

4-674 -A Site Summary- Fernald Point**4-674 -A**

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

Thomas Guide Location
 997 A-B x 4
 NOAA Chart: **18725(a)**

Latitude N
 34.41889
 Longitude W
 119.61917

Last Page Update : 6/30/2014

SITE DESCRIPTION:

THIS SITE IS LOCATED IN SANTA BARBARA COUNTY DIVISION R. Fernald Point is 4 miles east of the Santa Barbara harbor. Three creeks: Romero creek, san Ysidro creek and Oak Creek, all empty out onto the beach within 2 miles of each other, and all just west of Fernald point. All three creeks are channelized with concrete walls. The mouth of Oak Creek is about 15 feet across, the mouths of the other two creeks are both about 25 feet across. The beach in the area is fine to medium-grained sand backed by low (5 to 10 ft) cobble-boulder rip-rap or sea walls that protect houses and the Miramar hotel.

SEASONAL and SPECIAL RESOURCE CONCERN

Whenever creek wetlands are open to the ocean, usually during rainy season, wetland biota is at risk.

RESOURCES OF PRIMARY CONCERN

Possibly clams in rock/sand beaches

Wetland and riparian biota in creeks

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
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 (CENTRAL COAST ATLAS)

4-674 -A Site Strategy - Fernald Point

County and Thomas Guide Location
997 A-B x 4 Santa Barbara

NOAA CHART
18725(a)

4-674 -A
Latitude N Longitude W
34.4189 119.61917

Last Page Update : 6/30/2014

CONCERNS and ADVICE to RESPONDERS:

Primary spill threat from marine source.

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 - Beware of people and animals on the beach, pedestrians, waves, slips, trips and falls, and water hazards. Safe entries to, and exits from shorelines and facilities in and around the beach are related to tides, sea conditions, and beach sand levels. When using a vehicle on the beach, sand surface may be soft. YOU MAY GET STRANDED ON THE BEACH - Plan accordingly.

SITE STRATEGIES

Strategy 4-674.1 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 4-674.2 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 4-674.3 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.

Strategy 4-674.4 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 tvpe and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
4-674.1				360					410 360 Sand Bags, 3 Roll Plastic, 9 Culvert Pipes, 36 Stakes (metal)S, 1 Stake Driver, 1 Hand Tools	8	2
4-674.2			360 Snar						333 300 ft Construction Fencing, 30 Stakes (metal)S, 2 Stake Driver, 1 Hand Tools	8	2
4-674.3									102 1- Vehicle (4wd), 100 Trash Bags, 1 Hand Tools	5	
4-674.4		360		360					176 1 Front End Loader, 1 Roll Plastic, 9 Culvert Pipes, 60 Sand Bags, 40 Stakes (metal), 2 Stake Driver, 60ft Construction Fencing, 1 Waste Bin (20 yd), 1 Portable Oil Storage Tank, 1 Hand Tools	8	2

LOGISTICS

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

Access: private residences make direct access difficult. From Hwy 101 (southeast of Santa Barbara) take the San Ysidro road exit, turn south (toward the ocean) then left on Jameson Lane, go approx. 0.3 mile to Posilipo lane and turn right. This lane is between Oak and San Ysidro creeks. Alternate route: stay on San Ysidro road as it turns into Eucalyptus Lane, and ends at a parking lot and public beach access road; approx. 0.7 mile west of Fernald Point.

LAND ACCESS: Access - Shoreline access points are limited in this area and barriers to longshore movement of personnel and equipment are highly variable and subject to tide, sea conditons and sand

levels. Most stretches of beach are accessible only through private property. Notify landowners for the need to enter. Foot, ATV, possibly 4 WD vehicles.

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. Casitas Pier located just south of Carpinteria is operated by Venoco and may be used to load response vessels with permission from Venoco.

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

SPECIAL CONSIDERATIONS

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:



Imagery: NAIP 2010 (Summer) 4-Band