

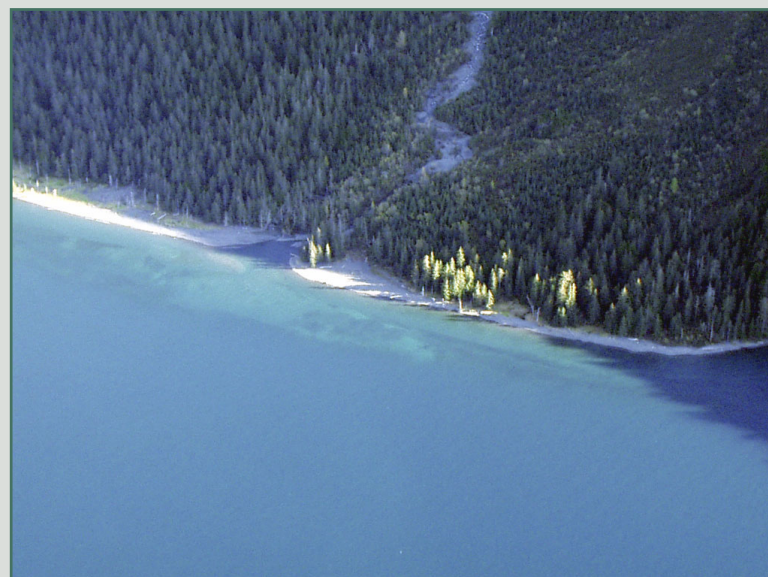
Map & Photo Legend











▲ Thumb Cove SZ-04, head of the cove.



◀ View of SZ-04-04 from the northwest.



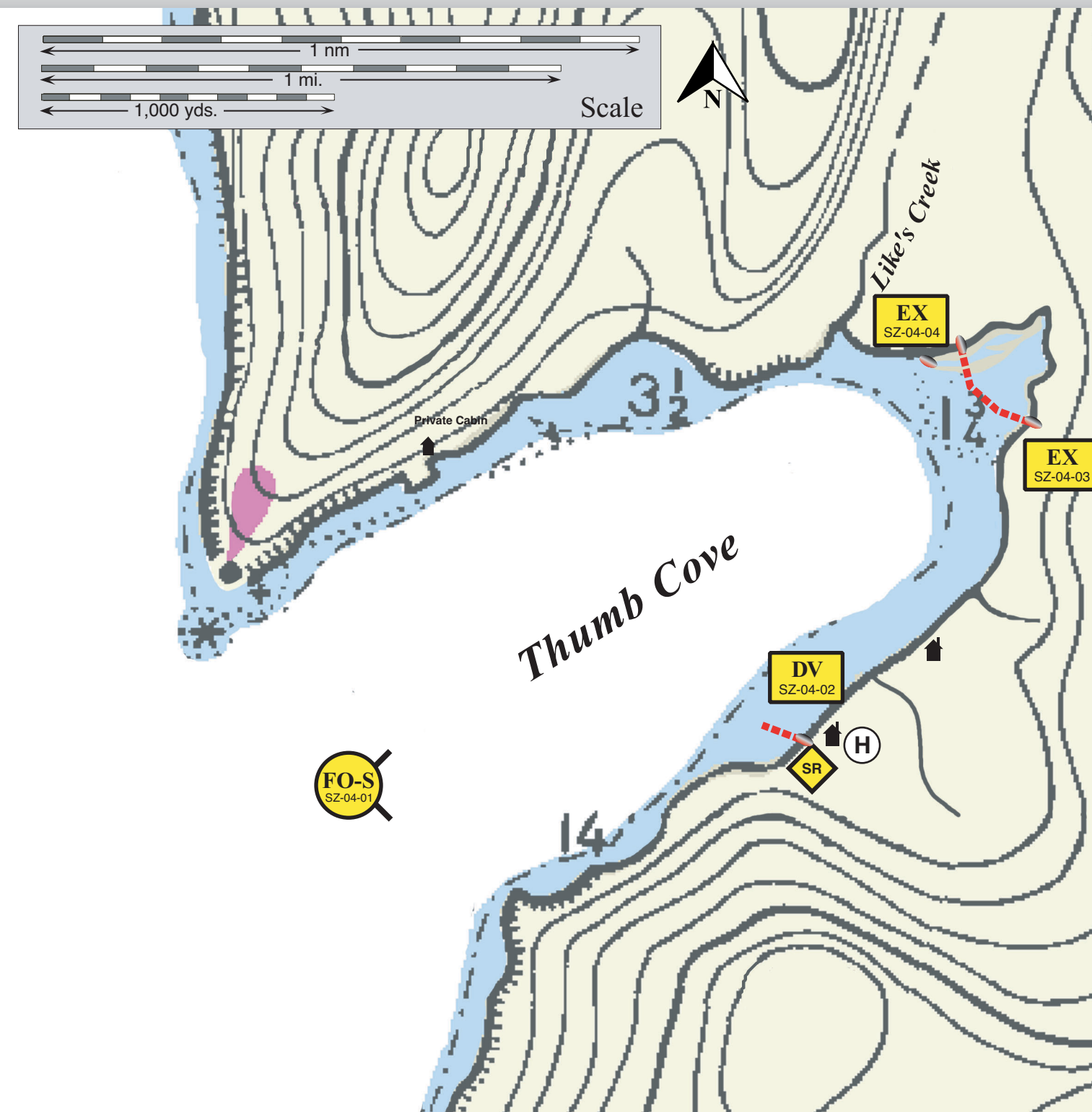
◀ View of SZ-04-02 from the northwest.

