

2-702-A Site Summary - Stake Point Marshes**2-702-A****County:** Contra Costa **ACP Division/Segment:** CC - J - S001 CC - J - S002**NOAA Chart:** 18656 Suisun Bay **Map Book:** **Decimal Degrees:** 38.046538 -121.943671**Site Description:**

This site consists of salt-marsh habitat on the Contra Costa shore of east Suisun Bay extends from the entrance to McAvoy's Marina east to the water intake slough at Mallard Island. It is an extensive salt-marsh system with multiple small channels and fingering channels. Most of the channels are small but three are extensive including two dead-end channels which run straight south for over a quarter mile inland. The third channel is in the east end and winds extensively and has inlets to the leveed interior marshes. The front salt-marsh is tule with some pickleweed. The marshes inland are freshwater with some large expanses of cattail. Though these marshes are grazed by cattle, there is extensive wildlife habitation by mammals and birds. The Bay front is alternating between eroding and accreting.

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

9B Vegetated low banks

6B Riprap

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	California black rail	FP, ST		Mar-Aug
Fish	longfin smelt	ST		Nov-May
Mammals	salt-marsh harvest mouse	FE, SE		
Plants	Mason's lilaeopsis	SR		Apr-Nov
Plants	soft bird's beak	FE, SR		Jul-Nov
Plants	Delta tule pea	SSSP		May-Jul

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	/Dispatch, 24-hr	East Bay Regional Park District	(510) 881-1833
O	/Dispatch, 24-hr	California Department of Water Resources	(916) 574-2714
S	/Dispatch, 24-hr	Contra Costa County Office of the Sheriff	(925) 646-2441
T	/Environmental Program Manager	CA Dept. of Fish & Wildlife, Bay Delta Region	(707) 576-2837
T	/Oil Spill Point of Contact	NOAA National Marine Fisheries Service	(707) 480-3496
T	/Restoration Ecologist	US Department of Agriculture	(530) 304-2304
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:

Inner channels and salt-marshes as well as waterfront salt-marshes are vulnerable to oil penetration - primary concern is to exclude tidal channels. Responders should minimize trampling of vegetation and tracking oil into marshes and sediments. Several endangered plants and animals are present and may be underfoot.

Hazard and Restrictions:

Very shallow near shoreline at low tide cycles.

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

Strategy: 2-702.1 Objective: Exclusion at mouths of 6 tidal channels to inner marshes.

Strategy: Set 9x9+ Hboom across all six openings in diagonals or chevron formations. Anchor near shore and leave a trailing boom end to insure tidal seal. Back with sorbent.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		2000	feet	
Boom	Sorbent			600	feet	
Anchor	Danforth	22 lb		6		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-702.2 Objective: Protective booming of bayfront emergent marsh margin from oil penetration

Strategy: Anchor 6X6+ Sboom anchored off marsh margin. If windchop is likely to wash oil over the boom, then double boom: deploy a second layer of boom. Sorbent boom may be used for the second layer only if it is deployed between the 6X6+ and the salt-marsh shoreline. Provide for oil skimming/collection if oil is likely to be collecting between the booms.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		10000	feet	
Anchor	Danforth	22 lb		21		
Vessel	Boom Boat			4		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			14		

Logistics:

Directions: There is no vehicle access to this site. By water, the site is immediately upstream from McAvoy's Marinas.

Land Access: Access to shoreline by foot only.

On-Water Limitations: Access via vessel challenging at low tide cycles. Launch and complete marina facilities are available at McAvoy's Marinas, and at Pittsburg Marina and public ramp 3 miles east.

Facilities, Staging Areas, Command Posts, Available Equipment: Both Pittsburg and McAvoy's provide excellent staging or deployment sites. Diverse facilities are available at both. Security is more an issue at Pittsburg.

Communications Problems: Good cell reception.

