

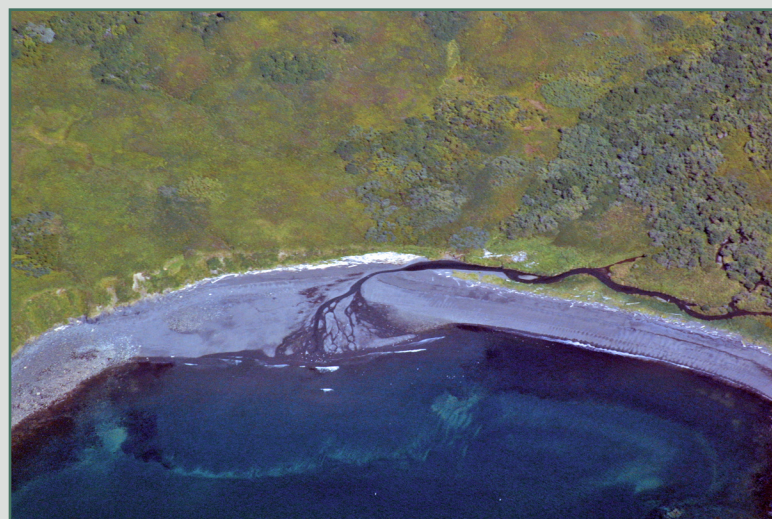
# Map & Photo Legend



Chief Cove EX-02a and EX-02b.



Chief Cove and Bird Rock view from the southeast.



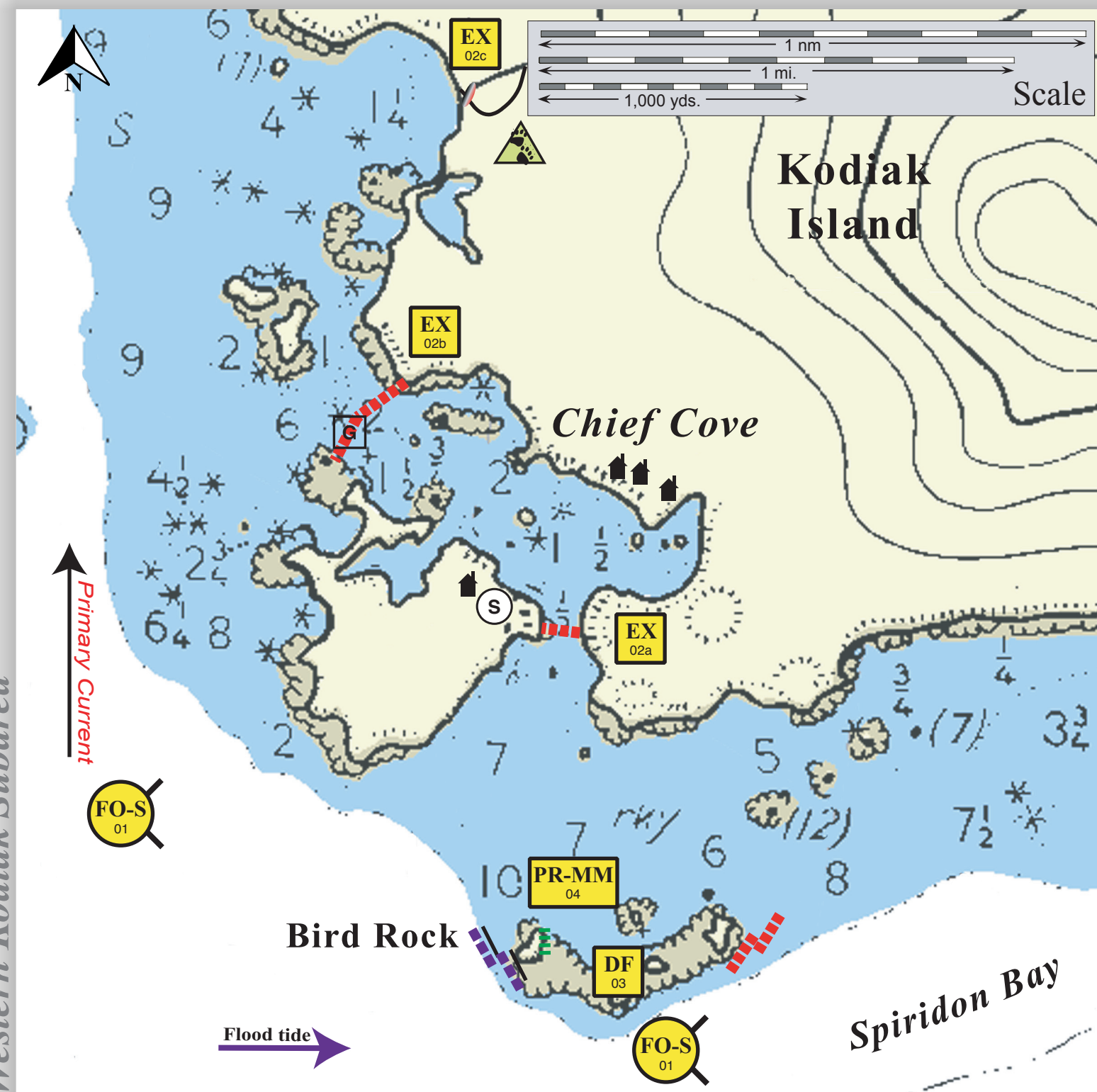
EX-02c stream and beach viewed from the west.

