

MBNMS Permit Report

June 4, 2009



MULTI-2009-001

Effective Date:05/18/2009 Expiration Date:10/31/2009

Project Title:2009 FRAM Division Bottom Trawl Survey

Applicant Name:Dr. Patricia Burke

Affiliation:NOAA Fisheries Service

Project Summary:

Seabed alteration within West Coast National Marine Sanctuaries for the purpose of a groundfish bottom trawl survey, except as specified in the Special Conditions.

Location Description - Proposed:

Throughout West Coast Sanctuaries except as conditioned in permit

Latest Event:

05/14/2009 Permit issued

MBNMS-2009-020

Effective Date:05/21/2009 Expiration Date:11/30/2014

Project Title:City of Santa Cruz Special Event Department Temporary Buoy Use

Applicant Name:Ms. Kathryn Agnone

Affiliation:City of Santa Cruz City Manager Department

Project Summary:

The city of Santa Cruz is requesting a 5 year special permit for the temporary placement of buoys within the Santa Cruz coastal area inside the Monterey Bay National Marine Sanctuary (MBNMS). In order to provide for safety during the busy summer season and ensure proper safety and boundary demarcation for special events, the city of Santa Cruz has determined that it is necessary to place buoys in the water.

These buoys (see attached for full variety and related description) will be placed on the sea floor by approved special event and/or Santa Cruz Fire Department Marine Safety Division (SCFDMSD) personnel/Santa Cruz Municipal Wharf Maintenance Staff to ensure that they are placed appropriately and to minimize any potential impact with the ocean floor and the surrounding marine life. This is completed as needed on the day(s) of special recreational

events. The buoys are used for special events (junior lifeguard events, surf events, triathlons, open water swim events).

Location Description - Proposed:

from Lighthouse Point to the San Lorenzo River Mouth

Latest Event:

05/21/2009 Permit issued

MBNMS-2009-019

Effective Date:06/15/2009 Expiration Date:11/30/2009

Project Title:The effect of climate change on biological invasion and species interactions in intertidal wetlands

Applicant Name:Dr. Taewon Kim

Affiliation:Hopkins Marine Station

Project Summary:

The applicant proposes an invertebrate recruitment experiment at Elkhorn Slough and Salinas River State Beach. Experiment will disturb the seafloor with sampling equipment (including sediment cores, small recruitment tiles, and stakes for plastic shading boards).

Location Description - Proposed:

Elkhorn Slough and Salinas River State Beach

Latest Event:

05/19/2009 Permit issued

MBNMS-2009-018

Effective Date:06/22/2009Expiration Date:02/28/2010

Project Title:The interaction between cultural and provisioning ecosystem services: human visitation impacts on *Lottia gigantea* size distribution and abundance

Applicant Name:Mrs. Shae Mitchell

Affiliation:California State University Monterey Bay

Project Summary:

Installation and removal of 72 small bolts across 6 intertidal sites in MBNMS.

Location Description - Proposed:

Six intertidal sites in MBNMS:

Sea Lion Point (Point Lobos SMR),
Weston Beach (Point Lobos SMR),
Point Pinos (PG Marine Gardens SMCA),
Hopkins Marine Station,
Granite Canyon,
Carmel Point (Carmel Bay SMCA)

Latest Event:

05/14/2009 Permit issued

MBNMS-2009-017

Effective Date:06/15/2009 Expiration Date:08/15/2010

Project Title:Seasonal Variation In Polychaete Worm (Class Polychaeta) Assemblages In Elkhorn Slough, California And Differences From Historical Data

Applicant Name:Mrs. Sarah Bradley Huff

Affiliation:California State University Stanislaus

Project Summary:

Applicant will collect sediment cores and polychaete worms at four sites in Elkhorn Slough. Every time sampling occurs,the sediments in that area will be disturbed (where the coffee can cores are removed), and as the cores are washed, the sediments will be washed in the slough area close to the sample sites. It is logical to assume that the populations of polychaete species will decrease in each sample area where cores are removed, and the time for the population to return to a pre-sample stage is unknown. Other, non-target phyla will be returned to the sediments from where they are removed.

