

2-363-A Site Summary - Steinberger Slough**2-363-A****County:** San Mateo **ACP Division/Segment:** SM - C - S001**NOAA Chart:** 18649/18650 Entrance to SF Bay **Map Book:** AAA San Mateo C **Decimal Degrees:** 37.543869 -122.224425**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 (USFWS) and California Dept of Fish and Wildlife (CDFW) 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 salt-marsh and mudflat at the mouth and along its banks.

Resources at Risk:*ESI and Habitat:* 10A Salt - and brackish-water marshes

9B Vegetated low banks

9A Sheltered tidal flats

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	California Ridgeway's rail	FE, SE	Year-round	Feb-Aug
Birds	California black rail	FP, ST	Year-round	Mar-Aug
Birds	California least tern	FE, SE	Apr-Sep	Apr-Jun
Birds	Western snowy plover	FT, SSC	Year-round	Mar-Oct
Birds	common yellowthroat	FP, SSC	Year-round	Jun-Aug
Fish	longfin smelt	ST	Year-round	Nov-May
Mammals	salt-marsh harvest mouse	FE, SE	Year-round	
Mammals	salt-marsh wandering shrew	SSC	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	/Dispatch, 24-hr	San Mateo Co. Dept. of Emergency Management	(650) 363-4963
O	/Office	Point Blue Conservation Science	(707) 781-2555
T	/Spill Response Coordinator	USFWS, SF Bay-Delta Office	(916) 799-0588

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

Additional Site Summary Comments:

A wide variety of bird species utilize this area year-round.

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.

Hazard and Restrictions:

Aircraft beware of overhead power lines overhead; vessels be aware of shallow water; channel/slough not clearly marked, proceed with caution.

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

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

Strategy: a) Deploy 3,500 ft of 9X9+ Hboom along the north side channel margin to divert oil to a collection pocket positioned in the main slough channel. [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) Use a portion of original 3,500 ft of 9X9+ Hboom deployed 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) Place swamp boom across mudflats on both sides of main channel. Connect to Hboom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9		3900	feet	
Boom	Swamp	6x6		500	feet	
boom	Oil Snare (pom-pom)			50	feet	
Boom	Sorbent			50	feet	
Anchor		22		16		
Vessel	boomboat			2		
Vessel	Skiff			1		
Staff	Staff to Deploy			12		
Staff	Staff to Tend			2		

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

Strategy: Position self propelled skimmer (SPS) or stationary floating skimmer (SFS) in main slough channel. Use a portion of original 3,500 ft of boom deployed for legs of skimming pocket. Connect southern leg to levee or extend out to remnant concrete pier on small island on the south side of main channel.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
skimmer	self propelled			1		
Staff	Staff to Deploy			3		

Logistics:

Directions: Nearest vehicle access is San Carlos Airport: exit Hwy 101 at Holly/Redwood Shores Pkwy.

Land Access: No road access to Bair Island. Access by vessel only at high tides.

On-Water Limitations: No defined channel, impassable at low tides, very shallow. Nearest launch is at Redwood City.

Facilities, Staging Areas, Command Posts, Available Equipment: Staging at Port of Redwood City, possibly through sewage facility on north side of channel.

Communications Problems: Cell reception throughout south bay.

