

2-452-A Site Summary - Richmond Eelgrass Beds**2-452-A****County:** Contra Costa **ACP Division/Segment:** CC - X - S002 CC - X - S005 CC - Y - S001**NOAA Chart:** Entrance to San Francisco Bay 18649 **Map Book:** AAA Richmond **Decimal Degrees:** 37.952202 -122.42385**Site Description:**

This site includes all the shallow coves (<10 feet), areas along the east shore of San Francisco Bay from Point San Pablo south along the Richmond Peninsula to Castro Point. Most of the shoreline is under ownership of either Chevron, EBRPD, or City of Richmond. Extensive eelgrass beds are present in shallow water, protected areas. The eelgrass beds may expand or contract annually. The beaches south of Point Molate are of fine-grained sand while those to the north consist of coarse-grained sand to pebbles and rip-rapped shorelines. Numerous old pier pilings and pier structures exist and should be approached on water with caution based on tidal height.

Resources at Risk:*ESI and Habitat:* 5 Mixed sand and gravel beaches

6B Riprap

8B Sheltered solid man-made structures

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	double-crested cormorant	FP	Year-round	May-Jul
Fish	Pacific herring		Apr - Nov	
Fish	longfin smelt	ST	Year-round	Nov-May
Plants	eelgrass		Year-round	

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	/Operations, 24-hr	Chevron Corporation, Long Wharf	(510) 242-4494
E	/Dispatch/Watch Command	City of Richmond Police Department	(510) 233-1214
E	/Dispatch, 24-hr	Contra Costa Water District	(925) 688-8374
E	/Dispatch, 24-hr	East Bay Regional Park District	(510) 881-1833
E	/Shoreline Parks Manager	East Bay Regional Park District	(510) 881-1832
O	/Dispatch, 24-hr	The Marine Mammal Center	(415) 289-7350
T	/Agency Representative	California Department of Fish and Wildlife	(707) 644-2812

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:

Should eelgrass become heavily oiled it may produce a sheen for several weeks unless removed. Surface oil can be expected to produce injury and death to waterfowl in area.

Hazard and Restrictions:

Hazards include shallow water with debris, wrecks, and pilings throughout the area. Areas near Point Molate and Castro Point are inside a restricted area with access under the control of Richmond PD.

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

Strategy: 2-452.1 Objective: Exclude oil from pocket marsh at Castro Pt.

Strategy: Exclude oil from small pocket marsh just north of Castro Pt using 300' of swamp boom anchored or staked to high beach. There is land access but boom delivery via land is difficult. Water delivery is recommended but must contend with submerged obstructions and shallows.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		300	feet	
Anchor	Danforth	22 lb		5		
Vessel	Boom Boat or Skiff			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			4		

Strategy: 2-452.2 Objective: Exclude oil from emergent eelgrass bed in coves between Molate Pt and Pt Orient.

Strategy: Deploy 4000ft of 9X9+Hboom in a chevron from just east of Molate Pt to shore near the base of pier at Pt Orient. Remain outside of Eelgrass beds which can extend up to 1500' offshore from shore in middle of cove.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		4000	feet	
Anchor	Danforth	22 lb		9		
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			8		

Strategy: 2-452.3 Objective: Deflect to Collection/confinement at shoreline when oil impacts are likely to be heavy and unavoidable at this site

Strategy: Deploy deflection boom from headlands where there is access for oil recovery equipment and skimming recovery. Locations include:

- near Castro Point, 1,500' 9X9+ Hboom from base of Richmond-San Rafael Bridge toward Castro Rocks.
- from Point Molate, 2,000' 9X9+ Hboom in a southwesterly direction to collect and recover oil at Pt. Molate.
- from Point Orient, 1000 feet of 9X9+ Hboom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		4500	feet	
Boom	Swamp	6x6 inch		500	feet	
Anchor	Danforth	22 lb		22		
Vessel	Boom Boat			3		
Vessel	Skiff or Punt			2		
skimmer	self propelled			2		
Staff	Staff to Deploy			15		

Logistics:

Directions: Primary access by vessel. By land take Hwy 80 to Hwy 580 west. Before toll booth of the Richmond-San Rafael bridge turn right onto Western Drive. Proceed to pocket beach access areas. To access from Hwy 580 eastbound take Cutting Blvd to Garrard Blvd. South, through tunnel to Western Drive and shoreline.

Land Access: Good access for all vehicles along the main road (Western Drive).

On-Water Limitations: This is a shallow water site, submerged obstacles are likely. Launch ramps are available in the Richmond Harbor and at Chevron Refinery, docking facilities are available at the Point San Pablo Yacht Harbor (located NW of Point Orient) and Richmond Marina.

Facilities, Staging Areas, Command Posts, Available Equipment: Numerous staging areas and locations for field posts exist along Western Drive, at the Chevron Long Wharf and in Richmond Marina.

Communications Problems: Cell reception may be spotty depending on location.

