

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

Thomas Guide Location

Latitude N

Longitude W

3 8 02

121 55

NOAA Chart: **18656 Suisun Bay**

Last Page Update : 7/1/2005

SITE DESCRIPTION:

All of Mallard Island and Slough on the Contra Costa shore of Suisun Bay, including the slough at the west edge of Mallard Island and the emergent marshy islands east of Mallard Island. The site has emergent marsh along most margins. The mainland marsh to the south of Mallard Slough is protected behind a riprap levee and is isolated from spills providing that the flood gate just east of Mallard Island is closed. Mallard Island is partially protected by levees along the north shore and some banks are eroding, but is open on the south shore. One of the sloughs deadends at the "pump house, " a local landmark for the area. The area has both cattail and tule marsh.

SEASONAL and SPECIAL RESOURCE CONCERN

The site is an "A" priority year-round. Several Special Status Species occur here.

RESOURCES OF PRIMARY CONCERN

This extensive saline-fresh marsh system is good habitat for marsh birds and mammals of all kinds including special status species: California black rail, saltmarsh harvest mouse.

This is nesting and foraging habitat for all manner of waterfowl and marsh birds including the Special Status Species: California black rail (FSC/CT).

The marsh also supports a wide diversity of marsh mammals and other vertebrates including Special Status Species: saltmarsh harvest mouse (F/CE).

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
	Eric Larson	CA Dept. of Fish & Wildlife, Bay/Delta	(707) 944-5528

ADDITIONAL SITE SUMMARY COMMENTS:

2-705 -A Site Strategy - Mallard Island

County and Thomas Guide Location

Contra Costa

NOAA CHART
18656 Suisun Bay

2-705 -A

Latitude N Longitude W

3 8 02 121 55

Last Page Update : 10/1/2005

CONCERNS and ADVICE to RESPONDERS:

Inner channels and marshes as well as waterfront marshes are vulnerable to oil penetration. Responders should minimize trampling of vegetation and tracking oil into marshes and sediments. Tiny endangered plants and animals are present.

HAZARDS and RESTRICTIONS:

Shallow in inner sloughs.

SITE STRATEGIES

Waters are deep along river frontage of site.

Strategy 2-705.1 Objective: Exclude oil from entering inner sloughs using exclusion booming of slough mouths.

Lay 8x8+ curtain boom across slough openings - 3 openings. Deploy a shallow chevron configuration using mid-boom anchor. The east Mallard Slough mouth requires about 2000' of curtain boom at a long diagonal to the riprap point to the east. Anchor near shore and leave a trailing length to achieve a tidal seal. Double boom or back with sorbent boom.

Strategy 2-705.2 Objective: Collection strategy for oil from east after implement the primary protection/exclusion strategy.

Set 9x9+ curtain boom from riprap levee point east of Mallard Island at an acute to the east. To collect oil that may accumulate use 50ft of Oil Snare (OS), 100ft of sorbent boom. Contact IC if oil accumulates in skimmable quantities. Deploy Shoreside Skimming from shoreline - Access though Power plant.

Strategy 2-705.3 Objective: Protective booming of emergent marsh frontage on Suisun Bay side of Mallard Island by deploying one or more layers of boom.

Set 3200 ft of 6x6+ Cboom along entire north margin of Mallard Island. If wind chop is likely to exceed boom floatation a second lay of boom will be necessary: if two layers are necessary, the inner layer may be 4X4+. Keep boom layers at least 6' apart and prepare for skimming oil which will collect between them.

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
2-705.1	2200			400	12 8/25 & 4/15lb/danforth	3	2			14	
2-705.2	300		50 OS	200	2 2/25lbs/danforth	1	1	1 SSS		2	
2-705.3	0	3200			8 8/25lb/danforth	3	2			15	

LOGISTICS

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

Access by vehicle is through PG&E power plant off Willow Pass Road in Pittsburg. By water, the site is about two miles east of McAvoy's and a mile west of Pittsburg. All of Mallard Island and Slough on the Contra Costa shore of Suisun Bay, including the slough at the west edge of Mallard Island and the emergent marshy islands east of Mallard Island.

LAND ACCESS: ALL WEATHER/TRAFFIC LEVEE ROAD

WATER LOGISTICS: GOOD DRAFT AT MED TO HI TIDE

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Launch and complete marine facilities are available at McAvoy's Marina 2 miles west and at Pittsburg Marina's public ramp to the east.

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

Both Pittsburg or McAvoy's provide excellent staging or deployment sites. Diverse facilities are available at both. Security can be an issue at Pittsburg.

COMMUNICATIONS PROBLEMS: none known

ADDITIONAL OPERATIONAL COMMENTS:

