

**County:** Sacramento **ACP Division/Segment:****NOAA Chart:** 18661 Sacramento / San Joaquin River **Map Book:****Decimal Degrees:** 38.087419 -121.644978**Site Description:**

River and berm islands from Old River to Antioch Bridge. Includes San Joaquin margins of Sherman, Twitchell, Jersey, Bradford, Bouldin, Webb, and Andrus Islands downstream from the mouth of the Mokelumne River to Sevenmile Slough berms (site 2-743). This is a broad section of the San Joaquin River with heavily rip-rapped shoreline and occasional berm and emergent patches particularly along Sherman Island and Webb Tract. This is deep, open water. Barrow channel islands are throughout the river reach and those on the windward shores are suffering from wave erosion. DWR has invested significant effort and dollars to protect and restore these berm islands. From a response stand-point, there are resources at risk within the site, of particular concern are the salt-marsh islands, but even more significantly, this channel is a conduit for delta-wide spreading of oil through various side channels.

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

9B Vegetated low banks

10A Salt - and brackish-water marshes

**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	Swainson's hawk	FP, ST		Mar-Sep
Fish	chinook salmon - Winter-run	FE, SE		Oct-May
Fish	delta smelt	FT, SE		Mar-May
Fish	longfin smelt	ST		Nov-May
Fish	steelhead - Central/Northern California	FT		Nov-Apr
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	Northwest Information Center	(707) 588-8455
E	/Superintendent	Brannan-Andrus Reclamation District	(916) 952-9967
E	/Office	Mandeville Island Reclamation District	(209) 946-0268
E	/Office	Sherman Island Reclamation District	(925) 978-0583
E	/Office	Webb Tract Reclamation District	(209) 943-5551
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
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	/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:**

The main side channels for delta spreading in addition to the upper San Joaquin are Threemile Slough (2-790), False River (2-735), Old River (2-900), Potato Slough (2-070) and to a lesser degree Fishermans Cut (2-742), Mokelumne River mouth (2-870) and Sevenmile Slough.

**Concerns and Advice to Responders:**

General Primary concern is oil spreading throughout the Delta along this stem channel and the many branching channels. Also of concern is oiling the barrow sloughs and islands. State agencies have invested money in an effort to preserve the islands for wave damage.

**Hazard and Restrictions:**

Several obstructions and shallows along shorelines. Aircraft beware of overhead power wires.

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

**Strategy: 2-740.1 Objective:** Diversion to confinement/collection at windfall locations along shore to reduce degree of spread and oiling.

**Strategy:** Where ever oil is tending to collect at the shoreline as a result of wind and eddies, enhance collection by deploying collection booms and skimming operations. Use 50ft of Oil Snare (OS), 100ft of sorbent boom to collect any 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	Harbor	9x9 inch		2000	feet	
Boom	Oil Snare (pom-pom)			50	feet	
Boom	Sorbent			100	feet	
Anchor	Danforth	22 lb		7		
Vessel	Boom Boat			1		
Vehicle	Skiff or Punt			1		
Staff	Staff to Deploy			5		

**Strategy: 2-740.2 Objective:** Exclude/protect berm islands & barrow channels

**Strategy:** Deflect oil into main channels and away from vegetated islands, side channels and shorelines by deploying deflection booms from levee out into channel using deflection booms. Also, exclude oil from entering protected barrow channels between channel islands and levees by blocking (and backing with sorbent) openings and mouths which would admit oil. If oil is eminent threat to channel exposures of islands, then the exposed margins will need protective booming with small skirted boom or sorbent boom or both.

Here are the four channel island groups in this reach and their boom requirements:

- a) islands along the Sherman Island shore (G21-G25) - 300' 6X6+deflection at each end, 900'6X6+ to close two mouths and one large opening, 9000'of 6X6+ or sorbent for shore protection;
- b) island at north end of Bradford Island (G29-G33) - 300' 6X6+ deflection boom at each end, 400' 6X6+ for mouth closures, shore protection 3300' 6X6+;
- c) islands at the northeast corner of Webb Tract (R38-G39) - 1000' 6X6+ to close mouths and opening, 2400' 6X6+ shore protection;
- d) island string around northeast corner of Webb Tract (G43-R52) - deflection at west end 500' 6X6, mouth closures 1000' 6X6+, shore protection 6000' 6X6+ and 1000' sorbent.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		25100	feet	
Boom	Sorbent			1000	feet	
Anchor	Danforth	22 lb		51		
Vessel	Boom Boat			12		
Vessel	Skiff or Punt			3		
Staff	Staff to Deploy			36		

**Strategy: 2-740.3    Objective:** Oil Recovery by Shoreside skimming

*Strategy:* Deploy skimmers if oil accumulates in skimmable quantities at collection booms (2-740.1). Most levees provide good access in all but very wet weather, for land-based skimming (alternatively shallow water skimmers could visit collection pockets).

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:* Public access roads to island margins available on Sherman and Andrus Islands. Webb Tract, Jersey, Bradford, Twitchell, Bouldin, and Venice Islands have private access levee roads to island margins. Access by boat from launch points at Brannon Island State Park, Antioch, and mouth of Mokelumne River.

*Land Access:* Good access to levees when dry, avoid when saturated.

*On-Water Limitations:* Brannon Island State Park, Antioch, Sevenmile Slough marinas, marinas at mouth of Mokelumne River.

*Facilities, Staging Areas, Command Posts, Available Equipment:* Staging sites are available on adjacent islands and levees. Services and facilities (water, lodging, marine service, food..) on Andrus Island near mouth of Mokelumne make that locale desirable staging area. Brannon Island State Park may serve as a C command post for this area.

*Communications Problems:* Cell reception varies.

