

2-328-A Site Summary - Ideal and USFWS N-5 Marshes**2-328-A****County:** Alameda **ACP Division/Segment:** AL - H - S002**NOAA Chart:** San Francisco Bay, Southern Part **Map Book:** AAA Hayward - U **Decimal Degrees:** 37.538461 -122.114071**Site Description:**

A large contiguous section of salt-marsh located along the east side of south San Francisco Bay and bounded on the north by Coyote Hills Slough (Alameda County Flood Control Channel), on the east by the Coyote Hills, on the south by Highway 84, and on the west by San Francisco Bay. The salt-marsh is surrounded by Cargill salt ponds on three sides and is part of the Don Edwards San Francisco Bay National Wildlife Refuge. The bay front edge of this site is not leveed and is therefore vulnerable to oiling. Mudflats extend 1000's of feet from the site. The site consists of a contiguous salt-marsh, approximately 0.25 mile wide, running approx 1.2 miles along the east bay shoreline beginning from below the mouth of Coyote Hills Slough and surrounded to the north, east and south by three salt ponds. Ideal Marsh is fed by numerous small tidal channels linked directly to the bay and has several small coves which function as natural collection areas.

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

10A Salt - and brackish-water marshes

6B Riprap

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	gulls	FP	Year-round	Mar-May
Birds	California Ridgeway's rail	FE, SE	Year-round	Feb-Aug
Birds	shorebirds		Year-round	
Birds	waterfowl		Year-round	
Fish	longfin smelt	ST	Year-round	Nov-May
Mammals	salt-marsh harvest mouse	FE, SE		

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	/Dispatch, 24-hr	Alameda County Sheriffs Department	(510) 667-7721
E	/Supervisor	Cargill Salt	(641) 670-0654
O	/Office	Point Blue Conservation Science	(707) 781-2555
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:

Important gull nesting area.

Concerns and Advice to Responders:

The main concerns are the very sensitive marsh and mudflats here, which are almost impossible to cleanup. The intention is to prevent oil from entering the salt-marsh. Avoid disturbing or trampling marsh vegetation. Should oil enter the marsh, expect injury and death of marsh vegetation, small mammals, shorebirds and waterfowl.

Hazard and Restrictions:

Shallow water. Seas to 3 feet. Soft sediments.

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

Strategy: 2-328.1 Objective: Deflection booming. Deployment of this strategy should be followed by strategy 2 or 3, as time and resources permit.

Strategy: On an incoming tide or oil coming from the northwest, deploy 2000 ft of 9X9+ Hboom from northern edge of Ideal Marsh angled to the southwest to divert oil from contacting the marsh. On outgoing tide and oil coming from the south bay or bridge, deploy same length of harbor boom from southwest corner of Ideal Marsh to the northwest. High currents (up to 5kts) require shallow angle for deployment. Can be accomplished with 2 skiffs and 6 people. Shallow draft boom boat would also be useful. Boom can be delivered by truck on levee roads to north and south of Ideal Marsh. Use 50 ft of oil snare, 100ft of sorbent boom to collect oil that may accumulate. Contact IC/UC if oil accumulates in skimmable quantities.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		2000	feet	
Boom	Sorbent			100	feet	
Boom	Oil Snare (pom-pom)			50	feet	
Anchor	Danforth	22 lbs		6		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			2		
Staff	Staff to Deploy			6		
Staff	Staff to Tend			2		

Strategy: 2-328.2 Objective: Exclude oil from entering Ideal Marsh. Should oil enter the marsh, contain oil to the smallest possible area of the marsh.

Strategy: a) Deploy 6500 ft of 9X9+ Hboom along 1.2 miles of Ideal Marsh shoreline. Can be accomplished with 4 skiffs and 12 people. Boom can be delivered by truck on levee roads.

b) Deploy 1000 ft of Sboom in 100-200ft increments to block tidal inlets to Ideal Marsh. Can be accomplished with 2 skiff and 6 people. Boom can be delivered by truck on levee roads. Tidal inlets to marsh will need to be identified in the field.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		6500	feet	
Boom	Swamp	6x6 inch		1000	feet	
Anchor	Danforth	22 lbs		22		
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			2		
Staff	Staff to Deploy			10		
Staff	Staff to Tend			2		

Strategy: 2-328.3 Objective: Oil Recovery by Shoreside skimming

Strategy: Deploy skimmers if oil accumulates in skimmable quantities. Consult with IC/UC prior to the initiation of this strategy.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
skimmer	shoreside			1		
Vac truck				1		
Staff	Staff to Deploy			3		
Staff	Staff to Tend			2		

Logistics:

Directions: Hwy 880 to Newark. Take Highway 84 west to Dumbarton Bridge. Exit at Thorton Ave. and travel south for 0.8 miles to the wildlife refuge entrance on the right on Marshlands Rd. Drive 3 miles to end and then under Dumbarton Bridge to access salt pond levee to Ideal Marsh. An alternate route exists through Coyote Hills Regional Park. Launch ramp at San Leandro Marina. Take highway 880 to San Leandro. Exit Marina Blvd. Go west on Marina Blvd. to San Leandro Marina.

Land Access: Gravel roads to bayside and Coyote Hills Slough channel.

On-Water Limitations: Shallow Draft Vessels<6'. Boat launching available at Redwood Creek Boat Ramp and San Leandro Marina. Small skiffs may be launched from levees or small boat ramp at Refuge entrance off Thorton

Facilities, Staging Areas, Command Posts, Available Equipment: This area is all part of the Don Edwards San Francisco Bay National Wildlife Refuge. A small staging area and access is available at the USFWS HQ/Visitor's Center on Marshlands Rd.

Communications Problems: Cell reception good.

Additional Operational Comments: Vehicle access is controlled by Alameda County Flood Control. Dry season vehicle access on Cargill salt pond levees

