

County: **Marin**
 USGS Quad: **San Francisco, North**

Thomas Guide Location

246

Latitude N

37 49 9

Longitude W

122° 28.5'

NOAA Chart: **18649 Entrance to SF Bay**

Last Page Update :

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 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 200ft long fine-grain sand beach lies along the western shoreline of the bay. The bay encompasses 16.6 acres, with water depths ranging from 6 to 12ft below MLLW level. Rip-rapped shoreline with short stretches of fine-grained sand beach. A large 350' fishing pier lies at the western edge of the site. The Presidio Yacht Club occupies the eastern portion of the bay.

SEASONAL and SPECIAL RESOURCE CONCERN

The eelgrass beds are most vulnerable at low tide (-1ft).

RESOURCES OF PRIMARY CONCERN

There are a number of intertidal habitats including protected and semi-exposed rocky intertidal, sandy beaches, and pier pilings. The eelgrass is prime spawning habitat for herring during winter months.

Waterbirds are commonly found in the embayment, and include western grebes, cormorants, gulls, pelicans and terns

Sea lions and harbor seals haul out on shoreline

Herring spawn in the eelgrass during the winter months (Nov-Feb) and viable eggs (Feb-Apr).

Kelp, sea lettuce, turkish towel, and various other seaweeds and algae grow on intertidal rocks. Eelgrass beds have been shown to occur along the northern and eastern shoreline of Horseshoe Bay, occurring at depths ranging from -1.8 to -7.5ft MLLW.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept of Parks and Recreation - Office of Historic Preservation (Eric Allison -(916) 653-9125), and the Northwest Information Center, (Bryan Much, Sonoma State College ((707) 332-1117)) for specific information on historic or cultural resources in this area. Historical Pier and Pier pilings occur on the eastern portion of the cove near the Presidio Yacht Club.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
E		Presidio Yacht Club	(415) 332-2319
E/T	Darren Fong	US National Park Service, Golden Gate (NRA)	(415) 289-1838
E/T	GGNRA Dispatch	US National Park Service, Golden Gate (NRA)	(415) 561-5505
E/O	Ops Center	USGC Golden Gate Lifeboat Station	(415) 331-8247
E/T	Vika Sirova	US National Park Service, Golden Gate (NRA)	(415) 561-4731

ADDITIONAL SITE SUMMARY COMMENTS:

2-415 -A Site Strategy - Horseshoe Bay

County and Thomas Guide Location

246 Marin

NOAA CHART

18649 Entrance to SF Bay

2-415 -A

Latitude N

Longitude W

37 49 9 122° 28.5'

Last Page Update : 3/7/2011

CONCERNS and ADVICE to RESPONDERS:

Eelgrass located in the northern and eastern portions of the site are the main concerns. Avoid boat operations in these areas.

HAZARDS and RESTRICTIONS:

Be aware of swift currents that exist outside the cove.

SITE STRATEGIES

There is a counter current that occurs on the edges of the bay on the flood tide. Debris and wrack tend to accumulate along the north shore of the bay. USCG Lifeboat operates in and out of the west side of bay, allow sufficient clearance.

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

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.

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

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 the Hboom with 650ft sorbent boom.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
2-415.1	1000	0	0	0	3 3 22# danforth	0	1	0	1 vac truck	2	
2-415.2	650	0	0	650	4 4 22# danforth	0	1	0	0	2	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

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 200ft long fine-grain sand beach lies along the western shoreline of the bay. The bay encompasses 16.6 acres, with water depths ranging from 6 to 12ft below MLLW level.

LAND ACCESS: Site accessible by land and water

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking Launch of small boats available on-site
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Large parking area on-site that could be used to stage equipment

COMMUNICATIONS PROBLEMS: none

ADDITIONAL OPERATIONAL COMMENTS:

