

County: **Contra Costa**
 USGS Quad: **Honker Bay**

Thomas Guide Location

Latitude N

Longitude W

3 8 08

121 58.8

NOAA Chart: **SUISUN BAY 18658/18556/18656**

Last Page Update : 7/1/2015

SITE DESCRIPTION:

This site extends from McAvoy's Marina west to General Chemical Plant (just east of the chemical plant at Middle Pt) and bounded on the south by the SP RR. There are three ownerships: California Department of Fish and Wildlife owns the parcel next to the Marina, the US Navy Concord Weapons Station owns the parcel next to the chemical plant, and the East Bay Regional Park District (EBRPD) owns the "J" channel that feeds the marsh directly north of the Bay Point Regional Shoreline. This site is a combination of tidal and high marsh with both tule/cattails and pickleweed. It has an abrupt bank typical of eroding marsh front. Several finger sloughs carry tidal exchange to the back marsh. There are several dead-end sloughs. There is a channel along the shore front.

SEASONAL and SPECIAL RESOURCE CONCERN

These marshy areas have A-protection priority always. Migratory waterfowl and marsh birds use this area during winter months.

RESOURCES OF PRIMARY CONCERN

This site is predominantly pickleweed/spartina marsh, but there are substantial cattail and tule growths. And there are some ponded areas. The bayward eroding edge is habitat for Mason's lilaeopsis. The small tidal inlets admit tidal exchange to the back marsh and must be boomed to exclude oil from entering.

The marshy margins are prime marsh bird and waterfowl habitat including California clapper rail, Suisun song sparrow and black rail.

The saltmarsh harvest mouse has been found here. The emergent marshes are inhabited by semi-aquatic mammals such as river otter, raccoon, beaver and muskrat. Western pond turtle has been found here.

The emergent marshes here are typical tule-sedge mix with some cattail.

Several sensitive plants occur here: Mason's lilaeopsis, Suisun marsh aster, Delta tule pea.

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
B	Richard Bicknell Supervising Ranger	Baylands Nature Preserve	(650) 617-3156
	EBRPD Dispatch EBRP	East Bay Regional Park District	(510) 881-1833
	Eric Larson	CA Dept. of Fish & Wildlife, Bay/Delta	(707) 944-5528

ADDITIONAL SITE SUMMARY COMMENTS:

2-608 -A Site Strategy - Shore Acres Marsh

County and Thomas Guide Location

Contra Costa

NOAA CHART

SUISUN BAY 18658/18556/18656

2-608 -A

Latitude N

3 8 08

Longitude W

121 58.8

Last Page Update : 11/18/2015

CONCERNS and ADVICE to RESPONDERS:

This is a sensitive saltmarsh with endangered plants and animals. Primary concern is to prevent oil from being carried into the marsh though tidal openings by using exclusion booming. Also of concern is oiling of the marsh front when tides flood the marsh front. Responders should make an effort to minimize trampling of vegetation and be aware that tiny endangered plants and animals are present. Also, don't trample oil into sediments.

HAZARDS and RESTRICTIONS:

There is a channel immediately along shore, but there is a bar farther out.

SITE STRATEGIES

Immediately along shore there is a channel which usually affords adequate depth for deployments.

Strategy 2-608.1 Objective: Exclude oil from McAvoy's and Shore Acres Marsh tidal channels which admit oil to back marshes. Close dead-end sloughs to reduce oil margin impacts.

Shore Acres Marsh has several small tidal channels entering the marsh. They are located about 800' (200' boom), 2000' (25' boom), 2300' (25' boom) and 5000' (at the deadend slough near chemical plant) (400' boom) west from the western McAvoy entry. There are two inlets at the McAvoy Marina, use 200' of 4x4+ swpboom each. Boom anchoring may be necessary (as opposed to staking) because bridging may admit oil at low flood. Repeat deployment if currents or waves are likely to overtop boom. Leave trailing boom ends to insure a seal. Back with sorbent as necessary.

Strategy 2-608.2 Objective: Deflect oil away from shoreline and into main channel. Deflect any by-passing oil to shore capture/collection.

a) From Middle Point deploy 9x9+ deflection boom at the best angle to send oil past marsh front and into mail channel into collection leg. Degrees of angle should be approximately 90 degrees to collection leg.

b) Setup a deflection to shore and a shore skimming collection system at General Chemical shoreline to intercept any oil which escapes above deflection.

Strategy 2-608.3 Objective: Marsh front protective booming: If there is threat of heavy oiling and saturation of the marsh front, and when such use will not preclude defending other sites with Strategic Objectives 5 and 6 action (seek concurrence of the trustee strategist).

When foregoing strategies are inadequate to keep oil off marshes, 8000 ft of harbor boom will be deployed along the entire marsh front to keep heavy oiling off the marsh. Multiple layers may be required if oil is washing over the first layer (second layer may then be swamp boom.) (This strategy can be found in Potential Oil-Spill Protection Strategies for San Francisco Bay, California. (Hayes and Montelo, 1994).)

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
2-608.1	0	1050		1050	16 16/3/danforths & stakes	1	1			3	
2-608.2	3000				18 18/22#+ danforths + 15' chains	3	2	1 SSS		11	
2-608.3	8000				10 10/22+/danforths & stakes	4	2			16	

LOGISTICS

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

This site can be reached taking the Bay Point (Willow Pass) exit from Hwy 4 and then to Port Chicago Highway: marsh access though a locked gate (This is Concord Naval Weapons Station property). Also, via the General Chemical Plant. By water, the site is immediately west of McAvoy's Marina. This site extends from McAvoy's Marina west to General Chemical Plant (just east of the chemical plant at Middle Pt) and bounded on the south by the SP RR. There are three ownerships: California Department of Fish and Wildlife owns the parcel next to the Marina, the US Navy Concord Weapons Station owns the parcel next to the chemical plant, and the East Bay Regional Park District (EBRPD) owns the "J" channel that feeds the marsh directly north of the Bay Point Regional Shoreline.

LAND ACCESS: ALL TYPES DEPENDING ON WEATHER

WATER LOGISTICS: none have been identified.

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: McAvoy/Harris Marina at Bay Point is immediately to the east. Martinez Marina (9 mi. W). Pittsburg Marina (6 mi. E).

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

Deploy from Pittsburg, Martinez or McAvoy's marinas. McAvoy's is possible field post and staging / support site: all manner of facilities, except housing, are available, and area can be secured.

COMMUNICATIONS PROBLEMS: none known

