

County: **San Mateo**
USGS Quad: **Redwood Point, California**

Thomas Guide Location

Latitude N

Longitude W

3 7 32

122 14

NOAA Chart: **18649/18650 Entrance to SF Bay**

Last Page Update : 1/15/2007

SITE DESCRIPTION:

This site extends from the mouth of Bay Slough to Bair Island and includes the marshes landward along Steinberger Slough and Smith Slough to Hwy 101. It is part of San Francisco National Wildlife Refuge and California Department of Fish and Wildlife Bair Island and Redwood Shores Ecological Reserve. Steinberger Slough is on the southwest shore of South San Francisco Bay, two miles south of the San Mateo-Hayward Bridge. It lies to the northwest of Bair Island. This slough has no defined channel and is shallow. It has a well developed marsh and mudflat at the mouth and along its banks.

SEASONAL and SPECIAL RESOURCE CONCERN

"A" priority all year. Endangered species are present all year.

RESOURCES OF PRIMARY CONCERN

This site has extensive marshes and mudflats at the mouth and along its length.

Sensitive bird species found here include: Endangered - California clapper rail, California least tern; Threatened - western snowy plover; California Species of Special Concern: saltmarsh common yellowthroat, Alameda song sparrow. Also, California brown pelican, peregrine falcon, and large numbers of a wide variety of birds nest and winter here: shorebirds, waterfowl, wading birds, and waterbirds.

Sensitive mammals species found here include: salt marsh harvest mouse and salt marsh wandering shrew.

The sloughs and mudflats are important habitat for fish, shellfish and infauna.

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.

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

Type	Name / Title	Organization	Phone
E/T	Eric Mruz Mgr - Don Edwards NWR	US Fish & Wildlife Service, SF Bay (NWR)	(510) 792-0222

ADDITIONAL SITE SUMMARY COMMENTS:

2-363 -A Site Strategy - Steinberger Slough

County and Thomas Guide Location

San Mateo

NOAA CHART

18649/18650 Entrance to SF Bay

2-363 -A

Latitude N

3 7 32

Longitude W

122 14

Last Page Update : 1/15/2007

CONCERNS and ADVICE to RESPONDERS:

The concern is oil and response impacts to marsh, wildlife, and rare and endangered birds, animals and plants which are present year-round. Primary objective is to minimize exposure by excluding oil from entering Steinberger Slough. Secondary objective is to minimize exposure and impacts to bay frontage marshes by protective booming. Always of concern is the impacts resulting from response and cleanup: avoid trampling marsh and sensitive plants and animals, avoid disturbing soft mudflats, and avoid trampling oil into marsh and mud.

HAZARDS and RESTRICTIONS:

Aircraft beware of overhead power lines nearby; vessels be aware of shallow water; channel not clearly marked.

SITE STRATEGIES

Shore Margins along entire site and the channel are extremely shallow. Channel itself is probably navigable at low water, but nearshore activities are not feasible until mid to high tide.

Strategy 2-363.1 Objective: Exclude/collect oil from entering Steinberger Slough

- a) Use 2,100 ft of 18+ Hboom along the north side channel margin. [Connect this boom to exclusion boom deployed as part of the Belmont Slough strategy (2-362.2) to exclude oil from Bay Slough and the marsh NW of Steinberger Slough mouth.]
- b) Deploy 1,800 ft of 18+ Hboom along the north and south side channel margins and divert oil to a collection pocket positioned in the main slough channel. Deploy for legs of skimming pocket in mid channel. Use oil snare / sorbents to collect light oil or sheen, but implement skimming per 2-363.2 for skimmable oil.
- c) If needed to exclude oil from Steinberger Slough main channel, deploy 500 ft of 12"+swamp boom across mudflats on both sides of main channel and connect to .1(b) Hboom.

Strategy 2-363.2 Objective: For Collectible oil quantities, use SPS skimmer

Position self propelled skimmer (SPS) or stationary floating skimmer (SFS) in main slough channel.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	tvpe and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
2-363.1	3900	500	50 OS	50	16	16/22+danforth & chain	2	1			Bboat: very shallow draft	13	
2-363.2	0	0	0	0	0		0	0	1 SPS/SFS	0			

LOGISTICS

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

Nearest vehicle access is San Carlos Airport: exit Hwy 101 at Holly/Redwood Shores Pkwy. This site extends from the mouth of Bay Slough to Bair Island and includes the marshes landward along Steinberger Slough and Smith Slough to Hwy 101. It is part of San Francisco National Wildlife Refuge and California Department of Fish and Wildlife Bair Island and Redwood Shores Ecological Reserve.

LAND ACCESS: No road access to Bair Island.

WATER LOGISTICS: No defined channel, impassable at low tide, very shallow.

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Nearest launch is at Redwood City.

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

Staging at Port of Redwood City, possibly through sewage facility on north side of channel.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

