

County: **Sacramento**
USGS Quad: **Antioch North**

Thomas Guide Location

Latitude N
38 02.5

Longitude W
121 49

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

Last Page Update : 7/1/2005

SITE DESCRIPTION:

Lower Sherman Island is a 3000 acre Dept. of Fish & Wildlife, Wildlife Area which is bounded by the Sacramento River, Mayberry Slough, Mayberry Cut, Cabin Slough and the San Joaquin River. This flooded island is a network of waterways and emergent vegetation with some well developed riparian growth on the high ground. There is high ground at the west tip, and old levees along the sloughs. There are cabins on the levee along Cabin Slough (south eastern margin). On flood tides flow tends to come from the Sacramento River side and flow across the site to the San Joaquin and the opposite on the ebb.

SEASONAL and SPECIAL RESOURCE CONCERN

This extensive wetland is "A" priority at all times.

RESOURCES OF PRIMARY CONCERN

This extensive wetland supports all manner of marsh life and is important spawning, rearing and foraging habitat for fish and invertebrates.

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:

2-780 -A Site Strategy - Lower Sherman Island - Sherman Lake Complex

County and Thomas Guide Location

Sacramento

NOAA CHART

18661 Sacramento / San Joaquin River

2-780 -A

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CONCERNS and ADVICE to RESPONDERS:

Primary concern is spread of oil from main channels of Sacramento and San Joaquin Rivers to interior of area with subsequent broad scale oiling of extensive marshes. Minimize collateral impacts from cleanup: trampling of vegetation and trampling oil into sediments.

HAZARDS and RESTRICTIONS:

shallows and obstructions. Aircraft beware of highpower wires in the vicinity.

SITE STRATEGIES

On flood, currents tend to move across the site from Sacramento River to San Joaquin, and on ebb, from San Joaquin River to Sacramento.

Strategy 2-780.1 Objective: Primary: Exclusion by chevron boom for oil threat from San Joaquin River side: deflection-exclusion booming on outside

Set a shallow deflection-exclusion in a chevron "V" configuration to encourage oil to slide past the mouth. Use 500 ft. 10x10+ exclusion boom with large anchor at peak.

Strategy 2-780.2 Objective: Primary for Sacto oil threat: exclude and deflect oil away at Sacto River openings to Sherman Lake

For oil moving from the west, set two 400' 9x9+ cascading deflection booms 30 yards west of the opening. Then deploy 3000' of 9x9+ exclusion boom across the opening. A secondary layer of sorbent boom or smaller skirted boom may be necessary depending on conditions: if wind chop is likely to lift oil over boom, then the second layer will be necessary.

Also, if oil is moving down the Sacramento along the Sherman Island shore, set collection booms and skimmers along the Sherman levee upstream from Lower Sherman.

Strategy 2-780.3 Objective: Backup to San Joaquin exclusion (2-780.1) - when oil entrains past primary exclusion.

Deploy a collection boom inside: make a continuous pocket on the inside by lining the margins and islands with 1500' of 4x4+ boom. A skimmer may be permanently assigned to collection or occasionally sweep the pocket. Back with oil snare and sorbents.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	tvpe and dear	Boom boat	Skiffs punts	Skimmers No	Type	Special and	Equipment or kinds	comment	staff deploy	Staff tend
2-780.1	500				4	3/22+ & 1/12+/danforths	1							3	
2-780.2	3800				12	12/22+/danforths & stakes	4	4				Bboat: very Shallow draft		25	
2-780.3	0	1500	100 OS	500	8	12#+/danforths	1	0	0 SPS	0				3	2

LOGISTICS

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

Land access to the north margin of the site via levee road west off of Hwy 160 and private levee maintenance roads. By boat either use Serman Lake WL Area launch ramp at end of levee road or launch from Antioch across San Joaquin River. There is a small marina on Mayberry Slough. Lower Sherman Island is a 3000 acre Dept. of Fish & Wildlife, Wildlife Area which is bounded by the Sacramento River, Mayberry Slough, Mayberry Cut, Cabin Slough and the San Joaquin River.

LAND ACCESS: GOOD AT NORTH

WATER LOGISTICS: SHALLOW AND OBSTRUCTIONS

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Boat launching is available from south shore at Antioch or at north corner of Sherman Lake public ramp.

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

Good staging/deployment site to south is Antioch Marina. To the north, the Lower Sherman Island Wildlife Area launch ramp is an excellent staging/deployment area. Limited facilities including some camping are available there. Full facilities are available at Antioch.

COMMUNICATIONS PROBLEMS: none known

ADDITIONAL OPERATIONAL COMMENTS:

