

Map & Photo Legend












The head of Galena Bay viewed from the west.



Indian Creek viewed from the southwest.



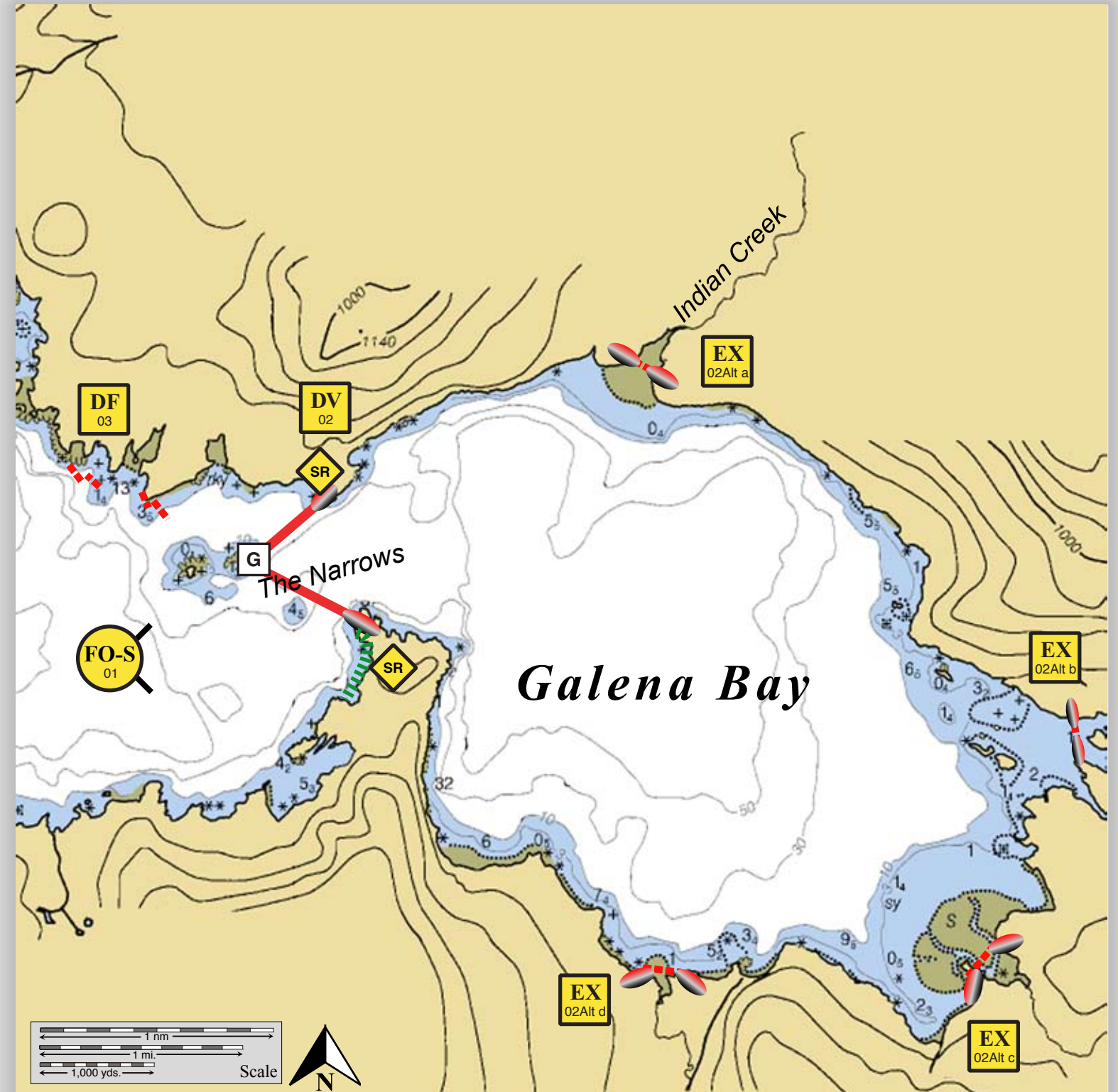
The head of Galena Bay viewed from the southeast.

