

Map & Photo Legend



SE03-05 Exchange Cove looking south.

	Free-oil Containment and Recovery, Shallow Water		Tidal-seal Boom
	Diversion Booming		Snare Line
	Deflection Booming, Fixed		Shoreside Recovery, Marine Access
	Passive Recovery and Debris Removal		Possible Staging Area
	Protected-water Boom		Eddy
	Road		Tidal-seal Boom

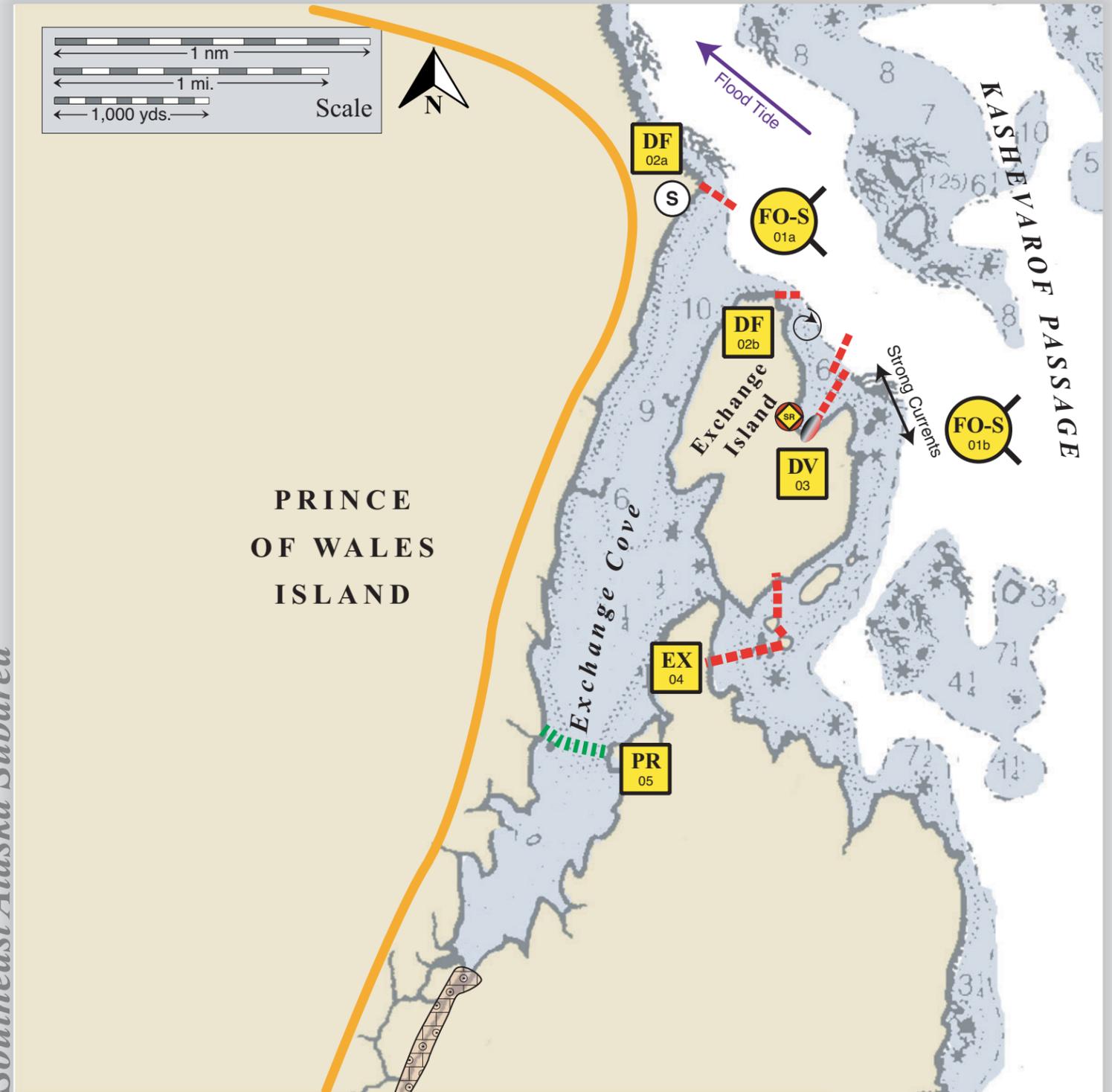


SE03-05-04 Southern entrance to Exchange Cove looking west.

