

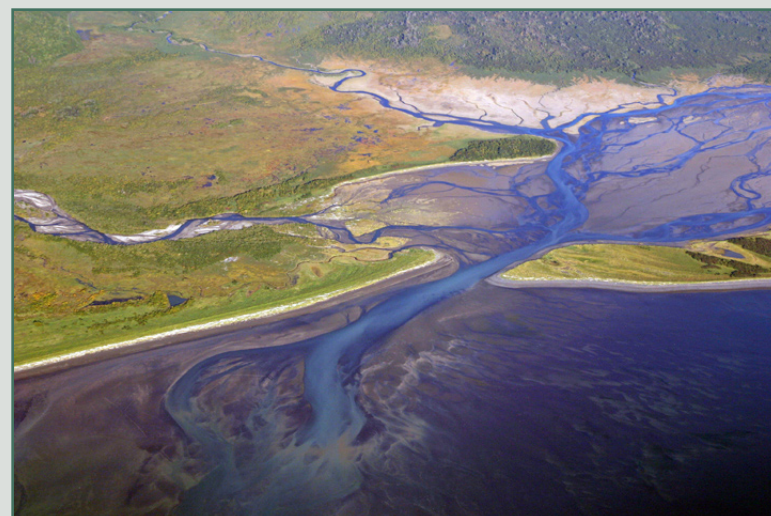
Map & Photo Legend






Ninagiak River viewed from the east.



EX-02b Salmon stream viewed from the east.



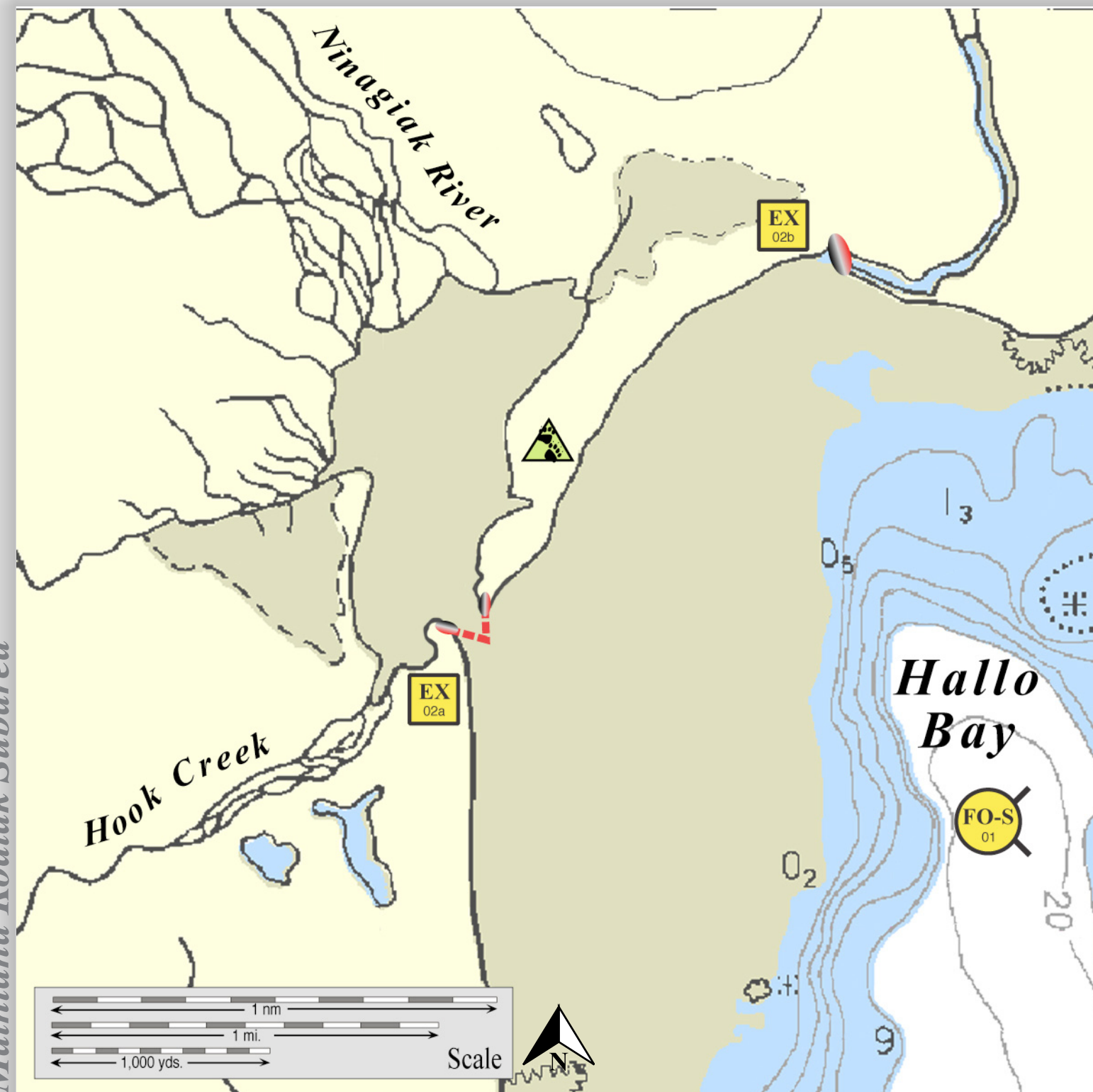
Ninagiak River EX-02a
viewed from the south.

