

Map
& Photo

Legend



SE04-04 Looking south at West Brother Island.



SE04-04 Looking northeast over the Brothers Islands.



SE04-04 Looking southwest over the Brothers Islands.

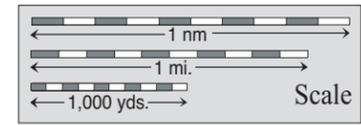
-  Free-oil Containment and Recovery, Shallow Water
-  Exclusion Booming
-  Deflection Booming, Fixed
-  Open-water Boom

Geographic Response Strategies for

Southeast Alaska Subarea

The Brothers, SE04-04

Center of map at 57° 17.6' N Lat., 133° 50.6' W Lon.



FO-S
01

DF
03a

EX
02

DF
03b

FO-S
01

STEPHENS PASSAGE

West
Brother
Island

East
Brother
Island

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
SE04-04-01	The Brother Islands Nearshore waters in the general area of: Lat. 57° 17.6 N Lon. 133° 50.6 W	Free-oil Recovery- Shallow Water Maximize free-oil recovery in the offshore & nearshore environment of The Brothers Islands depending on spill source and trajectory.	Deploy free-oil recovery strike teams upwind and up-current of The Brother Islands. 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	Via marine waters Chart 17320	Same as SE04-04-02	Vessel masters should have local knowledge.
SE04-04-02	The Brother Islands Lat. 57° 16.17 N Lon. 133° 52.48 W The southern most island in the Brother Island group. Approx. 3500 ft. southwest of the West Island.	Exclusion Exclude oil from entering identified areas around The Brother Islands.	Transport equipment by vessel (class 2/3/4). Place protected-water boom and anchors in a diamond shape around the island. Tend throughout the tide.	Deployment Equipment 9000 ft open water boom 4 ea. anchor systems (~1000 lbs.) 20 ea. anchor systems (~40 Lbs.) Vessels 3 ea. class 2 3 ea. class 3/4 2 ea. class 6 Personnel / Shift 25 ea. vessel crew Tending Vessels 1 ea. class 3/4 1 ea. class 6 Personnel / shift 4 ea. vessel crew	Vessel platform	Via marine waters Chart 17320	Marine mammals-harbor seals, Steller sea lion haulout(500 yd. exclusion zone) & rookery (1/4 to 1/2 mile exclusion zone) Birds-seabirds, waterfowl, shorebirds (all year-round) Human use-high recreational use (May-September)	Vessel masters should have local knowledge. Consider the use of live deflection booms if sea state is marginal. FOOSC Historic Properties Specialist should INSPECT site prior to operations. See Figure G-3-8 for equipment locations. Tested: not yet
SE04-04-03	The Brother Islands a. West Brother Island Lat.57° 17.07 N Lon. 133° 52.23 W b. East Brother Island Lat.57° 17.38 N Lon. 133° 48.73 W	Deflection-Fixed Deflect oil from The Brothers Islands and the identified sensitive areas. Establish boom position on The Brother Islands to maximize the deflection of oil. Order of deployment should be determined by spill source and trajectory.	Place boom and anchor system with fishing vessels and skiffs (class 3/4/6). Position boom at appropriate angle to deflect oil from The Brother Islands and set up for nearshore free-oil recovery. <u>Boom Length</u> a. 5800 ft. b. 3800 ft.	Deployment Equipment 9600 ft. open-water boom 4 ea. anchor systems (~1000 lbs.) 25 ea. anchor systems (~40 lbs.) Vessels, Personnel/Shift Same as SE-04-04-02 Tending Same as SE-04-04-02	Vessel platform	Via marine waters Chart 17320	Same as SE04-04-02	Vessel master should have local knowledge. Tested: not yet