

**2-783-A Site Summary - Kimball Island - Cabin Slough****2-783-A****County:** Sacramento **ACP Division/Segment:** SA - A - S03 SA - A - S08**NOAA Chart:** 18661 Sacramento & San Joaquin River **Map Book:** **Decimal Degrees:** 38.027826 -121.817142**Site Description:**

This site includes Kimball Island, SW shore of Shermin Island, Cabin Slough, and channel berm islands at each end of Cabin Slough. Kimball & Sherman Isles have very low, eroding levees, but over half its area is unleveed and has multiple finger channels into its emergent salt-marsh. Cabin Slough has mid-channel islands throughout its length and particularly at its east mouth. The water depth throughout Cabin Slough is relatively navigable but water depths vary greatly. Both ends of Kimball island are very shallow (tide dependent). There are several private dwellings and docks consistent with a no wake zone to minimize shoreline erosion.

**Resources at Risk:***ESI and Habitat:* 10B Freshwater marshes

9B Vegetated low banks

8B Sheltered solid man-made structures

**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Fish	longfin smelt	ST	Year-round	Nov-May
Fish	steelhead - Central/Northern California	FT	Year-round	Nov-Apr
Fish	chinook salmon - Winter-run	FE, SE	Year-round	Oct-May
Fish	delta smelt	FT, SE	Year-round	Mar-May
Plants	Mason's lilaeopsis	SR	Year-round	Apr-Nov
Plants	Suisun marsh aster	SSSP	Year-round	May-Nov
Reptiles	giant garter snake	FT, ST	Year-round	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	Contra Costa Water District	(925) 688-8374
S	/Dispatch, 24-hr	Sacramento Co. Office of Emergency Services	(916) 875-6900
T	/Environmental Program Manager	CA Dept. of Fish & Wildlife, Bay Delta Region	(707) 576-2837
T	/Spill Response Coordinator	US Fish and Wildlife Service, Bay-Delta Office	(479) 233-9241

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:**

Major concerns are spreading of oil into salt-marshes of Cabin Slough and penetration of oil into emergent marshes and tidal channels at each end of both Sherman & Kimball Islands.

**Hazard and Restrictions:**

Shallows, submerged obstructions, sunken vessels.

**Site Strategies:**

**Site Validation Level: III**

**Strategy: 2-783.1 Objective:** Exclude oil entry at westerly end of Cabin Slough - wind chop is a problem here.

**Strategy:** Deploy Hboom at a very acute angle to wind across the westerly mouths. Deploy 1600' 9x9+ exclusion boom from the west tip of Kimball Island northwesterly to the Sherman Island shore. Mid-reach anchoring will be necessary for maintaining an effective configuration. Be sure to provide a near shore seal. Back with sorbent as needed. Use 150' containment boom for a collection pocket at easterly end, deploy self-propelled skimmer to collect pooled product as necessary.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1750	feet	<i>Strategy Updated:</i> 6/19/2023 <i>Last Test:</i> 5/12/2023
Boom	Sorbent			1750	feet	
Anchor	Danforth	22lb lb		7		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
skimmer	SSS/SPS			1		
Staff	Staff to Deploy			8		

**Strategy: 2-783.2 Objective:** Deflection/Exclusion booming of marsh at west end of Kimball Island and fend oil past.

**Strategy:** From the mid-length anchor of the above boom, deploy a double layer of Swamp boom on a 3000' perimeter of the west tip marsh. Ensure a tidal seal a east boom ends.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 lb		6000	feet	
Anchor	Danforth	25 lb		13		
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			8		

**Strategy: 2-783.3 Objective:** Exclude oil at east end of Kimball Island, from penetrating marshes, channels, pockets and Cabin Slough

**Strategy:** Deploy a 9x9+ Hboom from the east tip of Kimball Island near Old Levee, 3500' easterly following the 10 ft. depth contour to the Sherman Island Bank. As oil impacts site watch carefully to assess need for backup exclusion booming across slough mouths. Place sorbent boom across slough mouths.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		3500	feet	
Boom	Sorbent			600		
Anchor	Danforth	25 lb		8		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			8		

**Logistics:**

*Directions:* There is no land access. The site is across the river from Antioch Marina.

*Land Access:* The only access to Kimball Island is by vessel.

*On-Water Limitations:* Very shallow with obstructions (tide dependent). Launch from Antioch Marina.

*Facilities, Staging Areas, Command Posts, Available Equipment:* Staging and facilities are available at Antioch Marina or Pittsburg Waterfront.

*Communications Problems:* Good cell reception throughout area.

*Additional Operational Comments:* 5 MPH no wake zone within Cabin Slough.

