

County: **Santa Barbara**
 USGS Quad: **Hurricane Deck**

Thomas Guide Location
 993 H x 4-5
 NOAA Chart: **18721**

Latitude N Longitude W
 34.41047 119.88126

Last Page Update : 6/30/2014

SITE DESCRIPTION:

THIS SITE IS LOCATED IN SANTA BARBARA COUNTY DIVISION N. The lagoon lies just north of Coal Oil point. This 45 acre slough contains freshwater emergent vegetation, salt marsh, tidal flats and sand dune habitats. The mouth is generally cut off from the ocean by a well developed sand berm except during heavy rainfall which is usually from January to March. The slough will then be open for a short amount of time and will close again. East and West of the slough are extensive medium-grained sand beaches backed by vegetated dunes. Large surf and strong winds are common, especially in winter. The slough is part of the larger coal oil point natural reserve, managed by the University of California at Santa Barbara. Campus Point State Marine Conservation Area is included in this site.

SEASONAL and SPECIAL RESOURCE CONCERN

Whenever the slough is open to the ocean, typically only during heavy rainfall, wetlands biota are at risk.

RESOURCES OF PRIMARY CONCERN

Intermittent coastal wetlands.

Western snowy plovers (all year), Belding's savannah sparrow, California least terns (Apr-Sep), Waterfowl, Brown pelican, Black-crowned night heron, Bald eagle, Osprey.

Southern sea otters are found offshore throughout the area.

Tidewater gobies build their burrows from March-Nov when they are at highest risk of disturbances.

California spiny lobster

Eelgrass, Surfgrass.

Ventura marsh milkvetch

Research plot resources at various habitats

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 373-3710 and State Office of Historical Preservation (916) 445-7000, and/or the Central Coast Archeological Information Center (805) 893-7341.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O	Administrator On-call	Devereux Foundation	(805) 698-1196
E	Campus Police - Dispatch 24 Hr	UCSB	(805) 893-3447
O	Environmental Health and Safety UCSB	UCSB	(805) 893-8533
T	Federally listed T/E species - Ventura Office	USFWS	(805) 402-6612
C	Lynn Gambell Coordinator	Central Coast Archeological Information Center	(805) 893-7341
E	Kevin Lafferty Co-director COP Preserve	UCSB Natural Reserve Sys. (Coal Oil Point)	(805) 685-0255
T	Kai Lampson Marine Biologist	CDFW - (Nearshore Species)	(805) 965-7216
C	Office of Historic Preservation (SHPO)	California State Parks (Sacramento Office)	(916) 445-7000
T	Becky Ota Marine Conservation Manager	CDFW Marine Protected Areas Program	(650) 631-6789
E	Cristina Sandoval Director - COP Reserve	UCSB Natural Reserve Sys. (Coal Oil Point)	(805) 451-2403
T	Steve Wertz Senior Environmental Scientist	CDFW Marine Protected Areas Program	(562) 342-7184

ADDITIONAL SITE SUMMARY COMMENTS:

REFERENCES: 1. "CALIFORNIA COASTAL RESOURCE GUIDE" AND "CALIFORNIA COASTAL ACCESS GUIDE" BY THE CALIFORNIA COASTAL COMMISSION. 2. "INVENTORY OF COASTAL WETLANDS IN SANTA BARBARA COUNTY". INTERIM REPORT. BY: R. AMBROSE. 1993. 3. PROPOSED "WESTERN SNOWY PLOVER CRITICAL HABITAT". BY: USFWS - VENTURA FIELD OFFICE. 4. "COASTAL INLET PROTECTION STRATEGIES FOR OIL SPILL RESPONSE - VOLUME 1." BY: RESEARCH PLANNING INC. 1993. 5. A*TIDEWATER GOBY 1996 DRAFT RECOVERY PLAN.

4-645 -A Site Strategy - Devereaux Slough

County and Thomas Guide Location
993 H x 4-5 Santa Barbara

NOAA CHART
18721

4-645 -A

Latitude N Longitude W
34.4105 119.88126

CONCERNS and ADVICE to RESPONDERS:

Last Page Update : 6/30/2014

USE OF MECHANICAL EQUIPMENT WILL REQUIRE PRIOR DISCUSSION WITH THE RESERVE MANAGER.