Exchange Cove, SE03-05

Center of map at 56° 12.2' N Lat., 133° 04.0' 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
SE03-05-01	Exchange Cove Nearshore waters in the general area of: a. Lat. 56° 13.1 N Lon. 133° 03.3 W b. Lat. 56° 12.4 N Lon. 133° 02.4 W	Free-oil Recovery- Shallow Water Maximize free-oil recovery in the offshore & nearshore environment at the entrance to Exchange Cove and east of Exchange Island.	Deploy free-oil recovery strike teams upwind and up current of Exchange 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.	Wrangell Harbor; Petersburg Harbor	Via marine waters Chart 17382	Same as SE03-05-02	Vessel master should have local knowledge.
SE03-05-02	Exchange Cove a. Lat. 56° 13.20 N Lon. 133° 03.7 W b. Lat. 56° 12.8 N Lon. 133° 03.3 W	Deflection Deflect oil away from Exchange Cove to free oil strike team.	Use vessels with deck space to transport equipment to the site (class 2 and 3/4). Deploy boom and set anchors with fishing vessels and skiffs (class 3/4/6). Place protected-water boom at the entrances to Exchange Cove to deflect oil to free-oil strike team. Adjust boom angle to maximize deflection under current conditions. Tend throughout the tide. <u>Boom Array</u> a. 800 ft. b. 200 ft.	Deployment Equipment 1000 ft. protected-water boom 10 ea. anchor systems (~40 lbs.) 4 ea. anchor stakes Vessels 1 ea. class 2 1 ea. class 3/4 2 ea. class 6 Personnel / Shift 11 ea. vessel crew Tending Vessels 1 ea. class 3/4 2 ea. class 6 Personnel / Shift 7 ea. vessel crew	Vessel platform Staging area on point at the north mouth of Exchange Cove.	Via marine waters Chart 17382 Thorne Bay is a 2 hour drive, accessible by logging road. Whale Pass is a 15 minute drive by logging road.	Marine mammals-harbor seals Fish-intertidal salmon/trout spawning (coho, pink, chum, Dolly Varden) Birds-waterfowl concentration (winter) Terrestrial mammals-deer Habitat-kelp and eelgrass beds, sheltered tidal flats, marsh	Vessel master should have local knowledge. Probable spill location is north in Snow Passage or Sumner Strait. FOSC Historic Properties Specialist should MONITOR on-site operations. See Figure G-3-6 for equipment locations. Tested: not yet Surveyed: 5/7/03 TLR
SE03-05-03	Exchange Island Lat. 56° 12.5 N Lon. 133° 02.8 W	Divert / Recover Divert oil into small cove on Exchange Island for shoreside recovery.	Deploy anchors and boom with skiffs and fishing vessels (class 3/4/6). Place 900 ft. of protected-water boom extending from identified point to divert oil into the small cove on Exchange Island. Cascade an additional 600 ft. boom further out in Kashevarof Passage. Adjust boom angle as necessary. Establish shoreside recovery unit at a point in the small cove that maximizes recovery of oil. Tend through out the tide.	Deployment Equipment 1500ft. protected-water boom 2 ea. anchor stakes 15 ea. anchor systems (~40 lbs.) 1 ea. shore side recovery unit Vessels, Personnel, Tending 2 ea. response techs. Same as SE03-05-02	See SE03-05-02	See SE03-05-02	Same as SE03-05-02	Vessel master should have local knowledge. Strong currents are present in Kashevarof Passage. Tested: not yet Surveyed: 5/7/03 TLR
SE03-05-04	Exchange Cove Lat. 56° 11.7 N Lon. 133° 03.5 W	Exclusion Exclude oil from entering Exchange Cove from the eastern entrance.	Deploy protected-water boom, using class 4/6 vessels. Place the boom in a pattern appropriate for the current using the islands as anchor points. Keep boom in currents of less than 1 kt.	Deployment Equipment 2200ft. protected-water boom. 20 ea. ~40 lbs anchor systems for securing boom. 8 ea. anchor stakes Vessels / Personnel / Tending Same as SE03-05-02	See SE03-05-02	See SE03-05-02	Same as SE03-05-02	Tested: not yet Surveyed: 5/7/03 TLR
SE03-05-05	Exchange Cove Lat. 56° 11.3 N Lon. 133° 04.5 W	Passive Recovery Minimize impact to designated area through passive recovery using snare line or sorbent boom.	Place and anchor 3300 ft. of snare line or sorbent boom across cove south of Exchange Island, at or above the low tide line.	Deployment Equipment 3300 ft. snare line or sorbent boom 35 ea. anchor stakes Vessels, Personnel, Tending Same as SE03-05-02	See SE03-05-02	See SE03-05-02	Same as SE03-05-02	Use snare line for persistent oils and sorbent boom for non-persistent oils. Surveyed: 5/7/03 TLR