

**2-415-A Site Summary - Horseshoe Bay****2-415-A****County:** Marin **ACP Division/Segment:** MR - P - S002**NOAA Chart:** 18649 Entrance to SF Bay **Map Book:** Marin County, S **Decimal Degrees:** 37.832729 -122.475992**Site Description:**

Horseshoe Bay, a south facing cove, is located between Point Cavallo on the east and Lime Point on the west. A 750 ft long rip-rapped jetty extends from Point Cavallo to the west. A second 300 ft long rip-rapped jetty is located on the west side of Horseshoe Bay where the USCG Golden Gate station is located. A 200 ft long medium-grain sand/gravel/cobble beach lies along the northern shoreline of the cove. Horseshoe Bay encompasses 16.6 acres, with water depths ranging from 6 to 12ft below MLLW level. Eelgrass beds thrive in the shallow water and provides excellent spawning habitat for Pacific Herring. A large 350' fishing pier lies at the southwestern edge of the site. The Presidio Yacht Club occupies the eastern portion of the bay. Serval live-aboard residents occupy the east and southerly docks of Horseshoe Bay.

**Resources at Risk:***ESI and Habitat:* 6B Riprap

8B Sheltered solid man-made structures

5 Mixed sand and gravel beaches

**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	western grebe	FP	Year-round	Apr - Jun
Birds	pelagic cormorant	FP	Year-round	May - Jun
Fish	Pacific herring		Year-round	Nov - Apr
Fish	longfin smelt	ST	Year-round	Nov - May
Insects	Mission blue butterfly	FE	Year-round	Mar-Jul
Mammals	harbor seal	FP	Year-round	Mar - Jun
Mammals	California sea lion	FP	Year-round	Mar -Aug
Plants	eelgrass		Year-round	

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected, SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species

**List of Key Contacts:**

Type	Name/Title	Organization	Phone
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
E	/Emergency Contact (24hr)	Marin County Emergency 911	(415) 472-0911
E	/Emergency Service Coordinator	Marin County Office of Emergency Services	(415) 250-0267
E	/Dispatch, 24-hr	Marin County Sheriff's Department	(415) 479-2311
E	/Office	Presidio Yacht Club	(415) 332-2319
E	/Operations Center	US Coast Guard, Golden Gate Lifeboat Station	(415) 331-8247
O	/Office	Audubon Society, Marin County Chapter	(415) 924-6057
O	/Dispatch, 24-hr	The Marine Mammal Center	(415) 289-7350
T	/Agency Representative	US National Park Service, Golden Gate	(415) 561-4731
T	/Dispatch, 24-hr	US National Park Service, Golden Gate NRA	(415) 561-5505

C – Cultural, Historic, Archaeological; E – Entry/Owner/Access; O – Other; S – Safety; T – Trustee; X – Exclusion or Security

**Additional Site Summary Comments:**

Eelgrass beds have been shown to occur along the northern and eastern shoreline of Horseshoe Bay and are most vulnerable at low tide (-1ft).

**Concerns and Advice to Responders:**

Eelgrass located in the northern and eastern portions of the site are the main concerns. Pinnipeds use the sand/gravel beach at low tides. Avoid boat operations in these areas.

**Hazard and Restrictions:**

Be aware of swift currents that exist outside the cove.

**Site Strategies:****Site Validation Level: II**

**Strategy: 2-415.1 Objective:** Deflection/collection. Prevent oil from impacting eelgrass beds, divert towards boat ramp.

**Strategy:** Deploy 1000' of 9x9+ Hboom from the end of the East Jetty in an inverted chevron to the Boat Ramp. Establish collection pocket at Boat Ramp, if recoverable oil anticipated. Position a vac truck near Boat Ramp to collect any product accumulated.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1000	feet	
Anchor	Danforth	22 lb		3	feet	
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Vac truck				1		
Staff	Staff to Deploy			6		

**Strategy: 2-415.2 Objective:** Backup strategy to prevent escaped oil from impacting eelgrass beds.

**Strategy:** Deploy 650ft of 9x9+ Hboom from the end of the East Jetty across the cove to the north shore, 400ft east of the Boat Ramp. Front line the Hboom with 650ft sorbent boom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		650	feet	
Boom	Sorbent			650	feet	
Anchor	Danforth	22 lb		4		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			2		

**Logistics:**

**Directions:** From Highway 101 (North of Golden Gate Bridge), exit Sausalito turn right towards the NE along Sausalito Lateral Rd/Alexander Ave. Proceed towards Ft. Baker on East Rd. to waterfront. Horseshoe Bay, a south facing cove, is located between Point Cavallo on the east and Lime Point on the west. A 750 ft long rubble-mound breakwater extends from Point Cavallo to the west. A second 300ft long rubble mound breakwater is located on the west side of Horseshoe Bay where the USCG station is located. A 200 ft long sand/gravel/cobble beach lies along the North shoreline of the bay.

**Land Access:** Site accessible via land and water.

**On-Water Limitations:** Launch of small boats available on-site.

**Facilities, Staging Areas, Command Posts, Available Equipment:** Large parking area on-site that could be used to stage equipment.

**Communications Problems:** Good cell reception in vicinity.

