

Map & Photo Legend



SWCI-16 Cottonwood Bay looking west.



SWCI-16-02 Cottonwood Bay looking west.



SWCI-16-04a Stream at the back of Cottonwood Bay looking west.

SWCI-16-04b Stream on the southern shore of Cottonwood Bay looking west.

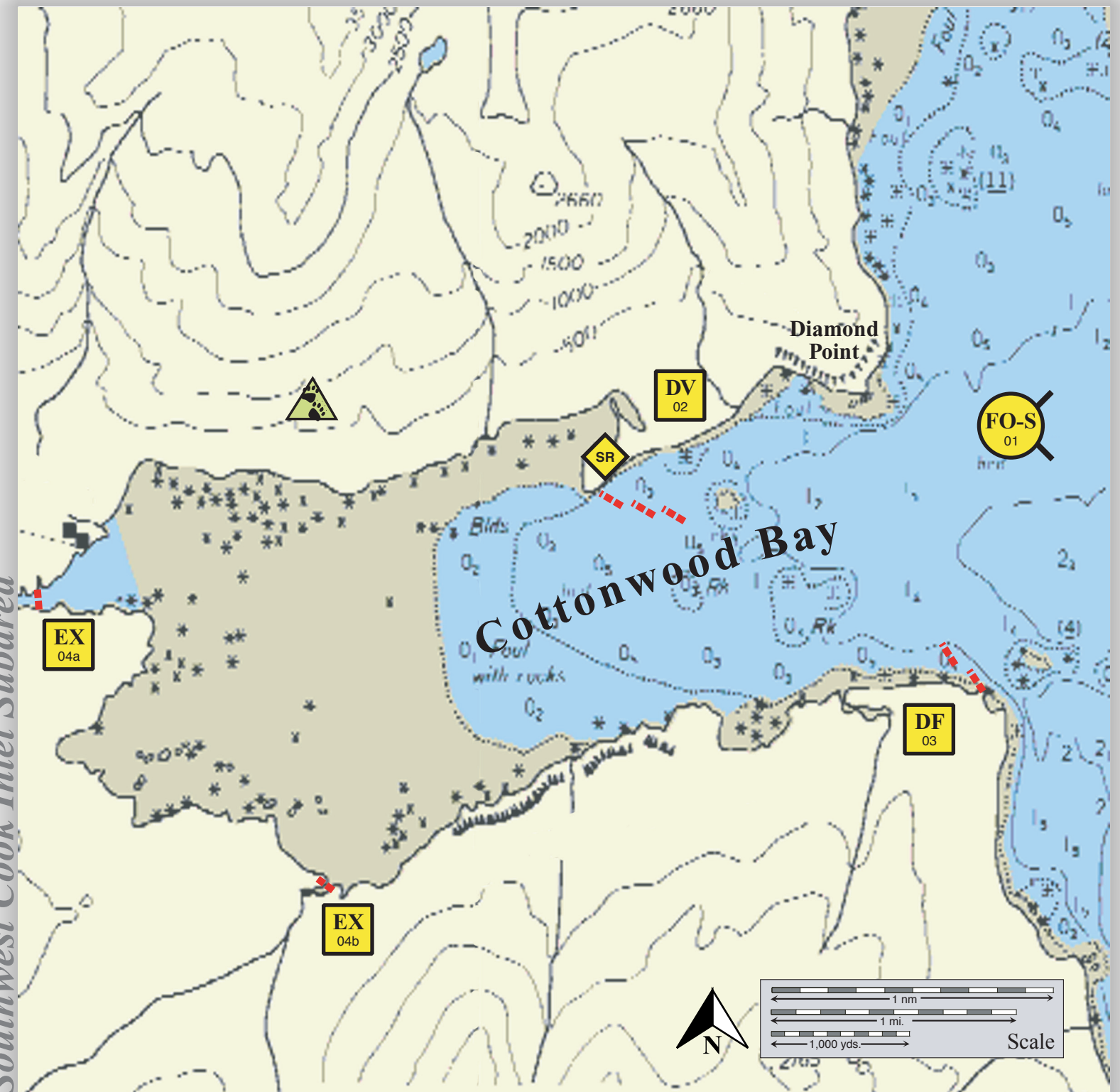
	Free-oil Containment and Recovery, Shallow Water
	Exclusion Booming
	Deflection Booming
	Diversion Booming
	Shoreside Recovery
	Protected-water Boom
	Bears in Area, Guards Needed



