

2-652-A Site Summary - Benicia Marsh**2-652-A****County:** Solano **ACP Division/Segment:** SO - D - S016 SO - D - S017**NOAA Chart:** SUISUN BAY
18657/18652**Map Book:****Decimal Degrees:** 38.04358 -122.154032**Site Description:**

This site extends from the foot of First Street, Benicia, and continues to the east to the Benicia Warf. The site is on both sides of the Benicia Marina. This is an elongated pickleweed, salt-grass marsh. The front of the salt-marsh has a beach berm which separates the marsh behind from all but highest tides. Tidal exchange volume is relatively minor. There are several small tidal inlets which are mostly obstructed with vegetation. There is also a tide gate on the marina breakwall which admits tidal exchange to the salt-marsh from the marina to the tug pier at 5th Street. The marsh front is sedge, pickleweed mix; the upper marsh is salt-grass and pickleweed. Ownerships include City of Benicia and private holdings.

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

8C Sheltered riprap

8B Sheltered solid man-made structures

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	Suisun song sparrow	FP, SSC		Mar-Jul
Birds	common yellowthroat	FP, SSC		Jun-Aug
Fish	longfin smelt	ST		Nov-May
Fish	chinook salmon - Winter-run	FE, SE		Oct-May
Fish	delta smelt	FT, SE		Mar-May
Mammals	salt-marsh harvest mouse	FE, SE		
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	/Office	Benicia Marina	(707) 745-2628
E	/Office	Benicia State Recreation Area	(707) 648-1911
O	/Dispatch, 24-hr	California Department of Water Resources	(916) 574-2714
O	/Dispatch, 24-hr	California State Parks	(916) 358-1300
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:

Several sensitive plant species occur in the area.

Concerns and Advice to Responders:

Primary concern is transport of oil to inner marsh and oiling of emergent marsh front. The strategy is to close the few small tidal inlets. If oil is crowded along shore, the marsh front may need protective booming or be used to collect at the designated locales. Avoid trampling marsh vegetation or tracking oil into marsh front or sediments.

Hazard and Restrictions:

This shoreline is shallow and has submerged obstructions.

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

Strategy: 2-652.1 Objective: Exclusion boom tidal inlets.

Strategy: There are a half-dozen small, low current tidal inlets. Each can be closed by staking 10' or 20' boom segments with sorbent backing depolyed by a team on foot from land or water. There is also a tide gate on the east Benicia Marina channel bulkhead which must be closed to exclude oil from the marsh to the east. An alternative measure is to close tidal inlets with fill (which requires notification of BCDC and US Corps Engineers).

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Sorbent			150	feet	
Anchor	Stakes			15		
Staff	Staff to Deploy			2		

Strategy: 2-652.2 Objective: Protective booming of entire marsh front: When heavy or continuous re-oiling is eminent and deployment will not preempt other urgent need.

Strategy: Set 6X6+ swamp boom and sorbent boom as close to shoreline as possible with available shallow draft vessels. Stake and/or anchor in place. 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	Swamp	6x6 inch		5000	feet	
Boom	Sorbent			1000	feet	
Anchor	Danforth	25 lb		11		
Anchor	Stakes			20		
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			8		

Logistics:

Directions: There is land access from I-780: exit at either East 5th Street and proceed to Bay or exit at East 2nd Street and proceed via First Street to bay front. Water access: the site is on both sides of the Benicia Marina breakwater across from Martinez Marina.

Land Access: Easy access to most shoreline.

On-Water Limitations: Shallow draft near shoreline, proceed with caution. Benicia Marina on site. Martinez Marina (1 mi. S).

Facilities, Staging Areas, Command Posts, Available Equipment: Stage at Martinez Marina, Benicia Marina or Benicia Wharf. Full services are available in both communities.

Communications Problems: Great Cell coverage.

