

County: **Contra Costa**

Thomas Guide Location

Latitude N

Longitude W

USGS Quad: **Vine Hill**

3 8 03

122 01

NOAA Chart: **18656 Suisun Bay**

Last Page Update : 10/1/2005

SITE DESCRIPTION:

This site includes Seal Islands and the waterfront from Hastings Slough mouth east to the General Chemical Plant at Middle Pt bounded on the south by the Southern Pacific Railroad and Waterfront Rd. All these marshes are on highly restricted military property. The site may be divided in three parts. Belloma wetlands is the easterly portion from Middle Pt to Seal Islands and mostly fronted by piers; it has about 700 acre area and three small tidal soughs (all fronted by piers and difficult to access from water). The marshes on the west end of the site are fed by a tidal inlet immediately west of the wharf facilities; this channel goes all the way back to waterfront road and may have cross flow with Hastings Slough via mosquito abatement channels. Seal Islands are at the northwest end of the marsh front opposite the tug docks. The islands are high marsh - spartina, sedges, and tules. The inland marshes are brackish water marsh with pickleweed and spartina high marsh and tule sedge in wet areas.

SEASONAL and SPECIAL RESOURCE CONCERN

The marshes are an "A" priority all year.

RESOURCES OF PRIMARY CONCERN

These are extensive pickleweed marshes with emergent tule margins.

The marshes are inhabited by the endangered California clapper rail and threatened California black rail. This is prime waterfowl habitat, particularly for the migratory period.

The endangered salt marsh harvest mouse thrives here.

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
	John Henderson F/W Biologist	US Fish & Wildlife Service, Environmental Contam	(916) 414-6595
	Concord Naval Weapons Station Police	US Navy, Concord Naval Weapons Station	(925) 246-4041

ADDITIONAL SITE SUMMARY COMMENTS:

2-607 -A Site Strategy - Weapons Station Marshes & Seal Islands

County and Thomas Guide Location

Contra Costa

NOAA CHART

18656 Suisun Bay

2-607 -A

Latitude N

3 8 03

Longitude W

122 01

CONCERNS and ADVICE to RESPONDERS:

Last Page Update : 1/15/2014

This extensive marsh is very sensitive and has endangered species. If oil gets into the marsh the problems will be complicated due to UXO and military security issues here. The plan is to exclude oil from the marsh by booming or diking the inlets. Response concerns are : 1) get permission from USN before attempting any access; 2) avoid trampling vegetation: tiny endangered plants are present; avoid trampling oil into the mudflats.

HAZARDS and RESTRICTIONS:

Unauthorized personnel or trespassers are subject to arrest. UXO clearance has not been given for tidal marshes. Beware of shallow and pier traffic.

SITE STRATEGIES

This is a high security area and UXO clearance has not been given for tidal marshes. Proceed only at the direction of Military Site Security. All four slough tidal slough openings can be addressed from shore using a skiff or put to deploy light boom.

Strategy 2-607.1 Objective: Diversion booming on Flood tide: Execute 2-605.2 divert out of channel and away from sites 2-605 & 2-607

Strategy 2-607.2 Objective: Exclusion booming of four sloughs.

Strategy can only be implemented after military has given UXO clearance to area. Military response resources may be available at the Weapons Station to boom off the slough.

- a) at slough west of facilities, deploy 500 ft. of 6X6+ exclusion boom across the mouth in a chevron formation attached to shore well outside the mouth and back with sorbent boom.
- b) at first slough east of facilities, deploy 100 ft. of 6X6+ exclusion boom across the mouth in a chevron formation attached to shore well outside the mouth and back with sorbent boom.
- c) at 2nd slough east of facilities, deploy 50 ft. of 6X6+ exclusion boom across the mouth in a chevron formation attached to shore well outside the mouth and back with sorbent boom.
- d) at east-most slough, deploy 400 ft. of 6X6+ exclusion boom across the mouth in a chevron formation attached to shore well outside the mouth and back with sorbent boom.

Strategy 2-607.3 Objective: Exclusion of sloughs by sediment dike.

Construct a temporary sediment dike across all four sloughs. Naval response resources at the Concord Weapons Station may be available to dike off the slough. (Requires BCDC and US Corp Engineer contacts)

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
2-607.1	0	0	0	0	0		0	0	0		0		
2-607.2		1050		900	14	4/12+/danforth & 10 stakes	0	1				2	
2-607.3	0	0	0	0	0		0	0	0		2 skiploader & dump truck		

LOGISTICS

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

IMPORTANT: Permission to enter the area, by land or water, must be obtained from the U.S. Naval Weapons Station, Concord. Exit Hwy 4 at Port Chicago Hwy to Main St and proceed to main gate for entry permission and directions. By water proceed along the shoreline from Martinez (east) or from McAvoy's (west) until you reach the Navy piers. This site includes Seal Islands and the waterfront from Hastings Slough mouth east to the General Chemical Plant at Middle Pt bounded on the south by the Southern Pacific Railroad and Waterfront Rd. All these marshes are on highly restricted military property.

LAND ACCESS: Belloma Slough has road access; the remainder is foot only.

WATER LOGISTICS: very shallow

Limitations: depth, obstruction

Launching, Loading, Docking Launch at USN CNWS tug dock, Martinez, McAvoy
and Services Available:

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

Naval response resources at the Concord Naval Weapons Station may be available to dike or boom off the slough. Stage equip at Martinez, McAvoy's or Weapons Station.

COMMUNICATIONS PROBLEMS: none known

ADDITIONAL OPERATIONAL COMMENTS:

