

# Map & Photo Legend












SW-13-02a,b,c, 03 Head of MacLeod Harbor viewed from the west.



SW-13-02g Stream on south shoreline of MacLeod Harbor viewed from the north.



SW-13-02d,e,f Lagoon and streams on south shoreline of MacLeod Harbor viewed from the west.

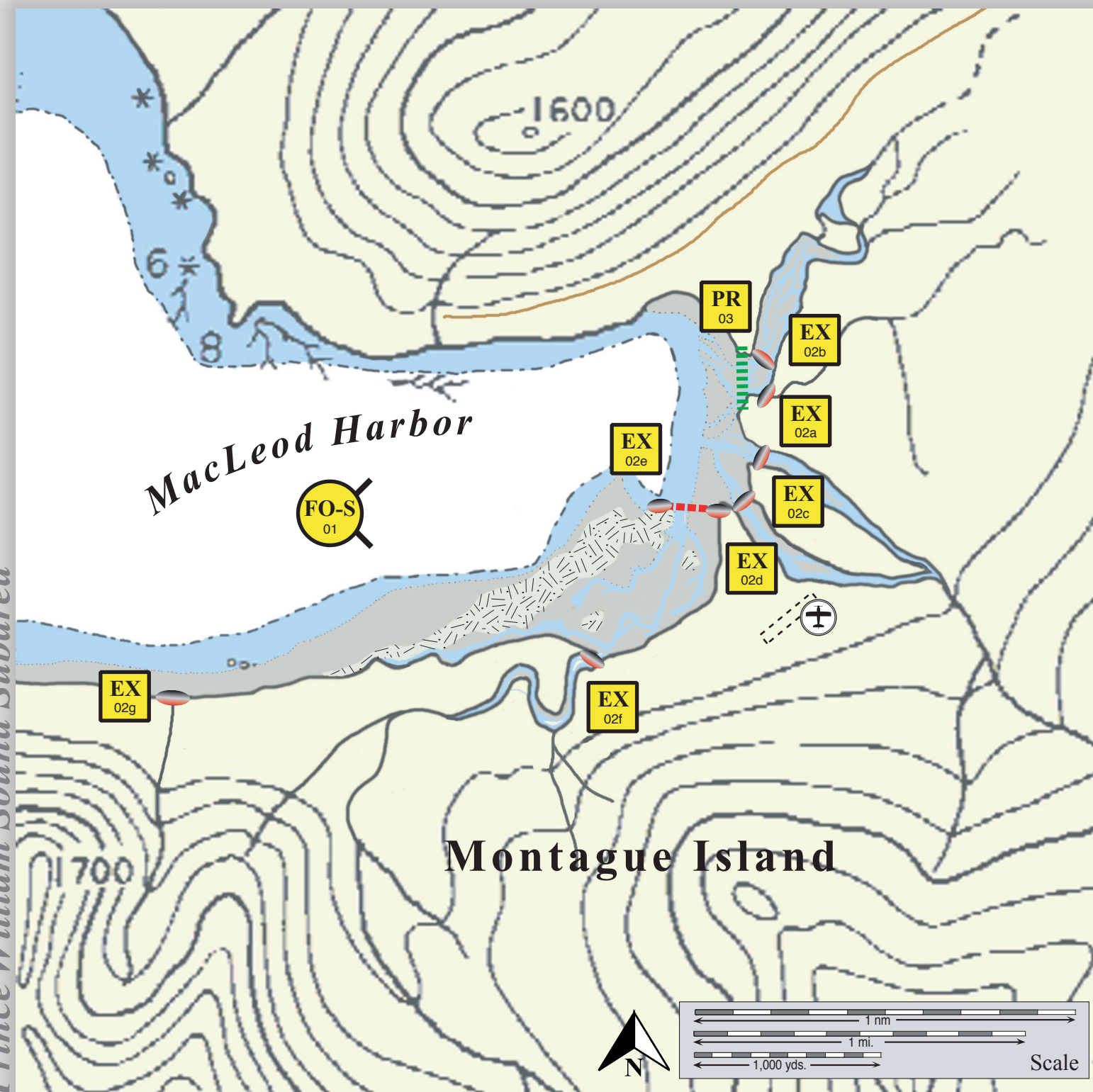
-  Free-oil Containment and Recovery, Shallow Water
-  Exclusion Booming
-  Passive Recovery and Collection
-  Protected-water Boom
-  Tidal-seal Boom
-  Passive Collection (Snare Line)
-  Sandbar
-  Primitive Runway
-  Road

