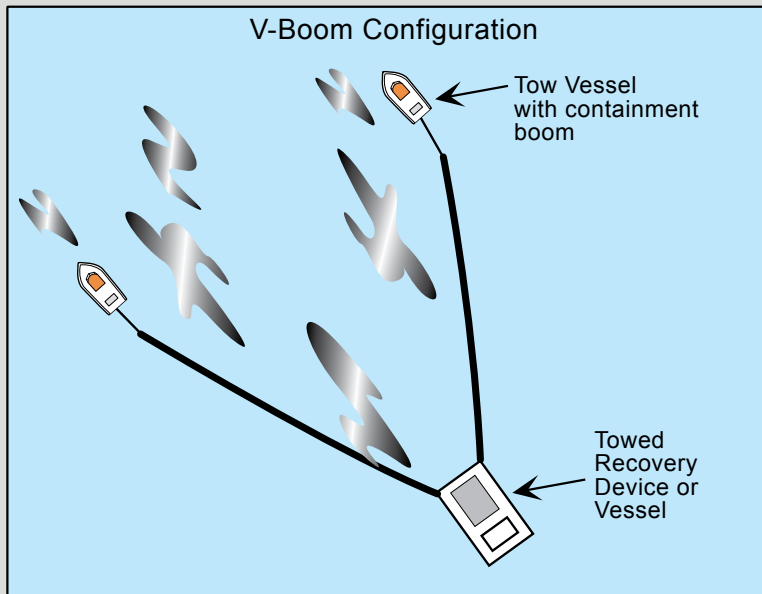


An example of the *Deflection Booming Tactic*. Actual deployment should be adjusted for local conditions.



An example of the *Free-oil Recovery*. Actual deployment should be adjusted for local conditions.

**Map Legend**

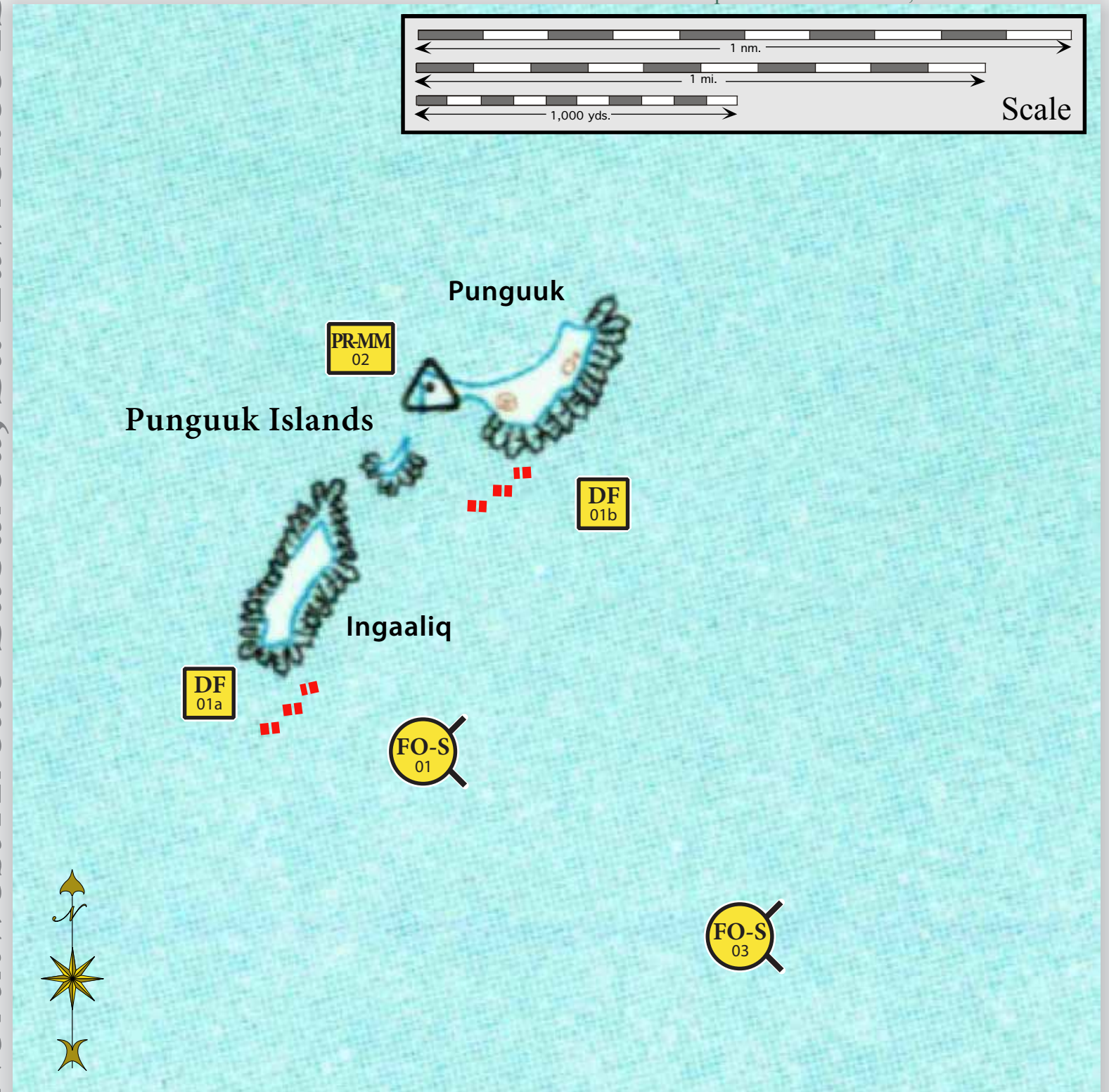
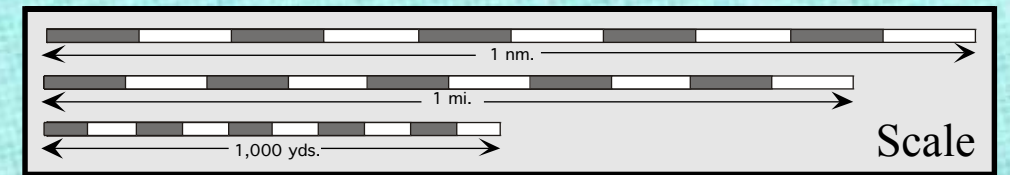
	Free-oil Recovery		Passive Recovery - Marine Mammals
	Deflection Booming		Protected-water Boom