Geographic Response Strategies for Southwest Cook Inlet Subarea

Cottonwood Bay, SWCI-16

Center of map at 59° 38.17' N Lat., 153° 37.35' 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
SWCI-16-01	Cottonwood Bay Nearshore waters in the general area of: Lat. 59° 38.17 N Lon. 153° 37.35 W	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Cottonwood Bay depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Cottonwood Bay. 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.	Homer/Kenai	Via marine waters Chart 16648-2	Same as SWCI-16-02	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks.
SWCI-16-02	Cottonwood Bay Lat. 59° 38.32 N Lon. 153° 39.40 W	Divert and Collect Divert oil to shore-side collection points determined by spill source and trajectory.	Transport equipment by vessel (class 2/3/4) to site. Transport equipment to the shore by skiff (class 6). Deploy anchors and boom with skiffs (class 6). Place protected-water boom in three 600 ft. cascaded arrays at the proper angle to divert oil to collection site. Set up collection unit and tend throughout the tide.	Deployment Equipment 1800 ft. protected-water boom 12 ea. anchor systems (~40 lbs.) 2 ea. anchor stakes 1 ea. shoreside collection unit Vessels 2 ea. class 3/4 2 ea. class 6 Personnel/Shift 11 ea. vessel crew 3 ea. response techs Tending Vessels 2 ea. class 3/4 1 ea. class 6 Personnel/Shift 4 ea. vessel crew 2 ea. response techs	Vessel platform Nearest anchorage is in Iliamna Bay. Nearest shelter is at Williamsport.	Via marine waters Chart 16648-2	Fish-intertidal spawning-salmon, herring(April-Aug.) Birds- shorebird feeding, waterfowl concentrations (April-November), eagle nest Habitat-sheltered tidal flats, sheltered rocky shoreline, marsh	High concentration of brown bears. Consider using bear guards. Take appropriate measures as outlined in Part 2 of this document to protect the beach at the collection site. Best deployed at high tide. Title 41 permitting required from ADNR. Site surveyed: SWCI Tactics Committee 9/09/03. Tested: not yet
SWCI-16-03	Cottonwood Bay Lat. 59° 37.79 N Lon. 153°37.05 W	Deflection Deflect oil coming towards the southern side of the bay towards northern tactic in Cottonwood Bay.	Transport equipment from transport vessel to the site by skiff (class 6). Deploy boom and anchor system with fishing vessel or skiff (class 6). Position boom in two 600 ft. arrays at adequate angle to deflect oil from Cottonwood Bay and set up recovery. Tend throughout the tide.	Deployment Equipment 1200 ft. protected-water boom 10 ea. anchor systems (~40 lbs.) Vessels/Personnel/Shift Same as SWCI-16-02 Tending Vessels/Personnel/Shift Same as SWCI-16-02	Vessel platform	Via marine waters Chart 16648-2	Same as SWCI-16-02	Vessel master should have local knowledge. FOSC Historic Properties Specialist should INSPECT this site prior to deployment. Site surveyed: SWCI Tactics Committee 9/09/03. Tested: not yet
SWCI-16-04	Cottonwood Bay a. Lat. 59° 38.04 N Lon. 153° 42.47 W b. Lat. 59° 37.28 N Lon. 153° 40.88 W	Exclusion Exclude oil from impacting the streams in Cottonwood Bay.	Transport equipment by vessel (class 2/3/4). Deploy anchors and boom with skiffs (class 6). Place protected-water boom across the two creeks entrance to exclude oil. Tend throughout the tide. <u>Boom lengths:</u> a. 300 ft. b. 500 ft.	Deployment Equipment 800 ft. protected-water boom 4 ea. anchor systems (~20 lbs.) 8 ea. anchor stakes Vessels/Personnel/Shift Same as SWCI-16-02 Tending Vessels/Personnel/Shift Same as SWCI-16-02	Vessel platform	Via marine waters Chart 16648-2	Same as SWCI-16-02	Vessel master should have local knowledge. Title 41 permitting from ADNR prior to deployment. Site surveyed: SWCI Tactics Committee 9/09/03. Tested: not yet