MBNMS Permit Activity Report

November 27, 2002
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### MBNMS-2001-002

**Ms. Rachel Lather**  
**County of Santa Cruz**

**East Cliff Drive Cliff Stabilization**

<table>
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<th>Permit Period:</th>
<th>No permit dates entered</th>
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<tr>
<td>Type Of Permit:</td>
<td>Authorization of other agency permits</td>
</tr>
<tr>
<td>Permit Status:</td>
<td>review</td>
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<tr>
<td>Location:</td>
<td>Santa Cruz County. Seawalls in two locations, one from 33rd Avenue to 36th avenue, and</td>
</tr>
<tr>
<td>Summary:</td>
<td>Seawalls in two locations, one from 33rd Avenue to 36th avenue, and the other near the terminus of 41st Avenue.</td>
</tr>
</tbody>
</table>
| Abstract: | Seawall Details (33rd ave- 36th ave) Length of wall = 1100 feet x height of wall 35 feet ASL = a surface area of 38,500 sq. feet.  
Seawall details (41st ave) length of wall = 300 feet x height of wall 46 feet ASL = area of 13,800 sq. feet. |

### MBNMS-2002-020-A1

**Edward Thornton**  
**Naval Postgraduate School**

**Rip Current Experiments (RIPEX)**

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<th>Permit Period:</th>
<th>10/1/2002 to 9/30/2005</th>
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<tr>
<td>Type Of Permit:</td>
<td>Research related to Sanctuary resources and qualities</td>
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<tr>
<td>Permit Status:</td>
<td>amendment issued</td>
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<tr>
<td>Location:</td>
<td>offshore Sand City &amp; Marina</td>
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<tr>
<td>Summary:</td>
<td>the objectives are to measure offshore waves, rip currents, and underlying bathymetry at two energetically different sites. By Installation, maintenance, and recovery of Wave–Rider buoys and an Acoustic Doppler Current Profiler (ADCP), installing and recovering a cable 3/8-inch</td>
</tr>
<tr>
<td>Abstract:</td>
<td>the long-term measurements of waves measured by wave buoys and ADCP, breaking wave patterns to infer bathymetry and in situ bathymetry measurements are planned to better understand rip currents.</td>
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App.status: additional information needed

App.status: additional information received

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Monterey Bay National Marine Sanctuary Permits and Authorizations

**MBNMS-2002-028**

**Moss Landing Harbor Dredging Project--Non-Federal Areas**

**Type Of Permit:** Authorization of other agency permits

**Permit Period:** No start date entered; ends

**Activity:** Discharge or deposit (within the Sanctuary).

**Summary:** this permit would allow disposal of harbor sediments at the rate of 100,000 cubic yards per year slated for disposal as beach nourishment or at SF12.

**Abstract:** more info needed

**Permit Status:** awaiting USACE Public Notice

**Location:** SF 12, beach nourishment

**App.status:** additional information requested

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**MBNMS-2002-030**

**Dr. Marlene Noble**

**US Geological Survey**

**Deployment of three moorings in Monterey Submarine Canyon**

**Type Of Permit:** Research related to Sanctuary resources and qualities

**Permit Period:** 12/1/2002 to 12/31/2003

**Activity:** Discharge or deposit (within the Sanctuary).

**Summary:** Moorings are proposed in order to determine sediment transport and circulation patterns in the lower reaches of the canyon.

**Abstract:** Each mooring will be deployed in water depths from 800 to 1500m. the moorings will measure water column characteristics from below the canyon rim to the canyon bed. the moorings will be designed to determine if currents increase and water clarity decreases near the canyon bed. all moorings will have temperature, and down-ward looking Acoustic Doppler Current Profilers (ADCP) to obtain significant information on the circulation patterns.

**Location:** canyon

**Permit Status:** permit issued

**App.status:** additional information requested

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Monterey Bay National Marine Sanctuary Permits and Authorizations

MBNMS-2002-031

Dr. Stacy Kim
Moss Landing Marine Labs MLML

Characterization of the Benthic and Planktonic Communities of Elkhorn Slough for SIMoN

Permit Period: 10/1/2002 to 10/31/2007
Activity: Alteration of, or construction or placement on, the seabed.

Type Of Permit: Research related to Sanctuary resources and qualities

Permit Status: permit issued

Location: Elkhorn Slough

Summary: This work will employ researchers funded by SIMoN to develop a circulation model for Elkhorn Slough

Abstract: Cores will be collected within the elkhorn Slough. Cores are 10cm in diameter, and 15 cm deep. The cores will be taken by hand. 100 cores are expected to be collected over the next five years.

MBNMS-2002-032

Jonathan Toal
Kinnetic Laboratories Inc.

Sand City Water Supply Project
Baseline Intertidal Benthic Biota Sampling Program

Permit Period: 10/1/2002 to 2/28/2003
Activity: Alteration of, or construction or placement on, the seabed.

Type Of Permit: Research related to Sanctuary resources and qualities

Permit Status: permit issued

Location: Sand City

Summary: Baseline intertidal benthic biota sampling will be conducted to assess the status of the intertidal benthic community. sampling will be conducted along three transects. Transects will represent the predicted and 2 areas outside this zone as reference sites.

