

**4-510-A Site Summary - Schuman Creek****4-510-A****County :** Santa Barbara **ACP Division/Segment :** SB - B - S01**NOAA Chart :** 18700**Map Book :** 345 B x 10**Decimal Degrees :** 34.84556 -120.60813**Site Description:**

Special Permission required for access through Vandenberg Air Force Base (see Land Access for more info). The site extends 100 yards SE and NW from the centerline of the creek. Shuman Creek has a relatively narrow channel through the coastal dunes, which widens slightly near the beach. The mouth ranges in width from 6ft to 20ft with a depth of 3 inches to 4 feet. There is a small wetland a short distance inland. North and south of the creek mouth are extensive fine-grained sand beaches, and coastal sand dunes. There are often high winds and high-energy surf conditions. Grunion spawning occurs in the spring and summer during high tides. Abundant seabirds (including brown pelicans) and shorebirds are present. Pismo clams are found at this site. Wetland habitat and wildlife are at risk when the creek mouth is open to the ocean during rain events and/or high surf and tides.

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

9B Vegetated low banks

3A Fine- to medium-grained sand beaches

**List of Resources at Risk:**

	<b>Resource Name</b>	<b>Status</b>	<b>Presence</b>
Amphibians	California red-legged frog	FT	Year-round
Birds	Western snowy plover	FT	Year-round
Birds	California least tern	FE, SE	Apr-Sep
Fish	tidewater goby	FE	Year-round
Fish	steelhead - Southern California	FE	Year-round
Mammals	Southern sea otter	FT, SP	Year-round

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	/	Central Coast Archeological Information Center	(805) 893-2474
C	/	Native American Heritage Commission	(916) 373-3710
E	/Law Enforcement Desk (24hr)	Vandenberg Air Force Base	(805) 606-3911
E	Wayne Moses/Chief Conservation Officer	Vandenberg Air Force Base	(805) 606-6804
T	Mary Larson/Steelhead	California Department of Fish & Wildlife	(562) 537-8624
T	Rick Bush/Fisheries Biologist	NOAA National Marine Fisheries Service	(562) 980-3562
T	/	US Fish and Wildlife Service, Federal T&E Species	(805) 644-1766

C – Cultural, Historic, Archaeological; E – Entry/Owner/Access; O – Other; S – Safety; T – Trustee; X – Exclusion or Security

**Additional Site Summary Comments:**

Western snowy plovers nest from Mar-Sep and California least terns nest from Apr-Sep.

**Concerns and Advice to Responders:**

The lagoon is habitat for two T/E fish. Two T/E birds nest in the dunes and upper beaches south of the river from Mar-Sep. Animals and their associated habitat can be injured by oil and response activities unless responders minimize disturbance in the lagoon. Avoid disturbing the dunes and upper beaches, only drive vehicles on the wet sand and avoid trampling oil into sediments. Follow protective conditions from IC and resource biologists.

**Hazard and Restrictions:**

Special Permission required for access through Vandenberg Air Force Base (see Land Access for more info). Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in the Santa Barbara County area. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

**Site Strategies:****Strategy: 4-510.1 Objective:** Exclude Oil

*Strategy:* Deploy exclusion booms across the inlet to minimize the likelihood of oiling the estuary. Place the booms in a configuration that forms an adjustable oil collection pocket that can accommodate changes in flow direction. Back exclusion booms with sorbent booms to minimize leakage. Line the shorelines and any side channels within the inlet to prevent collateral oiling. If there is recoverable oil on-water, deploy sorbents and contact the IC immediately regarding the use of skimmers. Monitor, adjust, and replace booms as needed to maintain effectiveness.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp Boom			100	feet	<i>Strategy Updated:</i> <i>Last Test:</i> 10/13/2015
Boom	Sorbent Boom			80	feet	
Vehicle	ATV			1		
Staff	Staff			5		
Anchor				5		

**Strategy: 4-510.2 Objective:** Erect Filter Fence

*Strategy:* Construct a filter fence across the front of the channel where the inlet is narrowest, water flows are low or dry, the ground can receive and hold metal stakes, and the spill is heavy oil. Monitor barrier and replace pom-poms as necessary to maintain effectiveness.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Fence	Construction Fencing	4 x 100 feet		2	Rolls	<i>Strategy Updated:</i> <i>Last Test:</i> 10/13/2015
Misc.	Oil Snare (pom-pom)			80		
Stakes	T-posts		6 feet	20		
Misc.	Stake Driver			1		
Vehicle	ATV			1		
Staff				4		

**Logistics:**

*Directions:* Vehicular access, including heavy equipment is possible, from the parking lot at Minuteman Point, approx. one mile north of creek mouth, by driving along Minuteman Beach. The ATV tires will need to be deflated down to 6 psi.

*Land Access:* This site is located on Vandenberg Airforce Base. Access to beaches and land sites must be authorized through the Air Force Base. For access authorization to air base roadways, lands and shorelines responders must call the Law Enforcement Desk at 805-606-3911 and the Vandenberg AFB Conservation Office at 805-606-6804. An escort may be required in some locations.

*On-Water Limitations:* Avila Harbor is the nearest full service civilian harbor. Facilities for small vessel loading occur at the Boat House near Rocky Point just south of Point Arguello. These facilities could be utilized with permission from VAFB. However because this area is a high-energy coastline and is rocky, water access may not be feasible.

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*Facilities, Staging Areas, Command Posts, Available Equipment:* Minute Man Parking lot can serve as staging area. Call 805-606-3911 (law enforcement desk) for VAFB access information.

*Communications Problems:* Limited cell phone coverage. Hand held radios advised.

*Additional Operational Comments:* California Department of Fish and Wildlife and VAFB must be consulted before the staging of motorized equipment and heavy traffic are permitted. Due to the probable occurrence of western snowy plovers and/or California least terns at this site, please review the Sandy Beach Site Summary and Strategies (Site 4-000-A) for information on response operations when dealing with these sensitive species.

