

**2-651-A Site Summary - Southampton Bay****2-651-A****County:** Solano **ACP Division/Segment:** SO - D - S006 SO - D - S008**NOAA Chart:** 18656 Suisun Bay**Map Book:****Decimal Degrees:** 38.066742 -122.188421**Site Description:**

The site extends from Dillon Point to the unnamed point (with dwellings) just west of Commodore Jones Point (W. 9th St). Most of the site lies within Benicia State Park though some is in private or roadside right-of-way in the most easterly portion. Benicia State Recreation Area includes Southampton Bay Wetland Natural Preserve. Southampton Bay is a shallow bay exposed to Carquinez Straits with a large prograding wetland. The bay is very shallow and is an extensive mudflat during low tides. The margin of the bay is tule-sedge. The back marsh is salt-grass and pickleweed grading to freshwater marsh in those portions receiving freshwater flow from the surrounding drainage and creek. Remnants dikes in the easterly mudflats are covered with water except at lower tides.

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

9B Vegetated low banks

8C Sheltered riprap

**List of Resources at Risk:**

	<b>Resource Name</b>	<b>Status</b>	<b>Presence</b>	<b>Sensitivity</b>
Birds	California Ridgeway's rail	FE, SE		Feb-Aug
Birds	California black rail	FP, ST		Mar-Aug
Birds	common yellowthroat	FP, SSC		Jun-Aug
Fish	longfin smelt	ST		Nov-May
Fish	delta smelt	FT, SE		Mar-May
Mammals	salt-marsh harvest mouse	FE, SE		
Plants	Mason's lilaeopsis	SR		Apr-Nov
Plants	soft bird's beak	FE, SR		Jul-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:**

<b>Type</b>	<b>Name/Title</b>	<b>Organization</b>	<b>Phone</b>
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
E	/Office	Benicia State Recreation Area	(707) 648-1911
O	/Dispatch, 24-hr	California State Parks (Dispatch)	(916) 358-1300
O	/Public Safety Superintendent	California State Parks, Diablo Range District	(925) 890-4403
T	/Environmental Program Manager	CA Dept. of Fish & Wildlife, Bay Delta Region	(707) 576-2837
T	/Oil Spill Point of Contact	NOAA National Marine Fisheries Service	(707) 480-3496
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:**

Several sensitive plant species and the Suisun ornate shrew (SSC) occur in the area.

**Concerns and Advice to Responders:**

This very shallow bay has extensive sensitive salt-marsh shoreline, which if oiled, would be nearly impossible to clean or rehabilitate. The intent is to keep oil out of the bay by deflection or, failing that, by exclusion/protection booming along the marshfront. Respond in shallows only at high tide with very shallow boats or airboat/hovercraft. Avoid trampling vegetation and beware of trampling oil into muds. Site managed by CA State Parks, coordinate with them for access to salt-marsh.

**Hazard and Restrictions:**

The bay is extremely shallow at its margins and recesses. There is a remnant of an old dike extending from the land to the east side of the bay (near the dwellings). Aircraft beware of high power wires in the area.

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

**Strategy: 2-651.1 Objective:** On Flood tide, deflect boom past the site on the current contour line.

**Strategy:** Deflection Booming: To keep oil in the main channel where it is accessible to the skimmers, deploy 1200 ft of deflection boom extending easterly along the 20 foot isobar from Dillon Point to deflect oil away from Southampton Bay and back into Carquinez Strait on the flood tide. Deflection boom should also be deployed to the east of Southampton Bay to deflect oil away from the Bay and into Carquinez Strait during the ebb tide. Benicia Point appears to be a logical location from this boom. Recommended 600 ft of boom be deployed along the southeast side of the islands off this point and extend 600 ft northwesterly (285-T) from Daymark #23 along the 20 foot depth line.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		1200	feet	
Anchor	Danforth	25 lb		5		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			5		

**Strategy: 2-651.2 Objective:** Protective booming of salt-marsh exposure. The main focus of protection should be the inner marsh.

**Strategy:** Deploying swamp boom (6X6+) across Southampton Bay preventing oiling of the salt-marsh shoreline habitat.

West anchor: N38.064999 W122.193074, East anchor: N38.066185, W122.182742

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp Boom	6x6 inch		3200	feet	<i>Strategy Updated: 11/10/2016</i>
Anchor	Danforth	22 lb		6		<i>Last Test: 11/10/2016</i>
Vessel	Boom Boat			2		
Vessel	Skiff or Punt			2		
Staff	Staff to Deploy			8		

**Strategy: 2-651.3 Objective:** Shoreline containment and recovery with shoreside skimming

**Strategy:** The small cove immediately west of Dillon Pt. appears to be a potential containment and recovery site. Oil and debris on the gravel beach indicate it is a natural collection point, and there is vehicle access to the beach. To assist natural collection at this point, 300 ft of deflection boom extending westerly from Dillon Pt. (Daymark #21) during the flood tide or easterly from the small unnamed point approximately 1000 ft west on the ebb may be beneficial. These short lengths of boom should be set so as to direct oil into the cove. Oil may be recovered from the water with a Shoreside Skimming System (SSS) such as an oil-mop skimmer and pumped to a fast tank on beach or other methods.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	9x9 inch		300	feet	
Anchor	Danforth	22 lb		3		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
skimmer	shoreside			1		
Staff	Staff to Deploy			4		

### Logistics:

**Directions:** By boat, proceed 3.0 miles west from Martinez Marina. By land, take the Columbus Parkway Exit off Hwy 780 and drive into Southampton Bay State Park on the south side of the freeway. There is a park roadway that goes to Dillon Point.

**Land Access:** Paved road around perimeter. Gate is locked sunset to sunrise. Coordinate with State Parks for access.

**On-Water Limitations:** Extremely shallow and obstructions. Nearest launch is at Benicia Public Launch. Launch, fuel, boat services, moorage at nearby marinas at Martinez, Benicia & Crockett.

**Facilities, Staging Areas, Command Posts, Available Equipment:** Staging locales: on-site at Dillon Pt, or Benicia Public Launch. Staging areas at Benicia, Martinez, Exxon Wharf. Support services: lodging, fuel and food available at either Martinez or Benicia.

**Communications Problems:** Good cell reception.

