

County: **San Francisco**
 USGS Quad: **San Francisco North**

Thomas Guide Location

Latitude N
 37 48.3
 Longitude W
 122 27.3

NOAA Chart: **Entrance to San Francisco Bay 18649**

Last Page Update : 9/15/2005

SITE DESCRIPTION:

Crissy Field Tidal Marsh is a restored wetland at the east end of Crissy Field and includes a tidal channel which opens to San Francisco Bay at the east end of the marsh. This wetland lies within Golden Gate National Recreational Area (GGNRA). It was constructed and opened to tidal exchange in 1999. It is being revegetated with native species. It is an uncommon habitat for waterbirds and shorebirds in an urban habitat, thus, has great value as a resting area. The tidal inlet has silted in remarkably and has not yet scoured a low flow channel. There is a large community focus and investment in this marsh.

SEASONAL and SPECIAL RESOURCE CONCERN

Marshes have " A " sensitivity and protection priority year-round.

RESOURCES OF PRIMARY CONCERN

This is a restored tidal marsh. Native species are being established. Tidal marshes are very vulnerable to oil impacts

This marsh is important resting and foraging habitat for aquatic birds. It is particularly important bird habitat in an otherwise urban setting.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

This is a cultural/historic site. For specific information on historic or cultural resources in this area, contact the GGNRA main office, cultural resource specialist, 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	GGNRA Dispatch	US National Park Service, Golden Gate (NRA)	(415) 561-5505
E/T	Daphne Hatch	US National Park Service, Golden Gate (NRA)	(415) 289-1840
E/T	Vika Sirova	US National Park Service, Golden Gate (NRA)	(415) 561-4731
E/T	Kristen Ward	US National Park Service, Golden Gate (NRA)	(415) 289-1846

ADDITIONAL SITE SUMMARY COMMENTS:

2-403 -A Site Strategy - Crissy Field Tidal Marsh

County and Thomas Guide Location

San Francisco

NOAA CHART

Entrance to San Francisco Bay 18649

2-403 -A

Latitude N

Longitude W

37 48.3 122 27.3

CONCERNS and ADVICE to RESPONDERS:

Last Page Update : 9/15/2005

The concern is to keep oil from entering the marsh by excluding it at the tidal entry channel. Avoid disturbing wildlife and tracking oil around the site. This is a high visibility site with a lot of public awareness. Contact to advise of response activities: 415-561-5505 (park dispatch).

HAZARDS and RESTRICTIONS:

Be aware of swift currents.

SITE STRATEGIES

Strategy 2-403.1 Objective: Primary: Exclude oil from entering the mouth

Exclude oil from entering the mouth of the tidal channel using a shallow lopsided chevron boom deployment. Anchor boom to shore west of the tidal mouth and angle out at about 45 degrees with 100 ft boom and then angle back to shore east of mouth using 200 ft of boom. Be sure to provide for a boom seal which will keep oil from getting around the shore boom ends at low tide. Under some tides this can be deployed from shore without a skiff.

Strategy 2-403.2 Objective: Back-up: exclude / collect: capture of oil which escapes past primary protection

Deploy deflection to shoreside collection in the tidal channel. Currents in the tidal channel are swift (can exceed 2 knots). Deploy riverboom (swamp boom) (300') at a very slight angle to collect oil on the east bank of the channel. Use mid boom anchor(s) and lines to keep boom from forming catenary curves (and promoting entrainment of oil). Establish a skimming pocket and backup collection boom (100' swampboom) to confine accumulating oil and allow collection. Back with sorbent. This deployment should be done from land: with the permission of Golden Gate National Park, you may drive right to the location. There is a foot bridge across the channel, and the channel is very shallow or empty at some tides.

Strategy 2-403.3 Objective: Exclude by berming with onsite substrate

Using sand at the mouth of the channel and seaward of riprap, construct a berm with a culvert to permit tidal exchange. Make provision to block-off culvert if oil threatens. Contact GGNRA about front-end loader and culvert which may be available in the park.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	tvpe and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
2-403.1		300			3	12+/danforth & stakes		1				3	
2-403.2		400		300	3	3/22+/danforth & Stakes & line	0	0	1		vac truck	2	
2-403.3	0	0	0	0	0		0	0	0		skiploader and culvert	3	

LOGISTICS

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

By land, Crissy Field is just east of the Golden Gate Bridge and is just north of Hwy 101. The wetland is at the east end of Crissy Field. By boat, the opening to the wetland is about a half mile west of Marina Park. Crissy Field Tidal Marsh is a restored wetland at the east end of Crissy Field and includes a tidal channel which opens to San Francisco Bay at the east end of the marsh. This wetland lies within Golden Gate National Recreational Area (GGNRA).

LAND ACCESS: All equipment types with Park Service authorization

WATER LOGISTICS: good depth

Limitations: depth, obstruction

Launching, Loading, Docking Nearest marina is Gas House Cove one mile to the east.
and Services Available:

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

Crissy Field is a possible staging area for local activities - contact Golden Gate National Recreation Area

COMMUNICATIONS PROBLEMS: none known

ADDITIONAL OPERATIONAL COMMENTS:

