

2-740 -B Site Summary- San Joaquin River, Sherman-Webb Reach**2-740 -B**County: **Sacramento, Contra Costa County**

Thomas Guide Location

Latitude N

Longitude W

USGS Quad: **Jersey Island, Bouldin Island**

3 8 04

121 43

NOAA Chart: **18661 Sacramento / San Joaquin River**

Last Page Update : 7/1/2005

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. Shores are wave-washed. 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 riparian/marshy islands, but even more significantly, this channel is a conduit for delta-wide spreading of oil through various side channels. 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.

SEASONAL and SPECIAL RESOURCE CONCERN

Marshy/riparian berm islands

RESOURCES OF PRIMARY CONCERN

The berm islands occasioned along the heavily rip-rapped shoreline, particularly along Sherman Island and Webb Tract are vulnerable marshy riparian habitat. Windward shores are wave-washed. This is deep, open water.

Winter-run Chinook salmon (FE,SE) smolts (in area 09-05), Delta smelt (FT,SE) juveniles, Sacramento Splittail juveniles, Striped Bass spawn in area most years

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept of Parks and Recreation - Office of Historic Preservation (Eric Allison (916) 653-9125), and the Northwest Information Center, (Bryan Much, Sonoma State College (707) 332-1117) for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
E	Gilbert Cosio	Webb Tract Reclamation District	(209) 943-5551
E	Victoria Hale	Brannan-Andrus Reclamation District	(916) 776-2544
	John Henderson F/W Biologist	US Fish & Wildlife Service, Environmental Contam	(916) 414-6595
	Eric Larson	CA Dept. of Fish & Wildlife, Bay/Delta	(707) 944-5528
E	Henry Matsunaga	Sherman Reclamation District	(916) 448-2821
E	Chris Neudeck	Mandeville Island Reclamation District	(209) 946-0268

ADDITIONAL SITE SUMMARY COMMENTS:

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CONCERNS and ADVICE to RESPONDERS:

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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 where live lots of wildlife; State agencies have invested money in an effort to preserve the islands for wave damage.

HAZARDS and RESTRICTIONS:

obstructions and shallows at margins. Aircraft beware of high power wires.

SITE STRATEGIES

This stem channel of the San Joaquin is broad and fairly deep. Water movement is strongly tidal. Currents are significant and wind fetch can build whitecaps. Wind may move oil against the windward shore.

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

Wherever 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.

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

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, 900'4X4+ to close two mouths and one large opening, 9000'of 4x4+ or sorbent for shore protection;

(b) island at north end of Bradford Island (G29-G33) - 300'6X6+ deflection boom at each end, 400'4X4+ 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.

Strategy 2-740.3 Objective: Oil Recovery by Shoreside skimming

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

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
2-740.1	2000		50 OS	100	8 8/12+/danforths	1	1			5	
2-740.2	0	25100		1000	30 30/22+/danforths & stakes & line					36	
2-740.3	0	0	0	0	0	0	0	4 SSS	0		

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

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. 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).

LAND ACCESS: GOOD LEVEE RDS EXCEPT WHEN WET

WATER LOGISTICS: GOOD EXCEPT NEAR SHORE SHALLOW/OBSTRUCT.

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Brannon Island State Park, Antioch, Sevenmile Slough marinas, marinas at mouth of Mokelumne River.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

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: none known

ADDITIONAL OPERATIONAL COMMENTS:

2-740 -B Strategy Diagram- San Joaquin River, Sherman-Webb Reach

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