

# MBNMS Permit Report

## February 4, 2010



**MULTI-2010-001**

**Effective Date:** 04/01/2010

**Expiration Date:** 12/31/2012

**Project Title:** Introduced Species Study

**Applicant Name:** Dr. Stacy Kim

**Affiliation:** Moss Landing Marine Laboratories

**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 (CDFG) conduct appropriate studies necessary to develop a list of non-indigenous aquatic species (NAS) occurring in the marine and estuarine waters of the state. The CDFG's Office of Spill Prevention and Response (OSPR) will provide the lead role for the NAS investigations. OSPR had identified potential areas along the outer California coast from the Oregon border to Mexico and in San Francisco Bay as well as other major bays, harbors and ports in the state to conduct field and laboratory studies for the presence of NAS. These areas include a variety of natural habitat types such as rocky reef, sandy beaches and muddy soft bottom as well as man-made and floating structures. Outer Coast site locations include prominent headlands that are proximate to shipping lanes as well as other locations where ballast water exchange could likely result

**Latest Event:**

01/29/2010 Additional information received

**MULTI-2009-005-A1 - Active**

**Effective Date:** 09/21/2009

**Expiration Date:** 12/31/2011

**Project Title:** Ecology and populations dynamics of white sharks in the north eastern Pacific

**Applicant Name:** Dr. Barbara Block

**Affiliation:** Stanford University

**Project Summary:**

Sharks will be attracted to the surface using a seal decoy and lured close to a small research boat. To overcome its fear of the boat, the researchers will dispense a small amount of marine mammal blubber scent into the water to heighten the shark's hunger motivation. Satellite and acoustic tags will be placed externally using a dart applied to the dorsum. To estimate foraging



success and energy budgets, a small number of stomach tags will be deployed internally via feeding with the tag wrapped in a piece of seal or whale meat (under NMFS authorization). Shark attracting will occur each season within sanctuary waters between September 1 and March 1 except at the Farallon Islands where field work will extend no later than Nov 30. Individuals will be catalogued and monitored using individual fin morphology images taken with still and video cameras. Over the next 2 years up to 100 individuals may be tagged broken down by tag/sample type as follows: Acoustic tags: 40 per year - up

**Location Description - Proposed:**

Seabed disturbance in the GFNMS for installation of one underwater monitoring devices offshore Point Reyes headlands (distance of 1/4 mile or greater from shore), two underwater monitoring devices offshore South Farallon Islands, one underwater device offshore Tomales Point (distance of 1/4 mile or greater from shore), one underwater device offshore elephant rock (distance of 1/4 mile or greater from shore), one underwater device offshore double point. Seabed disturbance in the MBNMS for installation of two underwater monitoring devices offshore Ano Nuevo Island.

Shark attraction activities in the GFNMS offshore Pt Reyes and Farallon Islands and in MBNMS off Ano Nuevo Island, California.

**Latest Event:**

12/08/2009      Additional information requested

**MBNMS-2010-005**

**Effective Date:**

**Expiration Date:**

**Project Title:** Habitat variability and population partitioning in the rocky subtidal

**Applicant Name:** Mr. Scott Toews

**Affiliation:** California State University Monterey Bay

**Project Summary:**

Applicant will collect (scrape) algae and invertebrates from rocky habitats, and black surfperch.

**Location Description - Proposed:**

**Coordinates:**

**Latest Event:**

02/01/2010      Permit not required



**MBNMS-2010-004 - Active**

**Effective Date:** 02/01/2010

**Expiration Date:** 02/28/2011

**Project Title:** A Predictive Habitat Model for Endangered Black Abalone (*Haliotis cracherodii*) for Monterey Bay, California

**Applicant Name:** Ms. You-Young Lee

**Affiliation:** California State University Monterey Bay

**Project Summary:**

Black abalone habitat sites will be photographed within Point Lobos State Marine Reserve to determine habitat sites for future outplanting of black abalone. Metal bolts and washers will be installed for consistent data collection.

**Location Description - Proposed:**

Point Lobos State Marine Reserve

**Latest Event:**

02/02/2010 Permit signed copy received

**MBNMS-2010-003 - Active**

**Effective Date:** 01/22/2010

**Expiration Date:** 07/22/2010

**Project Title:** Caltrans Emergency Repairs at Monterey County Highway 1 Postmile marker 7.2

**Applicant Name:** Mr. Mitch Dallas

**Affiliation:** Caltrans

**Project Summary:**

An existing rock revetment below Hwy 1 at the interface with the Pacific Ocean has failed and resulted in a slip out. The proposed emergency fix will replace the failed section of rock revetment and stabilize the slip out below the Hwy. Please see the ENF (Emergency Notification Form) for details. This work is scheduled to begin within 24 hours.

**Location Description - Proposed:**

Caltrans Emergency Repairs at Monterey County Highway 1 Postmile marker 7.2 at Shale Point, north of Villa Creek.

**Latest Event:**

01/22/2010 Authorization issued



**MBNMS-2010-002 - Pending**

**Effective Date:** 03/01/2010

**Expiration Date:** 02/28/2012

**Project Title:** Monitoring biophysical interactions in a near-shore kelp ecosystem

**Applicant Name:** Dr. Fiorenza Micheli

**Affiliation:** Hopkins Marine Station

**Project Summary:**

This project establishes a kelp forest observatory off Hopkins Marine Station; and includes the installation, maintenance, and recovery of scientific instruments including, a mooring, a mooring array, Acoustic Doppler Current Profiler, CTDs, video camera, a powered data cable, and associated equipment in order to better characterize and understand the nearshore ecosystem.

