

County: Solano **ACP Division/Segment:** SO - P - S02**NOAA Chart:** SUISUN BAY**Map Book:** Solano County**Decimal Degrees:** 38.053697 -121.893555**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 Chipps 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. 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 booming strategies. The easterly mouth of Spoonbill Creek is an extensive salt-marsh. The waterway has salt-marsh fringe with openings to a borrow channel that is separated from Suisun Bay by emerging salt-marsh islands.

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

9B Vegetated low banks

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	California black rail	FP, ST		Mar-Aug
Fish	longfin smelt	ST		Mar-May
Fish	chinook salmon - Winter-run	FE, SE		Oct-May
Fish	delta smelt	FT, SE		Mar-May
Mammals	salt-marsh harvest mouse	FE, SE		
Plants	Mason's lilaeopsis	SR		Apr-Nov
Plants	Delta tule pea	SSSP		May-Jul
Plants	Suisun marsh aster	SSSP		May-Nov

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
O	/Office	Suisun Resource Conservation District	(707) 425-9302
T	/Environmental Program Manager	CA Dept. of Fish & Wildlife, Bay Delta Region	(707) 576-2837
T	/Spill Response Coordinator	USFWS, SF Bay-Delta Office	(916) 799-0588

C – Cultural, Historic, Archaeological; E – Entry/Owner/Access; O – Other; S – Safety; T – Trustee; X – Exclusion or Security

Additional Site Summary Comments:

Shallow water at entrance into Spoonbill Creek, submerged obstructions likely especially at southern confluence.

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 salt-marshes at the mouth of Spoonbill Creek.

Hazard and Restrictions:

Shallow water at entrance into Spoonbill Creek, submerged obstructions likely. Wind chop to three feet possible in Suisun Bay. Strong currents in/out Spoonbill Creek.

Site Strategies:**Site Validation Level: III**

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.

Strategy: Deploy 3000 feet of Hboom 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.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		3000	feet	
Anchor	Danforth	22 lb		7		
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			7		

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

Strategy: Deploy 1,500 feet of Sboom at a shallow angle across the creek. Anchor one end of the boom on the west side of the creek at or just outside the creek mouth. Anchor the other end of the boom 1,000 to 1,500 feet inside the creek mouth on the east bank of the creek. This is the oil collection and recovery point. 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 hard boom and backed with sorbent at this point, and there must be a means of placing tension on the boom (a winch or block and tackle) 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.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		1500	feet	<i>Strategy Updated: 9/30/2015</i>
Anchor	Danforth	22 lb		4		<i>Last Test: 9/30/2015</i>
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

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.

Strategy: 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

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1000	feet	
Boom	Sorbent			500	feet	
Anchor	Danforth	22 lb		5		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
skimmer	self propelled			1		
Staff	Staff to Deploy			8		

Logistics:

Directions: Water access from west Pittsburg. Some levee access from Van Sickle Island. Take hwy 12 to Grizzly Island Road to Van Sickle Island. Local District Warden can arrange for access over graded private roads.

Land Access: Van Sickle Island levee road.

On-Water Limitations: 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, Command Posts, Available Equipment: 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 and power.

Communications Problems: Cell coverage varies.

