

County: **Solano**

Thomas Guide Location

Latitude N

Longitude W

USGS Quad: **Fairfield South, Vine Hill**

3 8 04

122 02

NOAA Chart: **18656 Suisun Bay**

Last Page Update : 1/1/2000

**SITE DESCRIPTION:**

This site includes all of Roe Island and is US Navy property. Roe Island is a marshy island in Suisun Bay which is predominantly a high tidal marsh with high seasonal ponds, supporting a rich diversity of marsh plants. The island has never been diked. There are two tidal channels which enable circulation from Suisun Bay to the interior of the island, with multiple branches and associated wetlands. There are shallow shoals on east and west ends. Protected margins and channels have emergent vegetation. Most of the shoreline is wave washed and eroding. Contact Concord Naval Weapons Station regarding access and biological information.

**SEASONAL and SPECIAL RESOURCE CONCERN**

The marsh is "A" priority all year. Sensitive species of plants and animals occur here.

**RESOURCES OF PRIMARY CONCERN**

The island has predominantly high marsh. Most of the shoreline is exposed to wave action and is eroding which are difficult to protect. The tidal channels can convey oil to interior areas. There are several areas around the island margin which are protected from aggressive waves and have emergent marsh vulnerable to oiling (northwest margin and east end.)

This site has diverse marsh breeding habitat for a variety of birds including the threatened black rail and the Suisun song sparrow. It is important also to migratory birds and waterfowl.

This is potential habitat for the endangered saltmarsh harvest mouse, though there are no recorded collections.

Among the rich diversity of plant found here are the rare plants Mason's lileopsis and Delta tule pea.

**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
	Richard Bicknell Supervising Ranger	US Navy, Concord Naval Weapons Station, Enviro	(925) 246-4024
	Grizzly Isl W/L Refuge	Baylands Nature Preserve	(650) 617-3156
		CA Dept. of Fish & Wildlife	(707) 425-3828

**ADDITIONAL SITE SUMMARY COMMENTS:**

## 2-631 -A Site Strategy - Roe Island

County and Thomas Guide Location

Solano

NOAA CHART  
18656 Suisun Bay

## 2-631 -A

Latitude N Longitude W

3 8 04 122 02

Last Page Update : 10/1/2005

### CONCERNS and ADVICE to RESPONDERS:

The primary concern is to exclude oil from entering the tidal channels which lead to the interior. Secondly, deflect oil away from exposed shoreline where oil will be washed on shore. Minimize trampling of shoreline and marsh vegetation: very small endangered plants are all along the shoreline. This island supports rich and varied plants species, but its high elevation reduces risk of oil reaching the interior of the island except on very high tides.

### HAZARDS and RESTRICTIONS:

Very shallow water around island limits access.

### SITE STRATEGIES

Strategy 2-631.1 Objective: Exclude oil from entering tidal channels and penetrating interior of island.

There are two tidal channels which circulate to the interior of the island with multiple branches and associated wetlands. Exclude oil from tidal channel at Northwest margin by chevron exclusion boom.

a) At the most westerly at northwest side, use 500' swamp (river) boom in a chevron "V" backed with sorbent boom. Water in this area is very shallow: airboat, hovercraft or booming on very high tides will be necessary.

b) On the north side of the island at about the middle of the island, deploy 100 of 8X8+ harbor boom in an exclusion chevron "V" with ends well upstream and down stream from opening. There are pilings around the mouth, and water is fairly deep at and along this opening. Heavier anchors may be required here.

Strategy 2-631.2 Objective: Deflect booming at west end of island.

Deflection Booming: Deploy 3000 of harbor boom in a chevron near the west end to protect vulnerable and sensitive sites at the western end of the island by deflecting oil past the island to north and south. Use heavy anchors (75 lbs.) Deploy boom as close to island as possible: there is a relatively deep channel close to the west tip.

### 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
2-631.1	100	500		300	6 3/12#+/danforths & stakes	0	1		very shallow boat, draft airboat or hovercraft &	2	
2-631.2	3000				7 7/75+/danforth + 20 heavy chain	3	1			9	

### LOGISTICS

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

Access site only by water. Roe Island is located in Suisun Bay north of the USN Concord Naval Weapons Station and is USN property. This site includes all of Roe Island and is US Navy property.

**LAND ACCESS:** none, access by boat & foot traffic

**WATER LOGISTICS:** very shallow water at NW and E

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Launching at Martinez, Benicia and McAvoy-Harris' Marinas in Bay Point , with boat services. Launch only at Tosco - Pacheco Creek and Concord Navel Weapons Station (tug wharf) by consent only.

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

Deploy from Martinez Marina, Benicia Marina or from McAvoy/Harris' Yacht at Bay Point (West Pittsburg) depending on the zone of impacts and response activity.

**COMMUNICATIONS PROBLEMS:** none known

**ADDITIONAL OPERATIONAL COMMENTS:**

