



SE01-04-04 Chickamin River Estuary looking towards the northeast.

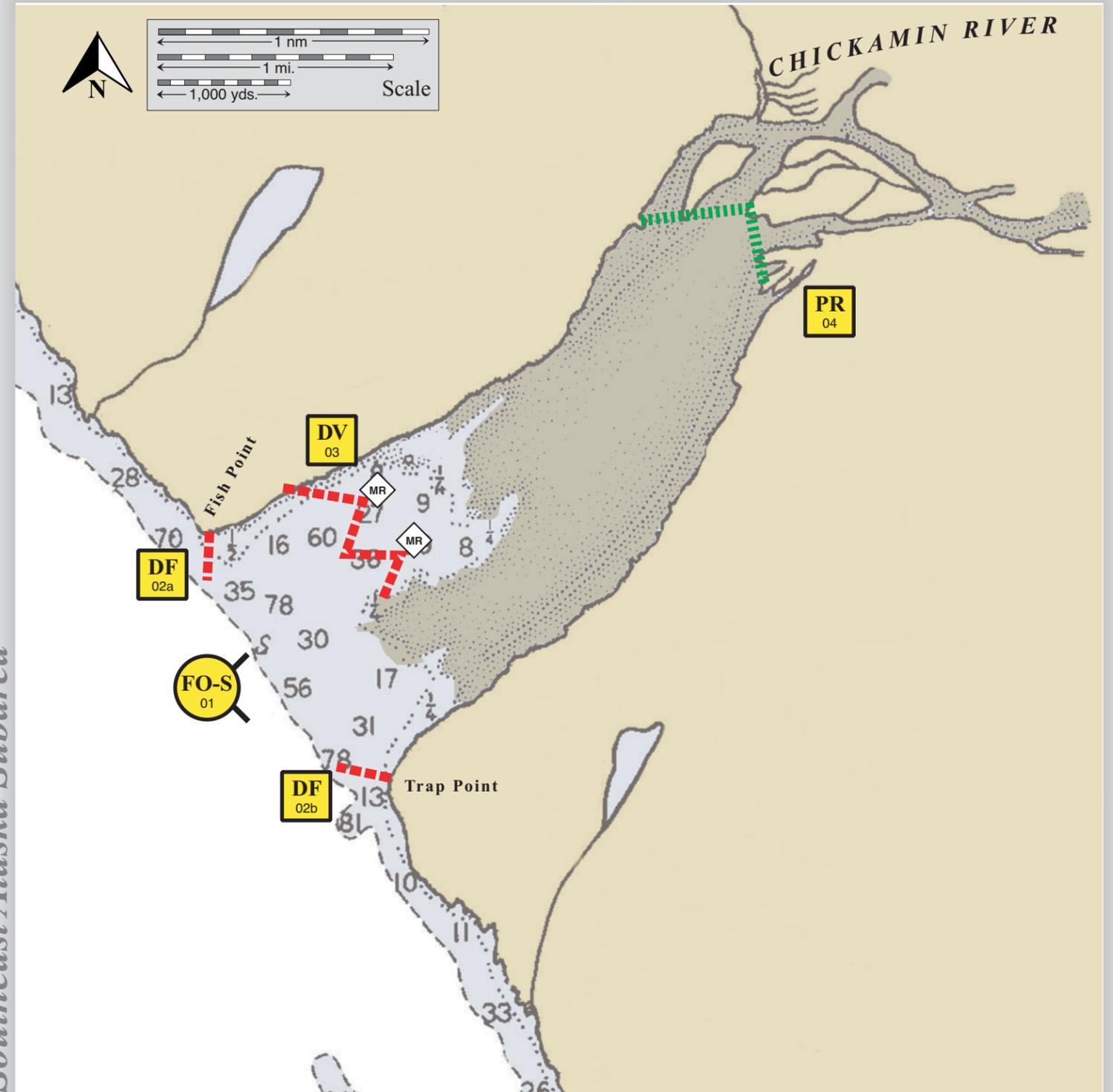
Map & Photo Legend

	Free-oil Containment and Recovery, Shallow Water
	Diversion Booming
	Deflection Booming, Fixed
	Passive Recovery and Debris Removal
	Protected-water Boom
	Snare Line
	Marine Recovery

Chickamin River Estuary, SE01-04

Center of map at 55° 48.1' N Lat., 130° 57.0' W Lon.