-  Free-oil Recovery
-  Deflection Booming
-  Diversion Booming
-  Exclusion Booming
-  Shoreside Recovery
-  Open-water Boom
-  Tidal-seal Boom
-  Snare or Sorbent Boom
-  Gate System

Geographic Response Strategies for Northeast Prince William Sound Subarea

Galena Bay, PWS-NE29

Center of map at 60° 56.6' N Lat., 146° 38.9' 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
NE-29-01 FO-S	Galena Bay Nearshore waters in the general area of: Lat. 60° 56.6 N Lon. 146°38.9 W	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Galena Bay depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Galena 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.	Tatitlek/ Valdez Harbor	Via marine waters Chart 16707-1	Same as NE-29-02	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks.
NE-29-02 DV	Galena Bay Lat. 60° 56.64 N Lon. 146°40.25 W	Divert and Collect Divert oil to a shore side collection areas Galena Bay. If this tactic is not executable due to sea state, the alternative exclusion tactic should be deployed.	Deploy anchors and boom with skiffs (class 6). Place 100 ft. sections of tidal-seal boom on each shore. Complete with 4200 ft. protected-water boom in chevron pattern at the proper angle to divert incoming oil to the shore side collection sites. Set up collection site and tend throughout the tide. If oil is not collecting in significant amounts, use sorbent materials to collect the oil.	Deployment Equipment 4200 ft. open-water boom 200 ft. tidal-seal boom 1 ea. gate system 20 ea. anchor systems 4 ea. anchor stakes 2 ea. shore-side collection unit Vessels 2 ea. class 3/4 1 ea. class 6 Personnel/Shift 8 ea. vessel crew 4 ea. response techs Tending Vessels 1 ea. class 3/4 1 ea. class 6 Personnel/Shift 3 ea. vessel crew 4 ea. response techs	Vessel platform	Via marine waters Chart 16707-1	Fish- intertidal spawning- salmon (May-Sept.), herring spawning (April-May) Birds-waterfowl concentration, Marine mammals- seals, otters Habitat- marsh, sheltered tidal flats	Vessel master should have local knowledge. Site surveyed: 9/02/10. Tested: not yet
NE-29-03 DF	Galena Bay Lat. 60° 56.86 N Lon. 146°41.11 W	Deflection Deflect oil coming from the east away from the shoreline of Galena Bay and back into the channel for free-oil recovery.	Deploy boom and anchor system with skiffs (class 6). Place 50 ft. sections of tidal-seal boom on shore. Cascade three sections of protected-water boom at a proper angle to deflect oil from the shoreline. Tend throughout the tide.	Deployment Equipment 900 ft. protected-water boom 50 ft. tidal-seal boom 9 ea. anchor systems 2 ea. anchor stakes Vessels/Personnel/Shift Same as NE-29-02 Tending Vessels/Personnel/Shift Same as NE-29-02	Vessel platform	Via marine waters Chart 16707-1	Same as NE-29-02	Vessel master should have local knowledge. Tested: not yet
NE-29-02 Alternative EX	Galena Bay a. Lat. 60° 57.22 N Lon. 146° 37.87 W b. Lat. 60° 56.19 N Lon. 146°35.11 W c. Lat. 60° 55.51 N Lon. 146°35.84 W d. Lat. 60° 55.43 N Lon. 146°37.81 W	Exclusion Exclude oil from impacting the identified stream and intertidal areas in Galena Bay. This is to be deployed if the divert and collect fails.	Deploy anchors and boom with skiffs (class 6) at high tide. For all the arrays place 50 ft. sections of tidal-seal boom on each shore. Complete the arrays sections with the specified amount of protected-water boom in a chevron formation in front the identified streams. Tend throughout the tide. <u>Boom Length:</u> a. 600 ft. b. 800 ft. c. 600 ft. d. 300 ft.	Deployment Equipment 2300 ft. protected-water boom 400 ft. tidal-seal boom 12 ea. anchor systems 16 ea. anchor stakes Vessels/Personnel/Shift Same as NE-29-02 Tending Vessels/Personnel/Shift Same as NE-29-02	Vessel platform	Via marine waters Chart 16707-1	Same as NE-29-02	Vessel master should have local knowledge. Title 41 permitting required from ADNR. Tested: not yet