

MBNMS Permit Report

June 9, 2008



MULTI-2008-003 - Active

Effective Date: 04/15/2008

Expiration Date: 12/31/2013

Project Title: Marine mammal and sea turtle assessment research involving low-altitude overflights and deployments of expendable bathythermographs from vessels.

Applicant Name: Mr. Jeremy Rusin

Affiliation: Southwest Fisheries Science Center , NMFS, NOAA

Project Summary:

The SWFSC/NMFS is conducting four projects over the next 5 years conducting overflight surveys of marine mammals and leatherback sea turtles, and discharging expendable bathythermographs (XBTS).

Location Description - Proposed:

The proposed project will be conducted along the Pacific coast in all 5 west coast sanctuaries.

Coordinates:

See hard file for detailed transect information.

Latest Event:

04/16/2008 Permit issued

MULTI-2008-002 - Active

Effective Date: 04/14/2008

Expiration Date: 12/31/2011

Project Title: Aerial Photographic Surveys of Common Murre, Brandt's Cormorant, and Double-crested Cormorant Breeding Colonies in California

Applicant Name: Dr. Breck Tyler

Affiliation: University of California at Santa Cruz

Project Summary:

In 2008 and beyond, the University of California, Santa Cruz (UCSC), in cooperation with the California Department of Fish and Game (CDFG), plans to conduct low altitude (i.e., <1,000') aerial photographic surveys of seabird colonies in the Gulf of the Farallones (GFNMS), Monterey Bay National Marine Sanctuaries (MBNMS), and Channel Islands National Marine

Sanctuary (CINMS). Surveys will be conducted from the Oregon border south to the Santa Barbara Channel including within Humboldt Bay and San Francisco Bay and the Channel Islands. These surveys will be used to determine the locations of all all Common Murre (*Uria aalge*), and Brandt's and Double-crested Cormorant (*Phalacrocorax penicillatus*, *P. auritus*) breeding colonies, and to maintain a photographic archive of them for use in

determining breeding population sizes of colonies. Results of surveys are used for several research and monitoring purposes, including determining population trends of these species over time and providing bas

Location Description - Proposed:

In CINMS, colonies at all five islands will be photographed.

In GFNMS and MBNMS, surveys will be conducted along the entire coastline, and offshore at the North and South Farallon Islands. Along the coastline, colonies occur on mainland cliffs, nearshore islands and seastacks, and artificial habitat. Most colony locations are known, but other areas of coastline also will be inspected to detect new or irregularly-used colony locations. All colonies will be surveyed once during the survey period. See

<http://farallones.noaa.gov/ecosystemprotection/mapsandregulations.html> for a map of major breeding colonies within GFNMS and MBNMS that will be surveyed.

Coordinates:

Latest Event:

04/15/2008 Permit issued

MULTI-2003-002-A2 - Active

Effective Date: 06/01/2008

Expiration Date: 05/01/2009

Project Title: West Coast Groundfish Trawl Survey off Washington, Oregon and California

Applicant Name: Dr. Elizabeth Clarke

Affiliation: NOAA Fisheries

Project Summary:

A groundfish bottom trawl survey along the continental shelf and slope within five West Coast National Marine Sanctuaries.

Location Description - Proposed:

Within the west coast sanctuaries: OCNMS, CBNMS, GFNMS, MBNMS, and CINMS

Coordinates:

Although the permit allows trawl survey within sanctuaries, it does not allow trawl survey within

California MPAs, unless authorized by CDFG.

Latest Event:

05/30/2008 Amendment issued

MBNMS-2008-015 - Active

Effective Date: 05/09/2008

Expiration Date: 05/09/3008

Project Title: The Krach, Inglis, and Laing Seawall located at 4640, 4630, 4610 and 4600 Opal Cliff Drive in the unincorporated Live Oak area of Santa Cruz County.

