

MBNMS Permit Activity Report  
June 8, 2007

## **MBNMS-2007-014 - Pending**

**Effective Date:** 09/01/2007

**Expiration Date:** 08/31/2009

**Project Title:** "Limits to ecophysiological plasticity in dynamics environments: Sharks' use of estuarine habitats in relation to salinity changes."

**Applicant Name:** Mr. Wes Dowd

**Affiliation:** University of California, Davis

### **Project Summary:**

Acoustic receivers will be moored on the bottom of Elkhorn Slough, but they will be removed at the end of the study.

Objectives include: 1. examining the movements of leopard sharks in Elkhorn Slough in relation to salinity changes using passive acoustic telemetry techniques. 2. Interpret these behavioral movement patterns with reference to molecular and organismal physiological markers of salinity stress observed in captive leopard sharks.

### **Location Description - Proposed:**

Within the MBNMS at Elkhorn Slough...

The receiver array will span the full length of Elkhorn Slough's main channel up to Hudson's landing, and it will include several receivers within the Northeast and Southwest Channels of ESNERR.

### **Coordinates:**

### **Latest Event:**

06/07/2007 Permit issued

## **MBNMS-2007-013**

**Effective Date:** 07/04/2007

**Expiration Date:** 07/05/2010

**Project Title:** San Mateo County Harbor District's annual Independence Day fireworks display

**Applicant Name:** Mr. Dan Temko

**Affiliation:** Pillar Point Harbor

### **Project Summary:**

A maximum of 1014 aerial display shells will be ignited during the one-hour show. The aerial display will consist of shells which typically explode anywhere from 250 to 1200 feet above ground level (AGL).

### **Location Description - Proposed:**

Pillar Point Harbor

### **Coordinates:**

### **Latest Event:**

05/16/2007 Application received

## **MBNMS-2007-012 - Active**

**Effective Date:** 06/01/2007

**Expiration Date:** 12/31/2008

**Project Title:** Introduced Species Study

**Applicant Name:** Dr. Russell Fairey

**Affiliation:** Moss Landing Marine Labs/San Jose State University

### **Project Summary:**

The Marine Invasive Species Act of 2003 as specified in Chapter 491, Statutes of 2003 stipulates that the California Department of Fish and Game (DFG) will conduct several studies, including a supplemental survey to augment the baseline data of Non-indigenous Aquatic Species (NAS) that was developed under the Ballast Water Management Act of 1999. The DFG Office of Spill Prevention and Response (OSPR) is the lead for this investigation.

The proposed survey will focus on the intertidal and subtidal habitats of the open coast. This project is important for further understanding of any NAS found along the outer California coastline as well as potential vectors of arrival, which will lead to Legislative decision-making processes.

A field sampling program to investigate intertidal and subtidal communities along the exposed outer California coast was designed and conducted during the June 2004 - February 2005 period and will continue in 2007. Sampling includes the use of qualitative

### **Location Description - Proposed:**

Fitzgerald Marine Reserve - N 37.52309, W -122.51788 (these coordinates are the boundary points for our rocky intertidal samples taken during previous sampling in 2004). The coordinates for the boundary points for our sandy intertidal samples taken during previous sampling in 2004 are N 37.55889, W -122.731111. We will also be taking sandy subtidal samples from approximately the same lat/longs as previously sampled in 2004 (N 37.49457, W -122.47228

Ano Nuevo State Park – N 37.11199, W-122.32938 (these coordinates are the boundary point for our rocky intertidal samples taken during previous sampling in 2004). The coordinates for the boundary points for our sandy intertidal samples taken during previous sampling in 2004 are N 37.122222, W -122.333056. We will also be taking sandy subtidal samples from approximately the same lat/longs as previously sampled in 2004 (N 37.111, W -122.32016).

Pigeon Point State Park – N 37.18273, W -122.39123 (these coordinates are the boundary point for our rocky intertidal samples taken during previous sampling in 2004). The coordinates for the boundary point for our sandy intertidal samples taken during previous sampling in 2004 are N 37.430833, W -122.486944. We will also be taking sandy subtidal samples from approximately the same lat/longs as previously sampled in 2004. (N 37.18093, W -122.39149).

Point Sur – N 36.28136, W -121.86365 (these coordinates are the boundary point for our rocky intertidal samples taken during previous sampling in 2004). ). The coordinates for the boundary point for our sandy intertidal samples taken during previous sampling in 2004 are N 36.350556, W -121.921389. We will also be taking sandy subtidal samples from approximately the same lat/longs as previously sampled in 2004. (N 36.78189, W -121.86829).

### **Coordinates:**

### **Latest Event:**

05/25/2007 Permit signed copy received

## **MBNMS-2007-011**

**Effective Date:** 07/06/2007

**Expiration Date:** 07/06/2012

**Project Title:** RWQCB NPDES Permit No. CA0047996 for the Carmel Area Wastewater District

**Applicant Name:** Mr. Matthew Keeling

**Affiliation:** Regional Water Quality Control Board RWQCB

### **Project Summary:**

The Carmel Area Wastewater District is currently discharging treated sewage pursuant to Order No. R3-2002-026. This application is essentially a renewal of existing operations with some improvements to management practices.

