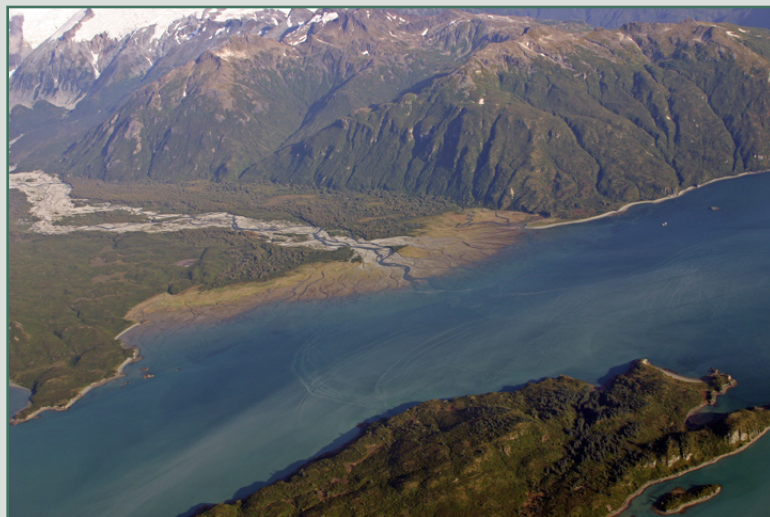


# Map & Photo Legend











DF-02, PR-04a,b&c, viewed from the south.



Back of Kukak Bay, PR-04e & f, viewed from the northeast.



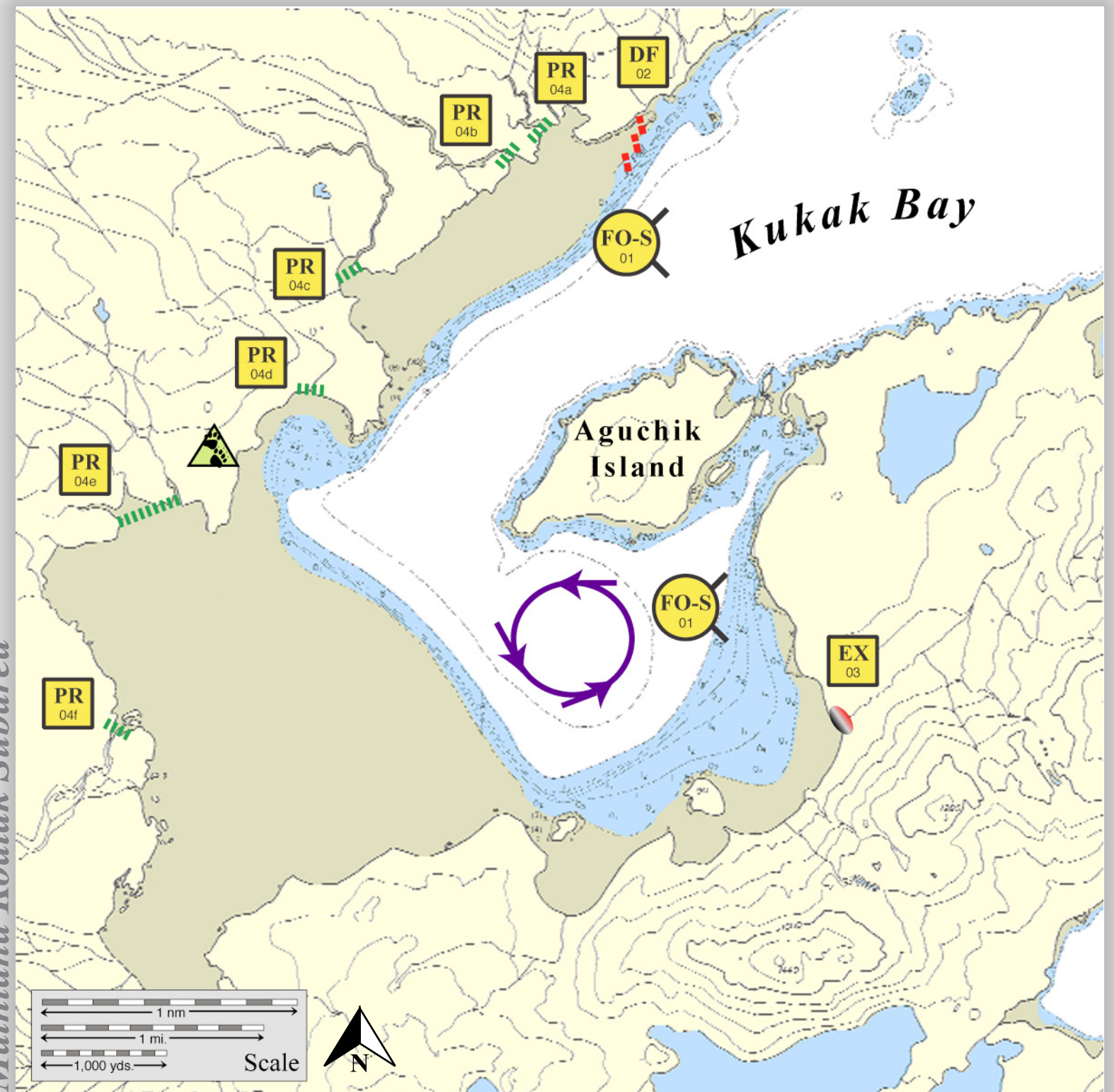
Kukak Bay viewed from the east.

