

2-830-A Site Summary - Steamboat Slough**2-830-A****County:** Solano **ACP Division/Segment:****NOAA Chart:** 18662 SACRAMENTO RIVER **Map Book:****Decimal Degrees:** 38.30479 -121.574187**Site Description:**

Site extends from its mouth on the Sacramento River near Courtland to its mouth on Cache Slough at the tips of Grand and Ryer Islands, approx 14 river miles. Sutter Slough connects at mid-length. This Slough is a north-south (shortcut) side channel of the Sacramento River. It has abrupt steep levees with occasional water side benches and beaches. Much of its length is rip-rapped but it has mature and shrub-scrub riparian growth at its northerly and southerly reaches.

Resources at Risk:*ESI and Habitat:* 6B Riprap

9B Vegetated low banks

8B Sheltered solid man-made structures

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	Swainson's hawk	FP, ST		Mar-Sep
Fish	steelhead - Central/Northern California	FT		Nov-Apr
Fish	chinook salmon - Winter-run	FE, SE		Oct-May
Fish	delta smelt	FT, SE		Mar-May
Plants	Mason's lilaeopsis	SR		Apr-Nov
Plants	Delta tule pea	SSSP		May-Jul
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	/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
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	/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:

Infiltration of oil into riprap and into levees via invertebrate, muskrat and beaver burrows. Penetration and potential impacts to riparian habitats.

Hazard and Restrictions:

Aerial traffic beware of overhead powerlines and TV antennae towers in Walnut Grove vicinity. Narrow road, narrow bridges, and narrow shoulders with riparian vegetation makes this site a dangerous hazard. Traffic control should be implemented at this site. Bridge height is 14' 6". Narrow road and narrow shoulders creates a hazardous situation. Loose footing near water.

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

Strategy: 2-830.1 Objective: Exclusion/diversion to collection at the Sacramento mouth: divert it to shore-side collection.

Strategy: 1. Lay 600' 6X6 deflection boom from a point up the Sacramento from marina docks above the mouth at a downstream 45 degree angle to mid-channel to divert oil away from slough mouth. Back with sorbent.

2. Deploy exclusion-collection boom across Steamboat Slough at a slight angle to take advantage of eddying along the north bank.

3. Deploy absorbent booms behind exclusionary booms to capture oil streamers.

4. Establish land-based collection unit to collect accumulating oil. Use 50ft of Oil Snare (OS), 100ft of sorbent boom to collect oil that may accumulate. Contact IC if oil begins to accumulate in skimmable quantities.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		1300	feet	
Boom	Oil Snare (pom-pom)			50	feet	
Boom	Sorbent			600	feet	
Anchor	Danforth	25 lb		7		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-830.2 Objective: Exclusion/deflection booming Steamboat Slough south mouth on Cache Slough on incoming tides.

Strategy: Set 500' 9x9+ Hboom in a shallow chevron to shunt oil past mouth and simultaneously block its entry. Anchor near shore and leave a trailing boom length to insure tidal seal. Back with sorbent boom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		500	feet	
Boom	Sorbent			500	feet	
Anchor	Danforth	25 lb		5		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-830.3 Objective: Oil Recovery by Shoreside skimming

Strategy: Deploy skimmer if oil accumulates in skimmable quantities. Consult with IC prior to the initiation of 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: By water, site is accessible via its northerly mouth on the Sacramento River just south of Sutter Slough (Courtland) or via its southerly mouth just east of the Ryer Island Ferry (hwy 84) on Cache Slough. Best vehicle access is Grand Island Road off Hwy 160.

Land Access: Good access via levees, best access from vessels.

On-Water Limitations: Courtland Docks and Morgan Landing closest northerly boating facility. Snug Harbor, Rio Vista or Real McCoy Ferry Landing are nearest launch point to south.

Facilities, Staging Areas, Command Posts, Available Equipment: Steamboat Landing is the nearest facility. Small front parking lot available but not convenient for large-scale deployment. Stairs available for beach access. Hidden Harbor and Snug Harbor closest facilities. Rio Vista has best service for south mouth. Deployment at south mouth may be staged at ferry landing or local marinas.

Communications Problems: Cell reception may be spotty.

