

County: **San Joaquin**
 USGS Quad: **Woodward Island**

Thomas Guide Location
 SF Bay and Delt

Latitude N
 38 02.5
 Longitude W
 121 31.7

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

Last Page Update : 7/1/1996

SITE DESCRIPTION:

Site extends 4 miles from Venice tip south to Mildred Island. Its westerly margin is Mandeville Island. The east side is Medford and McDonald Islands. Middle River is a Delta Master Recreational Plan designated Natural Resource Area with Significant Habitat Values. This river reach is wide and deep with many sizable channel and berm islands and ripped levees. The berm and channel islands are vegetated with emergent marsh and scrub shrub. This is an important delta circulation and cross flow channel. Waves and currents can be strong here.

SEASONAL and SPECIAL RESOURCE CONCERN

All marsh areas are of "A" priority at all times. Special Status Species occur here: From September to December there are modest numbers of Delta smelt (FT/SE) in this area; several rare plants.

RESOURCES OF PRIMARY CONCERN

This Delta Master Recreational Plan designation emphasizes the ecological value of the islands in this site. This aquatic environment supports diverse freshwater community. Also this is an important transport channel to/from Mildred Island and the south delta.

Bird species which occur here are typical Delta waterbirds and marsh birds.

Other vertebrates are typical aquatic and semi-aquatic mammals, reptiles and amphibians of the Delta. Western pond turtle may occur here.

This area has modest occurrence of Delta smelt (FT/SE) during fall/winter. Juvenile and adult striped bass are typical as are warm water species.

Plants here include several Special Status Species including: Mason's lilaeopsis (SR), California hibiscus and Suisun marsh aster.

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
E	Chris Neudeck	Mandeville Island Reclamation District	(209) 946-0268
OEL	Dab Nomellini President	Central Delta Water Agency	(209) 465-5883

ADDITIONAL SITE SUMMARY COMMENTS:

2-950 -A Site Strategy - Middle River, Mandeville Reach

County and Thomas Guide Location

SF Bay and Delta San Joaquin

NOAA CHART

18661 Sacramento & San Joaquin River

2-950 -A

Latitude N

Longitude W

38 02.5 121 31.7

CONCERNS and ADVICE to RESPONDERS:

Last Page Update : 7/1/2005

There are many important ecological resources and rare species in this reach of river, and this is also a significant route for spill spread. The intent is to limit the free movement of oil into and through this site by exclusion and collection booming. Minimize disturbance of vegetation and creatures. Do not tie boom to trees on the levee. Oil issues here are oiling of marshy vegetation and penetration into riprap.

HAZARDS and RESTRICTIONS:

Aerial traffic beware of power wires. Slips, trips and falls are a hazard of riprap.

SITE STRATEGIES

Strategy 2-950.1 Objective: Exclusion/Collection at mouth of Middle River. Wind wash and strong currents can be a problem.

This site can be used to deflect to collection for oil moving both north and south.

a) For oil moving upstream from detection of Ship Channel, set an exclusion-diversion boom across the mouth at a diagonal to land oil on the Medford Isl levee. Anchor one end near the Mandeville levee just north of the first berm island and set boom diagonally from levee to berm island to berm island to Medford levee. Leave a trailing boom length to maintain seal during tidal fluctuations. Back with sorbent boom as necessary and set up collection at Medford levee.

b) For oil threats from the south delta, set the exclusion-diversion across the south tips of the channel islands at a diagonal to land oil on the Mandeville Isl levee. Anchor one end near the Mandeville levee opposite of the middle channel island and set boom diagonally from levee to channel island then to the next channel island to Medford levee. Leave a trailing boom length to maintain seal during tidal fluctuations. Back with sorbent boom as necessary and set up collection at Mandeville levee.

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 2-950.2 Objective: Exclude/Collect oil at junction with Latham Slough / Mildred Island open water.

This location may be used to deal with oil threats from upstream or downstream. Set 1500' of diversion-exclusion boom diagonally across slough just north of Mildred Island/Latham Slough. Anchor one end at the cable ferry landing on McDonald Isl and the other near the Mandeville levee. Back with sorbent.

a) For oil threats from the south (Mildred/Latham Slough) set up collection on the Mandeville shore;
b) for threats from the north (ship channel) collect oil at the McDonald shore.

Strategy 2-950.3 Objective: Oil Recovery by Shoreside skimming

Deploy skimmers when oil accumulates in skimmable quantities. Consult 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 No and kinds	staff deploy	Staff tend
2-950.1	1700		50 OS	2100	6	6/25/DANFORTH						4	
2-950.2	1500			1500	5	5/25/danforths	2	1					
2-950.3	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.)

Key access to site is by boat, from Stockton Deep Water Channel at R4 and R6. Vehicle access is very restricted: private levee roads via convoluted routes: Hwy 4 to Inland Dr to McDonald Rd to private bridge or ferry McDonald Island or Hwy 4 to Bacon Island Rd to Bacon Isl. to private bridge to Mandeville Island. Site extends 4 miles from Venice tip south to Mildred Island. Its westerly margin is Mandeville Island. The east side is Medford and McDonald Islands.

LAND ACCESS: LEVEE ROADS ARE GOOD WHEN DRY

WATER LOGISTICS: deep draft, except near shore

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Nearest boat launch and marine service is 8-mile road. Additional marine facilities are at Bethel Island or at the mouth of the Mokelumne.

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

Good deployment sites and facilities are at marinas above: rental boats, fuel, restaurants, water, and some camping and lodging. Consider the 8-mile road area as an area deployment site. Lower Jones Tract levees are another deployment area.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