-  Free-oil Containment and Recovery, Shallow Water
-  Exclusion Booming
-  Deflection Booming
-  Passive Recovery and Collection
-  Protected-water Boom
-  Snare Line
-  Tidal-seal Boom
-  Bears in Area, Guards Recommended

## Geographic Response Strategies for Mainland Kodiak Subarea

### Kukak Bay, K-53





Center of map at 58° 18.3' N Lat., 154° 15.6' 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
KGRS-53-01 	<b>Kukak Bay</b> Nearshore waters in the general area of:  Lat. 58° 16.8 N Lon. 154°17.1 W	<b>Free-oil Recovery</b> Maximize free-oil recovery in the offshore & nearshore environment of Kukak depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of the Kukak Bay.  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.	Vessel Platform	Via marine waters  Chart 16603-1	Same as KGRS-53-02	Vessel master should have local knowledge.  Local conditions establish currents and natural collection areas.  Use extreme caution, shoal waters with numerous reefs, rocks and extensive tidal flats.
KGRS-53-02 	<b>Kukak Bay</b> Lat. 58° 18.75 N Lon. 154°16.57 W	<b>Deflection</b> Deflect oil away from Kukak Bay shoreline and back into the channel for free-oil recovery.	Deploy boom and anchor system with skiffs (class 6).  Position the cascaded booms extending from shore to deflect oil.  If necessary, let the array flag on the ebb tide.	<b>Deployment Equipment</b> 900 ft. protected-water boom 9 ea. small anchor systems <b>Vessels</b> 1 ea. class 3 2 ea. class 6 <b>Personnel/Shift</b> 7 ea. vessel crew/general tech <b>Tending Vessels</b> 1 ea. class 3/4 1 ea. class 6 <b>Personnel/Shift</b> 3 ea. vessel crew/general tech	Vessel platform	Via marine waters  Chart 16603-1	Fish- intertidal spawning- herring (April-May), salmon (May-Sept.)  Birds-Seabird nesting, waterfowl concentrations, eagle nesting  Marine mammals- seals, otters  Habitat- marsh, sheltered rocky shoreline, sheltered tidal flats  Human Use-high recreational use, wildlife viewing, commercial fishing.	Vessel master should have local knowledge.  Kukak Bay Lodge may provide support and local knowledge.  Site surveyed: 7/12/05 KGRS Tactics Committee.  Tested: not yet
KGRS-53-03 	<b>Kukak Bay</b> Lat. 58° 16.37 N Lon. 154°15.33 W	<b>Exclusion</b> Exclude oil from impacting the identified salmon stream.	Deploy anchors and boom with skiffs (class 6) at high tide.  Place 30 ft. of tidal-seal boom across the stream mouth.  Tend throughout the tide.	<b>Deployment Equipment</b> 30 ft. tidal-seal boom 1 ea. small anchor systems 4 ea. anchor stakes <b>Vessels/Personnel/Shift</b> Same as KGRS-53-02 <b>Tending Vessels/Personnel/Shift</b> Same as KGRS-53-02	Vessel platform	Via marine waters  Chart 16603-1	Same as KGRS-53-02	Vessel master should have local knowledge.  A large population of bears forage on the tidal flats in the spring and are present during salmon runs. A bear guard is required during these periods.  Title 41 - Fish Habitat Permit required from ADNR.  Tested: not yet
KGRS-53-04 	<b>Kukak Bay</b> <b>a.</b> Lat. 58° 18.66 N Lon. 154°17.57 W <b>b.</b> Lat. 58° 18.40 N Lon. 154°18.01 W <b>c.</b> Lat. 58° 18.13 N Lon. 154°18.93 W <b>d.</b> Lat. 58° 17.19 N Lon. 154°20.43 W <b>e.</b> Lat. 58° 16.36 N Lon. 154°20.63 W <b>f.</b> Lat. 58° 16.36 N Lon. 154°20.63 W	<b>Passive Recovery</b> Place passive recovery across the mouths of the designated salmon streams.	Approach the identified streams and intertidal areas on rising tide.  Place and anchor snare or sorbent boom across the mouths of the designated salmon streams and intertidal areas.  Replace as necessary to maximize the recovery.  <u>Boom Lengths:</u> a. 500 ft. b. 300 ft. c. 300 ft. d. 150 ft. e. 900 ft. f. 500 ft.	<b>Deployment Equipment</b> 2650 ft. snare or sorbent boom 24 ea. anchor stakes <b>Vessels/Personnel/Shift</b> KGRS-53-02 <b>Tending Vessels/Personnel/Shift</b> KGRS-53-02	Vessel platform	Marine  Chart 16603-1	Same as KGRS-53-02	Use snare boom for persistent oils and sorbent boom for non-persistent oils.  Title 41 - Fish Habitat Permit required from ADNR.