

# Map & Photo Legend










SWCI-03-03a Akumwarvik Bay looking south.



SWCI-03-02a,b Kamishak River and Little Kamishak River looking south.



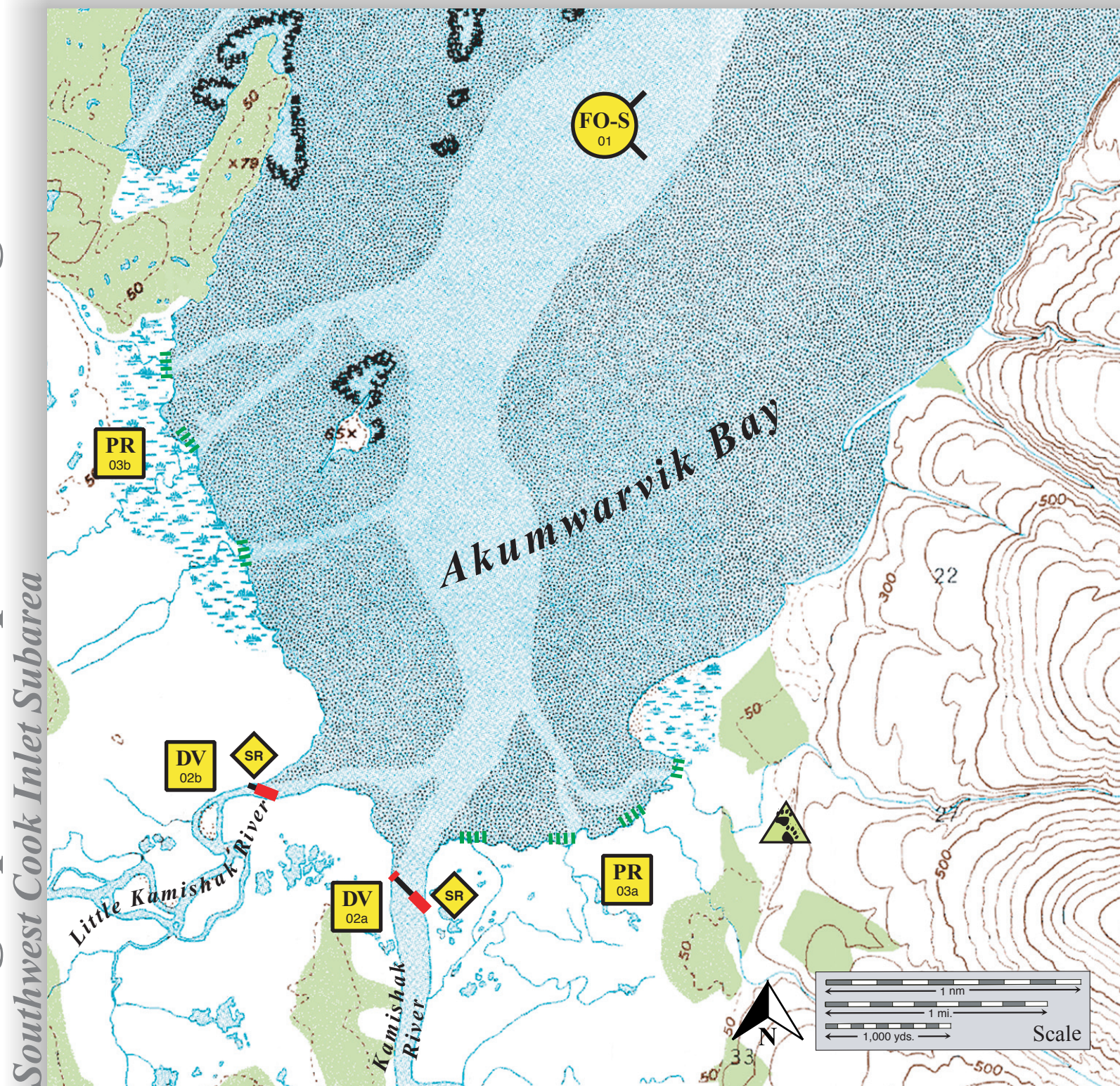
SWCI-03 Akumwarvik Bay looking southwest.