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, St. Lawrence IS Zone

## Punguuk Islands, NWA-SL11

Center of map at 63° 04.56' N Lat., 168° 49.41' W Lon.



This is not intended for navigational use.

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected	Special Considerations
SL-11-01 	<b>Punuk/Punguuk Islands</b> <b>Ingaaliq</b> a. Lat. 63° 03.56 N Lon. 168°50.09 W <b>Punguuk</b> b. Lat. 63° 04.41 N Lon. 168°48.19 W	<b>Deflection</b> Deflect oil coming towards Punuk/Punguuk Islands into the open water for free-oil recovery.  If oil is not immediately threatening the Islands, withhold deployment.	Deploy boom and anchor system with skiffs (class 6).  Position in a cascaded fashion 3 x 300 ft. of protected-water boom at a proper angle to deflect oil from the Punuk/Punguuk Islands area.  Tend throughout the tide.	<b>Deployment</b> <b>Equipment</b> 1800 ft. protected-water boom 18 ea. anchor systems <b>Vessels</b> 1 ea. class 3 1 ea. class 6 <b>Personnel/Shift</b> 5 ea. vessel crew 2 ea. response techs <b>Tending</b> <b>Vessels</b> 1 ea. class 6 <b>Personnel/Shift</b> 2 ea. vessel crew 1 ea. response techs	Vessel Platform	Via marine waters  Chart 16006_1	Birds- shorebird concentration, waterfowl concentration,  Marine mammals- seals, walrus, sea lion  Habitat-rocky shore, gravel beaches  Human Uses – subsistence, birds, marine mammals	Vessel master should have local knowledge.  Consult the ADEC “Spill Tactics for Alaska Responders” manual for additional information on the deployment of these tactics.  Surveyed: not yet  Tested: not yet
SL-11-02 	<b>Punuk/Punguuk</b> Actual location of this protection strategy will depend on field assessment at the time of deployment.	<b>Passive Recovery-MM</b> Minimize impact to marine mammal haulouts.  Deploy after consulting with NMFS and local knowledge regarding the locations of haul outs.	Broadcast sorbent material on the walrus and Sea Lion haulout immediately prior to or after oil spill impact.  Monitor after each high tide and replace as necessary.  Minimize disturbance of marine mammals.	<b>Deployment</b> <b>Equipment</b> Broadcast sorbent materials 1 ea. broadcasting system <b>Vessels/Personnel/Shift</b> Same as SL-11-01 <b>Tending</b> <b>Vessels/Personnel/Shift</b> Same as SL-11-01	Vessel platform	Via marine waters  Chart 16006_1	Same as SL-11-01	Small cabins on the shore may provide support.  Consult with the National Marine Fisheries Service prior to implementing this tactic.  Consult the Site Selection Matrix for the Cultural Resources Designation.
SL-11-03 	<b>Punuk/Punguuk Islands waters in the general area of:</b> Lat. 63° 04.24'N Lon. 168°48.41'W	<b>Free-oil Recovery</b> Maximize free-oil recovery in the offshore & nearshore environment of Punuk/Punguuk Islands depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Punuk/Punguuk Island.  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.	Vessel Platform	Via marine waters  Chart 16006_1	Same as SL-11-01	Vessel master should have local knowledge.  Use extreme caution, shoal waters with numerous reefs and rocks.