Abstract: This work will provide and assessment of whether brine discharge from the proposed Sand City desalination facility into the injection well will have any impact of fish, shellfish, and/or benthic organisms in the surf zone. it will be necessary to disturb the seabed and collect approximately 50 gallons of sand.
Monterey Bay National Marine Sanctuary Permits and Authorizations

**MBNMS-2002-033**

**Monterey Bay Aquarium Substrate Collection**

John O'Sullivan
Monterey Bay Aquarium

**Permit Period:** 10/31/2002 to 10/31/2007  
**Activity:** Alteration of, or construction or placement on, the seabed.

**Type Of Permit:** Educational, natural or historic resource value

**Permit Status:** permit issued  
**App.status:** application received

**Location:** within the Monterey Bay

**Summary:** the MBA request permission for a 5-year permit to collect substrate.

**Abstract:** Collection will be done in both the intertidal and subtidal areas of the Monterey Bay. All collections will be done in a manner that minimizes any impact on animal and plant life. Small hand tools and varied collect sites will be used.

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**MBNMS-2002-035**

**Ecological Effects of the Moss Landing Thermal Discharge**

Jim Oakden
Moss Landing Marine Labs

**Permit Period:** 10/15/2002 to 10/31/2005  
**Activity:** Alteration of, or construction or placement on, the seabed.

**Type Of Permit:** Research related to Sanctuary resources and qualities

**Permit Status:** permit issued  
**App.status:** application received

**Location:** offshore of Moss Landing

**Summary:** the proposed study will evaluate the ecosystem impacts of thermal discharge into Monterey Bay from Moss Landing Power Plant

**Abstract:** the collection of approximately 80 benthic 'coffee-can' cores or grab samples per year for 3 years from water depths of 3-4m.
Monterey Bay National Marine Sanctuary Permits and Authorizations

MBNMS-2002-036
Ocean Outfall Inspection and Maintenance

Ed Oyama
Monterey Regional Water Pollution Control

Type Of Permit: Authorization of other agency permits

Permit Period: Starts: 10/30/2002; no end
Activity: Alteration of, or construction or placement on, the seabed.

Permit Status: permit not required
Location: Ocean Outfall
Summary: to perform diver-based inspection and maintenance on our Ocean Outfall as required by the Monitoring and Reporting Program described in NPDES Permit No. 0048551.

Abstract:

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MBNMS-2002-037
Commercial Overflight at Pigeon Point Lighthouse for TV commercial

Mary Langenfeld
Baldwin Productions

Type Of Permit: Special use

Activity: Overflights below 1,000 feet in restricted areas.

Permit Status: application withdrawn
Location: Pigeon Point Light
Summary: Overflight of 400 feet above sea level ASL

App.status: application received

Abstract:
**Monterey Bay National Marine Sanctuary Permits and Authorizations**

**MBNMS-2002-038**  
Edwin Grosholz  
University of California at Davis

**Monitoring the Abundance of the Introduced European Green Crab in Elkhorn Slough**

**Permit Period:** 11/15/2002 to 8/31/2004  
**Activity:** Alteration of, or construction or placement on, the seabed.

**Type Of Permit:** Research related to Sanctuary resources and qualities

**Permit Status:** permit issued  
**Location:** Elkhorn Slough

**Summary:** to measure the relative abundance of the green crab in Elkhorn Slough

**Abstract:** monitoring will involve deploying traps at 4 sites upon the seabed in the slough for a 24-hour period

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**MBNMS-2002-039**  
Dr. Marcia McNutt  
Monterey Bay Aquarium Research Institute

**Installation of an advanced cabled observatory in the monterey bay canyon**

**Permit Period:** Starts: 11/1/2004; no end date  
**Activity:** Alteration of, or construction or placement on, the seabed.

**Type Of Permit:** Research related to Sanctuary resources and qualities

**Permit Status:**  
**Location:** Monterey Submarine Canyon

**Summary:** the MARS (Monterey Accelerated Research System) cabled observatory will include one science node on 62 km of submarine cable. Details on proposed cable installation method pending.

**Abstract:** this project proposes to install an advanced cabled observatory in order to provide a remote, continuous, ong-term, large-bandwidth infrastructure for multidisciplinart, in-situ exploration, observation, and experimentaion in the deep sea. This system will have the ability to operate over a 30-year lifetime.
Monterey Bay National Marine Sanctuary Permits and Authorizations

MBNMS-2002-040

Gregg Albright
Caltrans

CCC amendment to Caltrans permit extending permit 3-97-039-A2 for placement of rip rap between post mile 63.9 and 65.9 near Piedras Blancas to 2007

Permit Period: 8/16/2002 to 5/15/2007
Activity: Alteration of, or construction or placement on, the seabed.

Type Of Permit: Authorization of other agency permits

Permit Status: permit issued

Location: San Simeon, San Luis Obispo

Summary: This authorization is essentially an extension of permit MBNMS-2001-045 which expired 08-15-02. No expanded placement of rock is planned.

Abstract: To install rock slope protection within the intertidal zone of the Monterey Bay National Marine Sanctuary (MBNMS) adjacent to California Highway 1 milepost SLO-1-PM65.9, SLO-1-PM65.4, SLO-1-PM63.9 in San Luis Obispo County, California.