

**2-320-A Site Summary - Oro Loma Marshes****2-320-A****County:** Alameda **ACP Division/Segment:** AL - F - S003**NOAA Chart:** San Francisco Bay, Southern Part **Map Book:** AAA Fremont - N **Decimal Degrees:** 37.660435 -122.157586**Site Description:**

As part of East Bay Regional Park District's (EBRPD) Hayward Shoreline, this large contiguous section of pickleweed marsh located along the east side of south San Francisco Bay and bounded on the north by the Bockman Channel, the east by the city of Hayward, the south by Cogswell Marsh, and on the west by San Francisco Bay. The bay front edge off this site is rip-rapped levee, with the exception of a small-marsh at Hayward Landing. Mudflats extend 1000's of feet out from the levees into San Francisco Bay. The site consists of three separate salt-marshes running approximately 1.7 miles along the east bay shoreline from the mouth of Bockman Channel to the southern tip of Triangle Marsh. The largest of these and the highest priority is the approx 364 acre Oro Loma Marsh located south of Bockman Channel and north of Sulphur Creek. Oro Loma is partially protected by levees and fed by two 65 foot channels, one which opens directly to the Bay, and one opens to Sulphur Creek. Frank's Dump Marsh, and a higher elevation landfill/grassland area, is located south of Sulphur Creek and North of West Winton Channel. It is fed by one rubber-valved channel from Sulphur Creek. The third and smallest marsh is Triangle Marsh which extends south from West Winton Channel to Cogswell Marsh and has one inlet near the mouth of West Winton Channel.

**Resources at Risk:***ESI and Habitat:* 6B Riprap

10A Salt - and brackish-water marshes

8B Sheltered solid man-made structures

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**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	California least tern	FE, SE	Apr-Sep	Apr-Jun
Birds	California black rail	FP, ST	Year-round	Mar-Aug
Birds	Western snowy plover	FT, SSC	Year-round	Mar-Oct
Birds	California Ridgeway's rail	FE, SE	Year-round	Feb-Aug
Birds	burrowing owl	SSC	Year-round	Mar-Apr
Fish	longfin smelt	ST	Year-round	Nov-May
Mammals	salt-marsh harvest mouse	FE, SE	Year-round	
Plants	California seablite	FE, SSSP	Year-round	Jul-Oct

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 Flood Control	(510) 670-5500
E	/Dispatch, 24-hr	Alameda County Sheriffs Department	(510) 667-7721
E	/Dispatch, 24-hr	East Bay Regional Park District	(510) 881-1833
E	/Shoreline Parks Manager	East Bay Regional Park District	(510) 881-1832

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 main concerns are the very sensitive marshes and mudflats here, which are almost impossible to cleanup. The intention is to prevent oil from entering the marshes. Avoid disturbing or trampling marsh vegetation and don't trample oil into the mud.

**Hazard and Restrictions:**

Shallow water, seas up to 3 feet with windchop. Soft sediments. Small pilings offshore, which may be submerged by tides, northwest of Sulphur Creek. Rocks and pilings of old Hayward Landing running parallel to shore northward from West Winton Channel (about 1/4 mile long).

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

**Strategy: 2-320.1 Objective:** Exclude oil from entering the Oro Loma Marsh and Frank's Dump Marsh. Should oil enter the marsh, contain oil to the smallest possible area.

**Strategy:** a) Deploy 800 ft of 9x9+Hboom in chevron outside of main uncontrolled breach into Oro Loma from bay. High currents (up to 5 kt) at breach, require boom anchored well outside of breach to prevent entrainment. Can be accomplished with 2 skiffs and 6 people. Shallow draft boom boat would also be useful. Use 100 ft of sorbent boom, 50 ft of Oil Snare (OS) to collect any oil that may accumulate. If oil accumulates in skimmable quantities contact IC/UC.

B) Deploy 500 ft of 9x9+Hboom in mouth of Sulphur Creek at steep angle under bridge, deflecting to southern shoreline just west of rubber intake to Frank's Dump Marsh West. Plug or cover 12" rubber intake valve. Can be accomplished with 1 skiff and 4 people. Use 100 ft of sorbent boom, 50 ft of Oil Snare (OS) to collect any oil that may accumulate. If oil accumulates in skimmable quantities contact IC/UC.

c) Close two screw-down tide gates at inlet to Triangle Marsh. Contact EBRPD to do this.

d) Exclude oil from West Winton Channel and inlet to Triangle Marsh with 500 ft of 9x9+ Hboom angled from southern tip of Hayward Landing point to point of land south of inlet of Triangle Marsh. Tasks can be accomplished with 1 skiff and 4 people.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1800	feet	
Boom	Sorbent	6x6 inch		200	feet	
Boom	Oil Snare (pom-pom)			100	feet	
Anchor	Danforth	22 lbs				
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			2		
Staff	Staff to Deploy			7		
Staff	Staff to Tend			2		

**Strategy: 2-320.2 Objective:** Exclude oil from entering Frank's Dump Marsh, East/West. Should oil enter the marsh, contain oil to the smallest possible area.

**Strategy:** a) Should only be deployed after Strategy 2-320.1b which also protects this opening. Deploy 200 ft of 9X9+ Hboom in chevron across northern opening to Oro Loma located ~2000 ft to the east inside Sulphur Creek. Can be accomplished with 1 skiff and 4 people.

b) Close the six 36" open pipes under West Winton Channel bridge.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		200	feet	
Anchor	Danforth	22 lbs		2		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		

**Strategy: 2-320.3 Objective:** Exclude oil from entering Triangle Marsh and West Winton Channel. Protect bayfront pickleweed marsh. Should oil enter the marsh, contain oil to the smallest possible area.

**Strategy:** Deploy 1,200 ft of 9X9+ Hboom from southern tip of Hayward Landing point, extending north around point to shoreline to the north to protect the pickleweed marsh north of the point.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1200	feet	
Anchor	Danforth	22 lbs		6		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		

**Strategy: 2-320.4 Objective:** Oil Recovery by skimming

**Strategy:** Deploy skimmers, and vac trucks if needed, if oil accumulates in skimmable quantities. Consult IC/UC prior to initiation of this strategy

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
skimmer	shoreside			1		
Staff	Staff to Deploy			4		
staff	Staff to Tend			2		

### Logistics:

**Directions:** Hwy 880 to Hayward. Take Winton Ave. exit. Go west on W. Winton Ave to Hayward Regional Shoreline. Launch ramp at San Leandro Marina. Take Highway 880 to San Leandro. Take Marina Blvd. exit. Go west on Marina Blvd. to San Leandro Marina.

**Land Access:** Access for trucks on well maintained, graveled levee roads. Coordinate with EBRPD for gate access.

**On-Water Limitations:** Shallow draft vessels <6'. Rocks, pilings offshore at Hayward Landing. Boat launching available at San Leandro Marina. Small skiffs may be launched from levees or small dirt ramp south of Hayward Landing

**Facilities, Staging Areas, Command Posts, Available Equipment:** This is all part of East Bay Regional Park's Hayward Shoreline. A small staging area and access is available at the shoreline office at the west end of W. Winton Ave. Access is also available at the west end of Breakwater Ave. adjacent to Highway 92.

**Communications Problems:** Cell reception very good.