-  Free-oil Containment and Recovery, Shallow Water
-  Diversion Booming
-  Passive Recovery and Collection
-  Calm-water Boom
-  Passive Collection (Snare Line)
-  Shoreside Recovery
-  Bears in Area, Guards Needed

## Geographic Response Strategies for Southwest Cook Inlet Subarea

# Akumwarvik Bay, SWCI-03

Center of map at 59° 01.37' N Lat., 154° 10.' 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
SWCI-03-01	<b>Akumwarvik Bay</b> Nearshore waters in the general area of:  Lat. 59° 05.5 N Lon. 154° 04.8 W	<b>Free-oil Recovery</b> Maximize free-oil recovery in the offshore & nearshore environment of Akumwarvik Bay depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Akumwarvik 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.	Homer or Kenai	Via marine waters  Chart 16648-1  Via helicopter	Same as SWCI-03-02	Vessel master should have local knowledge.  Use extreme caution, shoal waters with numerous reefs and rocks.  Due to shallow water, water becomes rough quickly when wind blows from the north.
SWCI-03-02	<b>Kamishak River</b> a. Lat. 59° 01.05 N Lon. 154° 09.95 W  <b>Little Kamishak River</b> b. Lat. 59° 01.39 N Lon. 154° 10.75 W	<b>Divert and Collect</b> Divert oil to shore-side collection points determined by spill source and trajectory.	Transport equipment by vessel (class 2/3/4) or helicopter.  Deploy anchors and boom with skiffs (class 6).  Place protected-water boom at the proper angle to divert oil to recovery site.  Use passive recovery or set up collection unit and tend throughout the tide.  <u>Boom lengths:</u> a. 1200 ft. b. 1000 ft.	<b>Deployment Equipment</b> 2200 ft. calm-water boom 11 ea. anchor systems (~20 lbs.) 8 ea. anchor stakes 2 ea. shore-side collection unit or passive recovery <b>Vessels</b> 2 ea. class 3/4 1 ea. class 6 <b>Personnel/Shift</b> 8 ea. vessel crew 4 ea. response techs <b>Tending Vessels</b> 1 ea. class 3/4 1 ea. class 6 <b>Personnel/Shift</b> 3 ea. vessel crew 4 ea. response techs	Vessel platform  Nearest anchorage is at Nordyke Island.  Nearest shelter is at ADF&G cabin in McNeil Cove.	Via marine waters  Chart 16648-1	Fish-intertidal spawning-salmon, dolly varden  Birds-waterfowl concentrations , shorebird feeding (April-Sept.)  Habitat-sheltered tidal flats, marsh, sheltered rocky shoreline  Human use- high recreational use-wildlife viewing (May–Sept.)	Take appropriate measures as outlined in Part 2 of this document to protect the beach at the collection site.  REPORT any cultural resources found during operations to FOSC Historic Properties Specialist.  Deploy at +15 ft. tides. Use GPS to document channel.  High concentration of brown bears. Consider using bear guards.  Title 41 permit required by ADNR.  Site surveyed: 9/08/03 SWCI GRS Tactics Committee  Tested: not yet
SWCI-03-03	<b>Akumwarvik Bay</b> a. Lat. 59° 01.86 N Lon. 154° 07.35 W  b. Lat. 59° 01.13 N Lon. 154° 09.23 W  c. Lat. 59° 02.45 N Lon. 154° 11.67 W  d. Lat. 59° 02.45 N Lon. 154° 11.67 W	<b>Passive Recovery</b> Place passive recovery across the small stream mouths.	Transport equipment by vessel (class 3/4) or helicopter.  Place and anchor snare or sorbent boom across the tidal flats.  Replace as necessary to maximize the recovery.	<b>Deployment Equipment</b> 1500 ft. snare line or sorbent boom 16 ea. anchor stakes <b>Vessels/Personnel/Shift</b> Same as SWCI-03-02 <b>Tending Vessels/Personnel/Shift</b> Same as SWCI-03-02	Vessel platform	Via marine waters  Chart 16648-1	Same as SWCI-03-02	Use snare line for persistent oils and sorbent boom for non-persistent oils.  Due to extensive tidal flats and exposure, responders should be provided with camping equipment and food incase they become stranded on shore..  Site surveyed: 9/08/03 SWCI GRS Tactics Committee