Location Description

Four mud flat areas in Elkhorn Slough, including Skipper's Point, Vierra's Beach, Dairy's, and Kirby Park.

Latest Event:

05/15/2009 Permit issued

MBNMS-2009-016

Effective Date:04/30/2009 Expiration Date:10/31/2010

Project Title:In-situ measurements on inorganic carbon parameters in a coastal kelp forest

Applicant Name:Dr. Jeffrey Koseff

Affiliation:Stanford University

Project Summary:

This project will begin to investigate two related questions: What are the fluxes and uptake of dissolved inorganic carbon in a growing kelp community, and how are these likely to be affected by the continued surface ocean uptake of CO₂? This project will test and develop a new, combined approach wherein carbon system parameters are monitored in place, under natural flow conditions by pumping water from specific depths to shore for automated analysis. To assess the effect of flow regime on the profiles of the surrounding hydrodynamic field will be characterized using 1200 kHz Acoustic Doppler Current Profilers, high frequency (25 Hz) Acoustic Doppler Velocimeters, and CTD strings to measure stratification.

Location Description - Proposed:

The location is in a stand of kelp near the Monterey Bay Aquarium.

Approximate location: 36.619 deg N, 121.902 deg W

Latest Event:

05/18/2009 Permit signed copy received

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.

Training will occur within the Asilomar State Marine Reserve and adjacent to the California Coastal National Monument, Salinas River National Wildlife Refuge, Salinas River State Beach, Fort Ord Dunes State Park, Monterey South Dunes Beach, Monterey State Beach, and Asilomar State Beach.

Training will also occur within the MBNMS coastal Overflight Restriction Zone at Moss Landing.

Latest Event:

04/02/2009 Additional information received

MBNMS-2009-013 -

Effective Date:04/16/2009 Expiration Date:04/20/2009

Project Title:National Geographic Television films Big Sur

Applicant Name:Mr. Peter Takacs

Affiliation:National Geographic Television

Project Summary:

National Geographic Television's Natural History Unit is currently in production on a one hour special about Big Sur. As part of their plans for filming the segments on the Monterey Bay National Marine Sanctuary, they would like to film aerial video footage of the Monterey Bay National Marine Sanctuary.

The area of the marine sanctuary where this activity will take place is the coastline that spans the boundaries of the MBNMS, from Seaside to Point Piedras Blancas.

Location Description - Proposed:

overflights planned from Seaside to Piedras Blancas

Latest Event:

04/08/2009 Permit issued

MBNMS-2009-012

Effective Date:03/30/2009 Expiration Date:03/30/2011

Project Title:Collect marine organisms for public education, classes, and research at UC Berkeley

Applicant Name:Dr. Timothy Herrlinger

Affiliation:University of California, Berkeley

Project Summary:

Applicant will collect kelp forest organisms (seaweeds, invertebrates, fishes) within 0-130 feet depth. Occasionally infaunal organisms will be collected by digging them out of the soft substratum. Organisms found under rocks will be removed and the rocks will be turned back over to the same orientation prior to collection. Small numbers of rocks with sessile organisms will be removed from the field and returned after the study. A small depression may occur when infaunal organisms are removed from the benthos. This dip will be filled in by normal wave action and natural sediment movement within hours to a few days. After this short period of time, no one would even know that the seafloor had been disturbed.

Location Description - Proposed:

Monterey Bay peninsula kelp forests (0-130 feet depth), including marine reserves.

Latest Event:

04/01/2009 Permit signed copy received

MBNMS-2009-011

Effective Date:04/15/2009 Expiration Date:04/14/2010

Project Title: UAV Demonstration Flights and Low Altitude Imaging Using the Micro Air Vehicle (MAV)

Applicant Name: Dr. Stanley Herwitz

Affiliation: UAV Collaborative in Cooperation with NASA Ames Research Center

Project Summary:

Aerial images will be collected using the Micro Air Vehicle (MAV), an unmanned aerial vehicle (UAV). The MAV will be launched at the Las Trancas Airstrip (~3.75 miles southeast of Ano Nuevo Island), and operated in the near vicinity of the coastal airstrip (~0.25 mile radius).

