

2-922-A Site Summary - Indian Slough**2-922-A****County:** Contra Costa **ACP Division/Segment:****NOAA Chart:** 18661 Sacramento & San Joaquin River **Map Book:** SF Bay and Delta **Decimal Degrees:** 37.915884 -121.566809**Site Description:**

This site consists of Indian Slough from the confluence with Old River to Bixler Road, including Werner Dredger Cut to the Union Pacific Railroad. The site includes a few in-channel "islands" and areas of emergent freshwater marsh and riparian vegetation. Discovery Bay, a residential complex with numerous private docks, is located near its terminus.

Resources at Risk:*ESI and Habitat:* 6B Riprap

9B Vegetated low banks

8B Sheltered solid man-made structures

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	Swainson's hawk	FP, ST		Mar-Sep
Fish	delta smelt	FT, SE		Mar-May
Reptiles	giant garter snake	FT, ST		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	/Manager	Central Delta Water Agency	(209) 969-7755
E	/Office	Discovery Bay Marina	(925) 634-5928
O	/Dispatch, 24-hr	California Department of Water Resources	(916) 574-2714
S	/Dispatch, 24-hr	Contra Costa County Office of the Sheriff	(925) 468-4421
T	/Environmental Program Manager	CA Dept. of Fish & Wildlife, Bay Delta Region	(707) 576-2837
T	/Restoration Ecologist	US Department of Agriculture	(530) 304-2304
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:

Concerns and Advice to Responders:

The concern is two-fold: first, that oil will be transported through this site to other parts of the delta; and second, that marsh islands and margins will be come oiled. These marsh areas are sensitive and habitat to many sensitive species. There is always the concern of impacts from response and cleanup: trampling vegetation, disturbing wildlife, and tracking oil into marshes and mudflats.

Hazard and Restrictions:

Vessels beware of submerged objects and shallows at margins.

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

Strategy: 2-922.1 Objective: Deflection booming - Protect slough by deflecting oil coming down Old River.

Strategy: Keep oil in Old River by deploying 300-500 ft. sections of 9X9 Hboom from either the north or south point at the confluence, deflecting oil away from Indian Slough and back into the main current of Old River.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		500	feet	<i>Strategy Updated:</i> <i>Last Test:</i>
Anchor	Danforth	25 lb		3		
Vessel	Boom Boat			1		
Staff	Staff to Deploy			3		

Strategy: 2-922.2 Objective: Exclude oil from entering Island Slough from Old River. Recover oil near the confluence.

Strategy: On Old River, above the confluence of Indian Slough, use three 400ft legs of Hboom, set up a cascading configuration from east to west. Add extra anchors to middle leg of boom. Use the remaining 400ft Hboom to create a collection pocket on the south side of Indian Slough. Collect oil with the skimmer and/or vacuum truck from the levee.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1600	feet	<i>Strategy Updated:</i> 12/11/2017 <i>Last Test:</i> 12/11/2017
Anchor	Danforth	25 lb		18		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
skimmer	shoreside			1		
Staff	Staff to Deploy			8		

Strategy: 2-922.3 Objective: Exclude oil from impacting in-channel tule marsh islands.

Strategy: If oil is present in Indian Slough or coming from Discovery Bay, deploy 6X6 swamp boom to exclude and deflect oil away from the islands. Depending on currents and winds, sorbent boom may be satisfactory.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		3000	feet	
Anchor	Danforth	25 lb		15		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-922.4 Objective: Exclude oil from entering Discovery Bay and channel west of Discovery Bay

Strategy: Deploy 9X9 Harbor boom across east and west channel entrances to Discovery Bay. Use 300 ft at east entrance. Use 200 ft at west entrance. Deploy 800 ft from west entrance across slough channel and tule island to "Point of Timber."

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1300	feet	
Anchor	Danforth	25 lb		8		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Logistics:

Directions: Key access to the site is from Highway 4 east to Discovery Bay Blvd. Turn right on Willow Lane Road, then right on Marina Road, and left on Channel Drive to launch ramp.

Land Access: Good access from local levees.

On-Water Limitations: Low clearance on Dredger Cut. Boat launching facilities are available at Discovery Bay.

Facilities, Staging Areas, Command Posts, Available Equipment: Facilities and deployment sites can possibly be found/located along the levees of the Orwood Tract and Byron Tract or at the Discovery Bay launch ramp.

Communications Problems: Cell reception varies.