### **Location Description - Proposed:**

within Carmel Bay

#### **Coordinates:**

36 32' 00" N

121 55' 43" W

### **Latest Event:**

04/04/2007 Additional information received

## **MBNMS-2007-010**

**Effective Date:**

**Expiration Date:**

**Project Title:** Car Wreckage Removal Via Helicopter

**Applicant Name:** Mr. Troy Garber

**Affiliation:** Aris Helicopters

### **Project Summary:**

Using a Sikorsky S-58 helicopter Aris plans to lift an automobile wreckage off the shoreline at the 58th mile marker along Highway 1 in Big Sur near the area known as Hurricane Point. Aris ground personnel will arrive on site at least two hours prior to the lift at approximately 0530 or 0600 to survey the site and rig items to be lifted. The aircraft will arrive on site (from Moffett Field) at approx 0800.

### **Location Description - Proposed:**

at mile marker 58 along Highway 1 within the vicinity of Hurricane Point.

#### **Coordinates:**

### **Latest Event:**

04/26/2007 Additional information requested

## **MBNMS-2007-007**

**Effective Date:** 10/01/2007

**Expiration Date:** 11/01/2007

**Project Title:** Deployment of two prototype instruments known as station keeping buoys, which harness their energy from either wind, wave, or solar energy.

**Applicant Name:** Dr. Marcia McNutt

**Affiliation:** MBARI Monterey Bay Aquarium Research Institute /

### **Project Summary:**

The goal of this project is to conduct engineering and performance tests on these buoys. Additionally there would be approximately four acoustic tests (154db).

This project is sponsored by the Defense Advanced Research Projects Agency (DARPA/ DoD) with support activities provided by MBARI.

### **Location Description - Proposed:**

within the Monterey Bay

### **Coordinates:**

### **Latest Event:**

02/09/2007 Additional information received

## **MBNMS-2007-001 - Active**

**Effective Date:** 04/11/2007

**Expiration Date:** 01/11/2010

**Project Title:** Temporary presence of two gabion walls at 12901 Cabrillo Hwy, Pescadero while residence is relocated

**Applicant Name:** Mr. Andrew Kampe

### **Affiliation:**

### **Project Summary:**

Temporary authorization for the presence of two gabion walls to replace two failed sections of an historic seawall to protect a single family residence, until such time that the residence is relocated to a safe distance from the bluff edge.

PROJECT LOCATION: 12901 Cabrillo Highway, Pescadero, San Mateo County.

### **Location Description - Proposed:**

on the beach below 12901 Cabrillo Highway, Pescadero, California

### **Coordinates:**

### **Latest Event:**

04/16/2007 Permit signed copy received

## **MBNMS-2006-032**

**Effective Date:**

**Expiration Date:**

**Project Title:** Cambria Community Services District (CCSD) Desalination Project; Proposed Geotechnical Investigation Activities

**Applicant Name:** Mr. Robert Gresens

**Affiliation:** Cambria Community Services District

**Project Summary:**

The CCSD is proposing to conduct geotechnical and hydrogeological activities within the MBNMS at San Simeon State Beach as it relates to a potential future desalination facility.

An USACE EA will be prepared for this project.

**Location Description - Proposed:**

San Simeon State Park Beach

**Coordinates:**

**Latest Event:**

12/01/2006 Additional information requested

## **MBNMS-2006-031**

**Effective Date:** 01/01/2007

**Expiration Date:** 03/01/2007

**Project Title:** USACE Federal Maintenance Dredging at Moss Landing Harbor

**Applicant Name:** Mr. Bill Brostoff

**Affiliation:** US Army Corps of Engineers

**Project Summary:**

The US Army Corps of Engineers is the lead agency for this project. The USACE completed a Draft EA for this project.

The proposed project is to remove approximately 50,000 cys of accumulated dredged material with a hydraulic cutter-head dredge or possibly a hopper dredge and discharge it either for beach nourishment or at the recently-relocated SF-12 disposal site.

**Location Description - Proposed:**

disposal of dredged material either at the beach nourishment location outside of MBNMS jurisdiction, or at SF 12.

**Coordinates:**

**Latest Event:**

11/07/2006 Additional information requested

## **MBNMS-2006-030**

**Effective Date:**

**Expiration Date:**

**Project Title:** City of Santa Cruz Pilot Desalination Facility

**Applicant Name:** Ms. Linette Almond

**Affiliation:** Santa Cruz City Water Department

**Project Summary:**

The CCC has received an application for a proposed pilot-scale desalination test facility to be constructed and operated by the City of Santa Cruz Water Department. The purpose of the proposed pilot scale facility is to allow for the gathering of information needed for the design and construction of a potential future full-scale Seawater Reverse Osmosis Desalination Plant.

**Location Description - Proposed:**

the proposed pilot-scale desalination project is located on University of California property within the City limits of Santa Cruz.

