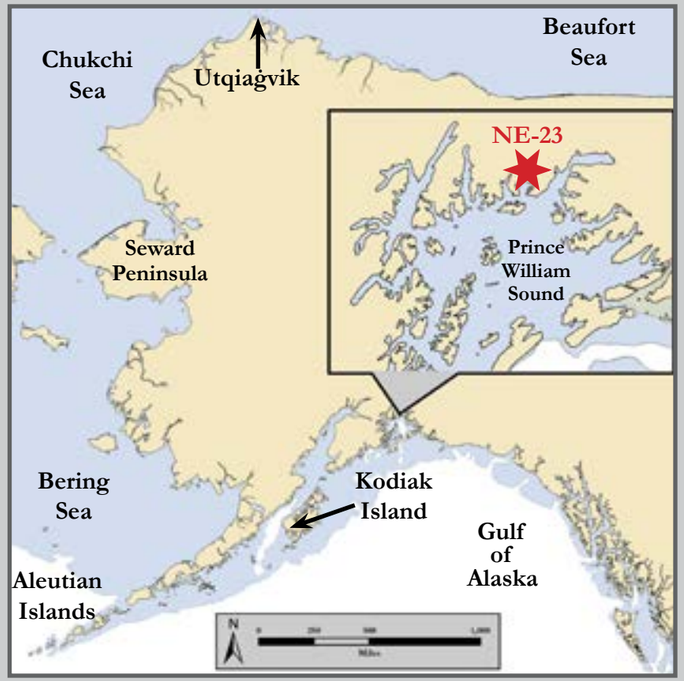
Heather Bay, PWS-NE-23

Geographic Response Strategies for
Prince William Sound Subarea



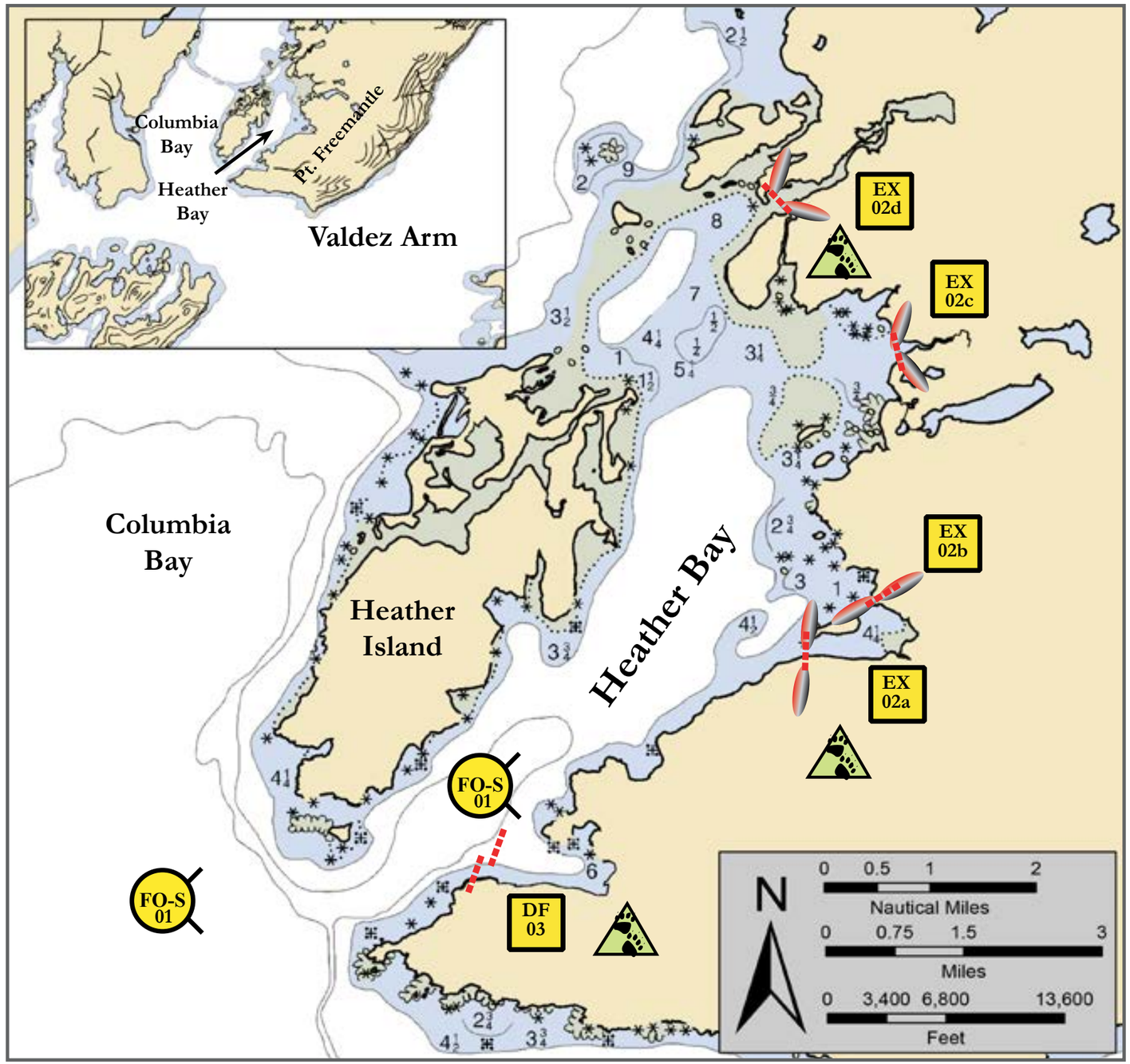
Location of NE-23

Map & *Photo*

Legend

Heather Bay

FO-S	Free-oil Containment and Recovery, Shallow Water		Bears in Area, Guards Recommended
DF	Deflection Booming		Tidal-seal Boom
EX	Exclusion Booming		Protected-water Boom



Map is not intended for navigational use.

Lat. 60° 58' 11.9" N
Lon. 147° 0' 57.9" W

Depths in Fathoms

Updated by ADEC 07 Nov 17

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
NE-23-01  	**Heather Bay** Nearshore waters in the general area of: Lat. 60º 59.73' N Lon. 147º 00.18' W	**Free-oil Recovery** Maximize free-oil recovery in the offshore & nearshore environment of Heather Bay depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Heather 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.	Valdez	Via marine waters See NOAA Charts 16713-1.	Same as NE-23-02	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks.
NE-23-02 **EX**	**Heather Bay** a. Lat. 60º 58.18' N Lon. 146º 59.31' W b. Lat. 60º 58.40' N Lon. 146º 59.01' W c. Lat. 60º 59.61' N Lon. 146º 59.65' W d. Lat. 61º 00.28' N Lon. 146º 59.65' W	**Exclusion** Exclude oil from impacting the identified streams and intertidal areas in Heather Bay.	Deploy anchors and boom with skiffs (class 6) at high tide. Place 60 ft. sections of tidal-seal boom on the ends of the exclusion booms and complete with protected-water boom. Arrays (a) & (b) exclude the entrance to the small cove using the island as a shore anchor point. Place arrays (c) & (d) in a chevron pattern in front of the identified streams. Tend throughout the tide. Boom Lengths: a. 750 ft. b. 1000 ft. c. 500 ft. d. 600 ft.	