

2-786-A Site Summary - Mayberry Slough - Donlon Island**2-786-A****County:** Sacramento **ACP Division/Segment:** SA - A - S09 SA - A - S012**NOAA Chart:** 18661 Sacramento & **Map Book:** **Decimal Degrees:** 38.032727 -121.777223
San Joaquin River**Site Description:**

This site is located a mile west of the Antioch Bridge and includes Donlon Island, Mayberry Slough and Mayberry Cut. This 400 acre submerged Island is part of DFW Lower Sherman Wildlife Area. Donlon Island is a flooded island which has emergent salt-marshes with meandering channels. It has three major openings to the main channel which it borders on the south side. Mayberry Slough separates this island from Sherman Island to the north and Mayberry Cut is a parallel channel which separates Donlon Island from Lower Sherman Island (Sherman Lake). Both channels are fringed with emergent marsh and have channel islands. The margin on the San Joaquin is very porous. Currents here tend to be from the San Joaquin into these waterbodies on the ebb only.

Resources at Risk:

ESI and Habitat: 10A Salt - and brackish-water marshes
8C Sheltered riprap
8B Sheltered solid man-made structures

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	double-crested cormorant	FP		May-Jul
Fish	longfin smelt	ST		Nov-May
Fish	steelhead - Central/Northern California	FT		Nov-Apr
Fish	delta smelt	FT, SE		Mar-May
Plants	Mason's lilaeopsis	SR		Apr-Nov
Plants	Suisun marsh aster	SSSP		May-Nov
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	North Central Information Center	(916) 278-6217
E	/Dispatch, 24-hr	Contra Costa Water District	(925) 688-8374
E	/Office	North Delta Water Agency	(916) 446-0197
E	/Office	Sherman Island Reclamation District	(925) 978-0583
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:

The major concern is spreading of oil from the San Joaquin to interior salt-marshes of Donlon Island and Lower Sherman Island (Sherman Lake). This is of great concern on the ebb tide when strong currents are induced into Donlon's Island.

Hazard and Restrictions:

Shallows and obstructions at the margins and interior of the island.

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

Strategy: 2-786.1 Objective: On the EBB: Exclude / deflect oil at Mayberry Slough and Mayberry Cut mouths and at three large openings into Donlon Isl.

Strategy: a) at Mayberry Slough deploy 1200 ft. of deflection boom outside mouth from east side of mouth. B) at Mayberry Cut deploy 2 legs of 300 ft. 9x9+ deflection booms in series to the east of Mayberry Cut. Run a 200 ft. exclusion boom from the west side of Mayberry Cut (just west of levee break) to connect with the nearest deflection boom to form a chevron exclusion.

C) There are three major openings into Donlon Island Each should be protected by exclusion-deflection shallow chevron "V" boom configurations. Openings will require about 550, 100 and 350 ft; each configuration will require a secure anchor at apex to form the chevron. Each must have a backup of sorbent.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		3000	feet	
Boom	Sorbent			1000	feet	
Anchor	Danforth	22 lb		7		
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			8		

Strategy: 2-786.2 Objective: Exclude oil entry to interior of Donlon Island through porous southern levee

Strategy: Deploy 6X6+ Sboom along San Joaquin River margin of Island to stop oil from moving into island with ebb flow. Use stakes and anchors to position boom.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		4500	feet	
Boom	Sorbent			1000	feet	
Anchor	Danforth	22 lb		10		
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			8		

Strategy: 2-786.3 Objective: On the EBB at Mayberry Slough mouth : Backup deflection/exclude to shoreside collection/confinement by deflection on outside and exclusion collection inside.

Strategy: Inside mouth, divert to containment/collection at the Sherman Island shore. Use 50ft of Oil Snare (OS), 100 ft of sorbent boom to collect any oil that may accumulate. Contact IC if oil accumulates in skimmable quantities.

a) inside mouth where channel turns to northwest, 400 ft diagonal 6X6 Sboom and line shoreline collection area.

b) to the west of this catchment deploy a second 400 ft diagonal 6X6 Sboom. Back with sorbent.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		1000	feet	
Boom	Oil Snare (pom-pom)			50		
Boom	Sorbent			100		
Anchor	Danforth	22 lb		5		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

Strategy: 2-786.4 Objective: Oil recovery with shoreside skimming when heavy oil or other skimmable quantities of oil occur

Strategy: Set up a land-based skimmer on the Sherman Island levee at collections points resulting from strategy 786.3.

Table of Response Resources

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

Logistics:

Directions: There is land access to the northerly margin of this site on the adjacent levee of Sherman Island. By water, the site is northeast of Antioch about a mile from the public launch ramp.

Land Access: Access only by vessel .

On-Water Limitations: Boat launch and marine facilities are readily available at Antioch Marinas. There is a public launch at Lower Sherman Island Wildlife Area.

Facilities, Staging Areas, Command Posts, Available Equipment: There are limited facilities and camping at Lower Sherman Wildlife Area. All manner of services are available at Antioch. Good deployment sites include Sherman Island Levee, Antioch Marina, Antioch Public Ramp.

Communications Problems: Cell reception may vary.

