

County: Contra Costa **ACP Division/Segment:** CC - K - S009 CC - K - S010**NOAA Chart:** SUISUN BAY**Map Book:****Decimal Degrees:** 38.046557 -121.970912

18658/18556/18656

Site Description:

This site extends from McAvoy's Marina (Bay Point) west to the Chemical Plant (east of Middle Point) and bounded on the south by the Southern Pacific Railroad (SPRR). There are three ownerships: California Department of Fish and Wildlife owns the parcel next to the Marina, the US Navy Concord Weapons Station (MOTCO) owns the parcel next to the chemical plant, and the East Bay Regional Park District (EBRPD) owns the "J" channel that feeds the salt-marsh directly north of the Bay Point Regional Shoreline. This site is a combination of tidal and high salt-marsh characterized with tules, cattails and pickleweed vegetation. It has an abrupt margin typical of eroding marsh front. Several finger sloughs carry tidal exchange to the back salt-marsh. There are several dead-end sloughs connecting to Seal Island Channel parallel to the shoreline.

Resources at Risk:

ESI and Habitat: 10A Salt - and brackish-water marshes
8B Sheltered solid man-made structures
9B Vegetated low banks

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	California least tern	FE, SE	Year-round	Apr-Jun
Birds	California Ridgeway's rail	FE, SE	Year-round	Feb-Aug
Birds	California black rail	FP, ST	Year-round	Mar-Aug
Fish	longfin smelt	ST	Year-round	Nov-May
Mammals	salt-marsh harvest mouse	FE, SE	Year-round	
Plants	Mason's lilaeopsis	SR	Year-round	Apr-Nov
Plants	soft bird's beak	FE, SR	Year-round	Jul-Nov
Reptiles	giant garter snake	FT, ST	Year-round	Jul-Oct

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
E	/Shoreline Parks Manager	East Bay Regional Park District	(510) 881-1832
E	/24 hour number	US Army, Concord Military Ocean Terminal	(925) 246-4182
E	/24 hour number	US Army, Concord Military Ocean Terminal	(925) 246-4075
E	/24 hour number	US Army, Concord Military Ocean Terminal	(925) 246-4041
E	/24 hour number	US Army, Concord Military Ocean Terminal	(925) 246-3911
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

C – Cultural, Historic, Archaeological; E – Entry/Owner/Access; O – Other; S – Safety; T – Trustee; X – Exclusion or Security

Additional Site Summary Comments:

Several species of sensitive plants occur in the area.

Concerns and Advice to Responders:

This is a sensitive salt-marsh with endangered plants and animals. Primary concern is to prevent oil from being carried into the marsh through 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 there are several listed species present.

Hazard and Restrictions:

There is a channel immediately along shore, and there is a sandbar farther out.

Site Strategies:**Site Validation Level: III**

Strategy: 2-608.1 Objective: Exclude oil from tidal channels which admit oil to back marshes. Close dead-end sloughs to reduce oil margin impacts.

Strategy: There are two inlets at the McAvoy Marina, use 200' of 6X6+ swamp boom each. There are also several small tidal channels. They are located about 100', 200', and 300' west from the west McAvoy entry. Each will require 25' of 6X6+ swpboom. Boom anchoring may be necessary (as opposed to staking) because bridging may admit oil at low flood. At the deadend slough near chemical plant, use 400' 6X6+ swpboom with stakes or anchors. Repeat deployment if currents or waves are likely to overtop boom. Leave trailing boom ends to insure a seal and prevent shortcircuiting. Back each with sorbent boom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		1050	feet	
Boom	Sorbent			1050	feet	
Anchor	Danforth	22 lb		16		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

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

Strategy: a) From Middle Point deploy 9X9+ harbor boom at the best angle fend oil past marsh front and back into main channel.

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

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		3000	feet	Strategy Updated: 9/22/2015
Anchor	Danforth	25 lb		18		Last Test: 9/22/2015
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			1		
skimmer	shoreside			1		
Staff	Staff to Deploy			8		

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).

Strategy: 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

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		8000	feet	
Anchor	Danforth	22 lb		20		
Vessel	Boom Boat			3		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			11		

Logistics:

Directions: This site can be reached taking the Bay Point (Willow Pass) exit from Hwy 4 and then to Port Chicago Highway: marsh access through 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 (access to marina based upon tidal height).

Land Access: Good access, some security limitations. Check with MOTCO for secured access.

On-Water Limitations: none have been identified. McAvoy/Harris Marina at Bay Point is immediately to the east. Martinez Marina (9 mi. W). Pittsburg Marina (6 mi. E). Marina access varies upon tide height.

Facilities, Staging Areas, Command Posts, Available Equipment: 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.

Communications Problems: Cell reception varies.

