

County: **Alameda**

Thomas Guide Location

Latitude N

Longitude W

USGS Quad: **Oakland E.,Hntrs Point,San Leandro**

3 7 45

122 13

NOAA Chart: **18649/18650 Entrance to SF Bay**

Last Page Update : 10/1/2002

SITE DESCRIPTION:

This site includes all of San Leandro Bay and the San Leandro Channel, including Elsie Roemer Bird Sanctuary located at the southeast end of Crown Beach on Alameda, west of the Alameda-Bay Farm Island Bridge. This shallow bay between Alameda and Bay Farm Islands has extensive mudflats and well developed saltmarsh, including the 50-acre Arrowhead Marsh at the south end. The west and south margins are part of Martin Luther King Jr. Regional Shoreline - EBRP. The Oakland Estuary feeds into the north end, and San Leandro Channel feeds in from the west. San Leandro Creek empties to the bay at its southeast corner. The Airport Marina is along the southwest margin.

SEASONAL and SPECIAL RESOURCE CONCERN

The saltmarshes, mudflats, and bird sanctuary are an "A" priority all year. Several Special Status Species including the endangered California clapper rail, the endangered salt marsh harvest mouse, and rare sensitive plants are present in the 50-acre Arrowhead Marsh.

RESOURCES OF PRIMARY CONCERN

The main habitat of concern is the 50-acre Arrowhead Marsh (southeast of diagram) . There are also cordgrass marshes along the margins. There is a restored marsh SE of Arrowhead Marsh - this marsh was created as mitigation for the land fill operation that created the parking lots and truck terminals at the end of Swan Way and Pardee Dr. There are extensive mudflats. The gravelly substrate along the southwest margin supports extensive cockle beds. All these habitats are very sensitive to oiling and cleanup is very impractical.

All of the marshes, mudflats, and shallow water areas within San Leandro Bay are habitat for waterfowl, wading birds, and shorebirds, and the Elsie Roemer Bird Sanctuary is located at the southeast end of Crown Beach on Alameda, west of the Alameda-Bay Farm Island Bridge. The endangered California clapper rail breeds here. Brown pelican and least tern forage here.

The endangered saltmarsh harvest mouse also populates these marshes.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

There are likely 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
E/T	Crown Beach Park Supervisor	East Bay Regional Park District	(510) 544-3171
ELO	EBRPD Dispatch EBRP	East Bay Regional Park District	(510) 881-1833
E/T	MLK/Oyster Bay Park Supervisor	East Bay Regional Park District	(510) 544-3115
E/T	Shoreline Park Supervisor	East Bay Regional Park District	(510) 544-3172

ADDITIONAL SITE SUMMARY COMMENTS:

2-309 -A Site Strategy - San Leandro Bay

County and Thomas Guide Location

Alameda

NOAA CHART

18649/18650 Entrance to SF Bay

2-309 -A

Latitude N

Longitude W

3 7 45

122 13

Last Page Update : 1/15/2014

CONCERNS and ADVICE to RESPONDERS:

The main concerns are the very sensitive marshes and mudflats here, which are almost impossible to cleanup. Endangered birds and marsh mice live here. The intention is to prevent oil from entering the marshes by diverting it to collection sites on the north shore of Bay Farm Island near the bridge. Avoid disturbing or trampling marsh vegetation and don't trample oil into the mud.

HAZARDS and RESTRICTIONS:

Beware of shallows.

SITE STRATEGIES

Strategy 2-309.1 Objective: Exclusion/deflection on flood tide from San Leandro Channel to shoreside collections at Bay Farm Island Bridge.

Deploy 1900' ft of 9X9+ Hboom in a chevron configuration from north side of Bay Farm bridge, across San Leandro Channel to south side at fishing pier, establish collection pockets on both sides, and exclude oil from San Leandro Bay marshes.

Ebb Tide:- If little to no oil is inside San Leandro Bay; flood tide harbor boom can remain in place. If strong currents exist the boom may be opened, using the boom to line the marshes on either side of the channel, allowing oil to move out of the bay. If a significant amount of oil is present inside the bay; leave existing flood tide harbor boom in place, collect oil on the north bank.

Backup considerations- see substrategy 2-309.5: A secondary line of defense in the San Leandro Channel may be required. This could involve sorbent boom behind harbor boom or additional harbor boom and skimmers working near the bridge. Specific equipment requirements will be determined based on oil, current, and weather conditions during the incident. Advise UC/IC.

Strategy 2-309.2 Objective: Deflection away from Elsie Romer Bird Sanctuary to collection in the San Leandro Channel.

Deploy 1500 ft of 9X9+ Hboom from the Park St. jetty on Alameda. Depending on weather and spill conditions, this boom can be used to either deflect oil away from the marsh east of jetty and into channel, or to deflect oil to the sandy beach into a collection area. SPS skimmer in San Leandro Channel may be replaced by portable skimming head operated from shore with vac truck or other shore storage.

Strategy 2-309.3 Objective: Exclude oil from entering the bay via Oakland Estuary.

Protective measures on the north channel (Oakland Estuary) entrance to San Leandro Bay may also be necessary depending on the size and location of the spill. Spills in SF Bay should be confronted in the Oakland Inner Harbor to prevent oiling of the inner harbor and San Leandro Bay. Spills in the harbor should be confronted in the Park Street Bridge Reach. Currents in the Park St. Bridge Reach are very fast. Specific strategies have not been developed for these locations, although extensive use and deployment of several thousand feet of harbor boom, boom boats, skimmers and vacuum trucks may be required. Diagonal booming will be necessary to move oil out of swift water to slower shoreside collection pockets and eddies.

Strategy 2-309.4 Objective: collect / ground oil washing along Alameda Beach toward Elsie Romer Bird Sanctuary

To contain and collect along-shore transported oil on Alameda Beach, set 300 ft of swamp boom at a diagonal just west of Park St. jetty. Use sorbents and provide for additional oil collection as needed.

Strategy 2-309.5 Objective: Collection by skimming - as needed

Best skimming location is at south side of Alameda-Bay Farm Island Bridge in conjunction with 2-309.1. There is a pocket with immediate vehicle access, sea wall, and walkway immediately to the west of bridge footing. This site is well suited for a Shoreside skimming system. Extra boom to reinforce the pocket is recommended.

Skimming with a Self propelled skimmer may be effective upstream from the bridge and particularly in conjunction with strategy 2-309.2 (deflection boom from Park Street jetty at Elsie Romer Bird Sanctuary.) The channel on the south side is favorable to navigation. Shoreside skimming may also work in conjunction with 2-309.2.

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 comment No and kinds	staff deploy	Staff tend
2-309.1	1900	300		200	5 5/22+/danforth & chain	2	1	0 portable	Bboat: very shallow draft	8	
2-309.2	1500				4 4/22+/danforth	2	1	0 sps		8	
2-309.3	3000			100	10 10/22+/danforth & chain	2	1	1 SPS or			

2-309.4	0	300	50 OS	50	3	12#+ anchors	0	1	0	0	2
2-309.5	0	100	0	0	0		0	0	1 SSS	0	

LOGISTICS

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

By vehicle, exit I-880 at Hegenberger Rd and proceed bayward (toward airport). Turn right (north) on Doolittle Dr (Hwy 61) which runs along the west side of San Leandro Bay and crosses the San Leandro Channel. By boat, from the tip of Alameda Island, the bay is at the east end of the Island and may be approached via the Oakland Estuary or, preferably on the south side of the island, via the San Leandro Channel. This site includes all of San Leandro Bay and the San Leandro Channel, including Elsie Roemer Bird Sanctuary located at the southeast end of Crown Beach on Alameda, west of the Alameda-Bay Farm Island Bridge.

LAND ACCESS: Good on west shore.

WATER LOGISTICS: Exceedingly shallow.

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: There are launches in Oakland Estuary and at the southwest of Alameda Island at the end of Lincoln St. All services in Oakland Estuary.

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

Good staging at the foot of Alameda-Bay Farm Island Bridge. Also at Crown Beach (EBRPD), Martin Luther King Regional Shoreline, and Bay Farm Ferry Landing. Field Post at USCG, Alameda. Foss Environmental HQ is at the west end of Alameda.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