Location Description - Proposed:

Within ~0.25 mile radius of Las Trancas Airstrip (~3.75 miles southeast of Ano Nuevo Island)

Coordinates:

37.088314 N
122.275189 W

Latest Event:

04/08/2009 Permit issued

MBNMS-2009-006

Effective Date: 06/01/2009 Expiration Date: 06/01/2014

Project Title: The RWQCB's National Pollutant Discharge Elimination System (NPDES) Permit No. CA0049417 and WDR No. R3-2009-0020, for the Ragged Point Inn, San Luis

Applicant Name: Mr. Roger Briggs

Affiliation: Central Coast Regional Water Quality Control Board

Project Summary:

This permit updates existing NPDES permits for the discharge of tertiary treated domestic wastewater to the Pacific Ocean and within the MBNMS.

Ragged Point Inn, LP (hereinafter, the Discharger) is the owner and operator of a wastewater treatment facility that treats domestic and commercial wastewaters generated by the guests and employees and the restaurant of the Inn. The wastewater treatment facility is located at 19019 Highway 1, Ragged Point, San Luis Obispo County.

The Discharger owns and operates a private wastewater treatment facility serving a resort that consists of a hotel, a restaurant, a gas station with public restrooms and a small retail shopping area, as well as employee housing. Wastewater flow varies depending on the number of guests at the hotel and customers of the restaurant, gas station and shops.

The treatment system consists of a comminutor (grinder/macerator), a flow equalization tank, extended aeration package treatment plant

Location Description - Proposed:

The outfall (35° 45' 30" N. Latitude, 120° 19' 30" W. Longitude) discharges to the Pacific Ocean and the MBNMS.

Latest Event:

05/08/2009 Approval granted by other agency

MBNMS-2008-028

Effective Date:05/15/2009 Expiration Date:04/15/2010

Project Title:Caltrans disposal response to Basin Fire, Big Sur

Applicant Name:Mr. Steve Price

Affiliation:Caltrans

Project Summary:

This project is part of the Basin Complex Fire Emergency Response Projects. In response to the Basin Complex Fire (during July & August 2008) in Big Sur, Monterey County, emergency projects are proposed at numerous locations along Highway 1 to protect the highway facility and traveling public from threats associated with debris flow and rock fall from areas denuded by the fire. Projects consist of installing temporary (until the watershed is recovered, approximately 5 years) debris flow barriers upstream from identified culvert inlets and construction of permanent rock fall drapery and temporary barriers at the toe of identified rocky cut slopes.

Caltrans is interested in placing the debris (generated from the combined influence of fire and wet weather) seaward of highway 1 in several locations along the Big Sur coast.

Latest Event:

06/02/2009 Authorization issued

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-2008-025

Effective Date: 03/01/2009 Expiration Date: 10/01/2009

Project Title: Seawater Desalination Program Offshore Geophysical Survey for the City of Santa Cruz

Applicant Name: Ms. Heidi R. Luckenbach

Affiliation: City of Santa Cruz

Project Summary:

The issues to be investigated are 1) whether favorable geology exists in the potential San Lorenzo alluvial channel to construct subsurface wells as an intake to a seawater desalination facility; and, 2) whether the condition of the abandoned outfall is sufficient for its conversion and use as a screened open water intake.

This project would consist of two investigations, a survey of an assumed offshore alluvial basin (a submerged and now filled and buried former river channel) using both seismic reflection profiling and soil sampling, and a survey of an abandoned outfall location and characterization survey.

The project is designed to:

- 1) help provide the information necessary to select the preferred intake location for the future, full-scale, desalination plant to service the City of Santa Cruz and the Soquel Creek Water District and
- 2) meet the requirements of the \$611,000 Integrated Regional Water Management Grant funding from the State Water Resources Control Board.

Location Description - Proposed:

offshore of santa cruz

Latest Event:

03/17/2009 Additional information received

MBNMS-2006-008

Effective Date: TBD 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

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. Th 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 -

Moss Landing Power Plant Ocean Outfall

Latest Event:

09/15/2006Additional information requested