

2-673-A Site Summary - Honker Bay East - Chipps Island Shore**2-673-A****County:** Solano **ACP Division/Segment:** SO - O - S005**NOAA Chart:** SUISUN BAY**Map Book:****Decimal Degrees:** 38.056684 -121.914241

18658/18556/18656

Site Description:

This site includes the 2 miles of Honker Bay shoreline on the western side of Chipps Island including the barrow channel behind the bay frontage. The barrow channel separates the historic salt-marsh front from the current island levee resulting in extensive fringe salt-marsh. Although there is some emergent salt-marsh along the rip-rapped island levee, the outer perimeter is a premium strip of native salt-marsh. It has occasional breaks connecting the barrow channel and inside channels to Honker Bay. The outer bay margin is exposed to tangential wave action resulting in a mildly eroding shore with some accreting margins.

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	migratory waterfowl	FP		
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
Plants	Suisun marsh aster	SSSP		May-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	/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:

Concerns and Advice to Responders:

The salt-marshes at the shoreline are home to many kinds of birds and animals, including some endangered plants, birds, and animals. The major concerns are two. First, there are many tidal channels through which the oil can pass and harm even larger areas behind the bay front. Second, oil can get on the front edge of the salt-marsh and into the sediments. Harm from response actions is always a concern.

Hazard and Restrictions:

There are shallows and obstructions along shore and inside the barrow channels.

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

Strategy: 2-673.1 Objective: Exclude oil from entering barrow channels and slough entrances.

Strategy: Close the three openings to the barrow channel.

(a) at the west tip (north corner) deploy chevron of 400 ft Hboom with inner second chevron of 200 ft of Sboom

(b) Use two swamp boom (1000' of 6X6+), backed with sorbent boom (1000'), to exclusion boom the south opening. Anchor boom across channel entries and leave a trailing end to make a tidal seal. Observe and repeat if wind chop is overwhelming the boom. There are submerged pilings in this area.

(c) The north opening must be boomed both at the mouth (500' 6X6+) and inside where the two barrow channels branch off (100' swamp boom each with light anchors).

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		400	feet	
Boom	Swamp	6x6 inch		1900	feet	
Boom	Sorbent			1000	feet	
Anchor	Danforth	22 lb		15		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-673.2 Objective: For EBB flow, Deflection at Pt Simmons, to divert oil past site to keep oil in channel and to avert carry-back into Honker Bay on eddy.

Strategy: Deploy harbor boom (600') at Simmons Pt on a shallow contour to keep oil in the channel best and stop it from angle fend oil past marsh front to designated collection area. BEWARE: This area west of Simmons Point is an underground pipe corridor - use anchors with extreme caution!

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		600	feet	
Anchor	Danforth	22 lb		4		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-673.3 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: Deploy exclusion/deflection boom at the best angle fend oil past marshnfront to designated collection area. 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 13,000' of Harbor boom or tidal barrier boom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		13000	feet	
Anchor	Danforth	22 lb		27		
Vessel	Boom Boat			5		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			17		

Logistics:

Directions: There is only water access to Chipps Island. Nearest boat access is 2 miles southwest at McAvoy's Marina, Bay Point (8 miles to Martinez, 5 miles to Pittsburg).

Land Access: Avoid levees when they are wet, it will damage them and you may get stuck.

On-Water Limitations: Very shallow near shoreline. McAvoy's Marina at Bay Point. Pittsburg Marina. Martinez Marina.

Facilities, Staging Areas, Command Posts, Available Equipment: Best staging sites are nearby McAvoy's/Harris Marina at Bay Point. PG&E, Pittsburg Marina, and Martinez Marina are alternates. The duck clubs on Chipps Island have power and good small boat docking facilities.

Communications Problems: Cell reception is spotty in this area.

