

## 2-672 -A Site Strategy - Honker Bay North - Van Sickle Island Shore

County and Thomas Guide Location

Solano

NOAA CHART

SUISUN BAY 18658/18556/18656

## 2-672 -A

Latitude N

3 8 04

Longitude W

121 56.3

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### CONCERNS and ADVICE to RESPONDERS:

The marshes at the shoreline are home to many kinds of birds and animals, including some that are endangered. The major concerns are two. First, there are openings and channels through which the oil can pass and harm even greater areas behind the bay front. Second, oil can get into the front edge of the marsh. Clean up here would be extremely difficult. Harm from response actions is always a concern. Try not to "walk" oil into the soft ground. Keep in mind there are small endangered plants and animals underfoot.

### HAZARDS and RESTRICTIONS:

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

### SITE STRATEGIES

Strategy 2-672.1 Objective: Exclude/collect oil: exclude from entering Spoonbill Creek and barrow channels and divert to collection on Van Sickle Isl shore.

(site a) Deploy 800' 9x9+ Hboom from Chipps Island across the mouth of Spoonbill Creek at best angle to collect oil at the Van Sickle Shore. Establish Shore Side Skimming (SSS). Repeat deployment if currents or waves are likely to overtop or underflow collection boom.

(sites b, c, & d) Close the openings to barrow channels using two layers of swamp boom, backed by sorbent boom. Anchor close to shore leaving trailing ends to insure a boom seal at shoreline (to prevent short-circuiting past boom.)

Strategy 2-672.2 Objective: Deflect to collection site: use prevailing winds

Establish a second shore side skimming point on Van Sickle Island. Deploy deflection booms at best angle to direct oil past marshfronts to collection. Use about 1500' of 9x9+ harbor boom to direct oil to shore and about 500' to deflect oil into the pocket from the north. Line the shore with sorbents. This site has extreme shallows and obstructions - particularly at lower tides. Deployment will need to be made during higher tide phase. Boomboats capable of withstanding grounding must be used here.

Strategy 2-672.3 Objective: Protective Booming: If there is threat of heavy oiling and saturation of the marsh front, deploy protective boom coverage, when resource use will not preclude defending other sites against SO 5 and 6 impacts.

Deploy exclusion/deflection boom at the best angle fend oil past marshfront to designated collection area. Protect windward shore from approaching oil. If there is a wind chop, this may best be accomplished using two layers of 4X4 Hboom, else a single layer of 9x9+: this strategy for deployment can be found in Potential Oil-Spill Protection Strategies for San Francisco Bay, California. (Hayes and Montelo, 1994). Requires 12,000' of Hboom or tidal barrier boom.

### 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
2-672.1	800	300		300	8 8/12+/danforths	2	2	1 SSS		10	
2-672.2	2000			500	5 5/22+/danforths w chain	2	1	1 SSS	hovercraft. airboat	8	
2-672.3	12000				12 12/22+/danforths & stakes	4	6		very shallow Bboat, hovercraft/airboat	25	

### LOGISTICS

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

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 2 miles of bay frontage and marshy islands of Wheeler Island Rock Creek to Spoonbill Creek.

**LAND ACCESS:** ALL TYPES WHEN LEVEES ARE DRY

**WATER LOGISTICS:** VERY SHALLOW DRAFT < 2' NEAR SHORE.

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: McAvoy/Harris Marina at Bay Point. Pittsburg Marina. Martinez Marina. All boat services and fuel are available.

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

The duck clubs have power and good small boat docking facilities. Best staging is probably McAvoy's Marina at Bay Point. Martinez and Pittsburg would be secondary alternatives. All have full services.

**COMMUNICATIONS PROBLEMS:** none known

**ADDITIONAL OPERATIONAL COMMENTS:**

