

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

Thomas Guide Location

Latitude N

Longitude W

37 28.0

122 02.0

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

Last Page Update : 7/1/1996

SITE DESCRIPTION:

This site extends from the mouth of Coyote Creek at the southeast corner of South San Francisco Bay upstream to Hwy 237 and includes all marshes and tributaries not included in other sites. Shoreline Marshes under management of USFWS. Coyote Creek is the primary drainage for the Santa Clara Valley. The mouth is five miles southeast of the Dumbarton Bridge and the mouth is over a mile wide. Extensive marshes and mudflats occur near its mouth and along the creek's shores. The mudflat along the north shore has deeply carved channels (5 ft +) from the marsh to the deep water channel. Alviso Slough branches off its south side not far from the mouth.

SEASONAL and SPECIAL RESOURCE CONCERN

This site is "A" priority year-round as are all marshes, because of vulnerability of marsh plants and wildlife to oil.

RESOURCES OF PRIMARY CONCERN

There are extensive marshes and mudflats along the creek containing pickleweed and cordgrass. These marshes support a rich marsh flora and fauna including T&E species.

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 along with shorebirds, waterfowl, wading birds, and waterbirds.

Sensitive mammals species found here include the endangered salt marsh harvest mouse and a species of special concern - the salt marsh wandering shrew. Harbor seals haul out along north side of creek.

The intertidal mudflats are important to fish and shellfish, primarily clams

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 |
| E/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:

2-346 -A Site Strategy - Coyote Creek

County and Thomas Guide Location

Alameda, Santa Clara

NOAA CHART

18654 San Francisco Bay Southern Part

2-346 -A

Latitude N

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37 28.0 122 02.0

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Primary concern is to stop oil from entering (or, if oil originates inland, leaving) the Creek by exclusion booming the mouth. Once oil has entered the creek, the concern is that oil will be transported to the interior of bordering marshes via the deep side tidal channels. If marshes become oiled, concerns are that marsh may become damaged by cleanup and foot traffic and oil may be trampled into sediments. Minimize damage to plants, wildlife and birds from foot traffic.

HAZARDS and RESTRICTIONS:

Aircraft, beware of overhead power lines and towers. Vessels beware of shallow water.

SITE STRATEGIES

Strategy 2-346.1 Objective: Deflect oil away from marshes, keep oil in deep water channel & skim

a. Deflection boom placed off NW point at creek mouth. Possibly use 8000 ft of 4x4 swamp boom across marsh and mudflat then connect to harbor boom in channel to deflect oil away from marsh and mudflats into deep water channel.

b. Short segments of 9X9+ Hboom deflection can be placed along north side mudflat to keep oil in channel. Can use powerline tower supports as boom attachment points.

c. Skimmers (3 self propelled) to operate at mouth of Coyote Creek, at split of Alviso Slough and Coyote Creek.

Strategy 2-346.2 Objective: exclusion of mouths of small tidal channels to inner marshes.

"Plug" small slough channels along marshfront on N. side with approximately 400 ft of fence boom or 4x4 swamp and sorbent booms.

Strategy 2-346.3 Objective: Protective booming of windward shores to prevent oil from being carried into marshes by wave and tidal action

Line marshfront with 4000 ft of oil snare, swamp boom, or sorbent boom.

Table of Response Resources

| strategy number | harbor boom | swamp boom | Other boom type | sorb boom | Anchoring no | tvpe and gear | Boom boat | Skiffs punts | Skimmers No | Type | Special Equipment or comment No and kinds | staff deploy | Staff tend |
|-----------------|-------------|------------|-----------------|-----------|--------------|---------------|-----------|--------------|-------------|------|---|--------------|------------|
| 2-346.1 | 8000 | 200 | | | 30 | many large | 8 | 3 | 3 | SPS | | 10 | 4 |
| 2-346.2 | 0 | 400 | | 400 | 25 | many + stakes | 1 | 1 | | | | 8 | |
| 2-346.3 | 0 | 4000 | 4000 | SN | | | | | | | | | |

LOGISTICS

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

Take Hwy 880 south and exit at West Warren Avenue. Turn right on West Warren Avenue and follow it to Fremont Blvd. Turn right on Fremont Blvd. and left on the next road. Follow this road to where it crosses a dirt road. Turn right and follow this road to where it crosses Coyote Creek (first collection point) and follow it across to the dead end slough to the second collection point. Access to Coyote Creek and Mowry Slough is possible through Durham Landfill off of Automall Road. South side access available through Alviso to Cargill and refuge property. This site extends from the mouth of Coyote Creek at the southeast corner of South San Francisco Bay upstream to Hwy 237 and includes all marshes and tributaries not included in other sites. Shoreline Marshes under management of USFWS.

LAND ACCESS: 2WD,LG TRK,4WD,ATV When levees are dry.

WATER LOGISTICS: Very shallow, beware of tides.

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Launch ramp at Redwood City and possibly at Alviso Slough for smaller boat during at high tide.

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

USFWS South Bay Refuge may be a useful field post and staging area. Cargill Salt is another proximal location providing use can be negotiated.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

