








McArthur River, CCI-18-01 as viewed from the Southeast.

# Map & Photo Legend

-  Free-oil Containment and Recovery, Shallow Water – Located up current and up-wind to maximize recovery.
-  Diversion Booming
-  Protected-water Boom
-  Shoreside Recovery
-  Staging Area

## Implementation Notes:

Staging at local elevated clearings and nearby Trading Bay.

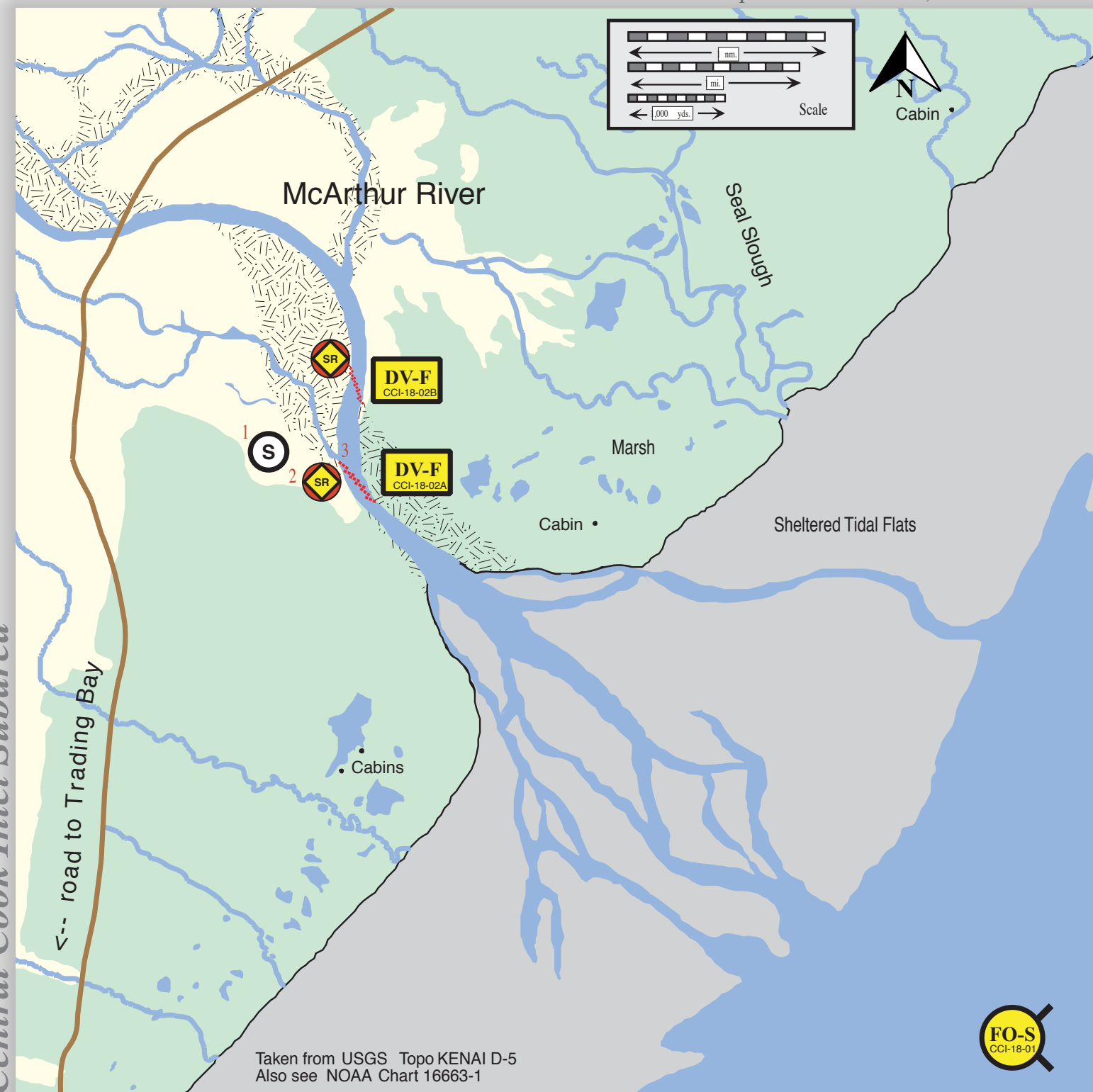
Product will be diverted to the south shore for collection by a small protected-water skimming system and storage.

The boom angle/cascade configuration can be adjusted through the tide cycle to maximize collection.

Nearshore free-oil strike teams will require aerial surveillance support during the first flood and ebb tide cycles to determine optimum locations for deflection boom to keep oil from entering the river near the mouth. Nearshore free-oil collection and strategically located deflection boom arrays will reduce the amount of oil entering the river channels at the mouth.

# McArthur River, CCI-18

Center of map at 60° 53.3' N Lat., 152° 39.8' W Lon.



Taken from USGS Topo KENAI D-5  
Also see NOAA Chart 16663-1

This map is not intended to be used for navigation.

