

County: **Alameda**
 USGS Quad: **San Leandro**

Thomas Guide Location
 AAA Fremont - N

Latitude N
 37.63
 Longitude W
 122.15

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

Last Page Update : 10/1/2002

SITE DESCRIPTION:

The site consists of three contiguous salt marshes. Cogswell, Hayward and HARD Marshes, which are contained within levees, two emergent marshes at Johnson's Landing, and the Oliver Bros. salt ponds. Length of the site is approximately 3 miles total, along the east side of San Francisco Bay, south of Hayward Landings' Triangle Marsh to the Highway 92 bridge and bounded on the east by the Southern Pacific Railroad. Ownership of Cogswell, Hayward and the Johnson Landing marshes is public through East Bay Regional Parks District. HARD marsh is owned by Hayward Area Recreation District and the Oliver Bros. salt ponds are private (Cargill Salt) but managed by the USFWS. Cogswell Marsh (250 acres) is located immediately south of Hayward Landings' Triangle Marsh. The Cogswell Marsh levee has 2 openings of 800 ft and 300 ft. To the Bay and is a fully tidal salt marsh. Hayward Marsh (145 acres) is a managed brackish marsh. Cogswell and Hayward Marshes are separated by a leveed discharge channel. There are two 36" flap gates for discharge that drain into this channel. An intake channel on the southside of Johnson's Landing feeds into Hayward Marsh. This channel has a single 48" diameter screw gate at the mouth. Adjacent to the intake channel for Hayward Marsh is the mouth of the HARD Marsh channel. This channel passes under a vehicle bridge and runs along the Breakwater Ave. access road and opens into the HARD marsh (80 acres) which is a fully tidal saltmarsh. The Oliver Bros. salt ponds (+100 acres) intake water from this channel via tide gate controls. Johnson Landing has two exposed bayfront pickleweed marshes of approximately 2 acres total in size.

SEASONAL and SPECIAL RESOURCE CONCERN

The site is an "A" priority all year.

RESOURCES OF PRIMARY CONCERN

Extensive wetland habitats. The marshes are nesting habit for endangered California clapper rail, herons, egrets and resident shorebirds. The interior marshes are heavily used by migratory waterfowl, shore and wading birds. The salt ponds adjacent to Hwy 92 have snowy plover nesting.

The endangered Endangered California least terns are known to occur seasonally (summer) in the area.

Salt marsh harvest mouse may also be present in these areas as the marshes provide suitable habitat.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Ohlone cultural sites may be nearby. 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
E/O	EBRPD Dispatch EBRP	East Bay Regional Park District	(510) 881-1833
E/O	Environmental Services	San Leandro City of	(510) 577-3401
E/T	Hayward/Eden Landing Park Supervisor	East Bay Regional Park District	(510) 544-3082
T	John Krause Wildlife biologist	CA Dept. of Fish & Wildlife, Region 3	(415) 454-8050
E	Pat Metelli	Cargill Salt	(510) 790-8610

ADDITIONAL SITE SUMMARY COMMENTS:

2-324 -A Site Strategy - Cogswell, Hayward, and HARD Marshes

County and Thomas Guide Location
AAA Fremont - N Alameda

NOAA CHART
San Francisco Bay, Southern Part

2-324 -A

Latitude N Longitude W
37.63 122.15

CONCERNS and ADVICE to RESPONDERS:

Last Page Update : 10/1/2002

Primary concern is to prevent oil from entering the interior marshes via levee breaches and tidal channels. Secondly, prevent oiling of marsh margins. Avoid trampling the marsh vegetation and be aware that small endangered mammals and birds are present. Avoid trampling oil into marsh. Should oil enter the marsh, expect injury and death of marsh vegetation, small mammals, shorebirds and waterfowl.

HAZARDS and RESTRICTIONS:

Very shallow water, offshore access may be limited to high tide periods, seas to 3 feet. Soft mud.

