

2-671-A Site Summary - Honker Bay West - Wheeler Island Shore**2-671-A****County:** Solano **ACP Division/Segment:** SO - O - S002 SO - O - S003**NOAA Chart:** SUISUN BAY**Map Book:****Decimal Degrees:** 38.081231 -121.933504

18658/18556/18656

Site Description:

This site includes the 2 miles of bay shoreline and berm islands of Wheeler Island from Champion Slough to Rock Creek. The land is owned by nine separate, private duck clubs. There is a barrow channel separating the historic salt-marsh front from the current island levee resulting in extensive fringe saltmarsh for Honker Bay. Although there is some emergent salt-marsh along the rip-rapped island levee, the outer perimeter bayward of the barrow channel is a premium strip of native salt-marsh. These fronting islands have occasional breaks connecting the barrow channel and other inside channels to the bay. The outer bay margin is exposed to tangential wave action resulting in a mildly eroding shore with some accreting margins. The frontage Islands occasionally flood during very high tides and runoff periods. The adjacent bay is very shallow with occasional obstructions nearshore.

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	Suisun song sparrow	FP, SSC		Mar-Jul
Fish	longfin smelt	ST		Nov-May
Fish	delta smelt	FT, SE		Mar-May
Plants	Mason's lilaeopsis	SR		Apr-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
O	/Dispatch, 24-hr	California Department of Water Resources	(916) 574-2714
O	/Office	Suisun Resource Conservation District	(707) 425-9302
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
T	/Deputy Field Supervisor	US Fish and Wildlife Service	(916) 414-6702
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:

The salt-marshes along the shoreline are home to many kinds of birds and animals, including some endangered species. The major concerns are two. First, there are opening and channels through which the oil can pass and harm even greater areas behind the bay front. Second, oil can get on the front edge of the salt-marsh. Harm from response actions is always a concern. Keep in mind there are small endangered plants and animals underfoot.

Hazard and Restrictions:

There are shallows and obstructions along shore and inside the barrow channels. Honker Bay waves can be a navigation hazard when there are strong west winds.

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

Strategy: 2-671.1 Objective: Exclude oil from entering barrow channels and slough entrances.

Strategy: There are multiple breaks in the north shore which will allow oil to move into marshes behind. It will take at least 8 separate deployments of 9x9+ Hboom (depending on severity of wave action) to close barrow channels and slough openings. Deploy in a chevron "V" formation with center anchors at each opening. Leaving enough trailing ends to insure a seal at the shore connection in order to prevent gaps at low tides.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1600	feet	
Boom	Swamp	6x6 inch		700	feet	
Anchor	Danforth	22 lb		12		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-671.2 Objective: Exclusion/deflection boom at the best angle fend oil past marshfront when heavy oil is approaching the shore - divert the oil to on-water skimming.

Strategy: To deflect oil away from the shoreline, deploy 1700' of 9x9+ harbor boom from a point near Champion Slough mouth, at a diagonal to the current. Cascade legs as necessary. Advise IC and Ops for possible coordination of deflection with on-water skimming operations.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1700	feet	
Anchor	Danforth	22 lb		4		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-671.3 Objective: Protective 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: Protect windward shore from approaching oil. If there is a wind chop, this may best be accomplished using two layers of 6X6 swamp boom, else a single layer of 9x9+ Hboom: this strategy for deployment can be found in Potential Oil-Spill Protection Strategies for San Francisco Bay, California. (Hayes and Montelo, 1994). Requires 11,000' of Hboom or tidal barrier boom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	9x9 inch		11000	feet	
Anchor	Danforth	22 lb		25		
Vessel	Boom Boat			4		
Vessel	Skiff or Punt			1		

Logistics:

Directions: They may be reached from Hwy 12 in Suisun City, then south on Grizzly Island road to Grizzly Island Wildlife Refuge. For further access and entry, contact Grizzly Island Wildlife Refuge (707-425-3828) or Suisun Resource Conservation District staff (707-525-9602). Nearest boat access is 3 miles southeast at McAvoy's Marina, Bay Point (9 miles to Martinez, 7 miles to Pittsburg).

Land Access: Access via levees when they are dry. Avoid levees in wet months to prevent damage and getting stuck.

On-Water Limitations: Very shallow water nearshore. McAvoy's/Harris Marina at Bay Point. Pittsburg Marina. Martinez Marina.

Facilities, Staging Areas, Command Posts, Available Equipment: The duck clubs have power and good small boat docking facilities.

Communications Problems: Cell reception varies in this area.