

DRAFT This tactic map is a working draft being used to develop a Geographic Response Strategy at this location. The tactics represented here have not been approved by the Subarea Committee and should not be considered final. If you have questions or comments please contact us by email at contact@nukaresearch.com.

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NW Arctic Subarea Geographic Response Strategies

| ID | Location and Description | Response Strategy | Implementation | Response Resources | Staging Area | Site Access | Resources Protected (months) | Special Considerations |
|---------|--|--|--|---|--------------------|----------------------------------|---|---|
| N-08-01 | Krusenstern Lagoon & Aukulak Lagoon Nearshore waters in the general area of: Lat. 67°02.5'N Lon. 163°56.5'W | Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Cape Krusenstern & Lagoon depending on spill location and trajectory. | Deploy free-oil recovery strike teams upwind and up current of Cape Krusenstern & Lagoon. 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. | Kotzebue | Via marine waters Chart 16005 | Same as N-08-02 | Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks. |
| N-08-02 | Cape Krusenstern Lagoon & Aukulak Lagoon a. Lat. 67° 03.77'N Lon. 163°18.55'W b. Lat. 67° 03.29'N Lon. 163°12.99'W | Exclusion Exclude oil from entering the Cape Krusenstern Lagoon & Aukulak Lagoon. The barrier beach in front of both lagoons seasonally breaches and may be open in different location. Aerial Survey prior to deployment. | Deploy anchors and boom with skiffs (class 6). Place 500 ft. of protected-water boom in a chevron pattern in front of the entrances to both lagoons. If the sea state does not allow this deployment, move to inside the entrance until the boom is able to hold. Tend throughout the tide. | Deployment Equipment 1000 ft. protected-water boom 6 ea. anchor systems 8 ea. anchor stakes Vessels 1 ea. class 3 1 ea. class 6 1 ea. helicopter (if needed for N- 03-03) Personnel/Shift 5 ea. vessel crew Tending Vessels 1 ea. class 6 1 ea. class 6 1 ea. class 3 Personnel/Shift 5 ea. vessel crew | Vessel Platform | Via marine waters Chart 16005 | Fish- herring spawning, dolly varden char, rainbow smelt, saffron cod, white fish Birds- waterfowl concentration, shorebird concentration, seabird nesting Marine mammals- polar bears, seals Habitat- tundra cliffs, gravel beaches, low lying tundra 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. FOSC Historic Properties Specialist should MONITOR on- site operations. Survey: not yet Tested: not yet |
| N-08-03 | Krusenstern Lagoon & Aukulak Lagoon a. Lat. 67° 08.01 N Lon. 163°33.97 W b. Lat. 67° 03.80 N Lon. 163°14.16 W Survey the lagoons prior to deployment to establish exact locations. | Passive Recovery The lagoons are closed to direct ocean access. If a storm threatens to breach the barrier beach place passive recovery across the channels of the streams and drainages in Krusenstern and Aukulak Lagoons. 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 Krusenstern and Aukulak Lagoons. Replace as necessary to maximize the recovery. | Deployment Equipment 1000 ft. snare line or sorbent boom 5 ea. anchor systems 16 ea. anchor stakes (Adjust equipment to reflect survey findings) Vessels/Personnel/Shift Same as N-08-02 Tending Vessels/Personnel/Shift Same as N-08-02 | Vessel Platform | Via marine waters Chart 16005 | Same as N-08-02 | 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. |