

2-601-A Site Summary - Martinez Marsh**2-601-A****County:** Contra Costa **ACP Division/Segment:** CC - L - S001 CC - L - S003**NOAA Chart:** 18656 Suisun Bay**Map Book:****Decimal Degrees:** 38.023773 -122.141236**Site Description:**

This site includes the salt-marshes and waterfront from the Benicia Bridge to the Ozol Pier. This site has pickleweed salt-marshes on both the east and west side of the Martinez Marina. The marshes are prograding with emergent species along the very shallow margins. The marsh to the east behind the Shell Oil Terminal has some diked impoundments and has a small tidal inlets leading back into the marsh. West of the Marina, Alhambra Creek opens to the marsh and has salt-marsh vegetation along some of its length upstream. The shoreline vegetation from Alhambra Creek to Ozol Terminal grades from marsh to rip-rap shoreline. The salt-marsh around the mouth of Alhambra Creek is East Bay Regional Park District (EBRPD) shoreline. There are flap gates to the duckpond which allow tidal exchange. The flap gates can be closed if the pond is at risk of contamination.

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	California Ridgeway's rail	FE, SE		Feb-Aug
Birds	California black rail	FP, ST		Mar-Aug
Birds	yellow rail	FP, SSC		
Fish	longfin smelt	ST		Nov-May
Fish	delta smelt	FT, SE		Mar-May
Mammals	salt-marsh harvest mouse	FE, SE		
Plants	soft bird's beak	FE, SR		Jul-Nov
Reptiles	giant garter snake	FT, ST		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	Contra Costa County Office of the Sheriff	(925) 646-2441
E	/Dispatch, 24-hr	East Bay Regional Park District	(510) 881-1833
E	/Shoreline Park Supervisor	East Bay Regional Park District	(510) 881-1832
E	/Manager	Martinez Marina	(925) 313-0942
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	/Oil Spill Point of Contact	NOAA National Marine Fisheries Service	(707) 480-3496
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:

Several sensitive plant species reside in the area.

Concerns and Advice to Responders:

Primary concerns are oiling of salt-marsh east and west, intrusion of oil up Alhambra Creek in the west side marsh, and intrusion up the tidal channel in the east side marsh. Exclude oil from both channels and divert oil away from marshes to catchments or to main channel. Avoid trampling marsh vegetation: rare plants and small endangered mammals are present. Avoid trampling oil into sediments. Protect marsh frontage from oil as directed.

Hazard and Restrictions:

Air Operations - Carquinez Bridge power lines; Boats - shallow water & very strong currents; ground traffic - Two lines of railroad tracks parallel shoreline. Amtrak Trains travel at high velocity speeds.

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

Strategy: 2-601.1 Objective: Primary: on the flood tide, exclusion booming mouth Alhambra Creek, other tidal channels, and protect nearby shoreline

Strategy: a) Exclusion booming Alhambra Creek: 200' ft of swamp boom in a chevron configuration backed by sorbent boom at the inlet.

b) Protection booming: Deploy 1100 ft of sorbent boom along the marsh to the west of Martinez Marina (both sides of creek but mostly on the west side.)

c) Exclude oil from entering the small tidal inlet to the marsh east of the marina with boom and sorbent (50' 6X6+). Tidal inlet mouth is located between Shell and Amoco Terminals/Shore Terminal wharf at bridge.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		250	feet	
Boom	Sorbent			1300	feet	
Anchor	Danforth	22 lb		2		
Anchor	Stakes			14		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			2		

Strategy: 2-601.2 Objective: Deflection for the ebb tide, deflect oil away from and past Alhambra Creek & marsh with boom from old ferry slip

Strategy: Deploy 600 ft of deflection boom extending west from inside the old ferry slip at Ferry Point Pier, Martinez Marina. Set deflection angle into the current as may be possible under prevailing conditions.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		600	feet	
Anchor	Danforth	25 lb		3		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-601.3 Objective: Deflection for the Flood Tide: deflect away from Martinez shore

Strategy: Deflect oil away from shoreline with 2000' 9x9+ Hboom. From the shoreline about a half mile west of treatment plant, deploy boom at a diagonal to the 15 ft depth contour.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		2000	feet	
Anchor	Danforth	25 lb		5		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-601.4 Objective: Protection Shoreline Booming: If there is threat of heavy oiling and saturation of the marsh front, deploy protective boom coverage, when resource use will not preclude defending other sites against SO 5 and 6 impacts.

Strategy: Deploy exclusion boom along the marsh front from the Benicia Bridge to the marina and from Alhambra Creek to the riprap to the west.

Deploy 5200' of swamp boom (6x6+) be deployed between Suisun Point and the Martinez Marina seawall, and deploy 3300' of protective boom (6X6+) swamp boom depending on presence of wind and chop from Ferry Point at Martinez Marina to 1000 yards west where marsh ends and rip-rap begins. Deploy close to shore where shallows will aid with wind chop spillover problems; if there are wind chop conditions, boom layers will need to be backed with a second layer of 6X6 swamp boom. Because the water is so shallow, very shallow boom boats and skiffs will be required due to grounding and stranding hazards. (A similar strategy for deployment of exclusion boom is illustrated in "Potential Oil Spill Protection Strategies for San Francisco Bay, California" (Hayes and Montello, 1994).)

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		8500	feet	
Anchor	Danforth	22 lb		18		
Vessel	Boom Boat			3		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			11		

Logistics:

Directions: Proceed on Hwy 680 toward Martinez and exit on Marina Vista just south of the Benicia-Martinez toll bridge and drive west to city center. Turn right and drive across the railroad tracks to Martinez Marina. Marshes are on both sides of the Marina and park. There are access points at the Marina Vista Park (contact East Bay Regional Parks Dispatch). There is also unimproved shoreline access along the Souther Pacific Rail Road tracks on the west side of Alhambra Creek (contact SP Rail Road).

Land Access: Thorough land access to west. Foot only to east. Beware of the two active rail lines.

On-Water Limitations: Very shallow near shore. Martinez Marina is inaccessible at low tides. Some submerged obstructions on west half. Launching and full boat services available at Martinez Marina on-site. Most boat services are also available across the river at Benicia Marina.

Facilities, Staging Areas, Command Posts, Available Equipment: Best site is Martinez Marina, but Benicia has good staging facilities. Vallerio Wharf also has good staging capacity.

Communications Problems: Good cell reception throughout area.

