

2-351-A/B Site Summary - Yerba Buena Island**2-351-A/B****County:** San Francisco **ACP Division/Segment:** SF - F - S006 SF - F - S007**NOAA Chart:** Entrance to San Francisco Bay **Map Book:** AAA - San Franc **Decimal Degrees:** 37.807521 -122.364824**Site Description:**

Yerba Buena Island (YBI) is the prominent, rocky island mid-span of the I-80 Bay Bridge. The sensitive portion of the shoreline is the south-westerly shoreline from the lighthouse at the south tip to just north of the west Bay Bridge span (just short of the underwater cable crossing). The shoreline and access under management of USCG. There are small cobble-gravel pocket beaches on the south side of the island which are used by pinnipeds and birds, primarily during low tides. A small sandy pocket beach on the North (Clipper Cove) provides a another haul-out for pinnipeds.

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

8B Sheltered solid man-made structures

5 Mixed sand and gravel beaches

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	double-crested cormorant	FP	Year-round	May-Jul
Fish	longfin smelt	ST	Year-round	Nov-May
Mammals	harbor seal	FP	Year-round	Mar-Jun
Plants	blue coast gilia	SSSP	Year-round	Apr-Jul

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	/Duty Officer (24hr)	San Francisco Department of Emergency Manage	(415) 260-2591
E	/Emergency	US Coast Guard, Yerba Buena Island	(415) 399-3547
O	/Dispatch, 24-hr	The Marine Mammal Center	(415) 289-7350

C – Cultural, Historic, Archaeological; E – Entry/Owner/Access; O – Other; S – Safety; T – Trustee; X – Exclusion or Security

Additional Site Summary Comments:

Harbor seal pupping and haulout area.

Concerns and Advice to Responders:

The concern is oiling of beach where oil will become hazardous to Harbor 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. Small pocket beach on north side of YBI (Clipper Cove Beach) which may also have seals present.

Hazard 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. Approaching shorelines by foot is extremely hazardous because of steep cliff face.

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

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

Strategy: 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

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		3000	feet	
Anchor	Danforth	22 lbs		7		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			8		
Staff	Staff to Tend			2		

Logistics:

Directions: 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; follow signs to the USCG Station.

Land Access: Poor access to shoreline from land by foot only. Check tides for optimal accessibility.

On-Water Limitations: Water is deep and fairly unobstructed along this margin. Estuary Park & Fifth Ave. Marina, Oakland; Ballena Isle Marina, Alameda; Emeryville Marina; Berkeley Marina, Berthing at Clipper Cove Marina. There is a boat launch at the Treasure Island Yacht Club.

Facilities, Staging Areas, Command Posts, Available Equipment: Space for large staging area, and Command Post is available on Treasure Island and YBI. Contact YBI USCG for boom staging at USCG base.

Communications Problems: Excellent cell reception.

Additional Operational Comments: Bottom type - hard mud, shell, rocks. Possible staging and collection site at USCG station or US Navy facility. Some boom on-scene in water at Treasure Island Navy docks. Contact USCG at YBI and US Navy at Treasure Island.

