

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

Thomas Guide Location

Latitude N

Longitude W

3 8 01

121 38

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

Last Page Update : 7/1/1996

SITE DESCRIPTION:

Dutch Slough from east of Marsh Creek to Sand Mound Slough including the berm island at the mouth of Taylor Slough, Emerson Slough, and the south fork of Dutch Slough. Rip-rapped channel with many berm islands and some sensitive plant species. Portions are very developed with private docks.

SEASONAL and SPECIAL RESOURCE CONCERN

Marshy-riparian areas in this site are "A" priority at all times.

RESOURCES OF PRIMARY CONCERN

There is emergent marsh on numerous channel islands in this stretch. Some of the levees, though heavily ripped, have well developed shrub-scrub riparian habitat.

migratory waterfowl in marsh areas

Rare: Mason's Lilaeopsis (S)

Category 2: Suisun Marsh aster (F)

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:

2-734 -A Site Strategy - Dutch Slough East

County and Thomas Guide Location

Contra Costa

NOAA CHART

18661 Sacramento / San Joaquin River

2-734 -A

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CONCERNS and ADVICE to RESPONDERS:

Last Page Update : 7/1/2005

Primary concern is stopping oil from spreading through the channel to other Delta areas. Secondary concerns are oiling of emergent marshes along margins and on channel islands and penetration of oil into riprap and into levees via animal burrows. Small endangered plants are common on Delta Islands. Minimize trampling of vegetation and oil into sediments.

HAZARDS and RESTRICTIONS:

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

SITE STRATEGIES

Strategy 2-734.1 Objective: For product originating within this site, diversion to collection as close to source as possible.

Use skimmers with sufficient harbor boom in V formation (estimate 1500'6X6+) to recover oil as close to source as possible, most likely at the bridge or on either side of the tule island at the confluence of Taylor Slough and Dutch Slough. Use more than one skimmer if necessary on both sides of island or bridge. Wrap channel islands with protective boom (additional 4000' swampboom).

Strategy 2-734.2 Objective: For oil threats from Big Break side, deploy multiply collection/exclusion booming to collect at Jersey Isl land skimming sites.

Deploy 600'6X6+ exclusion/collection boom from south bank to north bank (Jersey Isl levee) for land-based collection. Use 50ft of Oil Snare (OS), 100ft of sorbent boom to collect oil that may accumulate. Contact IC if oil accumulates in skimmable quantities. Use 2-3 mid boom anchors to keep boom from lapsing into a catenary curve and encouraging entrainment. Back with sorbent boom if there is oil entrainment. Repeat as necessary.

Strategy 2-734.3 Objective: Exclusion at east end for oil threats from Sand Mound Slough.

Deploy 700'6X6+ exclusion boom across mouth at Sand Mound Slough. If oil is escaping, back with second laye of boom at a more favorable angle or back with sorbent boom.

Strategy 2-734.4 Objective: Oil Recovery with Shoreside skimming

Deploy skimmer when oil accumulates in skimmable quantities. Consult with IC prior to initiate this strategy. Identify best locations for skimming under prevailing conditions.

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
2-734.1	0	1500			2 2/22+/danforths & Stakes	1	1	SPS		7	
2-734.2	0	600	50 OS	100	5 5/25lbs/danforth anchors	1	0			5	
2-734.3	0	700			3 3/25lbs/anchor	1	1			5	
2-734.4	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.)

Several private levee roads provide limited access to island margins. Access is primarily by boat from marinas on Bethel Island or Antioch. Dutch Slough from east of Marsh Creek to Sand Mound Slough including the berm island at the mouth of Taylor Slough, Emerson Slough, and the south fork of Dutch Slough.

LAND ACCESS: LEVEE ROAD ARE MOSTLY ALL WEATHER/VEHICLE

WATER LOGISTICS: WATERS ARE GOOD EXCEPT AT MARGINS

Limitations: depth, obstruction

Launching, Loading, Docking Many boat launch and marine support facilities are available on Bethel Island or in Antioch.
and Services Available:

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

There are complete facilities/though limited facilities on Bethel Island. Brentwood, Oakley and Antioch have complete range of facilities. The Delta Sportsmen's club house on Bethel Island may be adequate for a small IC Center.

COMMUNICATIONS PROBLEMS: none known

ADDITIONAL OPERATIONAL COMMENTS:

