

2-780-A Site Summary - Lower Sherman Island - Sherman Lake Complex**2-780-A****County:** Sacramento **ACP Division/Segment:** SA - A - S01 SA - A - S02**NOAA Chart:** 18661 Sacramento / San Joaquin River **Map Book:****Decimal Degrees:** 38.047891 -121.820948**Site Description:**

Lower Sherman Island is a 3000 acre Dept of Fish & Wildlife Reserve Area which is bounded by the Sacramento River, Mayberry Slough, Mayberry Cut, Cabin Slough and the San Joaquin River. This flooded island is a network of waterways and emergent vegetation with some well developed riparian growth on the high ground. There is high ground at the west tip, and old levees along the sloughs. There are cabins on the levee along Cabin Slough (south eastern margin). On flood tides flow tends to come from the Sacramento River side and flow across the site to the San Joaquin and the opposite on the ebb.

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

6B Riprap

9B Vegetated low banks

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	California black rail	FP, ST		Mar-Aug
Fish	delta smelt	FT, SE		Mar-May
Fish	longfin smelt	ST		Nov-May
Fish	steelhead - Central/Northern California	FT		Nov-Apr
Mammals	salt-marsh harvest mouse	FE, SE		
Plants	Mason's lilaeopsis	SR		Apr-Nov
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
O	/Dispatch, 24-hr	California Department of Water Resources	(916) 574-2714
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	/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:

Delta tule pea and Suisun marsh aster are sensitive plants that occur in the area.

Concerns and Advice to Responders:

Primary concern is spread of oil from main channels of Sacramento and San Joaquin Rivers to interior of area with subsequent broad scale oiling of extensive salt-marshes. Minimize collateral impacts from cleanup: trampling of vegetation and trampling oil into sediments.

Hazard and Restrictions:

Shallows and obstructions. Aircraft beware of powerlines in the vicinity.

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

Strategy: 2-780.1 Objective: Primary: Exclusion by chevron boom for oil threat from San Joaquin River side: deflection-exclusion booming on outside

Strategy: Set a shallow deflection-exclusion in a chevron "V" configuration to encourage oil to slide past the mouth. Use 500 ft. 9X9+ Hboom with large anchor at peak apex

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		500	feet	
Anchor	Danforth	44 lb		3		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-780.2 Objective: Primary for Sacto oil threat: exclude and deflect oil away at Sacto River openings to Sherman Lake

Strategy: For oil moving from the west, set two 400' 9x9+ cascading deflection booms 30 yards west of the opening. Then deploy 3000' of 9x9+ exclusion boom across the opening. A secondary layer of sorbent boom or smaller skirted boom may be necessary depending on conditions: if wind chop is likely to lift oil over boom, then the second layer will be necessary.

Also, if oil is moving down the Sacramento along the Sherman Island shore, set collection booms and skimmers along the Sherman levee upstream from Lower Sherman.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		3800	feet	
Anchor	Danforth	22 lb		9		
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			8		

Strategy: 2-780.3 Objective: Backup to San Joaquin exclusion (2-780.1) - when oil entrains past primary exclusion.

Strategy: Deploy a collection boom inside: make a continuous pocket on the inside by lining the margins and islands with 1500' of 6X6+ Sboom. A skimmer may be permanently assigned to collection or occasionally sweep the pocket. Back with oil snare and sorbents.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		1500	feet	
Boom	Oil Snare (pom-pom)			100	feet	
Boom	Sorbent			500	feet	
Anchor	Danforth	22 lb		9		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Logistics:

Directions: Land access to the north margin of the site via levee road west off of Hwy 160 and private levee maintenance roads. By boat either use Serman Lake WL Area launch ramp at end of levee road or launch from Antioch across San Joaquin River. There is a small marina on Mayberry Slough.

Land Access: Access from Hwy 160 to levee roads.

On-Water Limitations: Boat launching is available from south shore at Antioch Marina or north corner of Sherman Lake Launch.

Facilities, Staging Areas, Command Posts, Available Equipment: Good staging/deployment site to south is Antioch Marina. To the north, the Lower Sherman Island Launch is an excellent staging/deployment area. Limited facilities including some camping are available there. Full facilities are available at Antioch.

Communications Problems: Cell reception varies in area.

