

2-790-B Site Summary - Three Mile Slough - San Joaquin River**2-790-B****County:** Sacramento **ACP Division/Segment:** SA - C - S02 SA - C - S11**NOAA Chart:** 18661 Sacramento & **Map Book:** **Decimal Degrees:** 38.090082 -121.685679
San Joaquin River**Site Description:**

This Slough is about 3.5 mile long from its mouth on the Sacramento River to its mouth on the San Joaquin River. Site also includes the westerly end of Sevenmile Slough. This swift flowing channel is rip-rapped on most of its steep banks. There are pockets of riparian vegetation. Brannan Island State Park borders its northwestern edge. There are pockets of emergent growth along its length, particularly in the Sevenmile Slough channel at the Park. More significant is the role this reach plays in Delta circulation: it is a key control point to prevent oil spreading from one side of the Delta (Sacramento River vs San Joaquin River) to the other on flood tides.

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

8C Sheltered riprap

9B Vegetated low banks

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	greater sandhill crane	FP, SSC		
Fish	longfin smelt	ST		Nov-May
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
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	North Central Information Center	(916) 278-6217
E	/District Administrator	Bradford Island Reclamation District	(925) 209-5480
E	/Office	North Delta Water Agency	(916) 446-0197
E	/Office	Sherman Island Reclamation District	(925) 978-0583
E	/Office	Twitchell Island Reclamation District	(209) 946-0268
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	/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:

Several sensitive plant species occur in the area.

Concerns and Advice to Responders:

The big concern here is oil movement from San Joaquin to Sacramento: there is a big cross-flow which this strategy attempts to confront by exclusion at mouth and diversion to collection for any entraining oil.

Hazard and Restrictions:

Steep eroded banks and areas of thick vegetation. Narrow road and narrow shoulders creates a hazardous situation. Traffic control should be implemented at this site.

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

Strategy: 2-790.1 Objective: Primary exclude at mouth on San Joaquin to prevent spreading to Sacramento River side. Oil can move through slough on ebb or flood

Strategy: Deploy 3000' 9X9+ Hboom across the San Joaquin River mouth of 3-mile Slough. Anchor in a shallow chevron configuration to encourage oil to slide past the mouth. Boom can be delivered to site from shore from Sherman Island Levee Road.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		3000	feet	
Anchor	Danforth	44 lb		11		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-790.2 Objective: Diversion to shoreside confinement for collection

Strategy: Backup the capture system with two layers of collection boom(s) (3000' 9x9+) diagonally across the slough to favorable collection points for land-based collection. Both levees (west on Sherman Island has paved road and east side on Twitchell Island is all weather) will support a skimming operation - use the favorable shore based on wind and current. Boom can be deployed from the levee.

Use 50ft of Oil Snare (OS), 100ft sorbent boom to collect any oil that may accumulate. If oil accumulates in skimmable quantities, contact IC to activate skimmers as directed per 790.3 .

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		3000	feet	
Boom	Oil Snare (pom-pom)			50	feet	
Boom	Sorbent			100	feet	
Anchor	Danforth	44 lb		9		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-790.3 Objective: Oil Recovery when heavy oil threatens and skimmable oil accumulates

Strategy: Deploy self-propelled skimmers (SPS) near the San Joaquin River mouth of Three Mile Slough if oil is threatening in skimmable quantities. Deploy shore-side skimming at diagonally deployed booms; both levees will support a skimming operation - use the favorable shore based on wind and current.

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: This site is easily accessible from either Sacramento or San Joaquin Rivers since it is a major cross link. Also, the boat ramp at Brannon Island State Park is on the Slough. Levee Roads and Hwy 160 provide vehicle access:

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Sherman Island Road is an all weather, paved road; Twitchell Island levee roads are private (DWR).

Land Access: Good access from either side using levee roads. Most convenient access from north side levees thru Brannan Island State Recreational Area.

On-Water Limitations: Launching facilities available at Brannan Island State Recreational Area.

Facilities, Staging Areas, Command Posts, Available Equipment: Staging area available on river side and slough side at Brannan Island Recreational Area. Facilities including parking, restrooms, electricity, and water available.

Communications Problems: Good cell reception in area.

