

County: **Santa Clara**
 USGS Quad: **Mountain View**

Thomas Guide Location

Latitude N
37 27.0

Longitude W
122 05.0

NOAA Chart: **18654 San Francisco Bay Southern Part**

Last Page Update : 7/1/1996

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. Both sloughs have fringing cordgrass and pickleweed marshes at their mouths and along their banks. These sloughs network over 200 acres of saltmarsh.

SEASONAL and SPECIAL RESOURCE CONCERN

"A" priority year-round. Saltmarsh and special status wildlife are present and vulnerable throughout the year.

RESOURCES OF PRIMARY CONCERN

This extensive marsh is cordgrass and pickleweed saltmarsh supporting endangered species throughout year.

Sensitive bird species found here include: Endangered California clapper rails & California least terns, Threatened western snowy plovers. California species of special concern - saltmarsh common yellowthroat. Also, California brown pelican, American 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: Endangered - salt marsh harvest mouse; California species of special concern - saltmarsh wandering shrew; and harbor seals haul out here.

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

Predominant marsh species here are cordgrass and pickleweed.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

There are probably historic and cultural sites present. 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 |
|------|---------------------------------|--|----------------|
| O | | SF Bird Observatory | (408) 946-6548 |
| T | Joy Albertson | US Fish & Wildlife Service, SF Bay (NWR) | (510) 792-0222 |
| E | Pat Metelli | Cargill Salt | (510) 790-8610 |
| E/T | Eric Mruz Mgr - Don Edwards NWR | US Fish & Wildlife Service, SF Bay (NWR) | (510) 792-0222 |

ADDITIONAL SITE SUMMARY COMMENTS:

2-372 -A Site Strategy - Charleston and Mayfield Sloughs

County and Thomas Guide Location

Santa Clara

NOAA CHART

18654 San Francisco Bay Southern Part

2-372 -A

Latitude N

Longitude W

37 27.0 122 05.0

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

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.

HAZARDS 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

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

- Deploy 2000' of 9X9+ Hboom across entrance to Mayfield and Charleston Sloughs.
- Place skimmer in J-hook of boom on north side of channel near small boat dock.
- Deploy 500' of 9X9+ Hboom across the north entrance of Charleston Slough at the confluence of Mayfield Slough. Create a J-hook against levee and place skimmer or vac truck there.

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

Deploy 1200' of 18" or smaller curtain boom across southern entrance to Charleston Slough. Place boom along power line tower supports and foot bridge. Back with sorbent booms.

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

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

Table of Response Resources

| strategy number | harbor boom | swamp boom | Other boom type | sorb boom | Anchoring no | tyoe and gear | Boom boat | Skiffs punts | Skimmers No | Type | Special Equipment or comment No and kinds | staff deploy | Staff tend |
|-----------------|-------------|------------|-----------------|-----------|--------------|-----------------|-----------|--------------|-------------|------|---|--------------|------------|
| 2-372.1 | 2500 | | | | 7 | 7/25#/danforth | 2 | 1 | 2 | SSS | Shallow draft Bboats & skiffs | 13 | |
| 2-372.2 | 0 | 1200 | | 1200 | 5 | 5/25+/danforths | 1 | 1 | | | | | |
| 2-372.3 | 0 | | | | | | | | | | | 2 | |

LOGISTICS

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

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. 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.

LAND ACCESS: All traffic when levees are dry

WATER LOGISTICS: shallow draft

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: 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, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Possibly Palo Alto Boat Works could be used as a staging area. Also, Mayfield Slough public access area.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