Primary spill threat from marine source. The primary objectives are to exclude oil from lagoon, pre-clean debris, and clean oil from shorelines. The lagoon is habitat for an Endangered fish. Two T/E birds nest in the dunes and upper beaches from Mar-Oct. Animals and habitat can be injured by oil/response activities unless responders minimize disturbance in lagoon, and associated vegetation; avoid disturbing the dunes and upper beaches; and only drive vehicles on wet sand; avoid trampling oil into sediments and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in the Santa Barbara County area. Check with the Santa Barbara Ocean Quality Hotline, 805-681-4949, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

SITE STRATEGIES

Strategy 4-645.1 Objective: Booming - Deploy exclusion booms across the inlet entrance to protect sensitive species and habitats when suitable berm building materials are unavailable, water flows are too great, or water depths are too great for berming.

Booming - Deploy exclusion booms across the inlet to minimize the likelihood of oiling the estuary. Place the booms in a configuration which forms an oil collection pocket which can be adjusted to 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 skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor, adjust, and replace booms at least 2 x per day to maintain their integrity and effectiveness.

Strategy 4-645.2 Objective: Berming - Prevent oil from contaminating the inlet when it is subject to tidal influence, low flows are present, and/or wave washover could occur if berm materials are present.

Berming - First, consult with resource trustees regarding wildlife issues before undertaking this activity. Build an earthen berm across the mouth of the inlet using onsite materials obtained from unvegetated areas below the high tide line to minimize damage to wildlife and habitat. Install under flow pipes in the berm to allow through flows and/or a spillway with a filter barrier to accommodate flow increases as weather conditions dictate. Cover the berm with sheet plastic to minimize erosion. Second, back the berm with swamp and sorbent booms to prevent contamination from entrainment, leakage and or washover. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor berm and associated features to maintain their integrity and effectiveness.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	Boat type and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special Equipment or comment and kinds	staff deploy	Staff tend
4-645.1		600		600	6			1	1		42 1 Stake Driver, 40 Stakes, 1 Waste Bin (20 yd), 1 Portable Oil Storage Tank OR Vacuum Truck	5	2
4-645.2		400		400	4						54 1 Front End Loader, 1 Roll Plastic, 3 Culvert Pipes, 20 Sand Bags, 15 Stakes (metal), 1 Stake Driver, 10ft Const. Fencing, 1 Waste Bin (20 yd), 1 Portable Oil Storage Tank, 1 Hand Tools		

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From U.S. 101, North of Santa Barbara, take Storke road exit - south to Isla Vista (residential district for UCSB). At the corner of storke and El Colegio roads, take slough road, south west to the reserve area parking lot.

LAND ACCESS:

A. Access - Two footpaths provide access to the slough and one footpath provides access to the beach. USE OF MECHANICAL EQUIPMENT WILL REQUIRE DISCUSSION WITH RESERVE MANAGER. If mechanical equipment is used, keep below high tide line on wet sand, keep vehicle speed under 5mph, and maintain radio communication with all vehicles on beach. All beach access will be approved by IC under recommendation from agency resource biologist.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available:

Santa Barbara Harbor is the nearest full service civilian harbor for full service berthing, launching and fueling. Response vessels could be loaded and small boats can be launched at Gaviota Pier with permission from California State Parks. Larger vessels can be loaded at Ellwood Pier with permission from Venoco and at Goleta Pier with permission from Santa Barbara County Parks.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Staging area: Coal Oil Point Reserve parking

Potential command post sites: Devereux Foundation or UCSB building. The university center scheduling office number, 805-893-3961, can provide a potential command post location on UCSB. Closest airport is in Santa Barbara, 2.5 miles east.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

Due to the probable occurrence of Snowy plovers and/or 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.

1. MONITOR STATUS OF MOUTH.
2. RESPONSE ACTIVITIES SHOULD AVOID IMPACTING FRAGILE DUNE VEGETATION.
3. UCSB HAS A COAL OIL POINT MANAGEMENT PLAN FOR DEVEREAUX SLOUGH.
4. MODERATE RECREATIONAL USE (primarily surfing) ESPECIALLY DURING SUMMER.
5. KNOWN OIL PIPELINES: Undetermined
6. KNOWN ARCHAEOLOGICAL SITES: Undetermined

FOR ADDITIONAL INFORMATION:

1. ENVIRONMENTAL SENSITIVITY INDEX (ESI) MAPS: SOUTHERN CALIF ATLAS. RPI

SPECIAL CONSIDERATIONS:

1. Federal and State Emergency permits may be required.
2. All cleanup operations in the general area should be conducted with the advice and cooperation of CDFW, U.S. Fish and Wildlife Service and the Reserve Manager.
3. Aircraft Restrictions: Santa Barbara airport traffic patterns

