

County: **Santa Clara**  
 USGS Quad: **Mountain View**

Thomas Guide Location

Latitude N

Longitude W

37 27.0

122 02.0

NOAA Chart: **18654 San Francisco Bay Southern Part**

Last Page Update : 7/1/1997

**SITE DESCRIPTION:**

Guadalupe Slough extends from its mouth on Coyote Creek inland about five miles to Sunnyvale Baylands County Park and beyond though the City of San Jose. This site is a large channel on the southwest shore of South San Francisco Bay, four miles southeast of the Dumbarton Bridge. Site is adjacent to the San Francisco Bay National Wildlife Refuge. This site has marshes and mudflats near its mouth and along its banks, cordgrass and pickleweed 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.

**SEASONAL and SPECIAL RESOURCE CONCERN**

"A" priority year-round due to vulnerable saltmarsh plants and wildlife (see Resources at Risk).

**RESOURCES OF PRIMARY CONCERN**

There are saltmarshes (*Spartina* and *Salicornia*) and mudflats along the bay frontage and the length of the slough which are vulnerable to oil impacts.

Sensitive bird species found here include: Endangered - California clapper rail, California least tern; Threatened - western snowy plover; California Species of Special Concern: saltmarsh common yellowthroat, Alameda song sparrow. Also, California brown pelican, American peregrine falcon and large numbers of a wide variety of birds nest and winter here: shorebirds, waterfowl, wading birds, and waterbirds.

Sensitive mammals species found here include: California Species of Special Concern - saltmarsh wandering shrew.

The drainage supports a small run of chinook salmon. The mudflats have a rich infauna and are important habitat for fish and wading birds.

The sloughs and mudflats are important habitat for fish, shellfish and infauna.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

There are probably historic and cultural sites present. 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
O		SF Bird Observatory	(408) 946-6548
T	Joy Albertson	US Fish & Wildlife Service, SF Bay (NWR)	(510) 792-0222
E	Pat Metelli	Cargill Salt	(510) 790-8610
E/T	Eric Mruz Mgr - Don Edwards NWR	US Fish & Wildlife Service, SF Bay (NWR)	(510) 792-0222

**ADDITIONAL SITE SUMMARY COMMENTS:**

## 2-375 -A Site Strategy - Guadalupe Slough

County and Thomas Guide Location

Santa Clara

NOAA CHART

18654 San Francisco Bay Southern Part

## 2-375 -A

Latitude N

Longitude W

37 27.0 122 02.0

Last Page Update :

### CONCERNS and ADVICE to RESPONDERS:

The concern is oil and response impacts to marsh, wildlife, and rare and endangered birds, animals 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

### HAZARDS 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

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

- 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 4x4 swamp boom (7500 ft) with less skirt in strong currents. Use same configuration as in step 1.
- Place skimmers outside mouth in deeper water near confluence of Coyote Creek and Guadalupe Slough.
- Notify Cargill Salt Co. to close any salt water intake culverts to salt ponds in area.

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

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

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	tvce and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
2-375.1	2500	7500					2	2	2	SPS or S		8	
2-375.2	0	1000					0	2				8	2

### LOGISTICS

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

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 (see add'l contact list). Access restricted by NASA and the US Navy. Guadalupe Slough extends from its mouth on Coyote Creek inland about five miles to Sunnyvale Baylands County Park and beyond though the City of San Jose. This site is a large channel on the southwest shore of South San Francisco Bay, four miles southeast of the Dumbarton Bridge. Site is adjacent to the San Francisco Bay National Wildlife Refuge.

**LAND ACCESS:** 2WD, LG Truck, 4WD

**WATER LOGISTICS:** Possible at low tide only

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: 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, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

There is a small staging area at NASA fuel barge dock. Larger staging may be arranged at Moffatt Field.

### COMMUNICATIONS PROBLEMS:

### ADDITIONAL OPERATIONAL COMMENTS:

