

County: **Sacramento, Solano, Yolo County**USGS Quad: **Courtland**

Thomas Guide Location

Latitude N

Longitude W

38 19.7

121 34.5

NOAA Chart: **18662 SACRAMENTO RIVER**

Last Page Update : 7/1/1996

SITE DESCRIPTION:

Sutter Slough is a side channel of the Sacramento River and flows to Steamboat Slough. It is bordered on the east side by Sutter Island. It is relatively narrow slough with mature and shrub-scrub riparian growth mix along steep and partially ripped levees. Strong currents are common; the channel is deep though encroached upon by riparian growth. Several significant side sloughs intersect: Elk Slough and Miner Slough. This is an important pathway for migratory fish.

SEASONAL and SPECIAL RESOURCE CONCERN

Winter-run chinook smolts are of great concern from Sept through May.

RESOURCES OF PRIMARY CONCERN

Dense riparian and emergent growths in the northerly part; less so in southerly half. The aquatic habitat is CRITICAL to many migratory species of fish including all the salmonid stocks for the Sacramento Valley, striped bass, American Shad, and Sacramento splittail.

Area is to migratory waterfowl and other waterbirds. Raptors and riparian species are abundant, particularly Swainson's hawk (ST). Good habitat for riparian birdlife.

In addition to resident warmwater species, this is CRITICAL Habitat to migratory species of fish. A portion of the migratory fish of the Sacramento Valley use this corridor or reside here for some portion of their life cycle. These include: all the steelhead and salmon stocks (including winter-run chinook (F/SE)), American shad, striped bass, white and green sturgeon, and Sacramento splittail.

This channel is fished commercially for crayfish.

There are numerous stands of elderberry making this potential habitat for Valley elderberry longhorned beetle (FT).

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, (Leigh Jordan, Sonoma State College (707) 664-0880) 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
O	Robert Clark	NOAA, National Marine Fisheries Service	(562) 980-3232
	John Henderson F/W Biologist	North Delta Water Agency	(916) 446-0197
		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:

2-832 -A/B Site Strategy - Sutter Slough

County and Thomas Guide Location

Sacramento, Solano, Yolo County

NOAA CHART

18662 SACRAMENTO RIVER

2-832 -A/B

Latitude N

Longitude W

38 19.7 121 34.5

Last Page Update : 7/1/2005

CONCERNS and ADVICE to RESPONDERS:

Infiltration of oil into riprap and also into levees via invertebrate and beaver burrows. Difficult cleanup of riparian vegetation. Toxicity to riparian growth and migratory fish.

HAZARDS and RESTRICTIONS:

Narrow road, narrow bridge, and narrow shoulders with riparian vegetation makes this site a dangerous hazard. Traffic control should be implemented at this site. Aerial traffic should note power wire crossings and TV towers in the vicinity.

SITE STRATEGIES

Strategy 2-832.1 Objective: Exclude oil and divert to shore for collection, for oil threats to Sacramento mouth.

1. Deploy exclusion-collection boom across Sutter Slough mouth using the bridge pier as anchor point. Deploy at an angle to take advantage of local eddy (which tends to be inside mouth along northside levee).
2. Deploy double sorbent booms behind exclusionary booms to capture oil streamers.
3. Establish land based collection of oil. 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 2-832.2 Objective: For oil threats from upstream, deflection boom above the Sacramento mouth to keep oil to mid channel and away from mouth.

From a point 300 feet upstream from mouth on the west bank of the Sacramento River, deploy 600ft of 6X6+ deflection boom to mid channel at a 45 degree angle.

Strategy 2-832.3 Objective: exclusion boom at the south mouth on Steamboat Slough.

Deploy 500' 6X6+ boom across the mouth. Anchor one end 100' up Steamboat slough near the Sutter Island levee and the other downstream from the mouth, leaving trailing boom lengths to ensure a tidal seal.

Strategy 2-832.4 Objective: Oil Recovery by Shoreside skimming

Deploy skimmer if oil accumulates in skimmable quantities. Consult 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 Equipment or comment No and kinds	staff deploy	Staff tend
2-832.1	0	500	50 OS	1100	2	2/25lb danforth anchors	0	1				6	
2-832.2	0	600			3	3/40lb/danforths	0	1				3	
2-832.3	0	500		100	2	2/25lb/danforth	0	1				2	
2-832.4	0	0	0	0	0		0	0	1 SSS	0			

LOGISTICS

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

By water, Sutter Slough branches off the Sacramento River just south of Courtland and rejoins Steamboat Slough at mid-length. The all weather levee road on Sutter Island is accessible from Hwy 160 opposite Courtland. Sutter Slough is a side channel of the Sacramento River and flows to Steamboat Slough. It is bordered on the east side by Sutter Island.

LAND ACCESS: ALL WEATHER ROAD ON SE LEVEE

WATER LOGISTICS: GOOD DEEP WATER PER CHART

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Courtland Docks and Morgan Landing closest boating facility at northerly mouth. Steamboat Landing, Hog Island or Snug Harbor on Steamboat Slough are closest to southerly mouth.

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

Courtland Docks are the nearest facilities. Large front parking lot available but not convenient for large-scale deployment.

COMMUNICATIONS PROBLEMS: none known

ADDITIONAL OPERATIONAL COMMENTS:

