

4-665 -C Site Summary- Santa Barbara Harbor**4-665 -C**

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

Thomas Guide Location
996 B-C x 5-6
NOAA Chart: **18725(d)**

Latitude N Longitude W
34.40722 119.68778

Last Page Update : 6/30/2014

SITE DESCRIPTION:

THIS SITE IS LOCATED IN SANTA BARBARA COUNTY DIVISION R. Santa Barbara Harbor to Stearns Warf, including Leadbetter Beach. Santa Barbara harbor is protected by a 0.25 mile long, south facing breakwater which is connected to a 0.25 mile long west facing sand bar. The harbor is dredged almost year round to keep it open. Stearns Wharf (approximately 0.65 miles long) is less than 0.25 mile east of the harbor entrance. Blue Revolution Aquaculture grows various shellfish 1.25 miles SE of the harbor and 0.5 miles south of the lighthouse

SEASONAL and SPECIAL RESOURCE CONCERN

All year for seabirds which congregate on the breakwater, sand bar, in the harbor, and at Stearns Wharf. March through September for snowy plovers nesting.

RESOURCES OF PRIMARY CONCERN

California least tern (Mar-Sep), Gulls, Shorebirds, Western snowy plover nesting on sand spit may occur.

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 |
| O | SB Harbor - Fuel Dock | City of Santa Barbara- Marine Fuel Supply | (805) 962-7186 |
| O | SB Harbor Patrol | City of Santa Barbara | (805) 564-5530 |
| E | Stearns Wharf Facilities | City of Santa Barbara | (805) 564-5518 |

ADDITIONAL SITE SUMMARY COMMENTS:**REFERENCES:**

1. RPI-ESI MAPS SOUTHERN CALIF. ATLAS
2. COASTAL INLET PROTECTION FOR OIL SPILL RESPONSE (DFG, MSRC)

4-665 -C Site Strategy - Santa Barbara Harbor

County and Thomas Guide Location
996 B-C x 5-6 Santa Barbara

NOAA CHART
18725(d)

4-665 -C

Latitude N Longitude W
34.4072 119.68778

CONCERNS and ADVICE to RESPONDERS:

Last Page Update : 6/30/2014

The primary objectives are to protect the harbor from wildlife and economic injuries by excluding oil. The harbor and breakwater provide important foraging and roosting habitat for T/E birds and valuable hard bottom habitat for fishes and invertebrates. It is critical to mount a rapid response to control, contain, and cleanup the spill before it affects wildlife and economic resources.

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 boat traffic, pedestrians, waves, and slips, trips and falls, and water hazards on docks, ramps, boats, breakwaters, and intertidal areas. Safe entries to, and exits from shorelines and facilities in and around the harbor 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 4-665.1 Objective: Harbor Booming - Prevent oil from entering and contaminating in-harbor channels, vessels, pilings, seawalls, rip-rap, shorelines, and sensitive species and habitats.

A. Harbor Entrance - Deploy two exclusion booms across the harbor entrance (see diagram for boom orientation). Configure boom so that the oil is deflected to sandy beach for shoreline clean-up.

B. Place a harbor boom along the inside of the outer breakwater to collect oil seeping through or splashing over rocks. Line the inside of the harbor boom with sorbent booms to minimize leakage.

C. Oil Recovery - 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. Collect oil with appropriate sorbents and or skimmers (depending on oil type, harbor configuration, and debris.)

D. Monitor and Maintain Booms - Constant monitoring and maintenance of booms will be necessary. Check for boom effectiveness and integrity, overwash, leakage problems, boom positioning, security, and sorbent replacement as necessary.

Strategy 4-665.2 Objective: Sinking/Leaking Vessels in Harbor - Prevent oil from contaminating in-harbor channels, vessels, pilings, seawalls, rip-rap, shorelines, and sensitive species and habitats. Isolate and recover oil in specific in-harbor location.

Sinking /Leaking Vessels - When a specific vessel can be identified as a source of the spill, attempt to control the source of the contamination and, if possible, contact the owner. Sinking vessels should be stabilized and/or removed from the water. Surround the leaking vessel with skirted boom backed by sorbents to minimize oiling of channels, vessels, docks, rip-rap, seawalls, and pilings. Confine the oil using skirted boom (swamp boom or larger). If appropriate add successive encirclements of containment and sorbent booms. If the vessel has sunk or sinking is imminent, remove petroleum products and other contaminants, if time and safety permit(1). If this is not possible, plug vents to fuel tanks to reduce the volume of petroleum seepage until fuel tanks and other sources of petroleum can be drained or removed. To raise or keep the vessel afloat, accumulated water may be pumped from the inside of the vessel into the boomed area so long as contaminated waste and petroleum products are not entrained in the discharge. NOTE: Marine vessels may contain several sources of pollution including, but not limited to: gasoline; diesel fuel; and/or fuel oil; lubricating oils; hydraulic oils; battery acids; and miscellaneous household and shipboard chemicals (solvents, paints, detergents, and bilge cleaners); and waste from chemical and non-chemical toilets.

Strategy 4-665.3 Objective: Inland Spill - Off water containment - Minimize amount of oil that enters the water.

Offwater Control and Containment - Control, confine, and recover as much of the oil as close to the source of discharge as possible using offstream containment and collection methods, including but not limited to: blocking down-drains and culverts with sand bag dams, sorbents, hay bales, and temporary berms. Use vacuum trucks, and/or sorbents, as appropriate, to recover and remove oil. Dispose contaminants according to waste management plan.

Strategy 4-665.4 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 oiled 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 No and kinds | staff deploy | Staff tend |
|--------------------|----------------|---------------|--------------------|--------------|----------------------------------|--------------|-----------------|---------------------|--|-----------------|---------------|
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| | | | | | | | | | |
|---------|------|------|---|---|---|-----|--|----|---|
| 4-665.1 | 4000 | 2500 | 2 | 2 | 1 | 1 | 1 Waste Bin (20 yd), 1 Portable Oil Storage Tank | 14 | 4 |
| 4-665.2 | 200 | 200 | | | | | 1 Trash Pump | 3 | 2 |
| 4-665.3 | | | | | | | | | |
| 4-665.4 | | | | 2 | | 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.)

From U.S. 101 take Castillo st. exit, follow signs to harbor. Launch ramp in marina; crane hoist at commercial dock. staging of equipment in marina parking lot or dock with permission from harbormaster. Restaurants, public restrooms, marine supplies, drydock, and other activities.

LAND ACCESS: Contact Santa Barbara Harbor Patrol for spill information, keys to access beaches, gated docks and marinas, berthing space, and boat assistance. Parking lot between Shoreline Drive and the Harbor has a parking kiosk, when entering and exiting, inform the attendant you are responding to a spill in the harbor.

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:

Launch ramp in marina; crane hoist at commercial dock. Staging of equipment in marina parking lot or dock with permission from Harbormaster. Restaurants, public restrooms, marine supplies, drydock, and other activities.

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.