Applicant Name: Mr. Charles Lester

Affiliation: California Coastal Commission

Project Summary:

The proposed project includes removal of riprap located on the beach between the toe of the existing permitted seawall and the low water line. This riprap was permitted as part of the seawall structure in 1993 as toe scour protection, but has fallen into disrepair. As a result, the toe of the existing seawall has been undermined. The riprap toe protection would be replaced by a two-foot-wide cutoff stem wall along the entire length of the existing seawall along three parcels (APNs 033-132-01, 033-132-02, and 033-132-03). The cutoff stem wall will be embedded into the bedrock platform and structurally attached to the seawall. All visible components of the seawall will be colored so as to blend with the adjacent existing bluff face.

Location Description - Proposed:

The project is located at the base of the Opal Cliff bluffs in the unincorporated Live Oak area in Santa Cruz County. Opal Cliffs is the name for the area extending roughly from 41st Avenue in Live Oak to the Capitola city limits (see Exhibit #1 for project location maps). This stretch of coastline is exclusively described by a row of private residential properties that are perched atop the bluffs located seaward of Opal Cliff Drive, which is the first through public road.

Coordinates:

Latest Event:

06/05/2008 Authorization issued

MBNMS-2008-014

Effective Date: 08/01/2008

Expiration Date: 12/31/2008

Project Title: Collaborative Research: The Role of Canyons in Boundary Mixing and Exchange with the Ocean Interior

Applicant Name: Dr. Erika McPhee-Shaw

Affiliation: Moss Landing Marine Laboratories

Project Summary:

The goal of the project is to examine exchange of mixed fluid between boundary and interior within a region of convergence and intense dissipation of semidiurnal internal tidal energy in the submarine canyon. Field work will include use of the R/V Point Sur and the R/V John H. Martin between 17 and 31 August 2008. Profiling will be done with CTD from both ships, and with expendable CTD and current profilers (XCP-XCTD). The profiling surveys will measure semidiurnal internal wave flux throughout the water column, while a bottom-anchored mooring, deployed near the center of the study site along the canyon axis, will monitor mixing and stratification within the bottom boundary layer and bottom mixed layer. The mooring will be in a water depth of ~ 1100 m with all instruments at depths greater than 950 m. It will be deployed 17 August 2008, and retrieved in mid-October 2008.

Location Description - Proposed:

Axis of Monterey Canyon

Coordinates:

The approximate location of the bottom-anchored mooring will be 36o 46.20'N, 122o 02.15' W (exact location will be determined after surveying for flat bottom topography).

Latest Event:

06/03/2008 Application received

MBNMS-2008-013

Effective Date: n/a

Expiration Date:

Project Title: Moss Landing Surficial Debris Cleanup and Mapping Project

Applicant Name: Ms. Sarah Corbin

Affiliation: Surfrider

Project Summary:

This project will consist of removing and mapping the debris found in Moss Landing Harbor and part of Elkhorn Slough. The immediate goal of the project is to remove debris found in aquatic and land zones around Moss Landing Harbor and aquatic zones within the mouth of the slough. The overarching goal of the project is to identify likely sources and points of origin of debris through an analysis of the locations of found debris.

Location Description - Proposed:

This project will consist of removing and mapping the debris found in Moss Landing Harbor and part of Elkhorn Slough.

The immediate goal of the project is to remove debris found in aquatic and land zones around Moss Landing Harbor and aquatic zones within the mouth of the slough.

Coordinates:

Latest Event:

06/05/2008 Permit not required

MBNMS-2008-012 - Active

Effective Date: 06/01/2008

Expiration Date: 12/31/2008

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.

