

County: **Santa Barbara**
 USGS Quad: **Santa Barbara**

Thomas Guide Location
 995 E x 6
 NOAA Chart: **18721**

Latitude N Longitude W
 34.404333 119.743333

Last Page Update : 6/30/2014

SITE DESCRIPTION:

THIS SITE IS LOCATED IN SANTA BARBARA COUNTY DIVISION Q. Arroyo Burro Creek passes through steep sided bluffs, opening out into a small lagoon near the beach. The mouth can be open any time of year, but it is most commonly open during the rainy season. To the east and west are extensive beaches typically fine to medium-grained sand in the summer and bedrock, boulders, and mixed sand and gravel in the winter. Offshore are moderate kelp and surf grass beds and moderate to calm surf conditions. The Santa Barbara Mariculture Co. grows various shellfish offshore of Arroyo Burro Creek.

SEASONAL and SPECIAL RESOURCE CONCERN

Whenever the creek is open to the ocean, generally during rainy season into early summer, wetland biota are at risk. Rest of the year for seabirds, shorebirds.

RESOURCES OF PRIMARY CONCERN

CA Bank Swallow, shorebirds

California red legged frogs, southwestern pond turtle

Tidewater goby (critical habitat), CA grunion (Mar-Sep)

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
T	Federally listed T/E species - Ventura Office	USFWS	(805) 644-1766
C	Lynn Gambell Coordinator	Central Coast Archeological Information Center	(805) 893-7341
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
E	Santa Barbara County Parks Department	Santa Barbara County	(805) 568-2461
O	SB County Sheriff's Dispatch (24 Hrs)	Santa Barbara County	(805) 683-2724

ADDITIONAL SITE SUMMARY COMMENTS:

REFERENCES:

1. RPI-ESI MAPS SOUTHERN CAL ATLAS
2. COASTAL INLET PROTECTION FOR OIL SPILL RESOURCES (DFG, MSRC)
3. INVENTORY OF COASTAL WETLANDS IN SANTA BARBARA COUNTY - INTERIM REPORT. R. AMBROSE. 1993

4-660 -A Site Strategy - Arroyo Burro Creek

County and Thomas Guide Location

995 E x 6 Santa Barbara

NOAA CHART

18721

4-660 -A

Latitude N

Longitude W

34.4043

119.743333

CONCERNS and ADVICE to RESPONDERS:

Last Page Update : 6/30/2014

Primary spill threat from marine source. The primary objectives are to minimize oiling of stream and lagoon, pre-clean debris, and clean oil from shorelines. The lagoon is habitat for sensitive species. Both habitat and species can be injured by oil and response/cleanup activities unless responders minimize disturbance in stream, lagoon, and associated vegetation; 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 4-660.1 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.

Strategy 4-660.2 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 4-660.3 Objective: Sandbag Dams - Build a sandbag dam to prevent oil from polluting unoiled areas.

Sandbag Dams - Build a sandbag exclusion/containment dam using onsite materials or imported materials as directed by DFG biologist. Use clean low silt content sand. If using onsite materials obtain only from unvegetated areas. Install underflow pipes and/or a spillway to regulate water flows as conditions dictate. Closely regulate water levels to reduce 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.

Strategy 4-660.4 Objective: Shoreline Precleaning - Prevent oiling of wrack, trash, and other materials to reduce collateral contamination and disposal problems.

Shoreline Precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. Hand crews to move and store kelp, driftwood, vegetative debris, trash, and other materials above high-tide line. Dispose of trash. Replace unoiled debris in its former location once the threat of oiling is past. If heavy equipment is required for this operation, request trustee consultation and IC for authorization.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	type and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special Equipment or comment and kinds	staff deploy	Staff tend
4-660.1		300		200	6				69		1 Front End Loader, 1 Roll Plastic, 3 Culvert Pipes, 20 Sand Bags, 30 Stakes (metal), 1 Stake Driver, 10ft Construction Fencing, 1 Waste Bin (20 yd), 1 Portable Oil Storage Tank, 1 Hand Tools	5	2
4-660.2		300		300	6			1	1		1 Waste Bin (20 yd), 1 Portable Oil Storage Tank OR Vacuum Truck	5	2
4-660.3				200					225		200 Sand Bags, 1 Roll Plastic, 3 Culvert Pipes, 1 Hand Tools, 20 Stakes	5	2
4-660.4									102		1- Vehicle (4wd), 100 Trash Bags, 1 Hand Tools	5	

LOGISTICS

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

Access: from us 101 (several miles NE of downtown S.B.), exit at Las Positas (Hwy. 225) go south approx. 4 miles to Cliff Dr., turn right (west), go 1/4 mile to Arroyo Burro county beach (a.k.a. Hendry's beach) entrance. Large parking area adjacent to creek lagoon.

LAND ACCESS: Vehicular access to beach and creek mouth available behind Brown Pelican restaurant.
Access for ATV, 4-WD, and Heavy Equipment on beach.

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 State Beaches and 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:

SPECIAL CONCERNS

The California Department of Fish and Game must be consulted before the staging of motorized equipment and heavy traffic are permitted.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

