

County: **Sacramento, Solano**

Thomas Guide Location

Latitude N

Longitude W

USGS Quad: **Rio Vista**

38 10.5

121 39.5

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

Last Page Update : 7/1/1996

**SITE DESCRIPTION:**

Site extends from the Rio Vista Bridge up the Sacramento river past the tip of Grand Island (G1) to the Isleton Bridge. This wide riverine habitat is confined between leveed banks. The lower portion has been identified by both DMRP and NHD/DFW as having extraordinary habitat values. Uplands are trees and shrubs including many mature trees. Water margins are shallow and marshy with some extensive emergent patches particularly near the mouth, where there is an extensive emergent marsh just downstream from Grand Island. Portions are riprapped. There are two islands in the reach which have been developed as residences or marina/mobile parks, but most of the shoreline is undeveloped and natural.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Marshy areas at this site have "A" priority at all times. Seven Special Status Species occur at or near this locale.

**RESOURCES OF PRIMARY CONCERN**

There are some extensive marshy habitats, particularly near the tip of Grand Island where they extend well into the channel on both sides and at the mouth. Uplands have well developed riparian growth. Even revetments have well developed grasses, shrubbery and trees. The aquatic habitat varies from deep and swift to shallow warm pockets.

The Swainson's Hawk (ST) occurs here as do many other raptors canopy and riparian species. The area also supports a diversity of waterbirds and marsh birds.

The lower portion of the site is excellent habitat for semi aquatic species, amphibians and possibly western pond turtles.

A wide variety of fish, particularly migrant fish, use this habitat. This is in the zone of high concern for winter-run chinook (F/SE) smolts and has relatively high abundance of Delta smelt (FT/SE) during November and December.

Insects that occur in habitat adjacent to this site: the Sacramento anthicid beetle and the Antioch dunes anthicid beetle occur on the upland sands at the tip of Grand Island.

In the luxuriant riparian and emergent vegetation here, Mason's lilaeopsis (SR), and Delta tule pea can be found.

**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
OL	State Water Project Ops C	CA Dept. of Water Resources	(916) 574-2714
O	Robert Clark	North Delta Water Agency	(916) 446-0197
	John Henderson F/W Biologist	US Fish & Wildlife Service, Environmental Contam	(916) 414-6595
OEL	Mary Hildebrand	South Delta Water Agency	(209) 403-4082
	Eric Larson	CA Dept. of Fish & Wildlife, Bay/Delta	(707) 944-5528

**ADDITIONAL SITE SUMMARY COMMENTS:**

## 2-810 -A Site Strategy - Sacramento River, Lower Grand Island Reach

County and Thomas Guide Location

Sacramento, Solano

NOAA CHART

18661 Sacramento & San Joaquin River

## 2-810 -A

Latitude N

Longitude W

38 10.5 121 39.5

### CONCERNS and ADVICE to RESPONDERS:

Last Page Update : 7/1/2005

Infiltration of oil into thick riparian habitat and emergent marshes. Beaver and other animal burrows may be present.

### HAZARDS and RESTRICTIONS:

Roads are narrow and winding with narrow shoulders and low visibility curves in spots, and traffic on Hwy 160 (east levee) is fast and poses hazards: traffic control should be implemented at this site. Channel margins have thick vegetation, shallows and soft bottoms. Aerial traffic beware of occasional power wire crossings.

### SITE STRATEGIES

Strategy 2-810.1 Objective: Deflection to Collection at the east bank to keep oil in main deep-water channel and out of Sacramento River mouth.

1. Deploy 3 deflection booms (3000' 9x9+ each) in Cache Slough upstream from Grand Island tip to divert oil to main channel and keep it away from marshy areas at Grand Island tip.
2. Set a wide chevron of boom (4000' 9x9+ curtain boom) pointing downstream for flood tide. One wing will divert oil near east shore to a collection point just upstream from Das Cliff Haus at the county day use site; the other wing will divert oil on open water into main channel and away from the marshes at the tip of Grand Island.
3. Use 50ft of Oil Snare (OS), 100ft of sorbent boom to collect any oil that may accumulate. If oil collects in skimmable quantities, contact IC.

Strategy 2-810.2 Objective: Eclusion to collection at southeast bank opposite Grand Island tip (at mouth) .

Deploy 1500' 9x9+ exclusion-collection boom from tip of Grand Island upstream and across to small sandy beach on Brannon Island shore (at the curve of Hwy 160). Line the marsh downstream with 3000'4x4+ of protective boom. If there is much wind chop, both will need to be backed with sorbent boom.

Strategy 2-810.3 Objective: Oil Recovery by Shoreside skimming

Deploy skimmers if oil accumulates in skimmable quantities as a result of strategy .1 and/or .2. Establish land-based skimming at beach if oil accumulates as a result of strategy .2. Consult with IC prior to 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 and	Equipment or kinds	comment	staff deploy	Staff tend
2-810.1	13000		50 OS	100	30	30/40 lb/danforths	5	5						40	
2-810.2	1500	3000			11	4/22+ 7/12+/danforths & stake	2	2						10	
2-810.3	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.)**

Via water, the site begins at the Rio Vista Bridge and branches off the Sacramento Deep Water Ship Channel at Cache Slough, following the easterly shoreline to the Isleton Bridge. By vehicle, Hwy 160 runs along the east levee from Hwy 12 to the Isleton bridge. Site extends from the Rio Vista Bridge up the Sacramento river past the tip of Grand Island (G1) to the Isleton Bridge.

**LAND ACCESS:** ALL WEATHER & TRAFFIC HWY 160

**WATER LOGISTICS:** ACCESS LIMITED DUE TO VEGETATION

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available:

Hidden Harbor, Vieira's Resort, Isleton Boat Ramp and Das Cliff Haus have launching, fuel, moorage and limited marine service. There is a free public launch and parking area at the mouth of this site.

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

This Wildlife Conservation Board access site opposite the tip of Grand Island along Hwy 160 would serve well as a local deployment site. The major deployment site would still remain either the Ryer Island ferry landing (Hwy 84) on deep water channel above Steamboat Slough or Rio Vista. Rio Vista is the nearest locale with full support services, food, lodging, emergency service, marine repair, etc.

**COMMUNICATIONS PROBLEMS:** none known

**ADDITIONAL OPERATIONAL COMMENTS:**

