

County: **Solano**
 USGS Quad: **Honker Bay / Vine Hill**

Thomas Guide Location

Latitude N

Longitude W

38 08.8

121 59.5

NOAA Chart: **18656 Suisun Bay/Roe Island & vicinity**

Last Page Update : 9/4/1997

SITE DESCRIPTION:

This site includes the marshy islands off the mouth of Noyce Slough at the west edge of Dutton Island and east to include the mouth of Champion Slough. The property owners are the Grey Island Duck Club and the Wheeler Island Duck Club. The inner levee is rip rapped with intermittent emergent marsh. The levee is fronted with either a barrow channel or historic slough channels leaving an intermittent border of emergent marsh berm islands. These inlands and sloughs have extensive emergent undiked marsh and convoluted perimeters with habitat varying from pristine to high quality (> 5 miles). Several duck club docks are present.

SEASONAL and SPECIAL RESOURCE CONCERN

These marshy margins have A-protection sensitivity always.

RESOURCES OF PRIMARY CONCERN

These marshy islands and margins have the highest protection priority at all times, and oil must be excluded at entries to small sloughs and barrow channels. These marshy areas are prime habitat for most marsh dwelling species.

This is prime marsh bird and waterfowl habitat. Bird Sensitive Species include Suisun song sparrow and possibly, threatened black rail.

These emergent marshes are inhabited by semi-aquatic mammals such as river otter, raccoon, beaver and muskrat.

These waters are used by adults and juveniles of the various Delta species, including sensitive species: Delta smelt, longfin smelt, and winter-run chinook; major fish stocks move through this area: salmon, steel head, sturgeon, striped bass, and American shad.

The emergent marshes here are typical tule-sedge mix with some cattail.

Several sensitive plants occur here: Mason's liliopsis, Suisun marsh aster.

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
BTELO	Grizzly Isl W/L Refuge	CA Dept. of Fish & Wildlife	(707) 425-3828
	Eric Larson	CA Dept. of Fish & Wildlife, Bay/Delta	(707) 944-5528
	Staff Office	Suisun Resource Conservation District	(707) 425-9302

ADDITIONAL SITE SUMMARY COMMENTS:

2-668 -A Site Strategy - Dutton Island

County and Thomas Guide Location

Solano

NOAA CHART

18656 Suisun Bay/Roe Island & vicinity

2-668 -A

Latitude N

Longitude W

38 08.8 121 59.5

CONCERNS and ADVICE to RESPONDERS:

Last Page Update : 1/15/2007

This locale is important both because it is a point where oil threatening to move into Honker Bay can be intercepted and directed to shore collection, and also because there are extensive marshy islands and channels. Prime concern is intercepting oil threat to Honker Bay. Secondary issue is closing off side channels and marshes. Responders should minimize trampling of marsh and tracking oil into marshes and sediments. Small endangered species are underfoot.

HAZARDS and RESTRICTIONS:

There are shallows and obstructions along shore and inside the barrow channels.

SITE STRATEGIES

There are very strong currents and great depths in Suisun Cut.

Strategy 2-668.1 Objective: Exclude oil from entering barrow channels and slough entrances.

There are 2 openings at the east end (a: Noyce Sl): 600'4X4+Hboom and 3X(50' 4x4+) for the levee channel (beware of rocks). Verify that the westerly barrow channel has been blocked with 50' 4X4+ (opposite Freeman Is per Simmons Island SS). Champion Slough exclusion requires 1000' 4X4+ at levee channel (b) just east of duck club pier and 600' and 100' 4X4 at opening (c) at east extreme mouth.

Strategy 2-668.2 Objective: Exclude by Diversion to Collect at shore line: If heavy oil is threatening Honker Bay and shorelines

Deploy exclusion/deflection boom at the best angle to divert oil out of Suisun Cutoff to Dutton Isl shoreline for shoreside skimming system (SSS) recovery. Depending on prevailing winds, plan shoreside recovery location either (a) at levee east of mouth of Noyce Slough (opposite Freeman Isl) or less preferable (b) at the duck club (opposite Snag). Deploy 1500' 9x9+ Hboom in a favorable array and angle to direct oil out of swift current to quiet shore waters. Cascade as necessary. Repeat if oil is likely to escape (a second length of 1500 ft of boom would be needed). Channel is deep and currents are strong: very good anchoring skills are key to the success of this deployment.

Strategy 2-668.3 Objective: Protective booming of shoreline: When prevailing wind and oil threatens to overwhelm these measures, exclusion boom to protect shoreline especially easterly.

If forgoing strategies are inadequate to keep oil off marshes, deploy exclusion booming around threatened marshfronts: this strategy can be found in Potential Oil-Spill Protection Strategies for San Francisco Bay, California. (Hayes and Montelo, 1994).

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
2-668.1	0	2500			22					12	
2-668.2	1500				4 22#+ danforths & heavy chain	2	0	1 SSS	extra line for scope	6	
2-668.3	0	6000			6/22+/danforths & stakes	6	3		hovercraft/airboat; very shallow draft Bboats	18	

LOGISTICS

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

Land access is from the private levee roads along the bay. They may be reached from Hwy 12 in Suisun City, then south on Grizzly Island road to Grizzly Island Wildlife Refuge. For further access and entry, contact Grizzly Island Wildlife Refuge (707-425-3828) or Suisun Resource Conservation District staff (707-425-9302). Nearest boat access is 3 miles southeast at McAvoy's Marina, Bay Point (9 mi to Martinez, 7 mil to Pittsburg). This site includes the marshy islands off the mouth of Noyce Slough at the west edge of Dutton Island and east to include the mouth of Champion Slough. The property owners are the Grey Island Duck Club and the Wheeler Island Duck Club.

LAND ACCESS: ALL TYPES WHEN LEVEES ARE DRY

WATER LOGISTICS: VERY SHALLOW NEAR ISLAND, OBSTRUCTIONS

Limitations: depth, obstruction

Launching, Loading, Docking Launch at McAvoy/Harris Marina at Bay Point. Pittsburg Marina. Martinez Marina.
and Services Available:

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

The duck clubs have power and good small boat docking facilities. By their permission, staging may be possible there. Otherwise stage at Grizzly Island Wildlife Refuge for land based resources. Stage at McAvoy-Harris's Yacht Club, Bay Point, or Pittsburg/ Martinez

COMMUNICATIONS PROBLEMS: none known

ADDITIONAL OPERATIONAL COMMENTS:

