

Map & Photo Legend



SE01-06 Looking southwest over Cat and Dog Islands.









SE01-06-04a Looking east over Cat Island.



SE01-06-04b Looking south over Double Island.



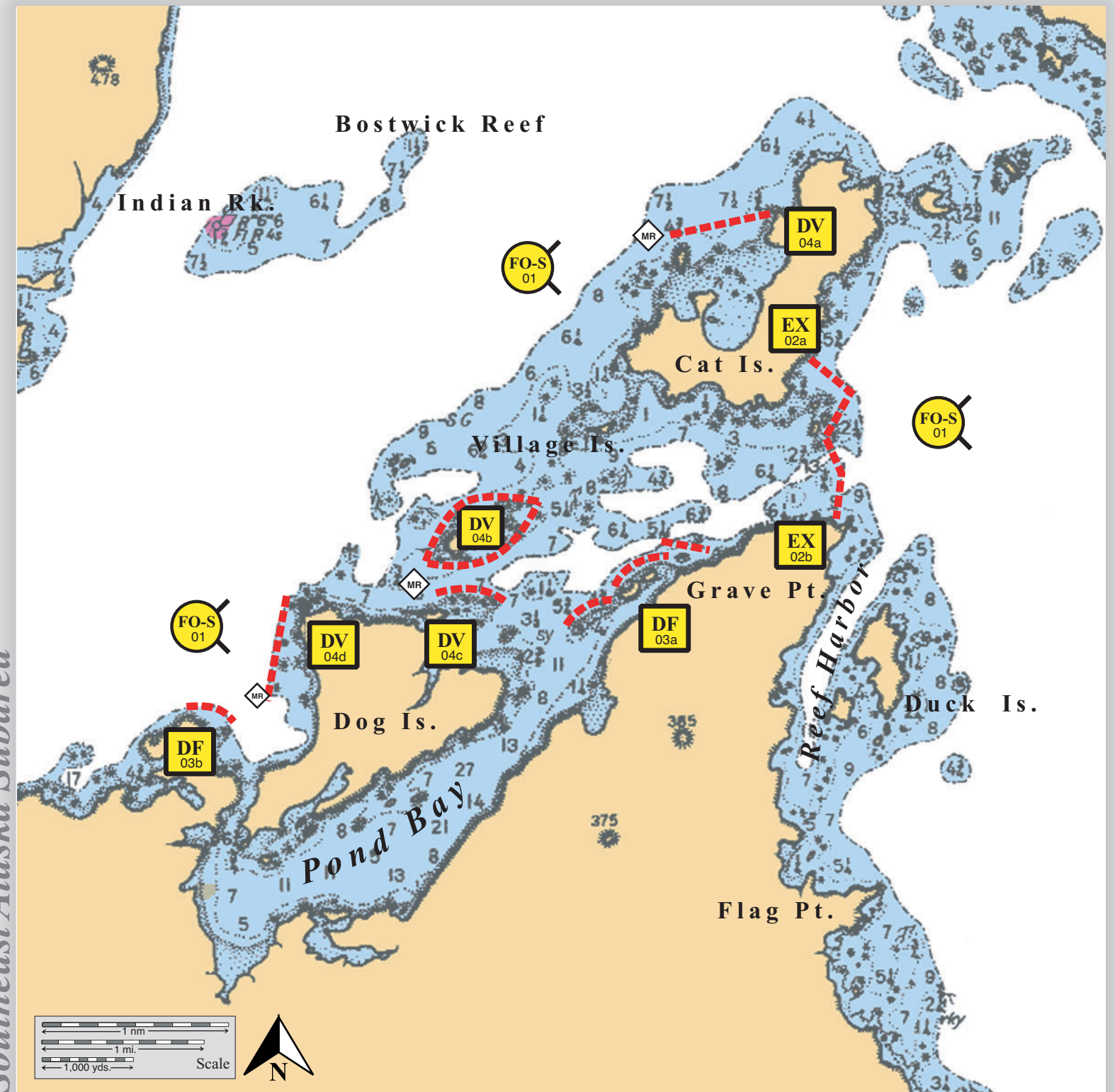
SE01-06-03b Looking south at Pond Bay.

