

2-310-A/C Site Summary - Bay Farm Island Eelgrass Beds**2-310-A/C****County:** Alameda **ACP Division/Segment:** AL - E - S001**NOAA Chart:** 18649/18650 Entrance to SF Bay **Map Book:****Decimal Degrees:** 37.72956 -122.261217**Site Description:**

This site extends from the tip of Bay Farm Island at San Leandro Channel (ferry landing) to the next point south. This reach is a shallow cove with a rip-rap margin and shallow water of up to 15' deep. It is a natural collection area for debris. The eelgrass beds begin about 50 ft off shore and are about 200 yards long. There is an exclusion zone 200 yds from OAK Airport shoreline. Bouys mark the exclusion zone. Contact Alameda County Sheriffs Department Dispatch for access to site or to deploy any 2-310 site strategies.

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

	Resource Name	Status	Presence	Sensitivity
Birds	California least tern	FE, SE		Apr-June
Fish	Pacific herring			Nov-Apr
Fish	longfin smelt	ST		Nov-May
Plants	eelgrass			

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 Sheriffs Department	(510) 667-7721
E	/Coordinator	City of Alameda Parks and Recreation	(510) 747-7529
E	/Dispatch, 24-hr	Oakland Airport	(510) 563-3361
O	/Dispatch, 24-hr	City of Alameda Police Department	(510) 747-7900
T	/Agency Representative	California Department of Fish and Wildlife	(707) 644-2812
T	/Agency Representative	NOAA National Marine Fisheries Service	(562) 980-3232

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:

Primary concern is oiling of eelgrass at -0.5 ft tides and its impacts on wildlife. This is a natural collection area for debris and can function as an effective oil collection site. Oil may become imbedded in the riprap.

Hazard and Restrictions:

Riprap poses slip, trip and fall hazards. Vessels beware of shallows at margins. Oakland Airport has an exclusion zone within 200 yds of shoreline near the NW end of the runway. Contact airport security to gain access to this area for strategy deployment or shoreline assessment.

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

Strategy: 2-310.1 Objective: Assess need for protective booming: Eelgrass is only vulnerable at very low tides when eelgrass tops are exposed to floating oil.

Strategy: Biological staff must assess this site to determine if eelgrass is at risk. Because this bed is fairly deep, eelgrass tops are rarely exposed to floating oil, and then only at very low tides. Oil readily sticks to floating eelgrass tops, and once eelgrass gets fouled with oil, oil becomes a subsurface threat to fish and other organisms which thrive in this cover. Scientific staff must review tidal information to see if minus tides may result in eelgrass exposure, and must conduct on-site evaluation as necessary. Any booming recommendations should be expedited through ICS to operations.

Table of Response Resources

Last Page Update

Strategy: 2-310.2 Objective: Deflection boom from the runway point to divert oil borne on currents past cove.

Strategy: This strategy is most appropriate if very low tides are likely to expose eelgrass. Deploy 1000 ft of 9X9+ Hboom from the point at the end of the runway parallel to the shoreline to deflect oil past the pocket of the cove. This strategy will require heavy anchoring since current is very strong (2+kn at point); previous deployment attempts have failed if not properly anchored.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom	9x9		2000	feet	
Anchor	Danforth	22 lbs		8		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		

Strategy: 2-310.3 Objective: Maximize oil capture at this locale with deflection to shore skimming unit.

Strategy: a) Ebb Tide: deploy 1000' 9X9+ Hboom at an angle to direct oil to shore about 200' south of ferry landing. Complete with a lined capture and hold pocket (2000' 4X4+ Hboom). Line shore with 4X4+ and/or sorbent boom to keep oil from imbedding in riprap. Deploy additional 1000 ft Hboom to cascade oil into collection.

b) Flood Tide: skimmer and collection booms will need to be positioned in the pocket of the cove to effect recovery.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		2000	feet	
Boom	Swamp	6x6 inch		2000	feet	
Anchor	Danforth	22 lbs		9		
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			2		
Staff	Staff to Deploy			8		
Staff	Staff to Tend			2		

Logistics:

Directions: Land access is from I-880: exit at High St, continue south (left) on Doolittle across San Leandro Bay and then continue right (west) on Mecartney Rd bay front, Shoreline Park. By water the site is about a mile southeast from the marina at Robert Crown State Beach.

Land Access: Do not access shoreline without contacting OAK Airport Security.

On-Water Limitations: Beware of shallows at margins. Launch and moorage across at Ballena Isle Marina, Alameda.

Facilities, Staging Areas, Command Posts, Available Equipment: Shoreline Park and Robert Crown Beach can provide local field support and deployment sites. EBRPD facilities at Crown Beach, Alameda may serve well as a field post.

Communications Problems: Cell reception excellent.

