

**2-734-A Site Summary - Dutch Slough East****2-734-A****County:** Contra Costa **ACP Division/Segment:****NOAA Chart:** 18661 Sacramento / San Joaquin River **Map Book:****Decimal Degrees:** 38.013746 -121.645933**Site Description:**

Dutch Slough from east of Marsh Creek to Sand Mound Slough including the berm islands at the mouth of Taylor Slough, Emerson Slough, and the south fork of Dutch Slough. Dutch Slough consists of a rip-rapped channel with many salt-marsh fringe habitat. Various portions of this site are very developed with private residential docks.

**Resources at Risk:***ESI and Habitat:* 8C Sheltered riprap

8B Sheltered solid man-made structures

9B Vegetated low banks

**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     |
| Plants   | Mason's lilaeopsis  | SR     |          | Apr-Nov     |
| Plants   | Suisun marsh aster  | SSSP   |          | May-Nov     |
| Reptiles | western pond turtle | SSC    |          | May-Jul     |
| 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    | /Dispatch, 24-hr               | Contra Costa Water District                   | (925) 688-8374 |
| E    | /Office                        | Dutch Island Reclamation District             | (209) 943-5551 |
| E    | /Office                        | Hotchkiss Tract Reclamation District          | (925) 684-2398 |
| E    | /24-hr number                  | Jersey Island Reclamation District            | (925) 625-2279 |
| S    | /Dispatch, 24-hr               | Contra Costa County Office of the Sheriff     | (925) 646-2441 |
| 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:**

**Concerns and Advice to Responders:**

Primary concern is stopping oil from spreading through the channel to other Delta areas. Secondary concerns are oiling of emergent marshes along margins and on channel islands and penetration of oil into riprap and into levees via animal burrows. Small endangered plants are common on Delta Islands. Minimize trampling of vegetation and oil into sediments.

**Hazard and Restrictions:**

Vessels beware of submerged objects and shallows at margins.

**Site Strategies:****Site Validation Level: II**

**Strategy: 2-734.1 Objective:** For product originating within this site, diversion to collection as close to source as possible.

**Strategy:** Use skimmers with sufficient harbor boom in V formation (estimate 1500' 6X6+) to recover oil as close to source as possible, most likely at the bridge or on either side of the tule island at the confluence of Taylor Slough and Dutch Slough. Use more than one skimmer if necessary on both sides of island or bridge.

Table of Response Resources

| Equipment | Sub-Type        | Size     | Unit | QTY  | Unit | Last Page Update |
|-----------|-----------------|----------|------|------|------|------------------|
| Boom      | Swamp           | 6x6 inch |      | 1500 | feet |                  |
| Anchor    | Danforth        | 22 lb    |      | 4    |      |                  |
| Vessel    | Boom Boat       |          |      | 1    |      |                  |
| Vessel    | Skiff or Punt   |          |      | 1    |      |                  |
| Staff     | Staff to Deploy |          |      | 5    |      |                  |

**Strategy: 2-734.2 Objective:** For oil threats from Big Break side, deploy multiply collection/exclusion booming to collect at Jersey Isl land skimming sites.

**Strategy:** Deploy 600' 6X6+ Sboom from south bank to north bank (Jersey Isl levee) for land-based collection. Use 50ft of Oil Snare (OS), 100ft of sorbent boom to collect oil that may accumulate. Contact IC if oil accumulates in skimmable quantities. Use 2-3 mid boom anchors to keep boom from lapsing into a catenary curve and encouraging entrainment. Back with sorbent boom if there is oil entrainment. Repeat as necessary.

Table of Response Resources

| Equipment | Sub-Type            | Size     | Unit | QTY | Unit | Last Page Update |
|-----------|---------------------|----------|------|-----|------|------------------|
| Boom      | Swamp               | 6x6 inch |      | 600 | feet |                  |
| Boom      | Oil Snare (pom-pom) |          |      | 50  | feet |                  |
| Boom      | Sorbent             |          |      | 100 | feet |                  |
| Anchor    | Danforth            | 22 lb    |      | 3   |      |                  |
| Vessel    | Boom Boat           |          |      | 1   |      |                  |
| Vessel    | Skiff or Punt       |          |      | 1   |      |                  |
| Staff     | Staff to Deploy     |          |      | 5   |      |                  |

**Strategy: 2-734.3 Objective:** Exclusion at east end for oil threats from Sand Mound Slough.

**Strategy:** Deploy 700' 6X6+ Sboom across mouth at Sand Mound Slough. If oil is escaping, back with second layer of boom at a more favorable angle or back with sorbent boom.

Table of Response Resources

| Equipment | Sub-Type        | Size     | Unit | QTY | Unit | Last Page Update |
|-----------|-----------------|----------|------|-----|------|------------------|
| Boom      | Swamp           | 6x6 inch |      | 700 | feet |                  |
| Anchor    | Danforth        | 22 lb    |      | 8   |      |                  |
| Vessel    | Boom Boat       |          |      | 1   |      |                  |
| Vessel    | Skiff or Punt   |          |      | 1   |      |                  |
| Staff     | Staff to Deploy |          |      | 5   |      |                  |

**Strategy: 2-734.4 Objective:** Oil Recovery with Shoreside skimming

*Strategy:* Deploy skimmer when oil accumulates in skimmable quantities. Consult with IC prior to initiate this strategy. Identify best locations for skimming/collection/removal under prevailing conditions.

Table of Response Resources

| Equipment | Sub-Type        | Size | Unit | QTY | Unit | Last Page Update |
|-----------|-----------------|------|------|-----|------|------------------|
| skimmer   | self propelled  |      |      | 1   |      |                  |
| Staff     | Staff to Deploy |      |      | 3   |      |                  |

### Logistics:

*Directions:* Several private levee roads provide limited access to island margins. Access is primarily by boat from marinas on Bethel Island or Antioch.

*Land Access:* Avoid levee roads when saturated.

*On-Water Limitations:* Water depth is good except near shorelines. Many boat launch and marine support facilities are available on Bethel Island or in Antioch.

*Facilities, Staging Areas, Command Posts, Available Equipment:* There are complete facilities/though limited facilities on Bethel Island. Brentwood, Oakley and Antioch have complete range of facilities. The Delta Sportsmen's Club house on Bethel Island may be adequate for a small IC Center.

*Communications Problems:* Good cell reception throughout area.