Soundings in fathoms

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
CCI-18-01	<b>McArthur River</b>  Nearshore waters in the general area of: Lat. 60° 53.3 N Lon. 152° 39.8 W	* Maximize on-water recovery in the offshore & nearshore environment / outside the mudflats.	Deploy nearshore strike teams upwind and up current of the river entrance. Use aerial surveillance to locate incoming oil.	Multiple nearshore free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	<ul style="list-style-type: none"><li>• Kenai Harbor or offshore support vessel</li><li>• Check with oil platform operator to evaluate possibility of using the platform for staging.</li></ul>	Via marine waters See NOAA Chart 16663-1.	Same as CCI-18-02.	<ul style="list-style-type: none"><li>• Emphasis on offshore and nearshore efforts to keep product off of tidal areas since it would be virtually impossible to protect exposed tidal flats and habitat outside of the river entrance.</li><li>• Shoal waters and rocks. Vessel masters should have local knowledge.</li></ul>
CCI-18-02	<b>McArthur River</b> - Primary  Located approximately 12 mi. north of West Forelands on the west side of Cook Inlet. Features include exposed tidal flats and sheltered rocky shores outside the mouth with mudflats that extend outward to the inlet up to 2.1 mi. at low water.  <b>02 A</b> Lat. 60° 55.53 N Lon. 152° 44.86 W  <b>02 B</b> Lat. 60° 56.08 N Lon. 152° 44.53 W  River Channel <ul style="list-style-type: none"><li>• Average depth of 8-10 ft. at high water.</li><li>• Not navigable at low tide.</li><li>• Moderate currents.</li><li>• River is approximately 1 mi. wide at its entrance and 1000 ft. across upstream.</li><li>• Tidally influenced to about 3 mi. upriver</li></ul> Docks <ul style="list-style-type: none"><li>• None local - barge landing at nearby Trading Bay</li></ul>	* Evaluate the use of deflection boom to keep product from entering the river. * Otherwise, divert spilled product to designated collection sites. * Recover spilled product at designated collection sites. * Trained crews should haze birds out of river mouth and adjacent marsh areas, once a hazing permit is issued.  <b>Seasonal Restriction</b> River iced-in/not navigable from approximately November to April.	Evaluate the possibility of using a deflection strategy to keep oil out of the river channel.  Otherwise: <b>02A</b> Place 1200 ft. of diversion boom in a cascade configuration to divert spilled product to south shore collection site.  <b>02B</b> Place another 1200 ft. of diversion boom in a cascade configuration to divert spilled product to south shore collection site further upstream.  Collect spilled product with a shoreside collection unit.	<b>Equipment</b> 6 ea. 200 ft. river boom units 1 ea. protected water skimmer 600 ft. 2” discharge hose 2 ea. on-shore storage unit 18 ea. 40 lb. anchor systems 1 ea. additional transfer pump 1 ea. wildlife hazing kit 2000 ft. line  <b>Support</b> 3 ea. Class #5/6 vessels 1 ea. truck 1 ea. truck with trailer 1 ea. Vacuum truck 1 ea. shelter. 2 ea. ATV trailers 2 ea. ATVs 25 ea. fence posts 1 or 2 light plants  <b>Personnel/Shift</b> 12 ea. deploy & set-up 8 ea. tend & maintain	<ul style="list-style-type: none"><li>• Localized elevated clearings near deployment sites.</li><li>• Trading Bay airstrip or barge landing with road access to bridge upstream of deployment sites.</li><li>• Services - local oil &amp; gas industry infrastructure at Trading Bay.</li><li>• Security - none/minimal</li><li>• Support - shelter.</li></ul>	FOSC Historic Properties Title 16 permit may be required to work inside river. Contact Environmental Unit of the Unified Command for permit.  REPORT any cultural resources found during operations to the FOSC Historic Properties Specialist.  Mobilization options include airlift to Trading Bay, helo-lift to localized staging sites, or shallow draft marine transport which is restricted from November - April.  Marine access with shallow draft vessels (May - September).  Road access from Trading Bay to bridge approximately 2.5 mi. upstream via ATV or off road equipment.  <b>Seasonal Restriction</b> River iced-in/not navigable from approximately November - April.	<ul style="list-style-type: none"><li>• Tidal marshes (all year)</li><li>• Salmon migration and spawning (May - October)</li><li>• Intertidal salmon spawning (July - September)</li><li>• Waterfowl and shore bird concentrations (all year)</li><li>• Fishing (July - September)</li><li>• Commercial fishing (June - September)</li></ul>	<ul style="list-style-type: none"><li>• Brown bears present in summer months.</li><li>• Very difficult and unsafe to protect exposed tidal flats outside river mouth.</li><li>• Working on banks of the river should be no problem. Take care not to work or walk on oiled shoreline, to avoid driving oil into the soils.</li><li>• Access above intertidal area will have to be resolved with landowners before setting anchors or staging areas.</li><li>• Summer response only - limited winter access / river and shoreline ice-covered.</li><li>• Potential personnel/best responders may be obtained from local area.</li></ul>