

County: **Solano County**
 USGS Quad: **Honker Bay**

Thomas Guide Location
 Solano County
 NOAA Chart: **Suisun Bay**

Latitude N
 38 02.0
 Longitude W
 121 49.0

Last Page Update : 7/1/2015

SITE DESCRIPTION:

Site extends from its easterly mouth on Suisun Bay to about mid-point and includes openings to pocket sloughs and adjacent borrow channels. This tidal channel lies between Chips Island and Van Sickle Island. It connects Honker Bay with eastern Suisun Bay. The Creek has a strong tidal current on both ebb and flood. Expect the water to flow to the northwest, toward Honker Bay, on the ebb tide and to the southeast, toward Suisun Bay on the flood tide. The levee on the east side, Van Sickle Island, is well maintained and has a narrow dirt road on top. It may support vac trucks, although a turn around has not been identified. There are also Eucalyptus trees on this levee that can be used to anchor boom. The easterly mouth of Spoonbill Creek is an extensive marshy area. The waterway has marshy margins with openings to a borrow channel that is separated from Suisun Bay by low marshy islands.

SEASONAL and SPECIAL RESOURCE CONCERN

The site is an "A" priority year-round. Several Special Status Species occur here.

RESOURCES OF PRIMARY CONCERN

This extensive saline-fresh marsh system is good habitat for marsh birds and mammals of all kinds including the following special status species: California black rail, saltmarsh harvest mouse.

This is nesting and foraging habitat for all manner of waterfowl and marsh birds including the Special Status Species: California black rail (ST).

The marsh also supports a wide diversity of marsh mammals and other vertebrates including Special Status Species: saltmarsh harvest mouse (F/SE).

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
	John Henderson F/W Biologist	US Fish & Wildlife Service, Environmental Contam	(916) 414-6595
	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:

2-755 -A Site Strategy - Spoonbill Creek

County and Thomas Guide Location

Solano County Solano County

NOAA CHART

Suisun Bay

2-755 -A

Latitude N

Longitude W

38 02.0 121 49.0

Last Page Update : 1/15/2015

CONCERNS and ADVICE to RESPONDERS:

Major concern is transport and spread of oil to sensitive areas including Honker Bay and marshes within Spoonbill Creek as well as oil penetration of the marshes at the mouth of Spoonbill Creek.

HAZARDS and RESTRICTIONS:

Shallow water at entrance into Spoonbill Creek, submerged obstructions likely. Wind chop to three feet possible in Suisun Bay. Strong currents in Spoonbill Creek, but no chop.

SITE STRATEGIES

Strategy 2-755.1 Objective: Exclude oil from entering the southern end of Spoonbill Creek by deploying deflection boom in the Sacramento-San Joaquin River channel just south of the creek mouth.

Deploy 3000 feet of harbor boom (boom having a freeboard of not less than 8 inches and a draft of not less than 6 inches) across the mouth of Spoonbill Creek and along the north shore of the Sacramento-San Joaquin river not less than 1000 feet either side of the creek mouth. Anchor the ends of the boom well up onto the shoreline, above the high tide line if possible. Fasten an anchor to the boom near the middle of the creek mouth pull the anchor south into the river until the boom forms a shallow, taunt "V" and set the anchor.

Strategy 2-755.2 Objective: Back-up to exclusion, diversion to shore-side collection out of current (usually Chipps shore) to prevent movemnt toward Honker Bay.

Deploy 1,500 feet of swamp boom (less than 6 inches of freeboard and less than 4 inches of draft) at a shallow angle across the creek. Anchor one end of the boom on the west side of the creek. This is the oil collection and recovery point. Anchor the other end of the boom 1500 feet inside the creek mouth on the east bank of the creek. The east bank of the creek is a levee with a graded road on top. Vehicle access may be possible. The shoreline should be lined with sorbent at this point, and there must be a means of placing tension on the boom so it remains taught and straight. If any portion of the boom approaches an angle perpendicular to the current, oil will entrain and a second boom must then be deployed down current from the first.

Strategy 2-755.3 Objective: An alternative to the previous collection strategy is to collect oil entering Spoonbill Creek with a vessel mounted skimming system.

Deploy a vessel mounted, self propelled skimming system in the middle of Spoonbill creek with 500 feet of boom deployed between each bank and the skimmer in such a way as to increase the encounter rate of the skimmer and prevent oil from getting around the skimmer.

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
2-755.1	3000				5 22+ lb danforth, 30' chain, 100'	3	1			11	
2-755.2	0	1500		500	2 2	2	1			6	
2-755.3	1000			500	2 2	2	1	1 self pro			

LOGISTICS

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

Water access from west Pittsburg. Some levee access from Van Sickle Island. Take Hwy 12 to Grizzly Island Road to Van Sickle Island. Local Fish and Game warden can arrange for access over graded private roads. Site extends from its easterly mouth on Suisun Bay to about mid-point and includes openings to pocket sloughs and adjacent borrow channels.

LAND ACCESS: Van Sickle Island LEVEE ROAD

WATER LOGISTICS: DEEP EXCEPT BAR AT MOUTH

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Boat launching and other vessel services are available at several locations along the south shore of the river and Suisun Bay (northeastern Contra Costa County) including Pittsburg, Antioch, and Bay Point marinas.

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

There are several locations along the south shore of Suisun Bay that may be suitable for staging areas and field posts, including Pittsburg, Antioch, and Bay Point marinas. On the north shore, Collinsville has limited facilities but equipment can be loaded onto vessels there. There are moorage and docks and small amounts of support including water, phones, power and food.

COMMUNICATIONS PROBLEMS: none known

ADDITIONAL OPERATIONAL COMMENTS:

