

Map & Photo Legend



▲ SE05-04 Looking west into Cosmos Cove.



◀ SE05-04-04 Looking west at head of Cosmos Cove.



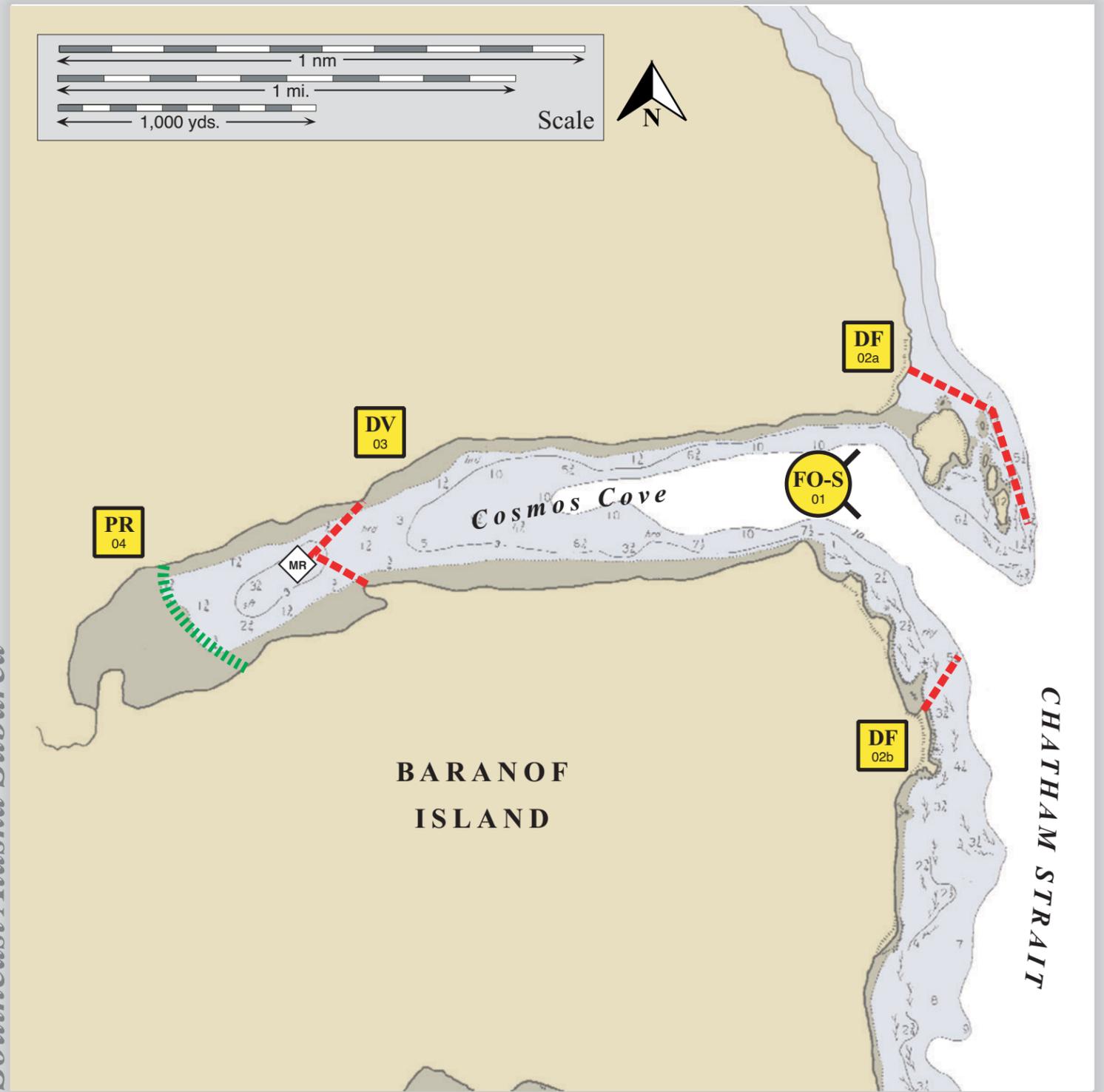
◀ SE05-04-02a Looking west into Cosmos Cove.

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

Geographic Response Strategies for Southeast Alaska Subarea

Cosmos Cove, SE05-04

Center of map at 57° 14.7' N Lat., 134° 51.7' 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
SE05-04-01	Cosmos Cove Nearshore waters in the general area of: Lat. 57° 14.7 N Lon. 134° 50.8 W	Free-oil Recovery- Shallow Water Maximize free-oil recovery in the offshore & nearshore environment in the entrance to Cosmos Cove.	Deploy free-oil recovery strike teams at the entrance to Cosmos Cove. 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.	Kake or Angoon	Via marine waters Chart 17337	Same as SE05-04-02	Vessel master should have local knowledge.
SE05-04-02	Cosmos Cove a. Lat. 57° 14.8 N Lon. 134° 50.8 W b. Lat. 57° 14.3 N Lon. 134° 50.4 W	Deflection Deflect oil away from Cosmos Cove.	Use vessels with deck space to transport equipment to the site (class 2/3/4) Deploy boom and set anchors with fishing vessels and skiffs (class 3/4/6). Place cascaded arrays (200-400 ft.) of protected-water boom at the northern and southern entrances to Cosmos Cove to deflect oil away from the islands and to the free-oil strike team. Tend throughout the tide. <u>Boom Lengths:</u> a. 2600 ft. b. 800 ft.	Deployment Equipment 3400 ft. protected-water boom 4 ea. anchor stakes 36 ea. anchor systems (~40 lbs.) Vessels 1 ea. class 2 2 ea. class 3/4 2 ea. class 6 Personnel / Shift 14 ea. vessel crew Tending Vessels 1 ea. class 3/4 2 ea. class 6 Personnel / Shift 7 ea. vessel crew	Vessel platform	Via marine waters Chart 17337	Fish-intertidal salmon spawning (coho, pink, chum) Birds-waterfowl, shorebirds (winter, low density) Habitat-kelp/eelgrass beds Human use-high recreational use (May-Sept.)	Vessel master should have local knowledge. FOSC Historic Properties Specialist should MONITOR on-site operations. See Figure G-3-10 for equipment locations. Tested: not yet
SE05-04-03	Cosmos Cove Lat. 57° 14.52 N Lon. 134° 52.63 W	Divert / Recover Divert oil entering Cosmos Cove to marine recovery.	Deploy anchors and boom with skiffs and fishing vessels (class 3/4/6). Place 2900 ft. of protected-water boom in a chevron pattern in Cosmos Cove. Establish marine recovery unit at the apex of the boom. Tend throughout the tide.	Deployment Equipment 2900 ft. protected-water boom 4 ea. anchor stakes 31 ea. anchor systems (~70 lbs.) Vessels 1 ea. marine recovery unit Personnel, Tending Same as SE05-04-02	Vessel platform	Via marine waters Chart 17337	Same as SE05-04-02	Vessel master should have local knowledge. Tested: not yet
SE05-04-04	Head of Cosmos Cove Lat. 57° 14.4 N Lon. 134° 53.1 W	Passive Recovery Minimize impact to designated area through passive recovery using snare line or sorbent boom.	Place and anchor snare line or sorbent boom across the tidal flats at the head of Cosmos Cove.	Deployment Equipment 1800 ft. snare line or sorbent boom. 20 ea. anchor stakes Vessels, Personnel, Tending Same as SE05-04-02	Vessel platform	Via marine waters Chart 17337	Same as SE05-04-02	Use snare line for persistent oils and sorbent boom for non-persistent oils.