

Map & Photo Legend



NCI-13 Knik River looking east.



Free-oil Containment and Recovery, Shallow Water



Diversion Booming



Fast-water Boom



Shoreside Recovery



Staging Area



Boat Launch

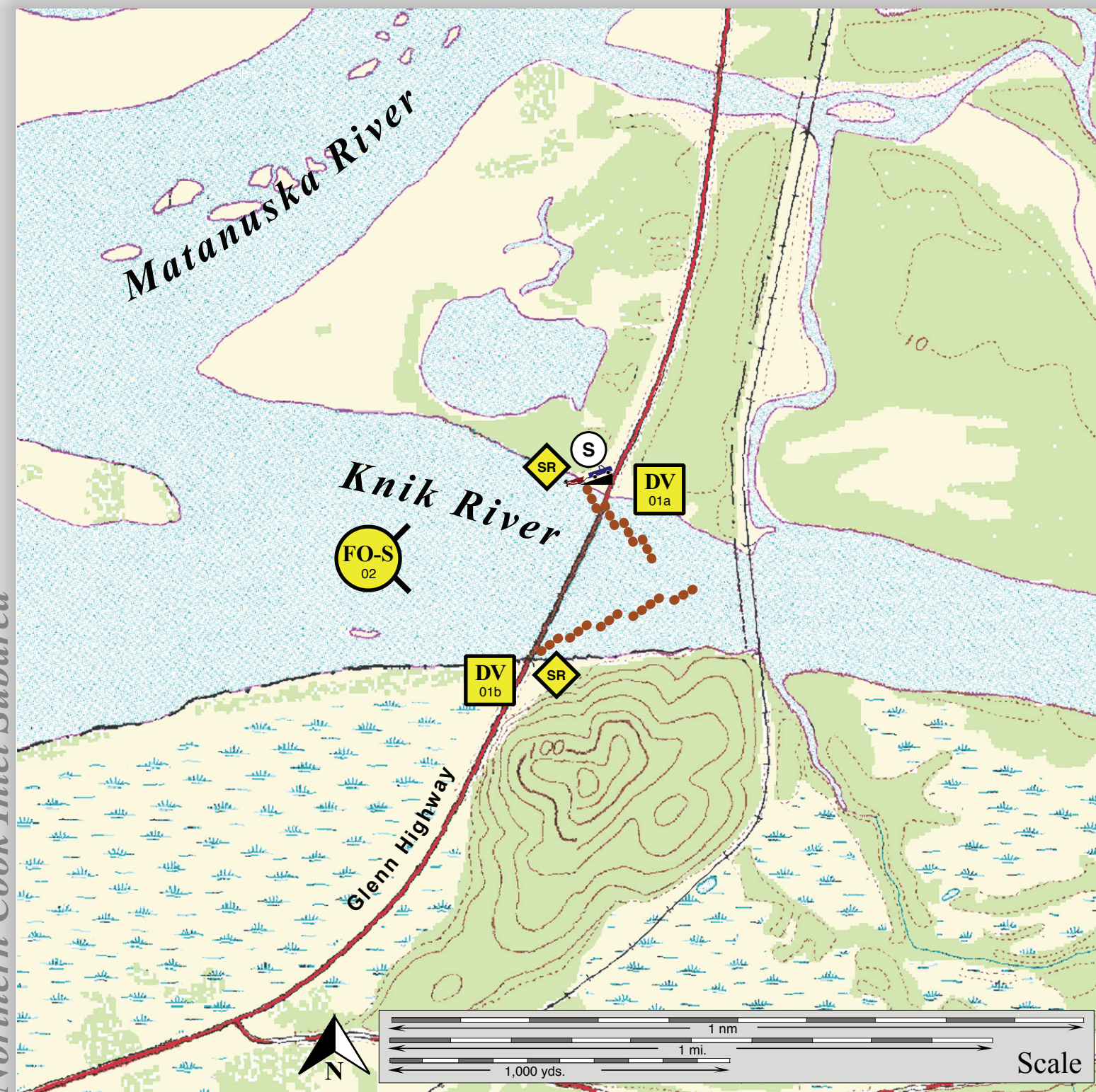


NCI-13 Knik River looking south.