Geographic Response Strategies for Southeast Alaska 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
SE01-04-01	Chickamin River Estuary Nearshore waters in the general area of: Lat. 55° 47.5 N Lon. 130° 58.9 W	Free-oil Recovery- Shallow Water Maximize free-oil recovery in the offshore & nearshore environment outside of the Chickamin River Estuary.	Deploy free-oil recovery strike teams upwind and up current of Chickamin River Estuary. Use aerial surveillance to locate incoming slicks.	Multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Ketchikan Harbor	Via marine waters Chart 17424	Same as SE01-04-02	Vessel master should have local knowledge.
SE01-04-02	Chickamin River Estuary <u>Boom Arrays:</u> a. Lat. 55° 47.8 N Lon. 130° 59.4 W b. Lat. 55° 47.0 N Lon. 130° 58.3 W	Deflection-Fixed Deflect oil entering Chickamin River Estuary away from mudflats for recovery.	Transport equipment to the site by vessel (class 2/3/4). Place cascaded booms arrays on the down stream side of the entrance to Chickamin River Estuary with fishing vessels and skiffs (class 3/4/6) at appropriate angle to deflect it to free-oil strike teams. Move to the other location at the change of the tide.	Deployment Equipment 1200 ft. protected-water boom 12 ea. anchor systems (~40 lbs.) 600 ft. extra anchor line 2 ea. anchor stakes Vessels 2 ea. class 2 4 ea. class 3/4 2 ea. class 6 Personnel / Shift 30 ea. vessel crew Tending Vessels 3 ea. class 3/4 2 ea. class 6 Personnel / shift 12 ea. vessel crew	Vessel platform	Via marine waters Chart 17424	Fish-intertidal salmon spawning (chum, pink, coho, king, steelhead) Birds-waterfowl and shorebirds migration, molting, and concentration >500 (winter) Habitat-marsh, sheltered tidal flat	Vessel master should have local knowledge. FOSC Historic Properties Specialist should MONITOR on-site operations. See Figure G-3-2 for equipment locations. Tested: not yet
SE01-04-03	Chickamin River Estuary <u>Anchor Locations</u> a. Lat. 55° 47.9 N Lon. 130° 58.5 W b. Lat. 55° 47.7 N Lon. 130° 58.4 W c. Lat. 55° 47.5 N Lon. 130° 58.1 W	Divert and Recover Divert oil entering Chickamin River Estuary to marine recovery.	Deploy anchor and booms with skiffs and fishing vessels (class 3/4/6). Place boom in 4 legs that connect in 2 chevron patterns that are anchored at the north and south beaches. Establish marine recovery units at the apex of each chevron. Tend throughout the flood tide. Allow the array to flag in the current during the ebb tide.	Deployment Equipment 6000 ft. protected-water boom 3 ea. lg. anchor systems (~1000 lbs.) 40 ea. anchor systems (~40 lbs.) 4 ea. anchor stakes 2 ea. marine recovery units Vessels, Tending Same as SE01-04-02 Personnel/Shift 2 ea. marine recovery	Vessel platform	Via marine waters Chart 17424	Same as SE01-04-02	Vessel master should have local knowledge. Marine recovery units must be able to go dry on the tidal flat or be moved at high tide. Tested: not yet
SE01-04-04	Chickamin River Mudflats Lat. 55° 49.1 N Lon. 130° 55.9 W	Passive Recovery Minimize impact to designated area through passive recovery using snare line or sorbent boom.	Place and anchor 4300 ft. of snare line or sorbent boom across mudflats at the head of Chickamin River Estuary.	Deployment Equipment 4300 ft. snare line or sorbent boom 45 ea. anchor stakes Vessels, Personnel, Tending Same as SE01-04-02	Vessel platform	Via marine waters Chart 17424	Same as SE01-04-02	Use snare line for persistent oils and sorbent boom for non-persistent oils. Use caution to not drive oil into the substrate.