

4-790-A Site Summary - Mugu Lagoon**4-790-A****County:** Ventura **ACP Division/Segment:** VN - H - S04 VN - H - S05 VN - H - S06 VN - H - S07**NOAA Chart:** 18725(a)**Map Book:** 583**Decimal Degrees:** 34.10111 -119.09694**Site Description:**

Site bounded by Laguna Point to the NW and Point Mugu to the SW. Mugu lagoon is one of the largest coastal wetlands in the state, covering nearly 2,000 acres. The opening to the lagoon has a large boulder rip-rap seawall to the west and a highly dynamic sand spit to the east. Large surf conditions are common. The current at the entrance is typically 2-4 knots during flood and ebb tides. The lagoon is owned by the Department of the Defense and managed by the Naval Base Ventura County, Point Mugu.

Resources at Risk:*ESI and Habitat:* 10A Salt - and brackish-water marshes

9B Vegetated low banks

9A Sheltered tidal flats

6B Riprap

3A Fine- to medium-grained sand beaches

List of Resources at Risk:

| | Resource Name | Status | Presence | Sensitivity |
|---------|----------------------------|---------|------------|-------------|
| Birds | Belding's savannah sparrow | SE | Year-round | |
| Birds | California Ridgeway's rail | FE, SE | Year-round | |
| Birds | great blue heron | FP | Year-round | |
| Birds | great egret | FP | Year-round | |
| Birds | raptors | | Year-round | |
| Birds | shorebirds | | Year-round | |
| Birds | waterfowl | | Year-round | |
| Birds | California least tern | FE, SE | Apr-Sept | |
| Birds | Western snowy plover | FT, SSC | Year-round | |
| Fish | tidewater goby | FE, SSC | Year-round | |
| Mammals | harbor seal | FP | Year-round | |
| Plants | salt marsh bird's beak | FE, SE | Year-round | |
| Plants | eelgrass | | Year-round | |

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected, SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species

List of Key Contacts:

| Type | Name/Title | Organization | Phone |
|------|--|---|----------------|
| C | /Coordinator | Native American Heritage Commission | (916) 373-3710 |
| C | / | South Central Coast Information Center | (657) 278-5395 |
| E | /Naval Security (24hr) | Naval Base Ventura County | (805) 982-4591 |
| E | Dan Shide/Director of Environmental Division | Naval Base Ventura County | (805) 989-3805 |
| T | Justin Viezbicke/Marine Mammal Stranding | NOAA National Marine Fisheries Service | (562) 506-4315 |
| T | /Spill Response Coordinator | US Fish and Wildlife Service, Federal T&E Species | (805) 644-1766 |

C – Cultural, Historic, Archaeological; E – Entry/Owner/Access; O – Other; S – Safety; T – Trustee; X – Exclusion or Security

Additional Site Summary Comments:

The lagoon has been designated as an area of special significance (ASKS).

Western snowy plovers nest from Mar-Sep and California least terns nest from Apr-Sep. There is harbor seal pupping and breeding in this lagoon from December through May.

Concerns and Advice to Responders:

Primary spill threats from inland and marine sources. The primary objectives are to exclude oil from lagoon. Animals and habitat can be injured by oil and response/cleanup activities unless responders minimize disturbance in lagoon and sand dunes.

Hazard and Restrictions:

Unhealthy levels of coliform bacteria have been found intermittently in this area. Also, high levels of banned pesticides are found within the sediment and biota of the lagoon. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

Site Strategies:**Site Validation Level: III****Strategy: 4-790.1 Objective:** Exclude Oil

Strategy: Deploy boom across channels at the Ronald Regan Blvd bridge and at the channel just northeast of the entrance to the lagoon. Place the booms in a configuration that forms an adjustable oil collection pocket that can 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.

Table of Response Resources

| Equipment | Sub-Type | Size | Unit | QTY | Unit | Last Page Update |
|-----------|---------------|------|------|------|------|---|
| Boom | Swamp Boom | | | 2500 | feet | <i>Strategy Updated:</i> <i>Last Test:</i> 9/22/2009 |
| Boom | Sorbent Boom | | | 2500 | feet | |
| Anchor | Screw-in | | | 10 | | |
| Anchor | Fortress | | | 30 | | |
| Vessel | Boom Boat | | | 2 | | |
| Vessel | Skiff or Punt | | | 2 | | |
| Staff | | | | 10 | | |

Strategy: 4-790.2 Objective: Shoreline Pre-Clean: Resource Specialist Supervision Required

Strategy: 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 unoled debris in its former location once the threat of oiling is past.

Table of Response Resources

| Equipment | Sub-Type | Size | Unit | QTY | Unit | Last Page Update |
|------------|----------|------|------|-----|------|------------------|
| Staff | | | | 5 | | |
| Trash bags | | | | | | |

Logistics:

Directions: Going southbound US 101, exit #60/Rice Rd in Oxnard for 0.3 mi, turn right on Rice Rd for 4.1 mi, continue on Hwy 1 for 3.5 mi, exit Wood Rd for 0.2 mi, turn left onto Naval Air Rd for 0.5 mi, turn right into NBVC Point Mugu. Going northbound US 101, exit #55/Las Posas Rd in Camarillo for 0.2 mi, turn left on Las Posas Rd for 7.7 mi, turn right at Naval Air Rd for 1.0 mi, turn left into NBVC Point Mugu.

Land Access: There is access for foot traffic, ATV, 4-WD, and heavy equipment on the beach. Keep below high tide line on the wet sand, keep vehicle speed under 5 mph, and maintain radio communication with all vehicles on beach. All beach access will be approved by IC under recommendation from agency resource biologist. The lagoon shore is mud and depending on the tides may not be drivable.

On-Water Limitations: Port of Hueneme and Channel Islands Harbor (CIH) both support full service berth, launching, and fueling.

Facilities, Staging Areas, Command Posts, Available Equipment: Facilities and staging available on base. Coordinate with the base command.

Communications Problems: NA

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.

