

**2-375-A Site Summary - Guadalupe Slough****2-375-A****County:** Santa Clara **ACP Division/Segment:** SC - X - S001 SC - W - S001**NOAA Chart:** 18654 San Francisco Bay Southern Part **Map Book:** AAA San Mateo C **Decimal Degrees:** 37.452586 -122.03632**Site Description:**

Guadalupe Slough extends from its mouth on Coyote Creek inland approx 5 miles to Sunnyvale Baylands County Park. This site is a large channel on the southwest shore of South San Francisco Bay, four miles southeast of the Dumbarton Bridge (Hwy 84). Site is adjacent to the San Francisco Bay National Wildlife Refuge (USFWS). It has salt-marshes and mudflats near its mouth and along its banks, cordgrass and pickleweed salt-marshes on both sides. This large levee-bound slough is a navigable waterway with strong currents near the mouth. Cargill Salt Co. evaporation ponds border most of the length of this slough.

**Resources at Risk:***ESI and Habitat:* 9B Vegetated low banks

8C Sheltered riprap

10A Salt - and brackish-water marshes

**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	California Ridgeway's rail	FE, SE	Year-round	Feb-Aug
Birds	Western snowy plover	FT, SSC	Year-round	Mar-Oct
Birds	California least tern	FE, SE	Apr-Sep	Apr-Jun
Fish	longfin smelt	ST	Year-round	Nov-May
Fish	chinook salmon - Winter-run	FE, SE	Year-round	Oct-May
Mammals	salt-marsh harvest mouse	FE, SE	Year-round	
Mammals	salt-marsh wandering shrew	SSC	Year-round	

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	/Supervisor	Cargill Salt	(641) 670-0654
E	/Strategic Action Coordinating Official	US Army Corps of Engineers	(415) 503-6573
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:**

**Concerns and Advice to Responders:**

The concern is oil and response impacts to marsh, wildlife, and rare and endangered species and plants which are present year-round. Primary objective is to minimize exposure by excluding oil from entering Guadalupe Slough. Secondary objective is to minimize exposure and impacts to bay frontage marshes by protective booming. Always of concern is the impacts resulting from response and cleanup: avoid trampling marsh and sensitive plants and animals, avoid disturbing soft mudflats, and avoid trampling oil into marsh and mud. Notify Cargill Salt Co. to close any water intake structures to mitigate potential HAZMAT threats.

**Hazard and Restrictions:**

Aircraft beware of overhead powerlines in area. Vessels be aware of strong currents exist near the mouth and shallow mudflats. Vehicles be aware that levees are impassable in wet winters.

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

**Strategy: 2-375.1 Objective:** Exclude oil from entering Guadalupe Slough and adjacent marshes.

**Strategy:** a. Deploy 2500 ft of 9X9+ Hboom from both levees towards skimmer in part of channel with slow current. Use tidal barrier or swamp boom across marsh and mudflat. Strong currents will make location of equipment upstream from mouth probable. ALTERNATIVE: Use several layers (2-3) of 6X6 Sboom (7500 ft) with less skirt in strong currents. Use same configuration as in step 1.

b. Place skimmers outside mouth in deeper water near confluence of Coyote Creek and Guadalupe Slough.

c. Notify Cargill Salt Co. to close any salt water intake culverts to salt ponds in area.

**Table of Response Resources**

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		2500	feet	
Boom	Swamp	6x6 inch		7500	feet	
Anchor	Danforth	22 lb		25		
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			2		
skimmer	self propelled			1		
Staff	Staff to Deploy			12		

**Strategy: 2-375.2 Objective:** Protective booming of bayfrontage marshes from oiling and oil intrusion.

**Strategy:** To minimize oil entering slough along fringing tidal marsh, deploy 1000 ft of sorbent or swamp boom along marsh front outside mouth in both directions.

**Table of Response Resources**

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		1000	feet	
Boom	Sorbent			1000	feet	
Anchor	Danforth	22 lb		4		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			4		

**Logistics:**

**Directions:** From Hayward-San Mateo Bridge, take Hwy 101 south to Hwy 237 east. Exit at Caribbean Drive and proceed to Borregas Avenue. Contact City of Sunnyvale Water Pollution Control Plant. Access restricted by NASA and the US Navy.

**Land Access:** 4WD only.

**On-Water Limitations:** Possible at low tide only; Small boat ramp at NASA fuel barge dock upstream: Entry by permission only through Moffett Field; road is paved. Redwood City launch ramp for all size boats.

**Facilities, Staging Areas, Command Posts, Available Equipment:** There is a small staging area at NASA fuel barge dock. Larger staging may be arranged at Moffett Field.

*Communications Problems:* Great cell reception throughout south bay.

