

2-324-A Site Summary - Cogswell, Hayward, and HARD Marshes**2-324-A****County:** Alameda **ACP Division/Segment:** AL - F - S005 AL - F - S006**NOAA Chart:** San Francisco Bay, Southern Part **Map Book:** AAA Fremont - N **Decimal Degrees:** 37.636206 -122.146896**Site Description:**

The site consists of three contiguous salt-marshes: Cogswell, Hayward and HARD Marshes, which are contained within levees, two emergent marshes at Johnson's Landing, and the Oliver Bros. salt ponds. Length of the site is approximately 3 miles total, along the east side of San Francisco Bay, south of Hayward Landings' Triangle Marsh to the Highway 92 bridge and bounded on the east by the Southern Pacific Railroad. Ownership of Cogswell, Hayward and the Johnson Landing marshes is public through East Bay Regional Parks District. HARD marsh is owned by Hayward Area Recreation District and the Oliver Bros. salt ponds are private but managed by the USFWS. Cogswell Marsh (250 acres) is located immediately south of Hayward Landings Triangle Marsh. The Cogswell Marsh levee has two openings of 800 ft and 300 ft to the Bay and is a fully tidal salt-marsh. Hayward Marsh (145 acres) is a managed brackish marsh. Cogswell and Hayward Marshes are separated by a leveed discharge channel. There are two 36" flap gates for discharge that drain into this channel. An intake channel on the southside of Johnson's Landing feeds into Hayward Marsh. This channel has a single 48" diameter screw-gate at the mouth. Adjacent to the intake channel for Hayward Marsh is the mouth of the HARD Marsh channel. This channel passes under a vehicle bridge and runs along the Breakwater Ave. access road and opens into the HARD marsh (80 acres) which is a fully tidal salt-marsh. The Oliver Bros. salt ponds (+100 acres) intake water from this channel via tide gate controls. Johnson Landing has two exposed bayfront pickleweed salt-marshes of approx 2 acres total in size.

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

9B Vegetated low banks

10A Salt - and brackish-water marshes

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	California Ridgeway's rail	FE, SE		Feb-Aug
Birds	Western snowy plover	FT, SSC		Mar-Oct
Birds	California least tern	FE, SE		Apr-Jun
Birds	California black rail	FP, ST		Mar-Aug
Birds	migratory waterfowl	FP	Apr - Sep	
Fish	longfin smelt	ST		Nov-May
Mammals	salt-marsh harvest mouse	FE, SE		
Mammals	salt-marsh wandering shrew	SSC		

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 Flood Control	(510) 670-5500
E	/Dispatch, 24-hr	Alameda County Sheriffs Department	(510) 667-7721
E	/Supervisor	Cargill Salt	(641) 670-0654
E	/Dispatch, 24-hr	East Bay Regional Park District	(510) 881-1833
E	/Shoreline Parks Manager	East Bay Regional Park District	(510) 881-1832
T	/Supervisor	CDFW, Region 3	(415) 250-0243
T	/Agency Representative	NOAA National Marine Fisheries Service	(562) 980-3232
T	/Spill Response Coordinator	USFWS, SF Bay-Delta Office	(916) 799-0588

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 to prevent oil from entering the interior marshes via levee breaches and tidal channels. Secondly, prevent oiling of marsh margins. Avoid trampling the marsh vegetation and be aware that small endangered mammals and birds are present. Avoid trampling oil into marsh. Should oil enter the marsh, expect injury and death of marsh vegetation, small mammals, shorebirds and waterfowl.

Hazard and Restrictions:

Very shallow water, offshore access may be limited to high tide periods. Be aware of submerged hazards. Seas to 3 feet with windchop. Soft mud substrates.

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

Strategy: 2-324.1 Objective: Exclude oil from entering Cogswell, Hayward and HARD marshes. Should oil enter the marshes, contain oil to the smallest possible area.

Strategy: a) Cogswell Marsh (north levee breach): Deploy 1400 ft of 9X9+ Hboom in an apex across the levee breach (800 ft.). Road access from W. Winton Ave. Small skiffs can be deployed from levees.
b) Cogswell Marsh (south levee breach): Deploy 600ft of harbor boom in apex across the levee breach (300 ft.). Foot bridge spans this breach. Road access from Hwy 92 side. Small skiffs can be deployed from levees.
c) Hayward Marsh: Ensure that intake tide gate (single 48" diameter screw gate) at mouth of intake channel is closed. Ensure that discharge culverts (two 36" discharge flap gates) located in discharge channel are closed to Bay inflow. Contact East Bay Regional Park District Dispatch (510) 881-1833.
d) HARD Marsh: Deploy 600ft of harbor boom from easterly most points of land at an angle to close channel. Vehicle bridge spans channel near mouth. Strong current at bridge. Road access from Hwy 92 side. Contact East Bay Regional Park District Dispatch (510) 881-1833.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		3200	feet	
Boom	Sorbent	6x6 inch		1000	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		

Strategy: 2-324.2 Objective: Exclude oil from entering interior of Cogswell Marshes. Should oil enter the marshes, contain oil to the smallest possible area.

Strategy: a. Deploy 800 ft of 9X9+ Hboom from north breach to south end of the foot bridge to the east. This closes off northern interior marsh opening. Land access from W. Winton Ave.
b. Deploy 600ft of 9X9+ Hboom on the inside of the south breach (300 ft.) to act as a collection pocket. Land access from Hwy 92 side.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1400	feet	
Anchor	Danforth	22 lbs		8		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			2		
Staff	Staff to Deploy			6		
Staff	Staff to Tend			2		

Strategy: 2-324.3 Objective: Exclude oil from Johnson's Landing marshes

Strategy: Deploy 600 ft of swamp boom to protect two bayfront pickleweed marshes. Use 600ft around Johnson Landing point. Use 400 ft in front of second exposed marsh (200ft south of Johnson's Landing) and connect with HARD Marsh harbor boom. Road access from Hwy 92 side.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		600	feet	
Anchor	Danforth	22 lbs		4		
Vessel	Skiff or Punt			2		
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		

Logistics:

Directions: Hwy 880 to Hayward. Cogswell Marsh: Take Winton ave. exit. Go west on W. Winton ave. to Hayward Regional Shoreline. HARD and Hayward Marshes: Take Hwy 92 exit. Take Breakwater Ave. exit (Hayward shoreline Interpretive Center). Access by levee road to marshes (roads may be marginal in wet conditions). Launch ramp at San Leandro Marina. Take Highway 880 to San Leandro. Take Marina Blvd. exit. Go west on Marina Blvd. to san Leandro marina.

Land Access: Access for trucks on well maintained, graveled levee roads. Work thru EBPRD Personnel for access & coordination.

On-Water Limitations: Shallow Draft Vessels<6'. Boat launching available at San Leandro Marina. Small skiffs may be launched from

Facilities, Staging Areas, Command Posts, Available Equipment: This is all part of East Bay Regional Park's Hayward Shoreline. A small staging area and access is available at the shoreline office at the west end of W. Winton Ave. Access is also available at the west end of Breakwater Ave. adjacent to Highway 92.

Communications Problems: Strong cell reception.

