

County: **Contra Costa**  
USGS Quad: **Jersey Island**

Thomas Guide Location

Latitude N

Longitude W

3 8 03

121 40

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

Last Page Update : 7/1/2005

**SITE DESCRIPTION:**

This waterway is bounded by Bradford Island on the north bank and Jersey Island on the south bank. This site begins at its confluence with the San Joaquin River and ends at the mouth of Piper Slough. The channel is a main conduit to the central-south Delta. The channel is steep and deep, and flows are strong and tidal and bear a large volume from the San Joaquin to Frank's Tract and places south. The channel itself is rip-rapped and site resources are aquatic.

**SEASONAL and SPECIAL RESOURCE CONCERN****RESOURCES OF PRIMARY CONCERN**

This channel has some marshy habitat along shore. The water column is habitat for fish.

Winter-run Chinook salmon smolts (09-05)(FE,SE); Delta smelt juveniles (FT, SE); Striped Bass may use area to spawn but not yearly.

**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
	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

**ADDITIONAL SITE SUMMARY COMMENTS:**

## 2-735 -C Site Strategy - False River

County and Thomas Guide Location

Contra Costa

NOAA CHART

18661 Sacramento / San Joaquin River

## 2-735 -C

Latitude N

Longitude W

3 8 03

121 40

### CONCERNS and ADVICE to RESPONDERS:

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Primary concern is to prevent oil spread through this channel to interior Delta from the San Joaquin by the strong tidal currents and large volume flow. The key is to keep oil from entering the channel mouth. Within site oil control will be challenging. Concern for oiling of levees and banks is secondary.

### HAZARDS and RESTRICTIONS:

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

### SITE STRATEGIES

False River is the primary tidal exchange channel for the south Delta and currents are significant and oil diversion to collect within the Channel is challenging. Operations on Jersey Island shore (south shore) is preferable because it is easier to support than the north shore (because access to Bradford Island is available only by boat and ferry.) Jersey Island is owned by Contra Costa County Sanitary District.

#### Strategy 2-735.1 Objective: deflection/exclusion booming at the mouth False River from the San Joaquin.

Deploy deflection/exclusion boom at the mouth by setting 2400' 9x9+ boom in a shallow chevron "V" configuration. Anchor at apex and mid-boom legs to minimize entrainment. Set 500' 9X9+ deflection boom upstream from mouth to redirect oil into main channel away from mouth. Deploy 400' 9X9+ collection boom downstream to intercept oil moving toward the mouth near the banks of Jersey Island. Use 50ft of Oil Snare (OS), 100ft of sorbent boom to collect oil that may accumulate. Contact IC if oil accumulates in skimmable quantities.

#### Strategy 2-735.2 Objective: Back-up deflection to collection of oil which has entered False River.

When oil is likely to enter False River, deploy 2 or more collection-exclusion booms inside the channel using a long diagonal (1500' 9x9+) to the most favorable location for land-based recovery (Jersey shore has best land access and current seems to eddy a little at southeast margin); these deployments will require 2-4 mid-boom anchors to counter catenary tendency and resultant entrainment. Use 50ft of Oil Snare (OS) and 100 ft of sorbent boom to collect oil that may accumulate. Contact IC if oil accumulates in skimmable quantities.

#### Strategy 2-735.3 Objective: Oil recovery with shoreside skimming

Deploy shoreside skimmers if oil accumulates in skimmable quantities. Oil recovery as a result of strategy 735 .1: intercept/collect oil moving toward the mouth near the banks San Joaquin River of Jersey Island with land-based skimming. Oil recovery as a result of strategy 735.2: set shoreside skimmers on Jersey Island shore (Bradford Island shore is more difficult to support because of access.)

If these interception fail, deploy two layers of sorbent boom or Oil Snare, and evaluate self propelled skimmer(s) deployment in False River intercepts to catch by-pass.

### 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
2-735.1	3300		50 OS	100	11 1/50 & 10/25lbs/danforth + chain	4	4		extra anchor line.	24	
2-735.2	3000		50 OS	100	12 6/50lbs& 6/25lbs/danforths	4	2		1000' anchor lines	14	
2-735.3	0	0	0	0	0	0	0	3 SSS	0		

### LOGISTICS

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

Land access is by Jersey Island Road (Hwy 4 to E Cypress Rd left (N) on J I Rd ) and then gated levee roads provide limited access to island margins (contact Contra Costa County Sanitary District). Access by boat from marinas on Bethel Island and at Antioch. The north levees (Bradford Island and Webb Tract) are accessible only by ferry. This waterway is bounded by Bradford Island on the north bank and Jersey Island on the south bank. This site begins at its confluence with the San Joaquin River and ends at the mouth of Piper Slough.

**LAND ACCESS:** LEVEE ROADS GOOD WHEN DRY

**WATER LOGISTICS:** GOOD WATER THROUGHOUT

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Boat launch and marine support at Antioch, Bethel Island and mouth of Mokelumne. Launch at Brannon Island State Park.

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

Complete support facilities at Antioch and Brentwood. Lessor degree at Bethel Island and Oakley. Also support facilities at Mokelumne River. Staging is possible at Brannon Island, Mokelumne, Bethel Island, and Antioch.

**COMMUNICATIONS PROBLEMS:** none known

#### **ADDITIONAL OPERATIONAL COMMENTS:**