Coordinates:

Approximate location: 36.619 deg N, 121.902 deg W

Latest Event:

05/29/2008 Permit issued

MBNMS-2008-011 - Active

Effective Date: 05/14/2008

Expiration Date: 05/30/2009

Project Title: The California Coastal Boundary Layer: physical characteristics and ecological implications

Applicant Name: Ms. Kerry Nickols

Affiliation: University of California Davis

Project Summary:

The permittee will deploy ten (10) Acoustic Doppler Current Profilers (ADCPs) in transects parallel to shore to study the Coastal Boundary Layer in two regions of Monterey Bay - the northern section (Terrace Point) and southern section (Hopkins Marine Station). Data will then also be compared with extant data from the middle of Monterey Bay (Pajaro Dunes). Data will fill in knowledge gaps in the oceanography of the nearshore in this region, and contribute to ongoing studies, most notably the PISCO nearshore moorings at Terrace Point and Hopkins Marine Station.

Location Description - Proposed:

Ten Acoustic Doppler Current Profilers (ADCPs) will be deployed and anchored within two Cross-shore (perpendicular to shore) transects spaced on or around the following isobaths: 7 m, 10 m, 13 m, 16 m, 20 m, 23 m, and 25 m. The two transects are at Terrace Point on the northern edge of Monterey Bay, and near Hopkins Marine Station, near the southern edge of Monterey Bay.

Coordinates:

See table of coordinates in Application

Latest Event:

05/15/2008 Permit issued

MBNMS-2008-010

Effective Date:

Expiration Date:

Project Title: BAE Systems Remote Sensing Data Collection Flight

Applicant Name: Mr. Ronald Ho

Affiliation: BAE Systems

Project Summary:

BAE Systems is trying to solve the mine detection problem in the littoral region for the US Navy, and, more specifically in this case, buried mines in the beach zone. The shoreline at Marina State Beach offers a large sandy beach environment at the ocean's edge to accommodate a target zone with available airspace to test the SAGPR system in flight.

While it is known that SAGPR can detect objects buried in dry soil, and in freshwater-moistened soil, it is unknown how effective SAGPR may be versus objects buried in wet salty sand (SAGPR is known to be ineffective versus objects submerged in pure seawater.) The goal of this task is to fly a SAGPR system over a prepared field containing mine surrogates buried in sand moistened with saltwater.

Radar data collected during this test will be analyzed to characterize the performance of the SAGPR in detecting surface mines and buried mines in wet (with salt water) beach sand.

Location Description - Proposed:

The proposed test range is located along the shoreline at the north end of Marina State Beach south of the wastewater treatment plant and outside of any overflight restriction zones.

Coordinates:

Latest Event:

04/09/2008 Additional information requested

MBNMS-2008-006

Effective Date:

Expiration Date:

Project Title: The National Water Ski Racing Association (NWSRA) race event

Applicant Name: Mr. Mark Avila

Affiliation: National Water Ski Racing Association (NWSRA)

Project Summary:

The NWSRA wants to host a major sporting event in the Monterey Bay. They propose a marathon water-ski race starting at the Monterey Wharf, to Moss Landing, to Santa Cruz, and back.

Location Description - Proposed:

Coordinates:

Latest Event:

05/07/2008 Application denied by other agency

MBNMS-2008-003

Effective Date:

Expiration Date:

Project Title: Caltrans Vicente Creek / Gamboa Point Retaining Wall project

Applicant Name: Mr. Richard Krumholz

Affiliation:

Project Summary:

Caltrans proposes to stabilize the failing slope between Vicente Creek and Gamboa Point from post miles 26.1 through 26.3 on Highway 1, approximately 3 miles north of the town of Lucia on the Big Sur Coast in Monterey County. The project area is an active landslide that causes disruption of traffic flow, especially during the winter months when rains increase the movement of unstable slopes. Currently maintenance crews are patching this portion of the roadway approximately two times per week. The project area has been designated as an Emergency Permanent Restoration in response to rapid and continual road failure due to the federal declared disaster event in 2006.

Caltrans is proposing to construct a 194-foot long soldier-pile tieback retaining wall along the outside shoulder of the southbound lanes using embedded steel piles with horizontal timber lagging. At it's tallest point the wall face will be 40-feet high. Piles will be encased in Portland cement and will be aesthetic

Location Description - Proposed:

Coordinates:

Latest Event:

12/21/2007 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