

2-372-A Site Summary - Charleston and Mayfield Sloughs**2-372-A****County:** Santa Clara **ACP Division/Segment:** SC - Z - S002**NOAA Chart:** 18654 San Francisco
Bay Southern Part**Map Book:****Decimal Degrees:** 37.455411 -122.100898**Site Description:**

This site includes Mayfield and Charleston Sloughs, including the bay frontage adjacent and open to Charleston Slough, and all inland tributary marshes. These sloughs are on the southwest shore of South San Francisco Bay, four miles south of the Dumbarton Bridge. The old Palo Alto Yacht Harbor is located on Mayfield Slough. This site is adjacent to the San Francisco Bay National Wildlife Refuge (USFWS). Both sloughs have fringing cordgrass and pickleweed marshes at their mouths and along their banks. These three sloughs network tidal exchange throughout over 200 acres of salt-marsh habitat.

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

9B Vegetated low banks

9A Sheltered tidal flats

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 least tern	FE, SE	Apr-Sep	Apr-Jun
Birds	Western snowy plover	FT, SSC	Year-round	Mar-Oct
Birds	California black rail	FP, ST	Year-round	Mar-Aug
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	
Plants	California seablite	FE, SSSP	Year-round	Jul-Oct

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	/Solar Plant Manager	Cargill Salt	(541) 261-9719
E	/Supervising Ranger	City of Palo Alto, Baylands Nature Preserve	(650) 304-4094
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:

Concerns and Advice to Responders:

Primary concern is that oil will enter Mayfield and Charleston sloughs, exposing extensive saltmarsh, mudflats, and wildlife to oil. Strategies are designed to exclude oil from being transported to inner marsh by deflecting to skimmers and by exclusion booming. Secondary concern is oiling of marsh front. Also of concern is damage to marshes and soft slough bottoms from response activity. Avoid trampling marsh and trampling oil into soft sediments.

Hazard and Restrictions:

Aircraft beware of overhead powerlines nearby, and airport traffic in area. Vessels beware of shallow water and strong currents in area: channel is narrow and privately maintained.

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

Strategy: 2-372.1 Objective: Deflect oil away from marshes to skimmers.

Strategy: a. Deploy 2000' of 9X9+ Hboom across entrance to Mayfield and Charleston Sloughs.

b. Place skimmer in J-hook of boom on north side of channel near small boat dock.

c. Deploy 500' of 9X9+ Hboom across the north entrance of Charleston Slough at the confluence of Mayfield Slough. Create a J-hook against the levee and place skimmer or vac truck there.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		2500	feet	
Anchor	Danforth	22 lb		7		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
skimmer	shoreside			2		
Staff	Staff to Deploy			12		

Strategy: 2-372.2 Objective: Exclude oil from entering Charleston Slough

Strategy: Deploy 1200' of swamp boom across southern entrance to Charleston Slough. Place boom along power line tower supports and foot bridge. Back with sorbent booms.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		1200	feet	
Boom	Sorbent			1200	feet	
Anchor	Danforth	22 lb		6		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			6		

Strategy: 2-372.3 Objective: Close all tide gates and salt pond intake structures to exclude oil from expanding to inner marshes and impoundments.

Strategy: a. Close large tide gates near confluence of sloughs and tide gate under road near Baylands Nature Preserve Interpretive Center (operated by City of Mountain View).

b. Notify Cargill Salt Co. to close saltwater intake culverts (2x48") on east side of Charleston Slough.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Staff	Staff to Deploy			2		

Logistics:

Directions: From Hwy 101 in Palo Alto, exit east bound on Embarcadero, passt airport to Mayfield public access. Public access area and dock are at mouth of Mayfield Slough. Mountain View Parks Dept. has access roads to south side of Charleston Slough. Possible access at Palo Alto Boat Works.

Land Access: All traffic when levees are dry.

On-Water Limitations: Shallow draft; Redwood City and Palo Alto Boat Works for launch of large vessels; Mayfield Slough public access area; hand launched vessels at Mayfield Slough dock.

Facilities, Staging Areas, Command Posts, Available Equipment: Possibly Palo Alto Boat Works could be used as a staging area. Also, Mayfield Slough public access area.

Communications Problems: Cell reception good throughout the south bay.

