

Map & Photo Legend







▲ Peterson Bay, KB-04-02 as viewed from the North.



◀ Peterson Bay, KB-04-03 as viewed from the Northwest.



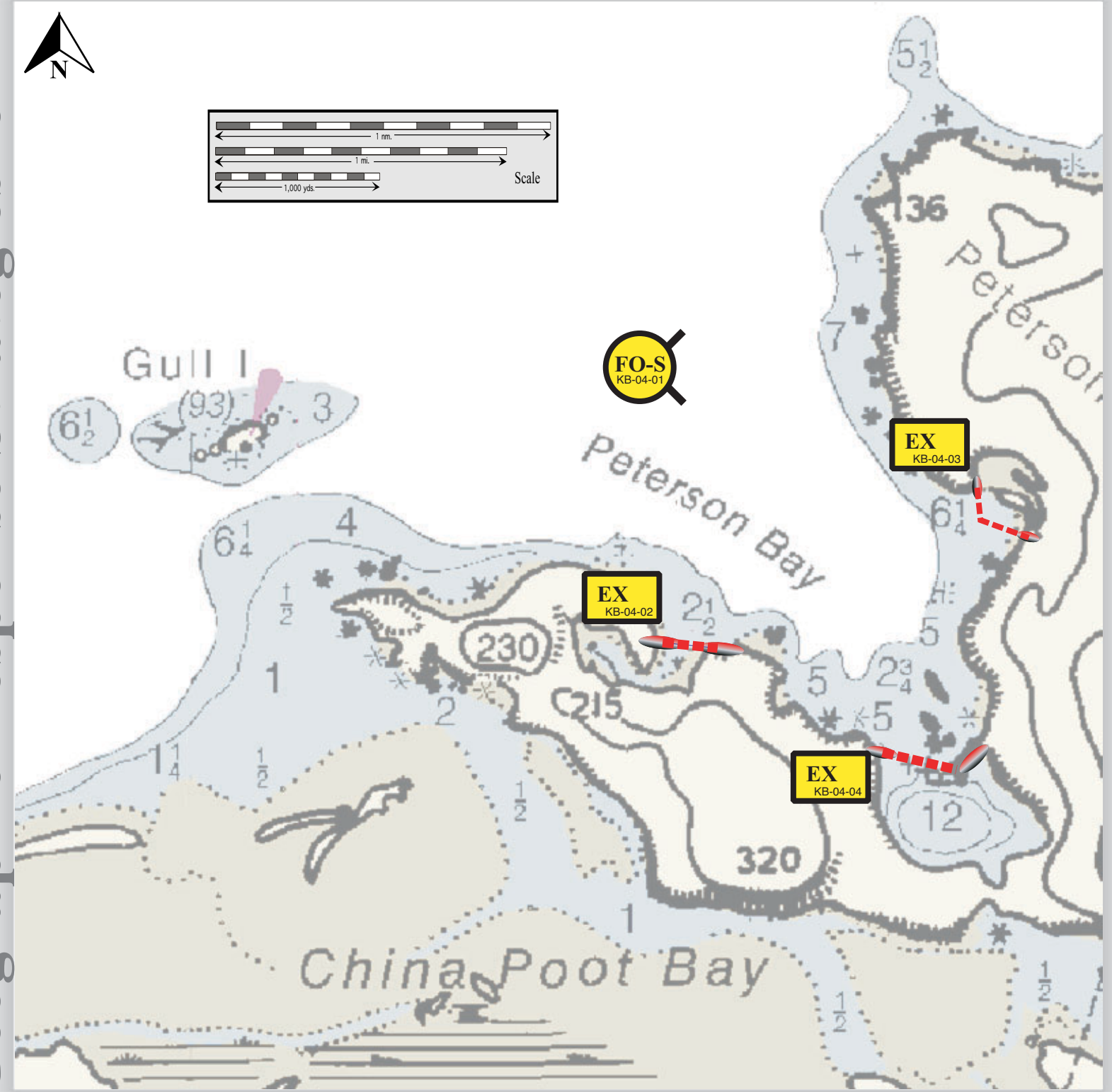
◀ Peterson Bay, KB-04-04 as viewed from the North.