**Coordinates:**

**Latest Event:**

05/04/2007 Additional information requested

## **MBNMS-2006-019-A1 - Active**

**Effective Date:** 07/04/2006

**Expiration Date:** 07/05/2010

**Project Title:** Annual July 4 Fireworks event at Shamel Park

**Applicant Name:** Mr. Jerry McKinnon

**Affiliation:** American Legion Cambria Post 432

**Project Summary:**

Fireworks are planned to be displayed at the Shamel Park in Cambria on the beach. The fireworks will be displayed for approximately 45 minutes.

The site has been used annually for a small Independence Day fireworks display on July 4, which lasts approximately 20 minutes. The launch site is on a sandy beach at Shamel County Park, and the aerial shells are aimed to the west. Immediately north of the launch site is the mouth of Santa Rosa Creek and Lagoon. The marine venue is preferred for optimal public access and to avoid the fire hazard associated with terrestrial display sites. The fireworks display occurs at the height of the dry season in central California, when area vegetation is particularly prone to ignition from sparks or embers.

**Location Description - Proposed:**

Shamel Park in Cambria

**Coordinates:**

**Latest Event:**

06/06/2007 Amendment issued

**MBNMS-2006-009**

**Effective Date:**

**Expiration Date:**

**Project Title:** Filming of the movie "Oceans"

**Applicant Name:** Mr. Johann Mousseau

**Affiliation:** Galattee Films

**Project Summary:**

They are in the production stage of a movie entitled "Oceans" which will film ocean creatures from around the world and highlight problems facing oceans today.

ADDITIONAL INFO REQUESTED....

**Location Description - Proposed:**

within the MBNMS

**Coordinates:**

**Latest Event:**

11/22/2006 Additional information requested

**MBNMS-2006-008**

**Effective Date:**

**Expiration Date:**

**Project Title:** Sink a Wreck Project

**Applicant Name:** Dr. Harry Wong

**Affiliation:** Chiropractor

**Project Summary:**

The proponents of this project are evaluating 5-10 sites for the sinking of a decommissioned US Navy ship (approximately 300+ feet in length) within the MBNMS. Their ideal location would allow for a 5-10 minute boat ride, and would be within recreational diving depth.

additional information required....

**Location Description - Proposed:**

tbd

**Coordinates:**

**Latest Event:**

02/23/2006 Additional information requested



## **MBNMS-2006-005**

**Effective Date:**

**Expiration Date:**

**Project Title:** Duke Energy Moss Landing Power Plant NPDES Permit

additional information needed

**Applicant Name:** Honorific RWQCB

**Affiliation:** Regional Water Quality Control Board

### **Project Summary:**

Ocean discharge from the power plant. The Moss Landing Power Plant NPDES permit has been on Administrative Extension since October 2005. Water Board staff plans to propose a renewed NPDES for the facility in 2007, after the federal court issues its decision regarding litigation over Clean Water Act Section 316(b) regulations.

Also the existing permit for the MLPP is still in litigation due to a lawsuit by Voices of the Wetlands.

A renewed MLPP permit will not be enacted until the courts resolve these issues.

### **Location Description - Proposed:**

Moss Landing Power Plant  
Ocean Outfall

#### **Coordinates:**

#### **Latest Event:**

09/15/2006 Additional information requested

## **MBNMS-2005-018-A4 - Active**

**Effective Date:** 05/04/2007

**Expiration Date:** 12/31/2009

**Project Title:** PISCO Partnership for Interdisciplinary Studies of Coastal Oceans

**Applicant Name:** Mr. Peter Raimondi

**Affiliation:** PISCO Partnership for Interdisciplinary Studies of

### **Project Summary:**

To conduct scientific investigations by installing, maintaining, and recovering, moorings, mooring arrays, instrument platforms, quadrat stations, transects, individual Acoustic Doppler Current Profilers, vexar cages, and associated equipment in order to study physical oceanography, fish movement, detritus, intertidal studies, and biodiversity.

### **Location Description - Proposed:**

throughout the MBNMS

#### **Coordinates:**

#### **Latest Event:**

04/19/2007 Additional information received

**MBNMS-2002-020-A4 - Active**

**Effective Date:** 04/26/2007

**Expiration Date:** 09/30/2010

**Project Title:** Rip Current Experiments (RIPEX)

**Applicant Name:** n/a Edward Thornton

**Affiliation:** Naval Postgraduate School

**Project Summary:**

The objectives are to measure offshore waves, rip currents, and underlying bathymetry at three energetically different sites. This permit allows for the installation of scientific instrumentation which will be cabled to shore; operation of motorized personal watercraft outside the usage zones; Operation of an All Terrain Vehicle (ATV) to conduct beach topography studies; Discharge of a Rhodamine WT tracer dye offshore Del Monte Beach, Sand City, and Marina to be used to study rip currents; all for marine research purposes within the Monterey Bay National Marine Sanctuary

Amendment #4 includes the temporary discharge of autonomous underwater vehicles equipped with an ADCP and spectrometer, as part of project enhancement for a period of approximately six weeks.

All other project conditions will remain the same.

**Location Description - Proposed:**

offshore Del Monte Beach, Sand City and Marina  
& from Wharf 2 to the Salinas River.

**Coordinates:**

**Latest Event:**

04/25/2007

Amendment issued