

County: **Sacramento**

Thomas Guide Location

Latitude N

Longitude W

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

3 8 07

121 39

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

Last Page Update : 7/1/2005

**SITE DESCRIPTION:**

This site includes the shallow slough between Twitchell and Andrus Islands from the Twitchell Island bridge east of Hwy 160 to the confluence with the San Joaquin River and the tule islands at the mouth of the slough on the San Joaquin River. This site is designated a natural area by Delta Master Recreational Plan. The first 1.5 miles are continuous with the San Joaquin River, while the central 3 miles is behind at flood gate. This site includes marsh along the length of the slough, particularly the eastern end. Riparian trees and shrub-brush occur on banks and berm islands. Tule islands exist at the mouth of the slough in the San Joaquin River. Area has extensive marina development.

**SEASONAL and SPECIAL RESOURCE CONCERN**

This marshy-riparian area is "A" priority at all times.

**RESOURCES OF PRIMARY CONCERN**

Marsh and shrub-scrub line most of the channel and channel Islands. This is excellent habitat for all manner of riverine animals and fish and is good spawning habitat for Delta smelt and various warmwater fish.

This is nesting and foraging habitat for all manner of waterfowl and marsh and riparian birds.

The marsh also supports a wide diversity of marsh mammals and other riparian vertebrates.

**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
	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	Chris Neudeck	Mandeville Island Reclamation District	(209) 946-0268

**ADDITIONAL SITE SUMMARY COMMENTS:**

## 2-743 -A Site Strategy - Sevenmile Slough

County and Thomas Guide Location

Sacramento

NOAA CHART

18661 Sacramento / San Joaquin River

## 2-743 -A

Latitude N

3 8 07

Longitude W

121 39

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### CONCERNS and ADVICE to RESPONDERS:

The major concern is spread of oil into the inner reaches of the slough behind river front islands and behind the flood gates: oiling of extensive emergent marshes of islands and margins. Many marinas and boats are vulnerable as well.

### HAZARDS and RESTRICTIONS:

Riprap poses slip, trip and fall hazards. Vessels beware of submerged objects and shallows at margins.

### SITE STRATEGIES

Winds and currents tend to keep oil away from this shoreline. However, unusual winds plus a large eddie just to the north near the mouth of the Mokelumne River (San Andreas Shoal) can accumulate oil immediately upstream.

Strategy 2-743.1 Objective: Exclude oil from moving into protected channels inside channel islands which front the slough mouth and protect the islands also.

Use 6X6+ exclusion boom to close all openings between channel islands and mouths to inside channel (600') and back with sorbent boom. Front the channel islands with 4X4+ protective boom or sorbent boom (3000'). Ensure a tidal seal at shore closures. Good levee roads enable shore deployments. Close tide gate to stop flow to western portion of slough (cross road to Twitchell Island).

Strategy 2-743.2 Objective: Deflection to collection/confinement on Andrus Island shore if substantial oil patches are threatening the Andrus or Twitchell Island shoreline.

If oil is moving along this east shoreline, then set 200' collection booms. Such booming will probably be needed at each end to deal with both ebb and slack tide movement. If a lot of oil is bypassing the collection, then deflect oil away from Sevenmile Slough and islands: 600'8X8+ boom anchored from shore out into channel. Good levee roads enable shore deployments. Use 50ft of Oil Snare (OS), 100ft of sorbent boom to collect any oil that may accumulate. If oil accumulates in skimmable quantities contact the IC for shoreside skimming deployments per 2-743.3 per IC direction.

Strategy 2-743.3 Objective: Oil Recovery with shoreside skimming

Deploy skimmer if oil accumulates in skimmable quantities. Consult with IC prior to the initiation of this strategy.

### 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 and kinds	staff deploy	Staff tend
2-743.1	0	3600			8	8/15lb/danforth	2	2			Bboat: very shallow draft	14	
2-743.2	0	1200	50 OS	100	4	4/25lb/danforth	1	1				5	
2-743.3	0	0	0	0	0		0	0	2 SSS	0			

### LOGISTICS

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

Take Hwy 160 to Twitchell Island levee roads (about 5 mi south of Hwy 12) or levee roads from Hwy 12 at Mokelumne River. By water, the site is accessible from local marinas. This site includes the shallow slough between Twitchell and Andrus Islands from the Twitchell Island bridge east of Hwy 160 to the confluence with the San Joaquin River and the tule islands at the mouth of the slough on the San Joaquin River.

**LAND ACCESS:** ALL SEASON/ALL TRAFFIC ROADS ON LEVEES

**WATER LOGISTICS:** GOOD EXCEPT SHORE SHALLOW & OBSTRUCTIONS

Limitations: depth, obstruction

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

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

Brannon Island State Park is a possible IC or staging area. Diverse facilities (including space, water, power, marine support, food, sewage and some camping) at mouth of Mokelumne would support a staging area or an IC. Delta levees at site provide ready local land-water deployment.

**COMMUNICATIONS PROBLEMS:** none known

**ADDITIONAL OPERATIONAL COMMENTS:**



Imagery: NAIP 2010 (Summer) 4-Band