

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

Thomas Guide Location
 365 H x 7
 NOAA Chart: **18721**

Latitude N Longitude W
 34.470811 120.206413

Last Page Update : 6/30/2014

SITE DESCRIPTION:

THIS SITE IS LOCATED IN SANTA BARBARA COUNTY DIVISION I. There are two oil facilities in this small watershed. One is located north of Hwy 101 (Freeport-McMoRan) and one south of Hwy 101 (Shell Pipeline). Two intermittent streams flow into the Pacific Ocean along a small pocket beach. Cementerio Creek is the subject to oiling from a marine spill, while Alcatraz Creek is not because it discharges onto the beach through a culvert. Both creeks are subject to inland spills with Alcatraz Creek being most at risk. This site includes two small intermittent creeks located on a pocket beach seaward of the Shell Pipeline facility. Cementerio Creek, at the west side of the pocket beach, has a small intermittent wetland lagoon subject to wave washover during heavy seas. Cementerio flows to the west of the oil facilities north and south of Hwy 101. Alcatraz Creek flows through the Shell Pipeline facility and is subject to oiling from oil facilities north and south of Hwy 101.

SEASONAL and SPECIAL RESOURCE CONCERN

Cementerio Creek is a watering spot for monarch butterflies (hence the name of the off ramp from Hwy 101-Mariposa Reina).

RESOURCES OF PRIMARY CONCERN

There are patchy riparian and wetland habitats on Alcatraz and Cementerio Creeks. Eucalyptus and live oak woodlands dominate the watershed along the Freeport-McMoRan facility north of Hwy 101

Brown pelicans, Gulls, Terns and other seabirds and waterfowl.

Southern sea otters have been known to move through the area.

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
E		Shell Pipeline - Alcatraz & Cementerio Creeks	(805) 567-1126
T	Federally listed T/E species - Ventura Office	USFWS	(805) 644-1766
E	Freeport-McMoRan Cooper and Gold	Emergency Number	(805) 739-9111
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

ADDITIONAL SITE SUMMARY COMMENTS:

References: 1. "CA Coastal Resource Guide" and "CA Coastal Access Guide" by The CA Coastal Commission. 2. "Inventory of Coastal Wetlands in Santa Barbara County". Interim Report by: R. Ambrose. 1993. 3. "Status of Fishes of Southern CA with Recommendations for Preserves to Maintain Their Existence". By: Camm Swift, T. Haglund, M. Ruiz. 1990. 4. Proposed "Western Snowy Plover Critical Habitat". By: USFWS - Ventura Field Office. 5. "Coastal Inlet Protection Strategies for Oil Spill Response - Volume 1." Research Planning Inc. 1993.

4-605 -C Site Strategy - Canada Del Alcatraz & Cementario Creeks

County and Thomas Guide Location

365 H x 7 Santa Barbara

NOAA CHART

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4-605 -C

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Longitude W

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CONCERNS and ADVICE to RESPONDERS:

Last Page Update : 6/30/2014

Primary spill threats from inland and marine sources. 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. Animals and habitat 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:

A. 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.

B. Safety Considerations- Roads, trails, beach cliffs and hillsides may be unstable in wet weather. Beware of flashfloods in canyons during rainy weather, ticks, poison oak, and rattlesnakes. Beware of trains at unregulated Railroad Crossings. Care must be taken when working on beaches backed by high cliffs. Safe entries to, and exits from beaches in this area are related to tides and beach sand levels. Sand surface may be soft. YOU MAY GET STRANDED ON THE BEACH - Plan accordingly.

SITE STRATEGIES

Strategy 4-605.1 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 4-605.2 Objective: Filter Barrier - Minimize oil contamination in unoiled areas using a filter barrier when berming and booming methods are not feasible.

Filter Barrier - Construct a filter barrier across the channel or inlet when the inlet is narrow, water flows are low, the bottom can receive and hold metal stakes, the spill is heavy oil, and berming or booming methods are not feasible or necessary. Monitor barrier and replace sorbents as necessary to maintain effectiveness.

Strategy 4-605.3 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	Boom boat	Skiffs punts	Skimmers No	Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
4-605.1				40						55 50 Sand Bags, 1 Roll Plastic, 3 Culvert Pipes, 1 Hand Tools	5	2
4-605.2			40 Snar							78 60 ft Construction Fencing, 16 Stakes (metal)S, 1 Stake Driver, 1 Hand Tools	5	2
4-605.3										101 100 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 (Alcatraz and Cementario Creeks): access for Freeport-McMoRan Cooper and Gold and Shell Pipeline facilities at Alcatraz and Cementario Creeks is off us 101 at Mariposa Reina. The Freeport-McMoRan Cooper and Gold facility is north (landward) of the freeway and the Shell Pipeline facility is on the south (seaward) side of the freeway. Exit at Mariposa Reina off Hwy 101 for both Freeport-McMoRan Cooper and Gold Plant (north of 101) and the Shell Pipeline (south -seaward side of 101). Call 805-567-1654 (Freeport-McMoRan Cooper and Gold 24 Hr #) for access. Shell Pipeline Gate with phone - Call 805-567-1126 (Shell Pipeline 24 Hr.) for access.

LAND ACCESS:

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:

Pre-staged equipment: Clean Seas trailer (boom, etc) at Shell - Gaviota

Other equipment: Heavy equipment may be available from Hollister Ranch or from Shell - Gaviota Facility. Clean Seas Yard (Carpinteria) is approx. 45 miles east. County Fire Dept has a foam line next to Gaviota Pier.

Staging area: Gaviota State Beach parking lot; rest rooms available.

Potential command post sites: Field Command Post might be established at the State Beach with consent of Park Department. For larger needs consider various oil facilities in the area. Santa Barbara is approx. 30 miles east via highway 101.

Closest airport is in Santa Barbara.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

SPECIAL CONSIDERATIONS:

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. Federal and State Emergency permits may be required as listed in ACP.
2. Construction of dikes or containment basins may require an emergency coastal development permit from the California Coastal Commission. Before beginning construction dikes or basins, please contact the Coastal Commission Oil Spill Program at 415-904-5285, 415-201-5792 for emergency permit information.
3. All cleanup operations in the general area should be conducted with the advice and cooperation of DFG, U.S. Fish and Wildlife Service, State Parks personnel, and California Coastal Commission.
4. Air craft Restrictions: None known.
1. MONITOR STATUS OF CREEK MOUTH.
2. HIGH USE RECREATIONAL AREAS, ESPECIALLY DURING SUMMER.
3. KNOWN OIL PIPELINES: Chevron pipeline crosses creek approx. 1 mile inland, others are undetermined at this time.
4. ARCHAEOLOGICAL SITES: ALONG THE TERRACED BLUFFS WEST OF CREEK.

FOR ADDITIONAL INFORMATION:

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

