

County: **Contra Costa**
 USGS Quad: **Antioch North**

Thomas Guide Location

Latitude N

Longitude W

3 8 01

121 46

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

Last Page Update : 7/1/2005

SITE DESCRIPTION:

The water front exposure of this site is from the Fiberboard factory west to the parking yard at Fultons boat works and includes a scenic revegetated remnant of the Antioch Dunes which is now part of the Antioch Dunes National Wildlife Refuge. Enter only with Trustee approval. The site is notable for its remnant dunes which supports a unique dune ecosystem. The dunes were an extensive historic habitat throughout this portion of Contra Costa County from Antioch to Oakley. The dunes had a characteristic flora and fauna some of which were unique to this habitat. Now only these two sites 718 and 719 remain. Marshes, riverine dunes, and former dunes along the south bank of the San Joaquin River. Although this dunes habitat is high in elevation and, consequently, not very vulnerable to oiling the sensitive dune ecosystem, there is danger of encroachment and disturbance during response. The waterfront margin is sandy beach and emergent marsh.

SEASONAL and SPECIAL RESOURCE CONCERN

The site is an "A" priority year-round. Several Special Status Species occur here. No one may enter this area without accompaniment of USFWS representative.

RESOURCES OF PRIMARY CONCERN

The site is notable for its remnant dunes which supports a unique dune ecosystem with its characteristic flora and fauna some of which were unique to this habitat. The waterfront margin is sandy beach and emergent marsh. Although this dunes habitat is high in elevation and, consequently, not very vulnerable to oiling the sensitive dune ecosystem, there is danger of encroachment and disturbance during response to the shoreline oiling.

The rare flora supports a community of rare insect life (12 rare species) and one federally endangered butterfly: Lang's Metalmark. Silvery Legless Lizard also resides here.

A number of rare plant occur here including Antioch dunes evening primrose, Mason's lileopsis, Contra Costa wallflower, Suisun aster, Delta tule pea, Contra Costa goldfields, diamond petalled California poppy.

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
TBE	E. Fernandez	US Fish Wildlife Service	(510) 792-0222
	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:

2-718 -A Site Strategy - Antioch Dunes National Wildlife Refuge

County and Thomas Guide Location

Contra Costa

NOAA CHART

18661 Sacramento / San Joaquin River

2-718 -A

Latitude N

3 8 01

Longitude W

121 46

CONCERNS and ADVICE to RESPONDERS:

Last Page Update : 7/1/2005

No one may enter this site without the accompaniment or direction of the US Fish & Wildlife Service Representative in charge of this refuge. The main concern is that response personnel will accidentally damage the endangered plant or animal living in this dune site. If this site is oiled, no entry or cleanup should be attempted without USFWS concurrence. Oil impacts will be limited to a narrow band along the waterfront. Shoreline is steep and easily accessed from water.

HAZARDS and RESTRICTIONS:

none identified

SITE STRATEGIES

Strategy 2-718.1 Objective: On water skimming using mobile skimmers and towed skimming arrays.

The first line of protection is to remove as much oil as possible before the oil can impact shorelines. At this site this can be accomplished through the deployment of several self-contained skimming vessels, or mini skimmers. Recommendation is that each skimming vessel should be supported by two boats operated in V towed booming configuration.

Strategy 2-718.2 Objective: Deflect oil away from this shoreline

DEFLECTION BOOMING: Deflect oil away from the shoreline and toward the main channel where it is accessible to the skimmers. Deploy 100 feet of deflection boom at the up current end of this property to divert oil from the shoreline to the center of the channel.

Strategy 2-718.3 Objective: Diversion to collection when heavy amounts of oil are moving along shore, deploy nearshore containment just outside the site.

NEAR SHORE CONTAINMENT AND RECOVERY: Oil containment and recovery is possible at Fulton's Shipyard. Deploy 100 feet of deflection boom extending into the current from the shoreline so as to direct oil onto the shoreline. Back the recovery boom with a half length of swamp boom and sorbent boom to insure recovery. To collect any oil that may accumulate, use 50ft of Oil Snare (OS), 100ft of sorbent boom. Deploy Shoreside skimming If oil accumulates in skimmable quantities, contact IC.

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 Equipment or No and kinds	comment	staff deploy	Staff tend
2-718.1	0													
2-718.2	100				2	2/22+/danforths with chain	0	1					2	
2-718.3	100	50	50 OS	100			0	1	1	SSS			2	

LOGISTICS

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

From Highway 4 go north on A Street thence east on Wilbur Ave. about 1 mile. Turn north on Shipyard Road. Antioch San Dunes National Wildlife Refuge is on the north side and is posted, fenced and gated. (You can also access Wilbur Road from the Antioch Bridge toll plaza area and drive westerly.) When approaching by water, use Fulton Ship Yard and Fiberboard for orientation. The water front exposure of this site is from the Fiberboard factory west to the parking yard at Fultons boat works and includes a scenic revegetated remnant of the Antioch Dunes which is now part of the Antioch Dunes National Wildlife Refuge. Enter only with Trustee approval.

LAND ACCESS: All types are possible but none are permitted. Nearby is good.

WATER LOGISTICS: good access. Beware of obstructions.

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Launching at Antioch public launch, Bridge Head Marina, Lawrenson's Marina, Antioch Marina. Full services are at marinas.

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

All access to this site should be from the water only. Boats may be launched at Antioch Marina or Fulton's Shipyard which is the property immediately to the west of Antioch Dunes. Staging for this site may be at marina's or neighboring Fulton's Shipyard.

COMMUNICATIONS PROBLEMS: none known

ADDITIONAL OPERATIONAL COMMENTS:

