		Thomas Guide Location	Latitude N	Longitude W
County:	San Francisco	AAA - San Franc	3 7 46	122 23
USGS Quad:	Oakland, West	NOAA Chart: Entrance to San Francisco Bay		

Last Page Update : 1/1/1994

SITE DESCRIPTION:

Yerba Buena Island is the prominent rocky island mid-span of the Bay Bridge. The sensitive portion of the shoreline is the southerly shore from the lighthouse at the south tip to just north of the west Bay Bridge span (just short of the underwater cable crossing). Shoreline and access under management of USCG. There are small cobble pocket beachs on the south side of the island which are used by pinnipeds and birds.

SEASONAL and SPECIAL RESOURCE CONCERN

"A" protection priority during harbor seal pupping season 15 March to 10 June, "B" priority balance of the year.

RESOURCES OF PRIMARY CONCERN

Coarse grain beaches and steep rocky slopes are haul outs for pinnipeds and birds.

Although this area is used for resting for birds, primary sensitivity is pinniped use.

Harbor seal rookery during spring when 30 to 50 seals use the site when tide is below +3 feet above mean lower low water. 100 to 250 seals haul out at this site during the winter.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

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	IMD USCG-YBI	USCG	(415) 399-3543

ADDITIONAL SITE SUMMARY COMMENTS:

County and Thomas Guide Location	NOAA CHART	Latitude N	Longitude W
AAA - San Franc San Francisco	Entrance to San Francisco Bay	3 7 46	122 23

Last Page Update : 10/1/2002

CONCERNS and ADVICE to RESPONDERS:

The concern is oiling of beach where oil will become hazardous to seals using the site. Injury and death to be expected if harbor seal pups inhale or ingest oil. There is high risk of pups ingesting oil while nursing if mothers become oiled. Minimize disturbance of seals during deployment.

HAZARDS and RESTRICTIONS:

Potential for 3 foot seas. Most of the water is very deep close to shore but there are occasional rocks and pilings. There are underwater cables just north of the Bay Bridge. Approach by foot is extremely hazardous because of steep cliff face.

SITE STRATEGIES

Strategy 2-351.1 Objective: Protective booming of beach and rocks used by seals.

Deploy 3,000 feet of 9X9+ Hboom parallel to the shoreline around the south side of the island to keep oil off the pocket beaches between lighthouse point and the west span of the Oakland Bay Bridge. Great care must be taken to prevent oil from getting behind the boom at either end throughout the tidal cycle. A 200 foot deflection boom should be in place at the west end of the boom during the flood tide. (A similar deflection may be necessary at the east end of the boom under some wind and tide conditions.)

Anchoring Recommendations: Waters are very deep at the shore and there are relatively few obstructions. The east end of the boom may be fastened or anchored off the the lighthouse (there is an EYE bolt embedded in the rock below the lighthouse which may be helpful). The west end of the boom should be anchored west of the sand and gravel beaches just south of the western span of the Bridge. Few midpoint anchors are needed because the boom is deployed parallel to straight shorelines and currents are minimal near the shoreline. (Although the tidal currents are strong, they run parallel to the shore in these areas.) Midpoint anchors are needed primarily to keep the boom off the shoreline. Danforth anchors are satisfactory in the soft bottoms off the beaches where seals haul out, but Northhill anchors should be used on the rocky bottom below the lighthouse. The boom may be attached to the dolphin pilings off the beaches.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	Anchoring type and gear	Boom boat	Skiffs punts	Skimmers No	Skimmers Type	Special Equipment or comment No	Special Equipment or comment and kinds	staff deploy	Staff tend
2-351.1	3000				7	7/25# w/ 20' 1/2" chain	3	1			1	3000' 1/2" anchor line	11	2

LOGISTICS

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

Boat access is designated method of approaching this site. Foot access to pocket beaches is either minimal, extremely dangerous, or impractical due to steep cliffs. There is vehicle access to site: take Highway 880 to westbound Highway 80; get on the Oakland Bay Bridge; while still on the Bridge take the Yerba Buena Island exit (Hillcrest Rd); follow signs to the USCG Station. There is access for foot traffic from parking lot above vice-admiral's house; walk south to cliff or lighthouse and descend to beach. Yerba Buena Island is the prominent rocky island mid-span of the Bay Bridge. The sensitive portion of the shoreline is the southerly shore from the lighthouse at the south tip to just north of the west Bay Bridge span (just short of the underwater cable crossing). Shoreline and access under management of USCG.

LAND ACCESS: Poor to impossible access from land by foot only. Contact IMD.

WATER LOGISTICS:

Limitations: depth, obstruction — Water is deep and fairly unobstructed along this margin.

Launching, Loading, Docking and Services Available: Estuary Park & Fifth Ave. Marina, Oakland; Ballena Isle Marina, Alameda; Emeryville Marina; Berkeley Marina, Berthing at Treasure Island Marina. There is a boat launch at the Treasure Island Yacht Club.

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

Space for large staging area, and field post or Command Post is available on Treasure Island. Contact YBI USCG for boom staging at USCG base.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS: Bottom type - hard mud, shell, rocks. Possible staging and collection site at USCG station.


2-351.1
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1,000
2,000
Feet
N
CDFW - OSPR & USCG Site: 2-351 Name: Yerba Buena Island
G.Ewing (OSPR) & M. Schommer (OSPR) Date: 04/10/2014
Harbor Boom
Swamp Boom
Skimmer
Sorbent Boom
Other Boom
Offshore Containment Recovery
Dike or Berm
Filter Fence
Imagery: NAIP 2010 (Summer) 4-Band