## Geographic Response Strategies for

Prince William Sound Subarea

## MacLeod Harbor, PWS-SW13

Center of map at 59° 54.0' N Lat., 147° 48.5' 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   |
|----------|--|--|---|--|--------------------|---|--|--|
| SW-13-01 | <b>MacLeod Harbor</b><br>Nearshore waters in the general area of:<br><br>Lat. 59° 52.9 N<br>Lon. 147° 48.70W   | <b>Free-oil Recovery</b><br><br>Maximize free-oil recovery in the offshore & nearshore environment of MacLeod Harbor depending on spill location and trajectory. | Deploy free-oil recovery strike teams upwind and up current of MacLeod Harbor.<br><br>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.  | Valdez or Whittier | Via marine waters<br><br>Chart 16701-1  | Same as SW-13-02   | Vessel master should have local knowledge.<br><br>Site surveyed: 7/14/03 PWS GRS Tactics Committee   |
| SW-13-02 | <b>MacLeod Harbor</b><br>a. Lat. 59° 53.39 N<br>Lon. 147° 45.54 W<br><br>b. Lat. 59° 53.15 N<br>Lon. 147 45.46 W<br><br>c. Lat. 59° 53.07 N<br>Lon. 147° 45.01 W<br><br>d. Lat. 59° 52.81 N<br>Lon. 147° 45.52 W<br><br>e. Lat. 59° 52.85 N<br>Lon. 147° 45.52 W<br><br>f. Lat. 59° 52.52 N<br>Lon. 147° 46.09 W<br><br>g. Lat. 59° 52.48 N<br>Lon. 147° 46.72 W | <b>Exclusion</b><br><br>Exclude oil from the marshs and streams in MacLeod Harbor.   | Transport equipment by vessel (class 2/3/4).<br><br>Deploy anchors and boom with skiffs (class 6).<br><br>Place tidal-seal boom directly across the streams for arrays (a),(b),(c),(d), (f),(g). In array (e), place 150 ft. section of tidal-seal boom anchored on the spit forming the lagoon and 50 ft. tidal-seal boom anchored on the shore. Complete with protected-water boom across the lagoon entrance.<br><br>Tend throughout the tide.<br><br><u>Boom Lengths:</u><br>a. 150 ft.<br>b. 150 ft.<br>c. 150 ft.<br>d. 150 ft.<br>e. 700 ft.<br>f. 50 ft.<br>g. 50 ft. | <b>Deployment Equipment</b><br>500 ft. protected-water boom<br>5 section 150 ft. tidal-seal boom<br>3 section 50 ft. tidal-seal boom<br>9 ea. anchor systems (~20 lbs.)<br>18 ea. anchor stakes<br><b>Vessels</b><br>2 ea. class 3/4<br>2 ea. class 6<br><b>Personnel/Shift</b><br>10 ea. vessel crew<br><b>Tending Vessels</b><br>1 ea. class 3/4<br>1 ea. class 6<br><b>Personnel/Shift</b><br>3 ea. vessel crew | Vessel platform    | Via marine waters<br><br>Chart 16701-1<br><br>Primitive runway and lodge might be used for logistical support | Fish- intertidal spawning- salmon,<br><br>Birds- eagle nest (May-Sept.),waterfowl concentrations/nesting, seabird foraging<br><br>Habitat-marsh, sheltered tidal flats<br><br>Marine mammals-otters<br><br>Human use-high recreational use (May–Sept.), anchorage, commercial fishing, subsistence-terrestrial mammals | Vessel master should have local knowledge.<br><br>Details of the harbor are significantly different from the NOAA Chart.<br><br>REPORT any cultural resources found during operations to FOSC Historic Properties Specialist.<br><br>Title 41 permitting required from AKDNR.<br><br>Site surveyed: 7/14/03 PWS GRS Tactics Committee<br><br>Tested: not yet |
| SW-13-03 | <b>MacLeod Harbor</b><br>Lat. 59° 53.30 N<br>Lon. 147° 45.48 W   | <b>Passive Recovery</b><br><br>Recover oil through passive recovery before it enters the tidal marsh.  | Transport equipment by vessel (class 2/3/4).<br><br>Place and anchor snare line or sorbent boom across the tidal flats.<br><br>Replace as necessary to maximize the recovery.   | <b>Deployment Equipment</b><br>2200 ft. snare or sorbent boom<br>8 ea. anchor stakes<br><b>Vessels/Personnel/Shift</b><br>Same as SW-13-02<br><b>Tending Vessels/Personnel/Shift</b><br>Same as SW-13-02   | Vessel platform    | Via marine waters<br><br>Chart 16701-1  | Same as SW-13-02   | Use snare boom for persistent oils and sorbent boom for non-persistent oils.<br><br>Title 41 permitting required from AKDNR.<br><br>Site surveyed: 7/14/03 PWS GRS Tactics Committee   |