

Map & Photo Legend












East Glacier Creek viewed from the south.



Shelter Creek viewed from the southeast.



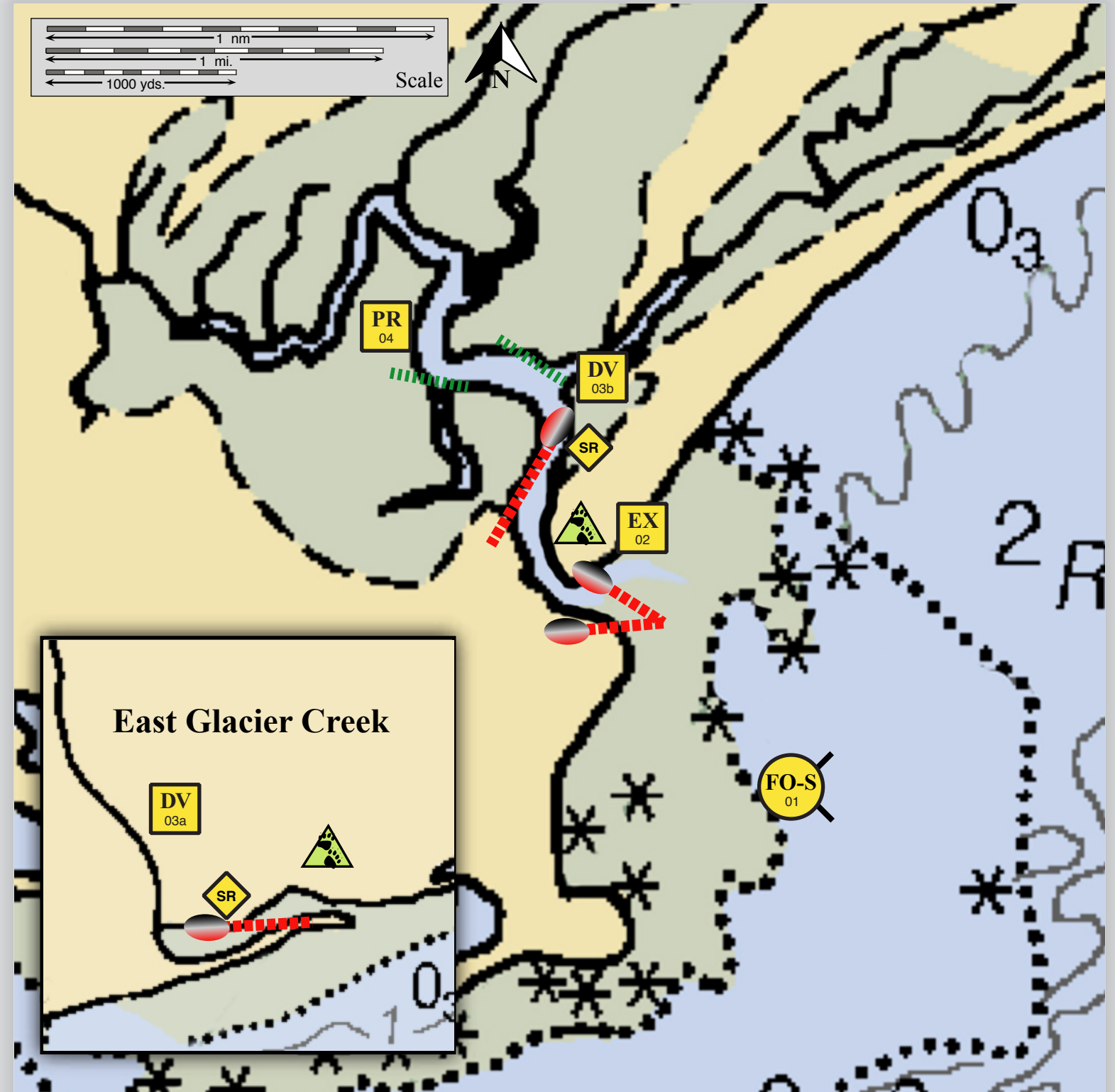
Shelter Creek viewed from the east.

-  Free-oil Recovery
-  Diversion Booming
-  Passive Recovery
-  Exclusion Booming
-  Shoreside Recovery
-  Tidal Seal Boom
-  Protected-water Boom
-  Passive Recovery Boom
-  Bears in Area - Guards Needed

Geographic Response Strategies for Central Cook Inlet/Lake Clark National Park

Shelter Creek, CCI-23

Center of map at 59° 53.16' N Lat., 152° 48.45' W Lon.



