

**2-504-A Site Summary - Pinole Point Marshes - North****2-504-A****County:** Contra Costa **ACP Division/Segment:** CC - N - S001 CC - N - S005**NOAA Chart:** San Pablo Bay 18654 **Map Book:** AAA Richmond **Decimal Degrees:** 38.006481 -122.350929**Site Description:**

The site occurs between Pinole Point and Wilson Point, covering a distance of approximately 2.0 miles. The Pinole Point marshes are part of East Bay Regional Park District (EBRPD). Approximately 100 acres of salt-marshes run intermittently from Garrity Creek on the west to Pinole Point. The shoreline slope is low, and the water offshore is very shallow. The bottom is fine sand and mud sediments. There is an intermittent storm berm separating the beach from the salt-marsh. The top of the storm berm is composed of medium to coarse sand and shell. It is very near the high tide level and broken by many tidal channels. There are eleven identified channels including Garrity Creek. The land behind the storm berm is below the high tide level and vegetated with a variety of high marsh plants.

**Resources at Risk:***ESI and Habitat:* 10A Salt - and brackish-water marshes

9B Vegetated low banks

5 Mixed sand and gravel beaches

**List of Resources at Risk:**

	<b>Resource Name</b>	<b>Status</b>	<b>Presence</b>	<b>Sensitivity</b>
Birds	California black rail	FP, ST	Year-round	Mar-Aug
Birds	California Ridgeway's rail	FE, SE	Year-round	Feb-Aug
Fish	longfin smelt	ST	Year-round	Nov-May
Plants	soft bird's beak	FE, SR	Year-round	Jul-Nov

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:**

<b>Type</b>	<b>Name/Title</b>	<b>Organization</b>	<b>Phone</b>
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
E	/Dispatch, 24-hr	East Bay Regional Park District	(510) 881-1833
E	/Shoreline Parks Manager	East Bay Regional Park District	(510) 881-1832
S	/Dispatch, 24-hr	Contra Costa County Office of the Sheriff	(925) 468-4421
T	/Deputy Field Supervisor	US Fish and Wildlife Service	(916) 414-6702

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

**Additional Site Summary Comments:**

Access to shoreline via on-water is extremely shallow. Consider executing strategies from land in coordination with EBRPD Personnel. Submerged hazards from old pier pilings and rocks. Proceed on-water with caution. Avoid eelgrass beds with outboard engines/props.

**Concerns and Advice to Responders:**

Extensive cleanup and site remediation would be required should oil enter Whittell Marsh or Garrity Creek, there would be long term loss of sensitive species and their habitat.

**Hazard and Restrictions:**

Shallow water, limited approach from water, only during high tides, submerged obstructions likely, avoid eelgrass with propellers. Wind chop to three feet possible.

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

**Strategy: 2-504.1 Objective:** Exclude oil from the inner marshes of Whittell and Garrity Creek.

**Strategy:** a) Exclude oil from the inlets leading into Whittell Marsh (a large salt-marsh and several pocket marshes). There are 10 inlets. The largest inlets are on the west side of the site. The largest will require 200 feet of swamp boom and 200 feet of sorbent boom. Set each layer (100') of swamp boom at a steep angle across the largest inlet and back with several layers of sorbent boom. The type of sorbent should be adjusted to the type of oil spilled. Use plastic pom-poms (Oil-snare) for heavy oils and rubberizer boom for light oils.

Oil can be excluded from the remaining 9 inlets by placing 100 feet of swamp boom and backing with 100 feet of sorbent boom or 300 feet of oil snare rope in each channel so it forms a solid layer on the surface of the water from bank to bank for 6 feet of the channel length. The boom and the sorbents must be able to rise and fall with the tide. If high tide expected, exclude from marsh front.

B) Exclude oil from Garrity Creek by placing three 100 foot sections of swamp boom at a 45 degree angle across the creek. Back with sorbents. Use 300 feet of oil snare on a rope or 100 feet of 4 high construction fence with oil snares fastened every 14 inches in 3 rows.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		1400	feet	
Anchor	Danforth	22 lb		5		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

**Strategy: 2-504.2 Objective:** If high tide expected, exclude oil from marsh front.

**Strategy:** The natural berm separating the marshes from San Pablo Bay is topped by waves at only the highest spring tides. If such tides are expected, five layers of oil snare on a rope, or other sorbent appropriate to the type of oil spilled, should be placed along the top of the berm for its entire length. This will require approximately 25,000 feet of oil snare on a rope.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Oil Snare (pom-pom)			25000	feet	
Anchor	Danforth	22 lb		50		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			3		
Staff	Staff to Deploy			9		

**Logistics:**

**Directions:** On the east along the south shore of San Pablo Bay. Access to Whittell Marsh is via shallow water craft. In dry weather some access may be possible through Point Pinole Regional Park, via Pt. Pinole Road and Marsh Trail. There is parking areas on the shoreline at either side of Whittell Marsh. Access to Garrity Creek is via San Pablo Ave and Tara Hills Drive. The site occurs between Pinole and Wilson Point, covering a distance of approximately 2 miles. Point Pinole is under management of East Bay Regional Park District (EBRPD). East Bay Regional Park District (EBRPD).

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*Land Access:* Access thru EBRPD Gate. Coordinate with EBRPD Staff for access.

*On-Water Limitations:* Very shallow (tide dependent) with submerged hazards.

*Facilities, Staging Areas, Command Posts, Available Equipment:* Contact EBRPD for staging areas and potential field post.

*Communications Problems:* Good cell reception throughout.