- Free-oil Containment and Recovery, Shallow Water
- Exclusion Booming
- Deflection Booming
- Passive Recovery and Collection, Marine Access
- Protected-water Boom
- Protected-water Boom, Flood Tide
- Tidal-seal Boom
- Snare Line
- Gate
- Staging Area
- Private Cabins
- Bears in Area, Guards Recommended

## Geographic Response Strategies for Western Kodiak Subarea

### Chief Cove, K-27





Center of map at 57° 42.4' N Lat., 153° 54.8' W Lon.



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
K-27-01 	<b>Chief Cove</b> Nearshore waters in the general area of:  Lat. 57° 41.6 N Lon. 153° 55.5 W	<b>Free-oil Recovery</b> Maximize free-oil recovery in the offshore & nearshore environment of Chief Cove depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Chief Cove.  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.	Larsen Bay/Chief Cove	Via marine waters  Chart 16597-1	Same as K-27-02	Vessel master should have local knowledge.  Use extreme caution, shoal waters with numerous reefs and rocks.
K-27-02 	<b>Chief Cove</b> a. Lat. 57° 42.27 N Lon. 153° 54.50 W  <i>With Gate</i> b. Lat. 57° 42.64 N Lon. 153° 55.07 W  c. Lat. 57° 43.46 N Lon. 153° 54.79 W	<b>Exclusion with Gate</b> Exclude oil from impacting the identified stream and intertidal area in Chief Cove.	Deploy anchors and boom with skiffs (class 6) at high tide.  Place protected-water boom behind Village Island to the mainland to protect the intertidal area. Place a gate in array (b) for access to the Cove.  Place tidal seal across the stream mouth in array (c).  Tend throughout the tide.  <u>Boom Lengths:</u>  a. 450 ft. b. 1400 ft. c. 100 ft. tidal-seal	<b>Deployment Equipment</b> 1850 ft. protected-water boom 100 ft. tidal-seal boom 9 ea. small anchor systems 12 ea. anchor stakes 1 ea. gate system <b>Vessels</b> 1 ea. class 3 2 ea. class 6 <b>Personnel/Shift</b> 7 ea. vessel crew <b>Tending Vessels</b> 1 ea. class 3/4 1 ea. class 6 <b>Personnel/Shift</b> 3 ea. vessel crew	Vessel platform or Chief Cove shelters.  Local set-net site on Village Island and recreational cabins in Chief Cove may provide logistic support and lodging. Consult the Native Village of Larsen Bay or the Kodiak Island Borough for current ownership.	Via marine waters  Chart 16597-1	Fish- intertidal spawning-salmon (May-Sept.), herring (April-May)  Birds-Seabird nesting, waterfowl concentration, eagle nesting  Marine mammals- seals, sea lions, otters  Human use-Subsistence, commercial fishing  Habitat- marsh, sheltered rocky shoreline	Vessel master should have local knowledge.  FOSC Historic properties specialist should MONITOR operations.  A large bear population exists in the area; bear guards may be necessary.  Title 41 permitting required from ADNR.  Site surveyed: 7/21/05 KGRS Tactics Committee.  Tested: not yet
K-27-03 	<b>Bird Rock</b> Flood tide  Lat. 57° 41.61 N Lon. 153° 54.74 W  Ebb Tide  Lat. 57° 41.76 N Lon. 153° 53.61 W	<b>Deflection</b> Deflect oil away from Bird Rock outside Chief Cove to free-oil recovery.	Deploy boom and anchor system with skiffs (class 6).  Establish anchors at both the flood and ebb positions. Use a cascaded array to deflect oil away from Bird Rock.  Switch array with the change in the tide.	<b>Deployment Equipment</b> 1200 ft. protected-water boom 12 ea. small anchor systems <b>Vessels/Personnel/Shift</b> Same as K-27-02 <b>Tending Vessels/Personnel/Shift</b> Same as K-27-02	Vessel platform or Chief Cove shelters.  Local set-net site on Village Island and recreational cabins in Chief Cove may provide logistic support and lodging. Consult the Native Village of Larsen Bay or the Kodiak Island Borough for current ownership.	Via marine waters  Chart 16597-1	Same as K-27-02	Vessel master should have local knowledge.  Tested: not yet
K-27-04 	<b>Bird Rock-Haulouts</b> Actual location of this protection strategy will depend on field assessment at the time of deployment. In the general area of:  Lat. 57° 41.63 N Lon. 153° 54.58 W	<b>Passive Recovery-MM</b> Minimize impact to marine mammal haulouts.  Deploy after consulting with National Marine Fisheries Service.	Broadcast sorbent material on haulout areas immediately prior to or after oil spill impact.  Monitor after each high tide and replace as necessary.  Minimize disturbance of marine mammals.	<b>Deployment Equipment</b> Broadcast sorbent materials 1 ea. broadcasting system <b>Vessels/Personnel/Shift</b> Same as K-27-02 <b>Tending Vessels/Personnel/Shift</b> Same as K-27-02	Vessel platform	Via marine waters  Chart 16597-1	Same as K-27-02	Consult with the National Marine Fisheries Service prior to implementing this tactic.