

County: **Contra Costa**USGS Quad: **Richmond**

Thomas Guide Location

Latitude N

3 7 54

Longitude W

122 19

NOAA Chart: **18649/18650 Entrance to SF Bay**

Last Page Update : 7/1/2015

**SITE DESCRIPTION:**

This site includes the embayment and tributary marshes between the Pt. Isabel and the Golden Gate Fields peninsula. This site is managed by East Bay Regional Park District (EBRPD). Both peninsulas are largely fill and ripped along most of their margins. The two peninsulas roughly form a rectangle with the back marsh making the shore end. The back bay marsh is pickleweed marsh fronted with a sheltered tidal flat extending and very gradually deepening bayward and around the south side toward the mouth. Over half the bay is exposed tidal flat at low tide. There is almost no wave action at the marsh margin and very little past the mouth. The extensive tidal flats are used by shorebirds for foraging and water birds shelter in the calm of this bay.

**SEASONAL and SPECIAL RESOURCE CONCERN**

This is an A-priority site all year due to the extensive marshes. Several Special Status Species occur here including two endangered species. These marshes and the adjacent tidal flats are heavily used by migratory shorebirds and waterfowl from September through April.

**RESOURCES OF PRIMARY CONCERN**

The primary habitats of concern are the pickleweed marsh and the fronting sheltered tidal flats. Both are natural collection sites and both would be exceedingly difficult to cleanup or rehabilitate. The flats and the becalmed bay are important habitat for birds for foraging and resting particularly during the wintering period.

The flats are feeding habitat for shore birds. and embayment is resting habitat for waterbirds (particularly during rough weather), including ducks, loons, grebes and gulls. The marsh is habitat for marsh birds including the endangered California clapper rail.

Endangered saltmarsh harvest mouse inhabits the pickleweed marsh.

The mudflats have an extensive infauna and a wide variety of fish forage here during high tides.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

Contact the California Dept of Parks and Recreation - Office of Historic Preservation (Eric Allison -(916) 653-9125), and the Northwest Information Center, (Bryan Much, Sonoma State College ((707) 332-1117)) for specific information on historic or cultural resources in this area.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
E/T	Brooks Island Park Supervisor	East Bay Regional Park District	(510) 881-1833
E	EBRPD Dispatch EBRP	East Bay Regional Park District	(510) 881-1833
E/T	Shoreline Park Supervisor	East Bay Regional Park District	(510) 544-3172

**ADDITIONAL SITE SUMMARY COMMENTS:**

## 2-480 -A Site Strategy - Albany Marsh

County and Thomas Guide Location

Contra Costa

NOAA CHART

18649/18650 Entrance to SF Bay

## 2-480 -A

Latitude N

3 7 54

Longitude W

122 19

Last Page Update : 10/12/2015

### CONCERNS and ADVICE to RESPONDERS:

The concern here is the back bay which has extensive shallow mudflats and pickleweed marshes which have endangered species and lots of bird use. The habitat is very sensitive and almost impossible to cleanup. Keep oil from entering the mouth of the bay and/or to divert it to shore near the mouth for collection. Please stay off the marsh and mudflats and avoid trampling vegetation or oil into muds.

### HAZARDS and RESTRICTIONS:

The water is reasonably deep at the mouth, but becomes progressively shallower as you proceed inward to shore. Beware of possible obstructions.

### SITE STRATEGIES

As with several other shallow embayments in SF Bay, there is little tidal flow into this bay and simple exclusion booming is possible. In general flood flow tends to favor the Pt Isabel side and result in a slight outflow on the south side. There is an abrupt shallowing shelf inside as indicated in charts: operations inside may not be possible during low water. There are skimming opportunities at each shore depending on wind direction and boom set.

#### Strategy 2-480.1 Objective: Exclude oil from embayment on west or northwesterly winds.

Deploy boom from the northern tip of Albany Bulb to Pt. Isabel: 1500' 9X9+ Hboom. Use a minimum of 5 anchors. One every 150 to 200ft starting 200ft from Point Isabel. Use concrete blocks on shoreline for anchor points. Leave loose boom at each shoreline anchorage to maintain boom seal when tide is low. In most conditions a second layer of boom will be required to intercept and exclude oil washed over the first layer by wave actions (see 2-480.3). If potential for collection exists, establish collection pocket on Pt. Isabel, with shallow water skimmer and vac truck: double line the collection pocket: advise Incident Command.

#### Strategy 2-480.2 Objective: Exclude oil from embayment on southwesterly winds.

Deploy boom from the Golden Gate Fields Peninsula to Pt. Isabel: 1700' 9X9+ Hboom. In most conditions a second layer of boom will be required to exclude oil washed over the first layer by wave actions (see 2-480.3). If significant oil possible: establish collection pocket on Golden Gate Fields Peninsula and deploy shallow water skimmer and vac truck : double line the collection pocket.

#### Strategy 2-480.3 Objective: Backup initial exclusion strategy when strong winds or wave conditions are likely to move oil past initial exclusion deployment.

Repeat the deployment with a second deployment (1,500 ft for 2-456.1 or 1,700 ft for 2-456.2) of swamp boom. Front the deployment with sorbent (1500-1700' sorbent).

#### Strategy 2-480.4 Objective: Skimming when skimmable thicknesses of oil are present.

A skimming pocket will be necessary to keep oil from getting behind exclusion and to ensure that collection oil is focused to skimmer. Back the skimming pocket with sorbents (or Oil Snare if oil is group 4 or 5). Shallow water skimming head will be needed. Whether skimming with 2-456.1 or 2-456.2 exclusion, in both situations the backup exclusion is advisable (2-456.3).

### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
2-480.1	1500			100	8 22#+ /danforths	2	2		very shallow Bboats	11	
2-480.2	1700			100	9 22#+ /danforths	2	1	1 shallow		8	
2-480.3		3200		1700	6 22#+ /danforths	1	1		very shallow draft vessels	5	
2-480.4	0	200	0	200	3 6#+ anchors	0	1	1 SSS 0		2	2

### LOGISTICS

#### **DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

There is access to this area from Pt. Isabel Regional Park: From I-80 or I-580 just south of Richmond, exit on Central Ave and drive bayward to Pt. Isabel. There is access on the south shore though Golden Gate Fields at Buchannon St exit. This site includes the embayment and tributary marshes between the Pt. Isabel and the Golden Gate Fields peninsula. This site is managed by East Bay Regional Park District (EBRPD).

**LAND ACCESS:** access good all types except on marshy margin

**WATER LOGISTICS:** Very shallow particularly toward back. Beware, obstructions

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Launching and moorage at Richmond Marina and Berkeley Marina.

#### **FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

Full facilities at both Richmond and Berkeley. Boom can be delivered to either shoreline.

COMMUNICATIONS PROBLEMS: none known

ADDITIONAL OPERATIONAL COMMENTS:

**2-480 -A Strategy Diagram- Albany Marsh**

**2-480 -A**

