

**2-860-A Site Summary - Prospect Slough and Liberty Island****2-860-A****County:** Solano**ACP Division/Segment:****NOAA Chart:** 18662 SACRAMENTO  
RIVER**Map Book:** 18662 Sacramento R **Decimal Degrees:** 38.243002 -121.678642**Site Description:**

This site includes Prospect Slough and the freshwater marshes on both sides near its mouth as well as its upstream tributaries and Liberty Island which is flooded and has a large opening on Cache Slough just to the west of Prospect Slough mouth but multiple openings on Prospect and Shag Sloughs as well. Included are over 3000 acres on Liberty Island and 10 miles of marsh/riparian waterways and adjacent marsh habitat. This reach leads to a dead-end slough has extremely rich marsh and riparian growth throughout its length including channel islands. Portions are leveed but much is not. It has many shallows and snags. This habitat is rich in aquatic, marsh and terrestrial life. Liberty Island flooded in 2000 and has been evolving as a cattail-tule marsh ever since. This site is the overflow outlet for the Yolo Bypass.

**Resources at Risk:**

*ESI and Habitat:* 10B Freshwater marshes  
9B Vegetated low banks  
8C Sheltered riprap

**List of Resources at Risk:**

	<b>Resource Name</b>	<b>Status</b>	<b>Presence</b>	<b>Sensitivity</b>
Fish	delta smelt	FT, SE		Mar-May
Fish	longfin smelt	ST		Nov-May
Fish	steelhead - Central/Northern California	FT		Nov-Apr
Fish	chinook salmon - Winter-run	FE, SE		Oct-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:**

<b>Type</b>	<b>Name/Title</b>	<b>Organization</b>	<b>Phone</b>
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
E	/Office	North Delta Water Agency	(916) 446-0197
E	/Manager	Solano County Water Agency	(707) 455-1105
O	/Dispatch, 24-hr	California Department of Water Resources	(916) 574-2714
T	/Environmental Program Manager	CA Dept. of Fish & Wildlife, Bay Delta Region	(707) 576-2837
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:**

This is an extensive marsh / riparian area (including the 3000+ acres inside Liberty Island) which can be best protected by excluding or deflecting oil to collection at the mouth to avoid penetration of oil into wetlands. Penetration of oil into banks through invertebrate and mammal burrows and tree root channels. Minimize disturbance of wildlife and trampling vegetation; there are small endangered species in the area.

**Hazard and Restrictions:**

Aerial traffic beware of overhead powerlines. Watercraft beware of snags and shallows. Pedestrian hazards include: Poison Oak, riprap, and dense vegetation.

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

**Strategy: 2-860.1 Objective:** Exclusion boom Prospect Slough mouth and marsh and upper Cache Slough openings to Liberty Isl.

*Strategy:* Exclude oil from traveling into Prospect Slough, Liberty Island and nearby marshes.

A. Execute strategy 2-850.3 Exclusion to shore confinement/collection to keep oil from moving up Cache Slough and entering levee breaks in Liberty Island.

B. across open water of the mouth itself, lay 1300' of 9x9+ Hboom backed with sorbent

c. across marshy area from Prospect Slough mouth to the high ground near the ship channel, lay 2200' of 6X6+ boom backed with sorbent., at the west end, angle boom out toward the center channel to divert oil away from the mouth; leave trailing boom lengths to promote sealing during tidal flux.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1300	feet	
Boom	Swamp	6x6 inch		2200	feet	
Boom	Sorbent			3500	feet	
Anchor	Danforth	25 lb		10		
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

**Logistics:**

*Directions:* Vehicle access here is seasonal and via private levee roads. All year access to road across Cache Slough from mouth: levee road 7 miles north from Rio Vista via Hwy 84. Also Sacto Ship Channel levee. By water from Rio Vista north up the Sacramento River and then half mile west of the Sacramento Deep Water Channel along the northerly bank.

*Land Access:* Access from levees when dry, avoid levees when saturated.

*On-Water Limitations:* Private boat launch on east side (near Miner Slough Mouth) but needs to be cleared prior to use. Real McCoy Ferry (Hwy 84) can be used as a launch site. Launch, moorage and fuel are also available at Steamboat Slough and Rio Vista.

*Facilities, Staging Areas, Command Posts, Available Equipment:* Real McCoy Ferry has large deployment site. Another deployment site is past mouth of Prospect Slough but access is limited. Rio Vista has a full range of support facilities.

*Communications Problems:* Cell reception varies in area.

