

2-362-A Site Summary - Belmont Slough**2-362-A****County:** San Mateo **ACP Division/Segment:** SM - D - S002 SM - D - S001**NOAA Chart:** 18649/18650 Entrance **Map Book:** AAA San Mateo C **Decimal Degrees:** 37.552876 -122.244889 to SF Bay**Site Description:**

This site includes the length of Belmont Slough and adjacent Bay Slough and the salt-marsh and mudflat frontage including Bird Island. The southeastern side of the slough is managed by SF Bay National Wildlife Refuge (USFWS) and the northwesterly side is joint owned by CDFW & CA State Lands Commission. Belmont Slough is a narrow channel on the southwest shore of South San Francisco Bay, one mile south of the San Mateo-Hayward Bridge. Marsh and mudflats are present at the mouth and along its banks. There is a large salt-marsh between the bay and Bay Slough. The mudflat bayward of the marsh is very wide and shallow. It is part of CDFW Redwood Shores Ecological Reserve.

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-June
Birds	common yellowthroat	FP, SSC	Year-round	Jun-Aug
Birds	Western snowy plover	FT, SSC	Year-round	Mar-Oct
Birds	Alameda song sparrow	SSC	Year-round	Mar-Jul
Fish	longfin smelt	ST	Year-round	Nov-May
Mammals	salt-marsh harvest mouse	FE, SE	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 reside in the area.

Concerns and Advice to Responders:

The concern is oil and response impacts to marsh, wildlife, and rare and endangered species and resident species which are present year-round. Primary objective is to minimize exposure by excluding oil from entering Belmont 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 high power lines. Vessels be aware that Belmont Slough is very narrow with unmarked hazards and mudflats and margins are very shallow (tide dependent).

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

Strategy: 2-362.1 Objective: Exclude/collection oil from entering Belmont Slough.

Strategy: a) Deploy several 600 to 1,000+ ft. sections of 9X9+ Hboom cascading south along the mudflat/channel shelf contour to deflect oil back into main current and away from shore.

b) Deploy 200 ft. of swamp boom from prominent rip rapped point NW of Belmont Slough entrance marsh across mudflat to channel margin. Exclude and deflect oil away from the marsh into a skimming pocket located in the main channel near the confluence of Belmont and Bay Sloughs. Light oil may be engaged using oil snare but heavier oil will require skimming per strategy 2-362.3.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		4000	feet	
Boom	Swamp	6x6 inch		200	feet	
Anchor	Danforth	22 lbs		18		
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			8		
Staff	Staff to Tend			2		

Strategy: 2-362.2 Objective: Protective booming of bayfront tidal marsh

Strategy: Deploy 6,000 ft. of 9X9+ Hboom on the bay side of Bird Island in front of Bay Slough. At the north end connect with boom leg of skimmer system. Tidal barrier boom is preferred, however, 9X9+ Hboom backed with several layers of sorbent boom may also be adequate.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		6000		
Anchor	Danforth	22 lbs		18		
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			2		
Staff	Staff to Deploy			10		
Staff	Staff to Tend			2		

Strategy: 2-362.3 Objective: For Collectible oil quantities oil use SPS skimmer

Strategy: Oil threat to the site via the channel and carried on tidal currents can only be addressed midchannel; shallow water Self Propelled Skimmer (SPS) or Stationary Floating Skimmer (SFS) can function in the collection pocket of initial deployment 2-362.1 to capture collectible oil.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
skimmer	self propelled			1		
Staff	Staff to Deploy			2		

Logistics:

Directions: Primary access is via water since land access is limited by fronting marsh. By land, exit Hwy 101 at East Hillsdale Blvd and proceed on Hillsdale or Foster City Blvd. bayward to Beach Park Blvd.

Land Access: Easy access along Beach Park Blvd.

On-Water Limitations: Extreme shallows and mudflats at low tide. Redwood City Marina.

Facilities, Staging Areas, Command Posts, Available Equipment: Staging at Redwood City Marina, harbor and possibly along Beach Park Blvd. on Brewer Island in Foster City.

Communications Problems: Cell reception throughout south bay.

