

6-250-A Site Summary - San Luis Rey River**6-250-A****County :** San Diego **ACP Division/Segment :** SD - C - S005 SD - C - S006**NOAA Chart :** 18758**Map Book :** 1085 J6**Decimal Degrees** 33.20206 -117.39223**Site Description:**

At the mouth of the San Luis Rey River there is a +/- ten acre marsh and wetland habitat that is used by many species of wildlife. The site for booming or berming is at the river mouth immediately downstream of the Pacific St. Bridge. The site is dynamic and therefore subject to significant change due to tides, waves, and rainy weather. Any on-site protective deployment should address the existing site morphology and weather conditions forecasted for the duration of a response.

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

3A Fine to medium-grained sand beaches

List of Resources at Risk:

	Resource Name	Status	Presence
Birds	Western snowy plover	FT	Year-round
Birds	California least tern	FE, SE	Feb - Sep
Fish	tidewater goby	FE	Variable

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	Dr. Seth Mallios/	South Coastal Information Center	(619) 594-5682
T	/	CA Dept of Fish and Wildlife	(858) 467-4201
T	On Call/Spill Coordinator	US Fish Wildlife Service Carlsbad 24 hour	(760) 607-9768

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:

Strategically Dynamic: Assess current site conditions before selecting a response strategy or ordering response equipment. A successful response at the San Luis Rey River will exclude oil from the estuary on an incoming tide by stopping oil movement with either an exclusion boom or with a berm installation, or both. There is a high value marsh just up stream of the mouth.

Hazard and Restrictions:

The river mouth is subject to high fresh water flows and flooding following severe storm events. Booming should not be attempted when the river stage is high or immediately following any significant rainfall event in the watershed.

Site Strategies:

Strategy: 6-250.1 Objective: Exclusion boom the river mouth to prevent upstream movement of oil.

Strategy: This technique calls for 800 feet of boom to be installed from the northwest edge of the channel extending upstream (east) at an angle across the river to a point near the southern foot of the Pacific Street Bridge. This strategy assumes a high river flow where the river mouth is fully open and oil is threatening to enter the estuary on the rising tide. The idea is to stop the oil from moving into the upstream area where a high value wetland marsh with significant riparian habitat is currently found. The anchoring system needed will depend upon the site conditions found at the time of any deployment. Similarly, the length of boom required could be less depending upon the flow dynamics at the river mouth.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom			800	feet	<i>Strategy Updated:</i> <i>Last Test: 4/19/2012</i>
Vessel	Boom Boat or Skiff			1		
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		

Strategy: 6-250.2 Objective: Close the river mouth by constructing a berm across the flow channel.

Strategy: Construct a berm using sand bags filled with beach sand or use heavy equipment to construct a sand berm to close the river mouth to tidal exchange. Consider installing an underflow pipe to allow upstream water to escape past the berm.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Sandbags				500		<i>Strategy Updated:</i> <i>Last Test: 4/19/2012</i>
Heavy Equipment	Front Loader			1		
Staff	Staff to Deploy			12		

Logistics:

Directions: Exit I-5 at Harbor Drive in Oceanside. Follow Harbor Dr. toward the south side of the marina and west

Land Access: All access is available. Vehicular beach access is available off Pacific Street.

On-Water Limitations: Limited to hand launch skiffs with minimal draft.

Facilities, Staging Areas, Command Posts, Available Equipment: A staging area is available at the river mouth parking lot

Communications Problems:

Additional Operational Comments: Heavy equipment may be used to close the river mouth on the downstream side of the river crossing when endangered species are not present during periods of low river flow. Nesting sites may be vulnerable to all traffic (vehicular or foot). Consult a resource biologist prior to on-scene response actions during spring

