

2-654-A Site Summary - Goodyear Marsh**2-654-A****County:** Solano **ACP Division/Segment:** SO - E - S001 SO - E - S002**NOAA Chart:** SUISUN BAY
18657/18652**Map Book:****Decimal Degrees:** 38.084302 -122.096912**Site Description:**

This site begins near the Benicia Bridge and continues for about 5.5 miles to Suisun Slough. This site is a partially diked wetland with an encroaching emergent tule salt-marsh on its bayward margin. Half of salt-marsh lies behind the levee is a California State Wildlife Refuge (part of Grizzly Island Wildlife Refuge-DFW) and other the half north of Lake Herman Rd is owned by private duck clubs. The leveed portion is a combination of pickleweed and tule/sedge. The accreting marshfront on Suisun Bay is extremely shallow and is a successional cline from mudflats to tule marsh to tule thicket. In some places the accreting tule marshfront is over a hundred yards wide. The historic levee is open at several locations, Sulphur Springs Creek flows through it from the industrial park inland.

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

9B Vegetated low banks

8C Sheltered riprap

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	migratory waterfowl	FP		
Birds	California black rail	FP, ST		Mar-Aug
Birds	California Ridgeway's rail	FE, SE		Feb-Aug
Birds	Suisun song sparrow	FP, SSC		Mar-Jul
Birds	common yellowthroat	FP, SSC		Jun-Aug
Fish	longfin smelt	ST		Nov-May
Fish	delta smelt	FT, SE		Mar-May
Mammals	salt-marsh harvest mouse	FE, SE		

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	/Environmental Protection Specialist	Suisun Bay Reserve Fleet	(707) 747-7844
O	/Dispatch, 24-hr	California Department of Water Resources	(916) 574-2714
O	/Dispatch, 24-hr	California State Parks	(916) 358-1300
O	/Office	Suisun Resource Conservation District	(707) 425-9302
T	/Office	Audubon Society, Solano County Chapter	(707) 643-7089
T	/Environmental Program Manager	CA Dept. of Fish & Wildlife, Bay Delta Region	(707) 576-2837
T	/Wildlife Area Manager	CA Dept. of Fish & Wildlife, Grizzly Island WR	(707) 738-3485
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 sensitive plant species occur in the area.

Concerns and Advice to Responders:

This is a very sensitive site with endangered species. Because of the shallows and great sensitivity it will be extremely difficult to cleanup or rehabilitate. The two main concerns are oiling of the inner marsh via Sulfur Springs Creek and four other openings to inner sloughs. The more difficult problem is oiling and cleanup disturbance of the salt-marsh margin. Avoid trampling marsh vegetation or tracking oil into sediments. Large portions of this site are California Department of Fish and Wildlife Refuge Property.

Hazard and Restrictions:

The wide salt-marsh is fronted by very shallow mudflats.

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

Strategy: 2-654.1 Objective: Exclude oil from all tidal sloughs, inlets, and Sulfur Springs Creek to keep oil out of back marsh.

Strategy: Stake and anchor 200' 6X6 swamp boom in chevron at the four mouth entry points: Sulfur Springs Creek, 2 channels each opposite the two southerly rows of ships, one opening just north of MARAD pier, and opening at north end. Back with sorbent boom. This is extremely shallow water and will require action at higher tide or with airboat or hovercraft.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		1000	feet	
Boom	Sorbent			1000	feet	
Anchor	Danforth	22 lb		5		
Anchor	Stakes			20		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-654.2 Objective: Deflect to collection: When heavy oiling/reoiling is a threat on incoming tide with a southerly wind, intercept along shore oil and direct to collection.

Strategy: Divert moving oil to collection skimming. Deploy 1000' 9x9+ in deep water and 1000' 6X6+ swamp boom in shallows to drive oil to shore. Set up Shoreside Skimmer near or at shore to collect near foot of Benicia Bridge. If oil is travelling off shoreline, set boom to deflect oil away from shore to main channel to floating skimmer. Repeat at MARAD pier as necessary. Waters near shore area very shallow which may necessitate assistance from shore.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1000	feet	
Boom	Swamp	6x6 inch		1000	feet	
Boom	Sorbent			100	feet	
Anchor	Danforth	22 lb		8		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
skimmer	shoreside			1		
Staff	Staff to Deploy			7		

Strategy: 2-654.3 Objective: Protection booming if oil continues to threaten marshfront, deploy protective booming as recommended in SF Inlet Study by RPI/MSRC

Strategy: If it appears that foregoing strategies will not keep oil out of wetlands, deploy exclusion booming along marsh front: this strategy for deployment can be found in Potential Oil-Spill Protection Strategies for San Francisco Bay, California. (Hayes and Montelo, 1994). This requires 27,000' of Hboom or tidal barrier boom or swamp boom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		27000	feet	
Anchor	Danforth	22 lb		55		
Vessel	Boom Boat			9		
Vessel	Skiff or Punt			3		
Staff	Staff to Deploy			33		

Logistics:

Directions: There is land access from I-680 by exiting at Industrial Park or a Lake Herman Rd and proceeding toward the water. The land access is to a limited exposure of the marsh front. Water access is one mile north east from Benicia or Martinez marinas.

Land Access: Access to salt-marsh via Bayshore Rd.

On-Water Limitations: Very shallow draft nearshore. Benicia and Martinez Marinas (1 mi. to W from site).

Facilities, Staging Areas, Command Posts, Available Equipment: Deploy from Martinez Marina, Benicia Marina or Benicia Wharf. The Mothball Fleet Wharf is also an all-service pier with crane. Stage at Martinez Marina, Benicia Marina or Benicia Wharf. Full services are available in both communities.

Communications Problems: Good cell reception.

