

2-719-A Site Summary - Antioch Dunes and Quarry Canyon**2-719-A****County:** Contra Costa **ACP Division/Segment:** CC - H - S007**NOAA Chart:** 18661 Sacramento / San Joaquin River **Map Book:****Decimal Degrees:** 38.017964 -121.769173**Site Description:**

The shoreline exposure of this site is from the Fiberboard factory east to the PG&E plant and includes a revegetated remnant of the Antioch Dunes which was a sand quarry and is now part of the Antioch Dunes National Wildlife Refuge(USFWS). The site is notable for its remnant dunes which, though degraded, 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. Although this dune 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 which rises steeply and has a narrow emergent salt-marsh at the shoreline.

Resources at Risk:*ESI and Habitat:* 10A Salt - and brackish-water marshes

9B Vegetated low banks

6B Riprap

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Fish	longfin smelt	ST		Nov-May
Fish	steelhead - Central/Northern California	FT		Nov-Apr
Fish	chinook salmon - Winter-run	FE, SE		Oct-May
Fish	delta smelt	FT, SE		Mar-May
Insects	Lange's Metalmark butterfly	FE		
Plants	Contra Costa wallflower	FE, SE		Mar-Jul
Plants	Antioch Dunes evening primrose	FE, SE		Mar-Sep
Plants	Mason's lilaeopsis	SR		Apr-Nov

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected, SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species

List of Key Contacts:

Type	Name/Title	Organization	Phone
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
E	/Office	Antioch Dunes National Wildlife Refuge	(707) 769-4200
O	/Dispatch, 24-hr	California Department of Water Resources	(916) 574-2714
T	/Environmental Program Manager	CA Dept. of Fish & Wildlife, Bay Delta Region	(707) 576-2837
T	/Oil Spill Point of Contact	NOAA National Marine Fisheries Service	(707) 480-3496
T	/Restoration Ecologist	US Department of Agriculture	(530) 304-2304
T	/Spill Response Coordinator	USFWS, SF Bay-Delta Office	(916) 799-0588

C – Cultural, Historic, Archaeological; E – Entry/Owner/Access; O – Other; S – Safety; T – Trustee; X – Exclusion or Security

Additional Site Summary Comments:

Several listed species on site. DO NOT ENTER without coordination with USFWS Personnel.

Concerns and Advice to Responders:

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 plants or animals 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.

Hazard and Restrictions:

Air traffic should be attentive to high power wires and smoke stacks from power point.

Site Strategies:**Site Validation Level: II**

Strategy: 2-719.1 Objective: NEAR SHORE CONTAINMENT AND RECOVERY - Shoreside skimming

Strategy: 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 oil that may accumulate, use 50ft of Oil Snare (OS), 100ft of sorbent boom. If oil accumulates in skimmable quantities, activate a Shoreside Skimmer or Vac truck for collection/removal.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		300	feet	
Boom	Oil Snare (pom-pom)			50	feet	
Boom	Sorbent			100	feet	
Anchor	Danforth	22 lb		6		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			2		

Logistics:

Directions: From Highway 4 go north on A Street thence east on Wilbur Ave. about 2.5 miles. Antioch San Dunes National Wildlife Refuge - Quarry Canyon is on the north side between the Fiberboard Plant and the PE&G plant and is posted, fenced and gated. (You can also access Wilber Road from the Antioch Bridge toll plaza area and drive westerly.) When approaching by water use the factories as orientation.

Land Access: All types are possible but none are permitted without USFWS Personnel coordination.

On-Water Limitations: Beware of obstructions. Launching at Antioch public launch, Bridge Head Marina, Lawrenson's Marina, Antioch Marina. Full services are at marinas.

Facilities, Staging Areas, Command Posts, Available Equipment: 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 nearby Fulton's Shipyard.

Communications Problems: Good cell reception,