SITE STRATEGIES

Strategy 2-324.1 Objective: Exclude oil from entering Cogswell, Hayward and HARD marshes. Should oil enter the marshes, contain oil to the smallest possible area.

- a) Cogswell Marsh (north levee breach): Deploy 1400 ft of 9X9+ Hboom in an apex across the levee breach (800 ft.). Road access from W. Winton Ave. Small skiffs can be deployed from levees.
- b) Cogswell Marsh (south levee breach): Deploy 600ft of harbor boom in apex across the levee breach (300 ft.). Foot bridge spans this breach. Road access from Hwy 92 side. Small skiffs can be deployed from levees.
- c) Hayward Marsh: Ensure that intake tide gate (single 48" diameter screw gate) at mouth of intake channel is closed. Ensure that discharge culverts (two 36" discharge flap gates) located in discharge channel are closed to Bay inflow. Contact East Bay Regional Park District Dispatch (510) 881-1833.
- d) HARD Marsh: Deploy 1200ft of harbor boom in a chevron starting from levee 300' south of Johnson Landing outward with apex furthest point from bridge to close channel. Vehicle bridge spans channel near mouth. Strong current at bridge. Road access from Hwy 92 side. Contact East Bay Regional Park District Dispatch (510) 881-1833.

Strategy 2-324.2 Objective: Exclude oil from entering interior of Cogswell Marshes. Should oil enter the marshes, contain oil to the smallest possible area.

- a) Deploy 800 ft of 9X9+ Hboom from north breach to south end of the foot bridge to the east. This closes off northern interior marsh opening. Land access from W. Winton Ave.
- b) Deploy 600ft of 9X9+ Hboom on the inside of the south breach (300 ft.) to act as a collection pocket. Land access from Hwy 92 side.

Strategy 2-324.3 Objective: Exclude oil from Johnson's Landing marshes

Deploy 600ft of swamp boom to protect Johnson Landing point bayfront pickleweed marshes. Road access from Hwy 92 side. Needs at least 4.0ft tide to access from off-shore.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	type and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special Equipment or and kinds	comment	staff deploy	Staff tend
2-324.1	3200	1000	0	0	0	9/22+ & 14/12+ danforth	2	4	0	0	bboat: shallow, strandable, stakes		14	2
2-324.2	1400	0	0	0	0	6/22+ danforths & 8/12+ danforth	1	2	0	0	bboat: shallow, strandable. Stakes		6	
2-324.3	0	600	0	0	0	4/22+danforths	0	2	0	0	bboat: shallow, strandable. Stakes		6	

LOGISTICS

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

Hwy 880 to Hayward. Cogswell Marsh: Take Winton ave. exit. Go west on W. Winton ave. to Hayward Regional Shoreline. HARD and Hayward Marshes: Take Hwy 92 exit. Take Breakwater Ave. exit (Hayward shoreline Interpretive Center). Access by levee road to marshes (roads may be marginal in wet conditions). 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. The site consists of three contiguous salt marshes. Cogswell, Hayward and HARD Marshes, which are contained within levees, two emergent marshes at Johnson's Landing, and the Oliver Bros. salt ponds. Length of the site is approximately 3 miles total, along the east side of San Francisco Bay, south of Hayward Landings' Triangle Marsh to the Highway 92 bridge and bounded on the east by the Southern Pacific Railroad. Ownership of Cogswell, Hayward and the Johnson Landing marshes is public through East Bay Regional Parks District. HARD marsh is owned by Hayward Area Recreation District and the Oliver Bros. salt ponds are private (Cargill Salt) but managed by the USFWS.

LAND ACCESS: Access for trucks on well maintained, graveled levee roads.

WATER LOGISTICS: Shallow Draft Vessels <6'.

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Boat launching available at San Leandro Marina. Small skiffs may be launched from levees.

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

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:

ADDITIONAL OPERATIONAL COMMENTS:

2-324 -A Strategy Diagram- Cogswell, Hayward, and HARD Marshes

2-324 -A