-  Free-oil Containment and Recovery, Shallow Water
-  Exclusion Booming
-  Diversion Booming
-  Shoreside Recovery
-  Protected-water Boom
-  Tidal-seal Boom
-  Helicopter Landing Zone
-  Public Cabin

Geographic Response Strategies for

Thumb Cove, SZ-04

Center of map at 60° 00.2' N Lat., 149° 19.3' W Lon.



This map is not intended to be used for navigation.

Soundings in fathoms

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
SZ-04-01	Thumb Cove Nearshore waters in the general area of: Lat. 60° 00.07 N Lon. 149° 19.64 W	Nearshore Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Thumb Cove depending on spill source and trajectory.	Deploy nearshore free-oil recovery strike teams upwind and up current of Thumb Cove. Use aerial surveillance to locate incoming slicks.	Deploy multiple nearshore free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Seward	Via marine waters Chart 16682-1	Same as SZ-04-02	Vessel master should have local knowledge. Site surveyed: 9/09/02 GRS WG
SZ-04-02	Thumb Cove Lat. 60° 00.3 N Lon. 149° 18.02 W	Divert and Collect Divert oil to shore-side collection points determined by spill source and trajectory.	Transport equipment by vessel (class 2/3/4) from Seward. Deploy anchors and boom with fishing vessels or skiffs (class 3/4/6). Place protected-water boom at the proper angle to divert oil to collection site. Set up collection unit and tend throughout the tide.	Deployment Equipment 400 ft. protected-water boom 1 section ≥50 ft. tidal-seal boom 3 ea. anchor systems (~20 lbs.) 1 ea. deadman anchor for beach 1 ea. shore-side collection unit Vessels 2 ea. class 3/4 2 ea. class 6 Personnel/Shift 11 ea. vessel crew 3 ea. response techs Tending Vessels 1 ea. class 3/4 1 ea. class 6 Personnel/Shift 4 ea. vessel crew 2 ea. response techs	Vessel platform	Via marine waters Chart 16682-1	Fish-intertidal spawning-salmon, herring Marine mammals-sea otter, seals Birds- shorebird feeding, waterfowl-murrelets Habitat-sheltered tidal flats, eel grass, fucus, intertidal resources-mussels Human use- high recreational use (June–Sept.), commercial fishing	Take appropriate measures as outlined in Part 2 of this document to protect the beach at the collection site. Chugach National Forest owns the head of the cove and Like’s Creek. State Park public use cabins are on the south side of the cove. Site surveyed: 9/09/02 GRS WG Tested: not yet
SZ-04-03	Thumb Cove Northeastern beach Lat. 60° 00.74 N Lon. 149° 17.47 W	Exclusion Exclude oil from impacting the northeastern beach.	Transport equipment by vessel (class 2/3/4) from Seward. Deploy anchors and boom with fishing vessels and skiffs (class 3/4/6). Place tidal-seal boom across intertidal zone and protected-water boom in a chevron pattern in front of the eel grass on northeastern beach. Tend throughout the tide.	Deployment Equipment 1200 ft. protected-water boom 2 sections ≥50 ft. tidal-seal boom 4 ea. anchor systems (~20 lbs.) 1 ea. apex anchor (~200 lbs.) 4 ea. anchor stakes Vessels/Personnel/Shift Same as SZ-04-02 Tending Vessels/Personnel/Shift Same as SZ-04-02	Vessel platform	Via marine waters Chart 16682-1	Same as SZ-04-02	Vessel master should have local knowledge. REPORT any cultural resources found during operations to FOSC Historic Properties Specialist. Site surveyed: 9/09/02 GRS WG Tested: not yet
SZ-04-04	Thumb Cove Lagoon at the head of the cove Lat. 60° 00.76 N Lon. 149° 17.53 W	Exclusion Exclude oil from entering the small lagoon near the head of Thumb Cove.	Transport equipment by vessel (class 2/3/4) from Seward. Deploy anchors and boom with skiffs (class 6). Place and anchor tidal-seal boom across the entrance to the lagoon. Tend throughout the tide.	Deployment Equipment 1 section ≥50 ft. tidal-seal boom 6 ea. anchor stakes Vessels/Personnel/Shift Same as SZ-04-02 Tending Vessels/Personnel/Shift Same as SZ-04-02	Vessel platform	Via marine waters Chart 16682-1	Same as SZ-04-02	Vessel master should have local knowledge. Site surveyed: 9/09/02 GRS WG Tested: not yet