This is not intended for navigational use.

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
CCI-23-01 <div>FO-S</div>	Shelter Creek and East Glacier Creek Nearshore waters in the general area of: Lat. 59° 53.08 N Lon. 152° 48.13 W	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Shelter Creek depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of SHELTER CREEK. Use aerial surveillance to locate incoming slicks.	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Homer Harbor or Snug Harbor	Via marine waters Chart 16661-1	Same as CCI-23-02	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks.
CCI-23-02 <div>EX</div>	Shelter Creek Lat. 59° 53.18 N Lon. 152°48.57 W	Exclusion Exclude oil from impacting the identified stream and intertidal area in Shelter Creek.	Deploy anchors and boom with skiffs (class 6). Place a 100 ft. section of tidal seal boom on each shore and complete the exclusion with 1800 ft. of protected-water boom. Tend throughout the tide.	Deployment Equipment 1800 ft. protected-water boom 200 ft. tidal-seal boom 16 ea. small anchor systems 10 ea. anchor stakes Vessels 1 ea. class 3 1 ea. class 6 Personnel/Shift 5 ea. vessel crew Tending Vessels 1 ea. class 3 1 ea. class 6 Personnel/Shift 3 ea. vessel crew	Vessel platform	Via marine waters Chart 16661-1	Fish- intertidal spawning- salmon (May-Sept.) Birds-waterfowl concentration Marine mammals-seals Human use-commercial fishing, subsistence, high recreation use Habitat- marsh, gravel beaches	Vessel master should have local knowledge. Local bear viewing lodges may provide local knowledge and support for operations. A large population of bears forage on the tidal flats in the spring/summer and during salmon runs. A bear guard is required during these periods Site surveyed: 9/12/10 Title 41 permitting required from ADNR. Access unlikely with tides under 14 ft. Tested: not yet
CCI-23-03 <div>DV</div>	Shelter Creek and East Glacier Creek a. Lat. 59° 53.43 N Lon. 152°48.61 W b. Lat. 59° 52.79 N Lon. 152°54.87 W	Divert and Collect Divert oil to shore-side collection points determined by spill source and trajectory.	Deploy anchors and boom with skiffs (class 6). For Shelter Creek place 200 ft. of tidal-seal on the collection beach complete with 1000 ft. of protected-water boom at proper angle to divert incoming oil to the collection site. On array (b) at Glacier Creek place 100 ft. tidal-seal on the collection beach and complete with 800 ft. of protected-water boom. Set-up collection site using shore-side collection units or if oil volume is minimal, use sorbent boom or snare line to collect oil. Tend throughout the tide.	Deployment Equipment 1800 ft. protected-water boom 300 ft. tidal-seal boom 7 ea. small anchor systems 8 ea. anchor stakes 2 ea. shore-side collection units Vessels/Personnel/Shift Same as CCI-23-02 Tending Vessels/Personnel/Shift Same as CCI-23-02	Vessel platform	Via marine waters Chart 16661-1	Same as CCI-23-02	Vessel master should have local knowledge. Take appropriate measures as outlined in STAR Manual -to protect the beach at the collection site. Title 41 permit may be required from ADNR. During winter months formation of pan ice in the bays may occur during colder periods. In the event of ice conditions, focus on free-oil recovery. Tested: not yet
CCI-23-04 <div>PR</div>	Shelter Creek In the general area of: Lat. 59° 53.46 N Lon. 152°48.72 W	Passive Recovery Place passive recovery across the channels of the streams leading into the marshes in Shelter Creek	On a flooding tide, use skiffs (class 6) to place and anchor snare line or sorbent boom across the channels in Shelter Creek. Replace as necessary to maximize the recovery.	Deployment Equipment 1500 ft. snare line or sorbent boom 10 ea. small anchor systems 10 ea. anchor stakes Vessels/Personnel/Shift Same as CCI-23-02 Tending Vessels/Personnel/Shift Same as CCI-23-02	Vessel platform	Via marine waters Chart 16661-1	Same as CCI-23-02	Use snare line for persistent oils and sorbent boom for non-persistent oils. Title 41 permitting required from ADNR. Tested: not yet