**Deployment Equipment** 2800 ft. protected-water boom 640 ft. tidal-seal boom 15 ea. Anchor systems 16 ea. Anchor stakes **Vessels** 1 ea. class 3 2 ea. class 6 **Personnel/Shift** 7 ea. vessel crew/general techs **Tending Vessels** 1 ea. class 3 1 ea. class 6 **Personnel/Shift** 3 ea. vessel crew/general techs	Vessel platform	Via marine waters Chart 16713-1	**Fish-**intertidal spawning-salmon (May-Sept.) **Birds-**waterfowl concentrations, eagle nesting, seabird nesting **Marine mammals-**otters, seal, sea lions **Habitat-**marsh, sheltered rocky shoreline **Human use-**high-use recreational area, commercial fishing, wildlife viewing	Vessel master should have local knowledge. Title 16 Fish Habitat Permit required from ADF&G. A population of bears is present during salmon runs. A bear guard is required. Site surveyed: 6/17/09 PWS GRS Tactics Committee. Tested: (02a) and (02d) tested 09/07/17 SERVS Deployment
NE-23-03 **DF**	**Heather Bay-Emerald Cove** Lat. 60º 57.04 N Lon. 147º 02.54 W	**Deflection** Deflect oil coming from the southwest away from Emerald Cove and back into the channel for free-oil recovery. If natural deflection is sufficient for Free-oil Recovery, deployment is not necessary.	Deploy boom and anchor system with skiffs (class 6). Anchor one boom ashore and position the 2x 300 ft. booms in a cascaded fashion at a proper angle to deflect oil from Emerald Cove. Tend throughout the tide. Water depth 300 ft. from shore is 75ft. dropping quickly to 150 ft. Based on plotted depths at site, a vessel would be required to tend the water end of the boom set.	**Deployment Equipment** 600 ft. protected-water boom 5 ea. medium anchor systems 2 ea. Anchor stakes **Vessels/Personnel/Shift** Same as NE23-03 **Tending Vessels/Personnel/Shift** Same as NE23-03	Vessel platform	Via marine waters Chart 16713-1	Same as NE-23-02	Vessel master should have local knowledge. Shore access is challenging due to steep, rocky cliffs. Tested: 09/07/17 SERVS Deployment