

**2-710-A Site Summary - Brown's Island****2-710-A****County:** Contra Costa **ACP Division/Segment:** CC - I - S019 CC - I - S022**NOAA Chart:** 18656 Suisun Bay**Map Book:****Decimal Degrees:** 38.037874 -121.863871**Site Description:**

This site includes all of Brown's Island and includes Middle Slough just to the east. This island at the eastern end of Suisun Bay is surrounded by channels more than one quarter mile wide. It is part of the East Bay Regional Park District's (EBRPD) jurisdiction. It is covered with marshes, lagoons, and waterways. Brown's island has three plant communities including freshwater marsh, willow scrub, and a riparian forest. It is not diked.

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

9B Vegetated low banks

5 Mixed sand and gravel beaches

**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	California black rail	FP, ST		Mar-Aug
Fish	longfin smelt	ST		Nov-May
Fish	delta smelt	FT, SE		Mar-May
Plants	Mason's lilaeopsis	SR		Apr-Nov
Plants	Contra Costa wallflower	FE, SE		Mar-Jul
Plants	Antioch Dunes evening primrose	FE, SE		Mar-Sep
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	East Bay Regional Park District	(510) 881-1833
E	/Shoreline Parks Manager	East Bay Regional Park District	(510) 881-1832
O	/Dispatch, 24-hr	California Department of Water Resources	(916) 574-2714
S	/Dispatch, 24-hr	Contra Costa County Office of the Sheriff	(925) 646-2441
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:**

Submerged hazards are to be expected near shoreline.

**Concerns and Advice to Responders:**

The concern is that the entire Island is a salt-marsh which are vulnerable to oiling. Of greater concern are the slough openings which would more than double the exposure. Closing sloughs and keeping oil off shorelines are the objectives. Responders should minimize disturbance of vegetation and avoid tracking oil into salt-marsh and sediments.

**Hazard and Restrictions:**

Shallow near shoreline, particularly on the north side. Beware of submerged obstacles.

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

**Strategy: 2-710.1 Objective:** Exclusion Booming if oil is moving from east or south side toward site: Deploy exclusion booming at Middle Slough, small openings and channels, and marshy southeast corner.

**Strategy:** Establish boom to capture oil at the mouth of Middle Slough using 9x9 + Hboom anchored to channel islands on each side. Deploy 1500 ft. of 6X6 + Sboom from the skimming boom along the emergent marsh at the southwest corner of the island. Block the mouth of Winter Island channel with 6X6+ Hboom with sorbent backing. Boom the slough mouth between G3 and G5 with 6X6+ boom with sorbent backing. Place sorbant blocking in any other openings to interior sloughs. To collect oil in case of accumulation, use 50ft of Oil Snare (OS), 100ft of sorbent boom. Contact IC if oil accumulates in skimmable quantities.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		2400	feet	
Boom	Swamp	6x6 inch		2000	feet	
Boom	Oil Snare (pom-pom)			50	feet	
Boom	Sorbent			2000	feet	
Anchor	Danforth	22 lb		12		
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			8		

**Strategy: 2-710.2 Objective:** Exclusion Booming: if oil is moving from west toward site: Deploy exclusion booming from Pt. Emmet to the creek mouth on the northwest shore of Brown's Island, and at all inlets on the remaining shoreline.

**Strategy:** Deploy 2000 ft of 6X6 + Sboom from Pt. Emmet to the creek mouth, a backup 6X6 and sorbent across creek mouth, and boom the mouth of slough opening halfway to Middle Slough (back with sorbent boom). Set 600' of 9x9 + Hboom across the northerly mouth of Middle Slough. Set up boom anchored to channel levee in the "pocket" just east of Middle Slough mouth and place sorbent booms on the channels inside the pocket. To collect oil in case of accumulation, use 50ft of Oil Snare (OS), 100ft of sorbent boom. Contact IC if oil accumulates in skimmable quantities

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Boom	Oil Snare (pom-pom)			50	feet	
Boom	Sorbent			600	feet	
Anchor	Danforth	22 lb		8		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			7		

**Strategy: 2-710.3 Objective:** Oil Recovery by Shoreside skimming

*Strategy:* If oil accumulates in skimmable quantities use skimmer to collect the oil. Establish skimmer at the mouth of middle slough if oil is moving from east or south side toward site. If oil is moving from west toward site, set up skimmer just east of Middle Slough mouth. Consult with IC prior to initiating this strategy.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
skimmer	self propelled			1		
Staff	Staff to Deploy			3		

### Logistics:

*Directions:* Access by water only: Browns Island is immediately upstream (east) of Pittsburg Marina.

*Land Access:* Access by vessel only.

*On-Water Limitations:* Shallows, particularly on north side. Pittsburg and Antioch Marinas.

*Facilities, Staging Areas, Command Posts, Available Equipment:* Pittsburg and Pittsburg Marina or Antioch has full range marine and other facilities. Pittsburg launch ramp is a good deployment site.

*Communications Problems:* Cell reception varies.

*Additional Operational Comments:* Access: By water, Brown's Island is easily accessible from the Pittsburg Marina.