**Location Description - Proposed:**

The nearshore area off Hopkins Marine Station

**Latest Event:**

01/27/2010 Permit issued

**MBNMS-2010-001 - Active**

**Effective Date:** 01/01/2010

**Expiration Date:** 12/31/2014

**Project Title:** Partnership for Interdisciplinary Study of Coastal Oceans (PISCO)

**Applicant Name:** Dr. Mark Carr

**Affiliation:** University of California, Santa Cruz

**Project Summary:**

The PISCO program integrates studies of changes in the nearshore environment through ecological monitoring and experiments. This research includes the installation, maintenance, and recovery of scientific instruments including, moorings, mooring arrays, quadrat stations, transects, Acoustic Doppler Current Profilers, acoustic receivers/loggers, vexar cages, and associated equipment in order to better characterize and understand the nearshore ecosystem.

**Location Description - Proposed:**

throughout the MBNMS

**Latest Event:**

12/18/2009 Permit signed copy received



**MBNMS-2009-034**

**Effective Date:** TBD

**Expiration Date:**

**Project Title:** Base Line Studies

**Applicant Name:** Ms. Eleanor Rewerts

**Affiliation:** California Ships to Reefs, Inc. (CSTR)

**Project Summary:**

Applicant proposes to survey a potential ship-sink site and non-ship-sink site.

**Location Description - Proposed:**

Southern Monterey Bay

**Coordinates:**

36 36.638N, 121 53.409W

36 36.193N, 121 53.117W

**Latest Event:**

10/08/2009      Application received

**MBNMS-2009-031**

**Effective Date:** TBD

**Expiration Date:**

**Project Title:** Confirmation of Hymeniacion sinapium for invasive analysis on the central California coast

**Applicant Name:** Mr. Timothy Fuller

**Project Summary:**

**Location Description - Proposed:**

Elkhorn Slough

**Latest Event:**

09/15/2009      Permit not required



**MBNMS-2009-014**

**Effective Date:** TBD

**Expiration Date:**

**Project Title:** State Parks MPWC Search & Rescue Operations, Monterey District

**Applicant Name:** Mr. Eric Abma

**Affiliation:** California Department of Parks & Recreation, (CDPR)

**Project Summary:**

Develop and maintain public agency MPWC SAR operating skills critical for hazardous incident response at sea under adverse conditions. Public safety agencies bordering the MBNMS have a primary mission to protect and save human life in coastal waters within sanctuary boundaries. SAR professionals have found MPWC to be uniquely suited for rescuing people in distress from high surf and nearshore areas due to the vessels' high-speed, shallow draft, instant thrust capabilities, and excellent maneuverability and survivability in high-energy ocean environments. In order to maximize use and safe operation of these craft under such conditions, a robust training and proficiency curriculum must be maintained in the area where the craft will be deployed for emergency response. Operators must be familiar with the areas and sea conditions they will be called upon to enter under duress to complete search and rescue missions. Public agency SAR activities directly assist the sanctuary progra

**Location Description - Proposed:**

Area of Responsibility (AOR): Shoreline and coastal waters from the Pajaro River to Garrapata Creek.

**Latest Event:**

04/02/2009 Additional information received

**MBNMS-2008-027**

**Effective Date:** TBD

**Expiration Date:**

**Project Title:** Pacific Grove Bathhouse Remodel, addition, and ADA improvements to Lovers Point Park

**Applicant Name:** Ms. Sarah Hardgrave

**Affiliation:** City of Pacific Grove

**Project Summary:**



The proposed project includes a remodel and addition to the Old Bathhouse restaurant building and construction of ADA improvements to the building and adjoining path and walkways. The project includes renovation of the existing building to allow expansion. The existing public restrooms will be removed and relocated. The project also includes replacement of fencing, modifications to the volleyball court, and interpretive signage.

**Location Description - Proposed:**

The project site encompasses a portion of Lovers Point Park located in the City of Pacific Grove, adjacent to the south shore of the Monterey Bay

**Latest Event:**

10/20/2008 Additional information received

**MBNMS-2007-030-A3 - Active**

**Effective Date:** 01/01/2008

**Expiration Date:** 12/31/2010

**Project Title:** Monterey Accelerated Research System (MARS) supplemental research projects not analyzed in the EIS

**Applicant Name:** Dr. Chris Scholin

**Affiliation:** Monterey Bay Aquarium Research Institute

**Project Summary:**

MBARI is planning to conduct seven additional research projects for deployment on the MARS cable. These projects include:

- Eye-In-The-Sea (EITS)
- Benthic Rover
- Sedimentation Sensor/Time-Lapse Camera System
- Deep-Sea Environmental Sample Processor (D-ESP)
- Free Ocean CO2 Enrichment (FOCE) System

AMENDMENT A1 also includes:

- Monitoring Pelagic Biomass Fluxes in Monterey Bay
- A Smart Sensor for Ocean Observation: System Design, Modeling, and Optimization

Amendment A2 includes:

- \* Technology development for geophysical monitoring at cabled seafloor observatories, and
- \* Acoustic communications system for cabled observatories

The first project, "Technology development for geophysical monitoring at cabled seafloor





observatories," aims to adapt currently existing equipment for use on cabled observatories to monitor seafloor changes as a result of impending volcanic eruptions. Ultimately, they hope to deploy this system as part of the NSF Ocean

Observatories Initiative (OOI) on

**Location Description - Proposed:**

**Latest Event:**

01/04/2010      Amendment signed copy received

**MBNMS-2006-005**

**Effective Date:** TBD

**Expiration Date:**

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

**Applicant Name:** 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

**Latest Event:**

09/15/2006      Additional information requested