-  Free-oil Containment and Recovery, Shallow Water
-  Exclusion Booming
-  Shore-seal Boom
-  Protected-water Boom

Geographic Response Strategies for

Peterson Bay, KB-04

Center of map at 59° 34.7' N Lat., 151° 17.2' W Lon.



This map is not intended to be used for navigation.

Soundings in fathoms

	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
KB-04-01	Peterson Bay Nearshore waters in the general area of: Lat. 59° 34.7 N Lon. 151° 17.2 W	Nearshore Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment outside the tidal flats.	Deploy nearshore free-oil recovery strike teams upwind and up current of the river mouth. Use aerial surveillance to locate incoming slicks.	Multiple nearshore free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Homer Harbor, vessel platform or dock in Halibut Cove	Via marine waters. See NOAA chart 16645-1.	Same as KB-04-02	FOSC Historic Properties Specialist should MONITOR on-site operations.
KB-04-02	Peterson Bay SW Cove Lat. 59° 34.6 N Lon. 151° 17.7 W Located on the South side of Kachemak Bay between Halibut Cove and China Poot Bay, provides good protection from E-W winds. A foul area exists around the small islands near the head of the bay. A submerged rock covered 8 feet is in the center of the channel abeam of the largest island. Depths at the head of the bay are 6 to 14 fathoms.	Exclusion Exclude oil from entering cove on southwest side of bay.	Use class 3 and class 4 vessels with deck space to transport equipment to site, and class 6 setnet or seine skiffs to deploy boom and anchors. Place 800 feet of protected-water boom, with shore seal on each end, across cove to prevent oil from entering the cove. Place shore seal at or near high tide line.	Deployment Equipment 800 ft. protected-water boom 100 ft. shore seal boom 4 ea. anchor stakes 7 ea. anchor systems (≤40 lbs.) Vessels 1 ea. class 3 1 ea. class 4 2 ea. class 6 Personnel / Shift 9 ea. vessel crews Tending Vessels 1 ea. class 4 1 ea. class 6 Personnel / Shift 3 ea. vessel crew	Homer Harbor, vessel platform or dock in Halibut Cove	Via marine waters. See NOAA chart 16645-1.	Seabird feeding (year-round) Waterfowl concentration area (year-round) Shorebird concentration area (April-May) Marsh Sheltered rocky shoreline High density kelp beds Sea Otters (year-round) Intertidal Herring spawning Aquaculture High use commercial fishing	FOSC Historic Properties Specialist should MONITOR on-site operations. Tested: No
KB-04-03	Peterson Bay Northeast Cove Lat. 59° 34.9 N Lon. 151° 16.0 W	Exclusion Exclude oil from entering cove on northeast side of bay.	Place 1300 feet of protected-water boom, with shore seal on each end, across cove to prevent oil from entering the cove.	Deployment Equipment 1300 ft. protected-water boom 100 ft. shore seal boom 20 ea. large anchor systems Vessels, Personnel, Tending Same as KB-04-02	Homer Harbor, vessel platform or dock in Halibut Cove	Via marine waters. See NOAA chart 16645-1.	Same as KB-04-02	FOSC Historic Properties Specialist should MONITOR on-site operations. Tested: No
KB-04-04	Head of Peterson Bay Lat. 59° 34.3 N Lon. 151° 16.4 W	Exclusion Exclude oil from entering head of bay.	Place 1000 ft. protected-water boom from west side of bay to island, and 300 ft. of shore seal boom from island, across sand bar, to east side of bay. Consider extra shore seal boom on 20+ ft. tide.	Deployment Equipment Array 1 1000 ft. protected-water boom 300 ft. shore seal boom 8 ea. anchor systems (≤40 lbs.) Array 2 300 ft. shore seal boom 2 ea. anchor systems (≤40 lbs.) Vessels, Personnel, Tending Same as KB-04-02	Homer Harbor, vessel platform or dock in Halibut Cove	Via marine waters. See NOAA chart 16645-1.	Same as KB-04-02	Oyster farms may conflict with this tactic. FOSC Historic Properties Specialist should MONITOR on-site operations. Tested: No