-  Free-oil Containment and Recovery, Shallow Water
-  Exclusion Booming
-  Protected-water Boom
-  Tidal-seal Boom
-  Bears in Area, Guards Recommended

Ninagiak River, K-50



Center of map at 58° 28.4' N Lat., 154° 03.9' W Lon.

Geographic Response Strategies for Mainland Kodiak Subarea



This is not intended for navigational use.

Soundings in fathoms

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
KGRS-50-01 	Ninagiak River Nearshore waters in the general area of: Lat. 58° 25.7 N Lon. 154°02.7 W	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Ninagiak River depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of the Ninagiak 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.	Vessel Platform	Via marine waters Chart 16608-1	Same as KGRS-50-02	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs, rocks and extensive tidal flats.
KGRS-50-02 	Ninagiak River a. Lat. 58° 28.61 N Lon. 154°04.56 W Salmon Stream b. Lat. 58° 29.37 N Lon. 154°02.87 W	Exclusion Exclude oil from impacting the Ninagiak River and the identified salmon stream.	Deploy anchors and boom with skiffs (class 6) at high tide. For (a) place 30 ft. of tidal-seal at both ends and complete in a chevron pattern with 300 ft. of protected-water boom. For (b) place 60 ft. of tidal-seal boom across the cut in the beach at the high tide mark. Adjust both arrays to accommodate the ocean swell. Tend throughout the tide.	Deployment Equipment 300 ft. protected-water boom 120 ft. tidal-seal boom 2 ea. small anchor systems 8 ea. anchor stakes Vessels 1 ea. class 3 1 ea. class 6 Personnel/Shift 5 ea. vessel crew/general techs Tending Vessels 1 ea. class 3 1 ea. class 6 Personnel/Shift 3 ea. vessel crew/general techs	Vessel platform	Via marine waters Chart 16608-1	Fish- intertidal spawning-salmon (May-Sept.) Birds-waterfowl concentration, eagle nesting, seabird nesting Marine mammals- otters, seal Habitat- marsh, sheltered rocky shoreline, exposed tidal flats. Human use – wildlife viewing	Vessel master should have local knowledge. Seasonal Hallo Bay Wilderness Lodge located at the Kaguyak village site may provide support and local knowledge. A large population of bears forage on the tidal flats in the spring and are present during salmon runs. A bear guard is required during these periods. Title 41 - Fish Habitat Permit required from ADNRR. Site surveyed: 7/13/06 KGRS Tactics Committee. Tested: not yet