

County: Solano**ACP Division/Segment:** SO - F - S001 SO - F - S002**NOAA Chart:** 18656 Suisun Bay**Map Book:****Decimal Degrees:** 38.072624 -122.034415**Site Description:**

This site includes all of Roe Island which is US Navy property. Roe Island is a salt-marsh island in Suisun Bay which is predominantly a high tidal marsh with high seasonal ponds, supporting a rich diversity of salt-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.

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

9B Vegetated low banks

8B Sheltered solid man-made structures

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	California black rail	FP, ST	Year-round	Mar-Aug
Birds	common yellowthroat	FP, SSC	Year-round	Jun-Aug
Fish	longfin smelt	ST	Year-round	Nov-May
Fish	delta smelt	FT, SE	Year-round	Mar-May
Mammals	salt-marsh harvest mouse	FE, SE	Year-round	
Plants	Mason's lilaeopsis	SR	Year-round	Apr-Nov
Plants	Delta tule pea	SSSP	Year-round	May-Jul
Reptiles	giant garter snake	FT, ST	Year-round	Jul-Oct

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	/24 hour number	US Army, Concord Military Ocean Terminal	(925) 246-4182
E	/24 hour number	US Army, Concord Military Ocean Terminal	(925) 246-4075
E	/24 hour number	US Army, Concord Military Ocean Terminal	(925) 246-4041
E	/24 hour number	US Army, Concord Military Ocean Terminal	(925) 246-3911
E	/Office	US Navy, Concord Naval Weapons Station	(925) 246-4041
S	/Dispatch, 24-hr	Contra Costa County Office of the Sheriff	(925) 646-2441
T	/Office	Audubon Society, Solano County Chapter	(707) 643-7089
T	/Environmental Program Manager	CA Dept. of Fish & Wildlife, Bay Delta Region	(707) 576-2837
T	/Wildlife Area Manager	CA Dept. of Fish & Wildlife, Grizzly Island WR	(707) 738-3485
T	/Oil Spill Point of Contact	NOAA National Marine Fisheries Service	(707) 480-3496
T	/Restoration Ecologist	US Department of Agriculture	(530) 304-2304

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:

The prime concern is to exclude oil from entering the tidal channels which lead to the interior salt-marsh. Secondly, deflect oil away from exposed shoreline where oil will be diverted to a collection point. Minimize trampling of shoreline and marsh vegetation: several endangered species 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.

Hazard and Restrictions:

Very shallow water around the entire island limits access. Submerged pilings near shoreline.

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

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

Strategy: 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 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 9X9+ 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.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		100	feet	
Boom	Swamp	6x6 inch		500	feet	
Boom	Sorbent			300	feet	
Anchor	Danforth	22 lb		5		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

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

Strategy: 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 western tip (Preston Point).

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		3000	feet	
Anchor	Danforth	75 lb		7		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Logistics:

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

Land Access: Access only by boat & foot traffic.

On-Water Limitations: Very shallow water. Launching at Martinez, Benicia and McAvoy-Harris' Marinas in Bay Point, with boat services. Launch only at Tosco - Pacheco Creek and Concord Naval Weapons Station (tug wharf) by consent only.

Facilities, Staging Areas, Command Posts, Available Equipment: Deploy from Martinez Marina, Benicia Marina or from McAvoy's Marina at Bay Point (West Pittsburg) depending on the zone of impacts and response activity.

Communications Problems: Good cell reception.

