Landlocked Bay, NE-31

Geographic Response Strategies for
Prince William Sound and Subarea, Northeast Zone

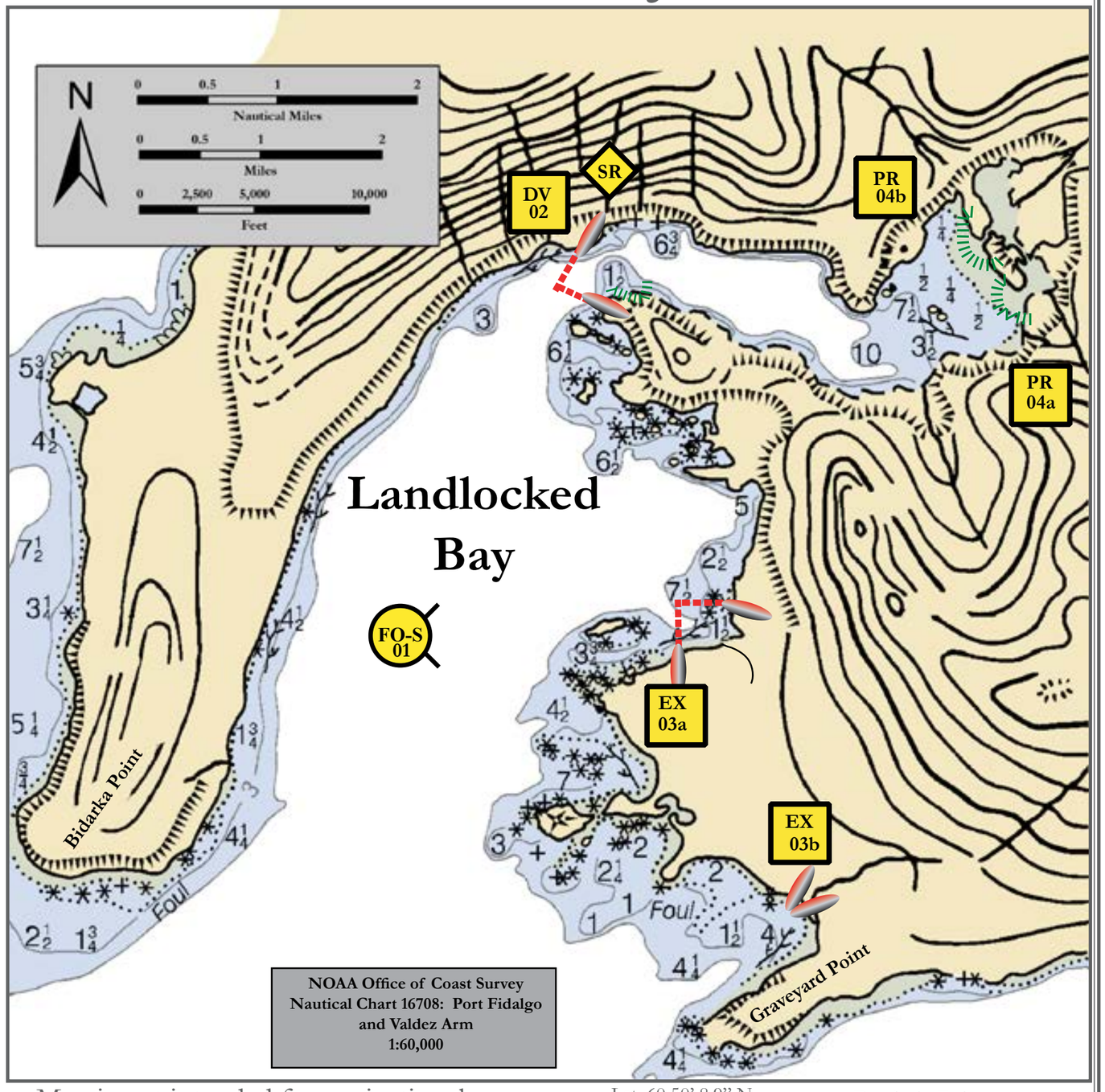
Location of NE-31

Map & Photo

Landlocked Bay, DV 02, View Northeast

Legend

EX	Exclusion Booming	FO-S	Free-oil Containment and Recovery, Shallow Water
DV	Diversion Booming		Shore-seal Boom
PR	Passive Recovery	SR	Shoreside Recovery
	Protected-water Boom		Snare or Sorbent Boom



NOAA Office of Coast Survey
Nautical Chart 16708: Port Fidalgo and Valdez Arm
1:60,000

Map is not intended for navigational use.