-  Free-oil Containment and Recovery, Shallow Water
-  Exclusion Booming
-  Deflection Booming, Fixed
-  Diversion Booming
-  Protected-water Boom
-  Marine Recovery

Geographic Response Strategies for Southeast Alaska Subarea

Dog Island, SE01-06

Center of map at 54° 59' N Lat., 131° 19' 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
SE01-06-01 Note: Strategies are listed in priority of deployment	Dog Island	Free-oil Recovery Maximize free-oil recovery in nearshore waters around Dog Island and Cat Island; including, east end of Cat Passage, west side of Cat Island, mouth of Dog Bay.	Deploy free-oil recovery strike teams.	Multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts herring fishery and other sensitive habitats around Dog and Cat Island.	Ketchikan; Marine vessel	Via marine waters	Fish-herring Marine mammals- Habitat-tidal mudflats	Site survey desired to: 1. Check direction and velocity of current.
SE01-06-02	Dog Island a. Lat. 55° 00.95 N Lon. 131° 14.75 W (chevron point) b. Lat. 55° 00.52 N Lon. 131° 14.44 W (chevron point)	Exclusion Protect waters around Dog Island by preventing oil in Revillagigedo Channel from entering Cat Passage.	Use class 2 and class 3 or 4 vessels with deck space to transport equipment. Place protected-water boom, with tidal-seal on each end using class 6 skiffs. Deploy free oil strike teams [FO-S 01] at Cat Passage. <u>Boom Arrays</u> a. Chevron, 1250 ft per side b. Chevron, 2000 ft per side in 1000 ft cascade	Deployment Equipment 6500 ft protected-water boom. 18 ea ~40 lbs anchor systems for securing boom every 500 feet. Place 2X40 lbs anchor systems in tandem at apex of chevron arrays. 2 ea. 50 ft of tidal-seal boom units 2 anchor stakes 3 marine recovery units Vessels 2 ea. class 2 2 ea. class 3/4 2 ea. class 6 Personnel Shift 18 ea vessel crew Tending Vessels 1 ea. class 3/4 2 ea. class 6 Personnel/Shift 5 ea vessel crew	Same as SE01-06-01	Via marine waters	Marine mammals- Steller sea lions, harbor seals Fish-herring, intertidal salmon spawning (coho, pink, chum) Birds-shorebirds, waterfowl migration (spring & fall), waterfowl concentration >1200 (winter) Habitat-tidal mudflats	Site survey desired to: 1. Check direction and velocity of current. 2. Check chevron and shore side anchor points. Assume oil is coming from the east out of Revillagigedo Channel. FOSC Historic Properties Specialist should INSPECT site prior to operations. See Figure G-3-2 for equipment locations. Tested: not yet
SE01-06-03	Dog Island a. Lat. 54° 59.9 N Lon. 131° 16.4 W b. Lat. 54° 59.13N Lon. 131° 21.1 W	Deflection Protect waters around Dog Island by deflecting oil in Felice Strait and Cat Passage away from a. Islets west of Grave Pt. b. Island west side of Dog Bay.	Use class 2 and class 3 or 4 vessels with deck space to transport equipment. Place protected-water boom using class 6 skiffs. <u>Boom Arrays</u> a. 3000 ft, 1000 ft cascade. b. 1000 ft.	Deployment Equipment 4000 ft protected-water boom. 8 ea ~40 lbs anchor systems for securing boom every 500 feet. 1 ea. 50 ft of tidal-seal boom units at 03a. 1 anchor stakes	Same as SE01-06-01		Same as SE01-06-02	Site survey desired to: Check direction and velocity of current. Check anchor points. Assume oil is coming from the north in Felice Channel or east out of Revillagigedo Channel. Tested: not yet
SE01-06-04	Dog Island a. Lat. 55° 01.9 N Lon. 131° 15.4 W b. Lat. 55° 00.1 N Lon. 131° 32 W c. Lat. 54° 59.8 N Lon. 131° 16.5 W d. Lat. 54° 59.7 N Lon. 131° 20.15W	Diversion Protect waters around Dog Island by diverting oil in Felice Strait and Cat Passage to marine recovery units. Diversion locations: a. West side of Cat Island. b. Double Island c. Dog Is. NE cove d. Dog Is. NW side	Use class 2 and class 3 or 4 vessels with deck space to transport equipment. Place protected-water boom using class 6 skiffs. Deploy marine recovery units west of Cat Island, between Double Island and Dog Island, in Dog Bay to recover deflected oil. <u>Boom Arrays</u> a. 3000 ft, 1000 ft cascade. b. 8000 ft, anchor every 500 ft. c. 1000 ft, anchor every 500 ft. d. 3000 ft, 1000 ft cascade.	Deployment Equipment 15000 ft protected-water boom. 30 ea ~40 lbs anchor systems for securing boom every 500 feet. 1 ea. 50 ft of tidal-seal boom units at 04a. 2 anchor stakes 3 marine recovery units Vessels/Personnel/Tending Same as SE01-06-02	Same as SE01-06-01	Same as SE01-06-01	Same as SE01-06-01	Site survey desired to: Check direction and velocity of current. Check chevron and shore side anchor points. Consider possibility of placing skimmers at either end of chevron. Tested: not yet