

Location of CCI-21

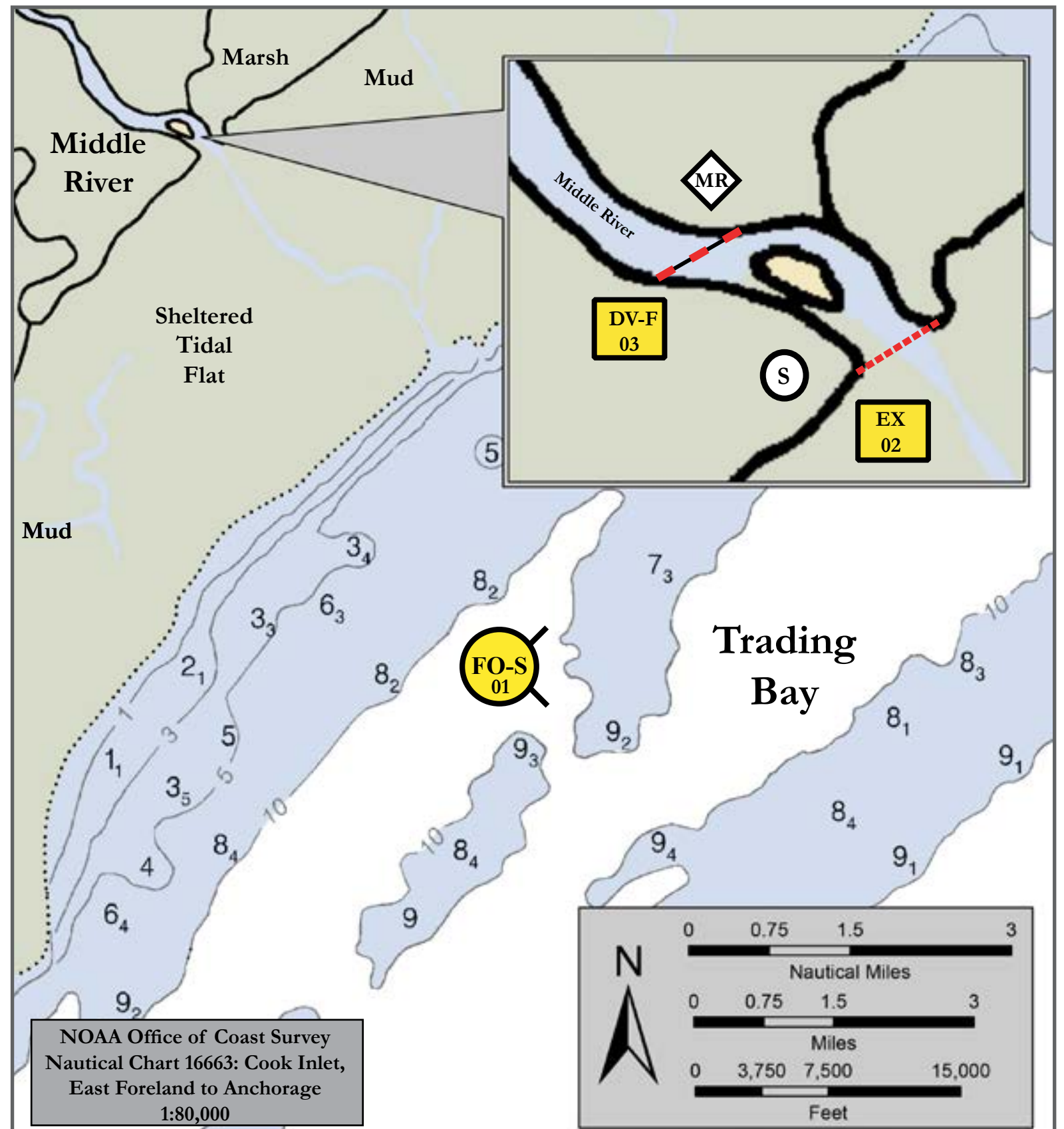
Map
& Photo
Legend



Middle River, View Northwest

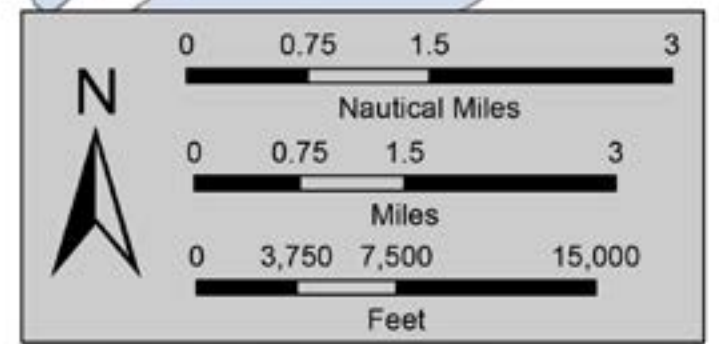
	Free-Oil Containment and Recovery, Shallow Water		Calm-Water Boom
	Diversion Booming, Fast Water		Protected-Water Boom
	Exclusion Booming		Staging Area
			Marine Recovery

Middle River, CCI-21






Geographic Response Strategies for
Central Cook Inlet Subarea

NOAA Office of Coast Survey
Nautical Chart 16663: Cook Inlet,
East Foreland to Anchorage
1:80,000



Map is not intended for navigational use.