Lat. 60 50' 8.9" N
Lon. 146 35' 9.8" W

Depths in Fathoms

Updated by ADEC 12 Jan 17

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
NE-31-01  	**Landlocked Bay** Nearshore waters in the general area of: Lat. 60º 49.09' N Lon. 146º 35.88' W	**Free-oil Recovery** Maximize free-oil recovery in the offshore & nearshore environment of Landlocked Bay depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Landlocked Bay. Use aerial surveillance to locate incoming slicks.	Multiple nearshore free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Valdez Harbor	Via marine waters Chart 16708-1	Same as NE-31-02	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks.
NE-31-02 **DV**	**Landlocked Bay** Lat. 60º 51.22' N Lon. 146º 34.42' W	**Divert and Collect** Divert oil to a shoreside collection area in Landlocked Bay.	Deploy anchors and boom with skiffs (class 6). Place 50 ft. sections of tidal-seal boom on each shore. Complete with 1200 ft. protected-water boom in chevron pattern at the proper angle to divert the majority of incoming oil to the north shoreside collection sites. If necessary place passive recovery on the south. 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** 1200 ft. protected-water boom 200 ft. tidal-seal boom 7 ea. anchor systems 4 ea. anchor stakes 1 ea. shore-side collection unit **Vessels** 2 ea. class 3/4 1 ea. class 6 **Personnel/Shift** 5 ea. vessel crew 2 ea. response techs **Tending Vessels** 1 ea. class 3/4 1 ea. class 6 Personnel/Shift 3 ea. vessel crew 2 ea. response techs	Vessel platform	Via marine waters. Chart 16708-1	**Fish**- intertidal spawning-salmon (May-Sept.), herring spawning (April-May) **Birds**-waterfowl concentration, **Marine mammals**- seals **Human use**- commercial fishing, high recreation use, subsistence. **Habitat**- marsh, sheltered tidal flats	Vessel master should have local knowledge. Site surveyed: 09/02/10 Tested: 10/16/12 SERVS Deployment During testing, channel depth at apex of chevron was greater than 115 feet. Configure anchors to be used at the apex of the boom to include trip lines greater than 120 feet in length. On southern shore, bedrock shoreline limits anchor options. A permanently installed shore anchor is recommended.

NE-31-03
 	
EX
	Landlocked Bay
	
	a. Lat. 60º 51.14' N
	Lon. 146º 31.31' W
	
	b. Lat. 60º 51.32' N
	Lon. 146º 31.61' W
		Exclusion
		
		Exclude oil from impacting the identified stream and intertidal area in Landlocked Bay.
			Deploy anchors and boom with skiffs (class 6) at high tide.
			
			For (a) place two (2) 50 ft. sections of tidal-seal boom on each shore. Complete the exclusion with 150 ft. of protected-water boom in a chevron formation at the identified location.
			
			For (b) place 150 ft. of tidal-seal boom across the stream mouth. Alternately, place 50 foot sections of tidal-seal on either shore and 100 feet of protected-water boom across the stream mouth.
			
			Tend throughout the tide.
				Deployment Equipment
				150 ft. protected-water boom
				250 ft. tidal-seal boom
				4 ea. small anchor systems
				8 ea. anchor stakes
				Vessels/Personnel/Shift Same as NE-31-02
				Tending Vessels/Personnel/Shift
				Same as NE-31-02
					Vessel platform	Via marine waters
						
						Chart 16708-1
							Same as NE-31-02	Vessel master should have local knowledge.
								
								Title 41 permitting required from ADNR.
								
								Several partially submerged rocks are present on the east and west shores near the creek. Vessel operators need to be cautious.
								
								Tested:
								a. 10/16/12 SERVS Deployment
								b. 10/18/12 SERVS Deployment

NE-31-04 **PR**	**Landlocked Bay** a. Lat. 60º 51.14' N Lon. 146º 31.31' W b. Lat. 60º 51.32' N Lon. 146º 31.61' W	**Passive Recovery** Place passive recovery across the channels of the streams in the back of Landlocked Bay.	On a flooding tide, use skiffs (class 6) and place and anchor two (2) 200 ft. of snare line or sorbent boom across the streams that enter Landlocked Bay. Replace as necessary to maximize the recovery.	**Deployment Equipment** 400 ft. snare line or sorbent boom 2 ea. small anchor systems 8 ea. anchor stakes **Vessels/Personnel/Shift** Same as NE-31-02 **Tending Vessels/Personnel/Shift** Same as NE-31-02	Vessel platform	Via marine waters Chart 16708-1	Same as NE-31-02	Use snare line for persistent oils and sorbent boom for non-persistent oils. Title 41 permitting required from ADNR. Tested: not yet