

2-870-A Site Summary - Mokelumne River Mouth**2-870-A****County:** Sacramento **ACP Division/Segment:****NOAA Chart:** 18661 Sacramento & **Map Book:**
San Joaquin River**Decimal Degrees:** 38.095905 -121.569467**Site Description:**

Site extends from the mouth on the San Joaquin River approx 4 river miles upstream to the split of North & South Mokelumne River. This large river mouth has a marshy channel island in the middle of its mouth and marshy pockets to each side of the mouth. The marsh island has a shallow shoal to the south. Upstream, there are numerous berm and channel islands and emergent marsh habitat along the rip-rapped shoreline. The ebb flow out may be strong. Oil threats are from within or from a flood tide from the San Joaquin River.

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
Fish	delta smelt	FT, SE		Mar-May
Fish	longfin smelt	ST		Nov-May
Fish	steelhead - Central/Northern California	FT		Nov-Apr
Fish	chinook salmon - Winter-run	FE, SE		Oct-May
Plants	Delta tule pea	SSSP		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	/Office	Bouldin Island Reclamation District	(209) 943-5551
E	/Superintendent	Brannan-Andrus Reclamation District	(916) 952-9967
E	/Manager	Central Delta Water Agency	(209) 969-7755
E	/Office	North Delta Water Agency	(916) 446-0197
E	/Office	Webb Tract Reclamation District	(209) 943-5551
S	/Dispatch, 24-hr	Sacramento Co. Office of Emergency Services	(916) 875-6900
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:

Major concern is oiling of emergent marshes at margins and on berm islands. To do this, the strategy is to exclude oil from entering this reach of the river.

Hazard and Restrictions:

Boat traffic beware of shallows, many submerged snags and mud bars. Poison Oak.

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

Strategy: 2-870.1 Objective: Exclude oil from entering Mokelumne mouth on the flood tide by exclusion-collection booming toward eddy to west of mouth.

Strategy: From the breakwater of Korth's Marina at the west side of the Mokelumne mouth, deploy 1500' 9x9+ Curtain boom WSW to the shoal in mid-channel. This will tend to convey oil to the Andrus Island shore. Line the shore and/or preclean the shoreline and commence 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.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1500	feet	
Boom	Swamp	6x6 inch		1000	feet	
Boom	Oil Snare (pom-pom)			50	feet	
Boom	Sorbent			100	feet	
Anchor	Danforth	25 lb		5		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-870.2 Objective: Back up strategy: Diversion to collection at favorable shore-side collection and boom marina entries.

Strategy: Deploy 2000' 6x6+ collection boom at a long diagonal to a favorable collection point along the the Bouldin Island shore to encourage stranding of oil and collection at the shore. Mid-boom anchoring will be necessary to minimize catenary entrainment. Use 50ft of Oil Snare (OS), 100ft of sorbent boom to collect oil that may accumulate. Contact IC if oil accumulates in skimmable quantities.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		2000	feet	
Boom	Oil Snare (pom-pom)			50	feet	
Boom	Sorbent			100	feet	
Anchor	Danforth	25 lb		8		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-870.3 Objective: Oil Recovery by Shoreside skimming

Strategy: Deploy skimmers if oil accumulates in skimmable quantities. Consult IC prior to the initiation of this strategy.

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: Levee roads provide vehicle access from Hwy 12. Andrus Island road is paved to the mouth of the Mokelumne

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River. Water access is from a variety of marinas at or near the mouth of the Mokelumne. Channel marker at mouth is G47.

Land Access: Access site via levees in good weather.

On-Water Limitations: GOOD WATER EXCEPT SHALLOW TO WEST. Launching facilities available at mouth of Mokelumne River. Boat launch and marine support are available at Antioch, Bethel Island and mouth of Mokelumne. Launch is also at Brannon Island State Park.

Facilities, Staging Areas, Command Posts, Available Equipment: Complete support facilities at Rio Vista and Antioch. Lesser degree at Bethel Island and Mokelumne River. Staging is possible at Rio Vista, Brannon Island, Mokelumne, Bethel Island, and Antioch.

Communications Problems: Cell reception may vary.