Lat. 151° 35' 42.7"W Depths in Fathoms
Lon. 60° 58' 6.1" N

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
CCI-21-01 	Middle River Nearshore waters in the general area of: Lat. 60° 57.1' N Lon. 151° 32.9' W	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment outside the mudflats.	Deploy free-oil recovery strike teams upwind and up current of the river entrance. 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.	Kenai harbor offshore support vessel, or Shirleyville Contact oil production platform owners to evaluate the possibility of using the platforms for staging.	Via marine waters Chart 16663-1	Same as CCI-21-02	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. Shoal waters and rocks. Vessel masters should have local knowledge.
CCI-21-02 For tides less than 20 ft. 	Middle River Located approximately 14 mi. north of West Forelands peninsula on west side of Cook Inlet. River entrance has a defined channel. Features include marsh habitat near the river entrance, mixed sand and gravel beaches and mudflats that extend outward to the inlet up to one mile at low water. Lat. 60° 58.03' N Lon. 151° 35.77' W River Channel -Average depth of 6 ft. at mouth of river at high water with tides greater than 20 ft. -Not navigable at low tide. -Moderate currents (<1 knot). -Narrow and winding. -Tidally influenced to about 2 mi. upriver. -River width approximately 250-300 ft. -Trading Bay State Game Refuge.	Exclusion Exclude oil from impacting the intertidal area and stream at Middle River.	Transport equipment to site by marine vessel (class 3/4). For tides less than 20 ft. , place 400 ft. of exclusion boom across river above tidal flats. For tides less than 20 ft. use exclusion tactic; exclude spilled product from entering river near grass banks above tidal flats, approximate position: 60° 58.06 N, 151° 35.8 W. Seasonal Restriction Summer response only - no winter access except for helicopter airlift. River and shoreline are ice-covered from approximately November - April.	Deployment Equipment 2 ea. 200 ft. river boom units 6 ea. 40 lb. anchor systems 1 ea. wildlife hazing kit 800 ft. line Personnel/Shift 6 ea. Deploy & setup 3 ea. Tend and maintain Tending Vessels 2 ea. Class 6	Equipment and materials can be mobilized by either small craft or helicopter. Staging is limited to localized elevated clearings near deployment site. <ul style="list-style-type: none"> • Services - none. • Security - none. • Support - shelter 	Site access is restricted to small shallow draft vessels and helicopter. Seasonal Restriction River iced-in/not navigable from approximately November - April.	Tidal marshes (all year) Fish- Salmon migration and spawning (May - October) Birds- Waterfowl and shore bird concentrations (all year) Fishing- (July - September) Trained crews should haze birds out of river mouth and adjacent marsh areas, once a hazing permit is issued.	Brown bears present in summer months Difficult and unsafe to protect exposed tidal flats outside river mouth. Riverbanks accessible. Do not work or walk on oiled shoreline to avoid driving oil into the soils. Access above intertidal area requires landowner permission. Potential personnel/best responders may be obtained from local area. REPORT any cultural resources found during operations to the FOSC Historic Properties Specialist. Reporting should be performed as the circumstances of the emergency allow.
CCI-21-03 For tides greater than 20 ft. 	Middle River Located approximately 14 mi. north of West Forelands peninsula on west side of Cook Inlet. River entrance has a defined channel. Features include marsh habitat near the river entrance, mixed sand and gravel beaches and mudflats that extend outward to the inlet up to one mile at low water. Lat. 60° 58.26 N Lon. 151° 36.7 W.	Divert and Collect Divert oil to marine collection.	At tide levels greater than 20 ft. , establish a diversion boom location and marine collection unit at the nearest suitable location that provides safe personnel access up the river banks	Deployment Equipment 2 ea. 200 ft. river boom units 1 marine collection unit – protected water skimmer 1 storage unit 6 ea. 40 lb. anchor systems 800 ft. line Personnel/Shift Same as 21-02 Tending Vessels Same as 21-02	Equipment and materials can be mobilized by either small craft or helicopter. Staging is limited to localized elevated clearings near deployment site. <ul style="list-style-type: none"> • Services - none. • Security - none. • Support - shelter 	Via marine waters Chart 16663-1	Tidal marshes (all year) Fish- Salmon migration and spawning (May - October) Birds- Waterfowl and shore bird concentrations (all year) Fishing- (July - September)	Brown bears present in summer months Difficult and unsafe to protect exposed tidal flats outside river mouth. Riverbanks accessible. Do not work or walk on oiled shoreline to avoid driving oil into the soils. Access above intertidal area requires landowner permission. Potential personnel/best responders may be obtained from local area. REPORT any cultural resources found during operations to the FOSC Historic Properties Specialist. Reporting should be performed as the circumstances of the emergency allow.