Geographic Response Strategies for Northern Cook Inlet Subarea



Knik River, NCI-13

Center of map at 60° 18.1' N Lat., 147° 12.3' W Lon.



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
NCI-13-01 	Knik River a. Lat. 60° 00.3 N Lon. 149° 18.02 W b. Lat. 60° 00.3 N Lon. 149° 18.02 W	Divert and Collect Divert oil to shore-side collection points determined by spill source and trajectory. The primary objective is to prevent oil from entering the marine environment.	<p>Current can near 6 knots in the main channels and the entire river may not be spanned.</p> <p>Based on spill trajectory, stage and deploy this tactic on the shore-side that will collect the maximum amount of oil.</p> <p>Conduct a river survey using an airboat and mark/buoy a safe river channels as needed.</p> <p>Deploy anchors and boom with skiffs and skiff equipped with jet drives for shallow waters (class 6). Maintain one skiff as a safety vessel.</p> <p>Cascade sections of fast-water boom at the proper angle to divert incoming oil to the collection sites.</p> <p>Using the backhoe establish a 12’x8’ trench and collection pool on the shore-side to be used to collect and recover oil. Line the trench and pool prior to recovery.</p> <p>Set up collection unit and tend throughout the tide.</p> <p>This strategy may be supported into night operations with the addition of light plants and generators.</p>	<p>Deployment Equipment</p> <p>2600 ft. fast-water boom 50 ea. anchor systems (~40lbs. Danforth or mushroom) 4 ea. sand-anchors 8 ea anchor stakes 1 ea. shore-side collection system (dynamic inclined plane or similar fast water skimmer) 20 ea. small buoy systems(for channel marking) 1 ea. backhoe 20’x 20’ liner material 2 ea. light plants</p> <p>Vessels</p> <p>5 ea. class 6 (4 jet drive, 1 airboat)</p> <p>Personnel/Shift</p> <p>12 ea. vessel crew/general tech</p> <p>Tending Vessels</p> <p>2 ea. class 6 (1 as a safety vessel)</p> <p>Personnel/Shift</p> <p>6 ea. vessel crew/general tech</p>	<p>North or south shore of the Knik River</p> <p>Additional south staging area via the Old Glenn Highway at MP 0.5 at the railroad crossing area. Coordinate with the Alaska Railroad prior to use.</p>	<p>North-via the Glenn Highway to the boat ramp.</p> <p>South-via the shoulder of the Glenn Highway.</p>	<p>Fish- spawning- salmon, dolly varden (May-Sept.),</p> <p>Birds-waterfowl concentration and nesting</p> <p>Habitat- marsh, sandy beaches</p> <p>Human use- high recreational use (June-November), waterfowl hunting</p>	<p>Take appropriate measures as outlined in the STAR Manual to protect the beach at the shore-side collection site.</p> <p>All on water crews should have fast water response training.</p> <p>Safety briefs should include review of fast water recovery procedures in the event of MOB.</p> <p>Report any cultural resources found during operations to the FOSC Historic Properties Specialist.</p> <p>Site surveyed: 5/21/08</p> <p>Tested: 7/06</p>
NCI-13-02 	Knik River Nearshore waters in the general area of: Lat. 61°28.68’N Lon. 149°15.59’W	Free-oil Recovery Maximize free-oil recovery in the river & nearshore environment of Knik River depending on spill location and trajectory.	<p>On water recovery may be restricted to deeper channels in the River. Identify safe channels for navigation and recovery prior to deploying strike teams.</p> <p>Once navigation channels have been established, deploy free-oil recovery strike teams as required to intercept oil that may pass NCI-13-01.</p> <p>Use aerial surveillance to locate slicks.</p>	<p>Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts the sensitive areas in Knik River and the nearby marine environment.</p>	<p>Vessel Platform</p>	<p>Via marine waters</p> <p>Chart 16660-1</p>	<p>Same as NCI-13-01</p>	<p>Vessel master should have local knowledge.</p> <p>Concrete barriers impede access to the staging areas at certain time of the year. Contact AKDOT for current status.</p> <p>Use extreme caution, shoal waters and fast currents.</p>