

2-783 -A Site Summary- Kimball Island - Cabin Slough**2-783 -A**

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

Thomas Guide Location

Latitude N Longitude W
38 01.5 121 50

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

Last Page Update : 7/1/1996

SITE DESCRIPTION:

This site includes Kimball Island, Cabin Slough, and channel and berm islands at each end of Cabin Slough. Kimball Island has low levees, but over half its area is unleveed and has finger channels into its emergent marshy margin. Cabin Slough has channel islands throughout its length and particularly at its east mouth. The water in Cabin Slough is relatively navigable but only the north channel has a safe east exit. Both ends of Kimball island are very shallow.

SEASONAL and SPECIAL RESOURCE CONCERN

The site is an "A" priority year-round. Several Special Status Species occur here.

RESOURCES OF PRIMARY CONCERN

This extensive saline-fresh marsh system is good habitat for marsh birds and mammals of all kinds including special status species.

This is nesting and foraging habitat for all manner of waterfowl and marsh birds including the Special Status Species: California black rail (ST).

The marsh also supports a wide diversity of marsh mammals and other vertebrates including Special Status Species: saltmarsh harvest mouse (F/SE).

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:

2-783 -A Site Strategy - Kimball Island - Cabin Slough

County and Thomas Guide Location

Sacramento

NOAA CHART

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CONCERNS and ADVICE to RESPONDERS:

Major concerns are the spreading of oil to the marshes of Cabin Slough and penetration of oil into the emergent marshes and channels at each end of Kimball Island.

HAZARDS and RESTRICTIONS:

Shallows, obstructions, sunken craft.

SITE STRATEGIES

Strategy 2-783.1 Objective: Exclude oil entry at westerly end of Cabin Slough - wind chop is a problem here.

Deploy exclusion boom at a very acute angle to wind across the westerly mouths. Deploy 1500' 9x9+ exclusion boom from the west tip of Kimball Island northwesterly to the Sherman Island shore. Mid-reach anchoring will be necessary for effective configuration. Be sure to provide a near shore seal. Back with sorbent.

Strategy 2-783.2 Objective: Deflection/Exclusion booming of marsh at west end of Kimball Island and fend oil past.

From the mid-length anchor of the above boom, deploy a double boom (one 6x6+ with a second layer of 4x4+) on a 3000' perimeter of the west tip marsh. Ensure a tidal seal a east boom ends.

Strategy 2-783.3 Objective: Exclude oil at east end of Kimball Island, from penetrating marshes, channels, pockets and Cabin Slough

Deploy a 9x9+ exclusion boom from the east tip of Kimball Island near Old Levee, 3500' easterly following the 10 ft. depth contour to the Sherman Island Bank. As oil impacts site watch carefully to assess need for backup exclusion booming across slough mouths. Put sorbent boom across slough mouths.

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
2-783.1	1500			500	4 4/50lb/danforths & stakes	3	3		Bboats: very shallow draft	15	
2-783.2	0	6000			8 8/25lb/danforth & stakes	6	6			30	
2-783.3	3500			600	8 8/25lb/danforths & stakes			6/6	bboat: very shallow draft	35	

LOGISTICS

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

There is no land access. The site is across the river from Antioch. This site includes Kimball Island, Cabin Slough, and channel and berm islands at each end of Cabin Slough.

LAND ACCESS: NO LAND ACCESS

WATER LOGISTICS: SHALLOWS AND OBSTRUCTION

Limitations: depth, obstruction

Launching, Loading, Docking Launch at Antioch marina and public launch.
and Services Available:

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

Staging and facilities are available at Antioch Marina or Pittsburg waterfront.

COMMUNICATIONS PROBLEMS: none known

ADDITIONAL OPERATIONAL COMMENTS:

