

MBNMS Permit Report

February 3, 2011



MULTI-2010-005-A2 -

Effective Date:06/01/2010 Expiration Date:12/31/2012

Project Title: Baseline Monitoring of Ecosystem and Socioeconomic Indicators for MPAs along the North Central Coast of California: Sandy Beaches

Applicant Name: Dr. Karina Nielsen

Affiliation:Sonoma State University

Project Summary:

This is for an amendment to add 2 sandy beaches (Doran and Dillon) to the MULTI-2010-005 and to extend the submittal date of the integrated ecosystem assessment report to March 1, 2013.

Sandy beaches and adjacent surf zone habitats are part of the Marine Protected Areas (MPAs) network implemented in the North Central California (NCC) by the CA Department of Fish and Game. Baseline characterization and long-term monitoring are part of the effectiveness assessment of the newly established MPAs.

The project PIs propose to conduct a comprehensive baseline biodiversity survey and evaluate prospective long-term ecosystem indicators at 12 sandy beaches (6 MPAs and 6 reference sites (only 2 MPAs and 4 reference sites are within Marine Sanctuary boundaries) characteristic of the large sandy beaches and pocket beaches (< 1 km of shoreline) in the NCC region. Quantitative measurements using standard methods (core samples) will include 1) species richness and abundance of intertidal

Location Description - Proposed:

Proposed locations within the Sanctuaries include Doran Beach, Dillon Beach, Duxbury SMCA, Stinson Beach, Montara State Beach, and Ross Cove (Montara SMR).

Latest Event:

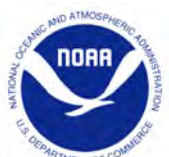
07/29/2010 Amendment issued

MULTI-2009-005-A5

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

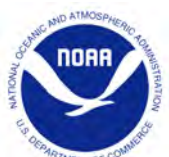
MBNMS-2011-001

Effective Date:02/01/2011 Expiration Date:02/08/2011

Project Title: NOAA Ship Okeanos Explorer cruise EX1101

Applicant Name: Dr. Elizabeth Lobecker

Affiliation: NOAA Office of Ocean Exploration and Research



Project Summary:

NOAA's Office of Ocean Exploration and Research is conducting a routine multibeam and single beam sonar patch test, and discharging approximately ten expendable bathythermographs (XBTs).

Location Description - Proposed:

Throughout the MBNMS

Latest Event:

01/10/2011 Permit issued

MBNMS-2010-034

Effective Date: TBD Expiration Date:

Project Title: Bird sampling in MBNMS

Applicant Name: Ms. Susan De La Cruz

Affiliation: U.S. Geological Survey

Project Summary:

Capture, band, take a blood sample, and release surf scoters and Western/Clarks grebes between December 2010 and April 2011.

Location Description - Proposed:

Latest Event:

12/03/2010 Additional information received

MBNMS-2010-033

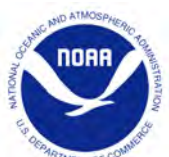
Effective Date:12/27/2010 Expiration Date:12/31/2011

Project Title: Microcystins at the freshwater/marine interface of Monterey Bay

Applicant Name: Mr. William Brandt

Affiliation: California State University Monterey Bay

Project Summary:



Applicant proposes to deploy two anchored sampling arrays/buoys in 9 meters of water off Lake El Estero and Robert's Lake to sample microsystems. Sampling arrays will be deployed and retrieved approximately 4 times per year for 2-week periods at the onset of storm and potential lake flushing events.

Location Description - Proposed:

Southern Monterey Bay, offshore of Lake El Estero and Robert's Lake

Latest Event:

12/27/2010 Permit signed copy received

MBNMS-2010-032

Effective Date: Expiration Date:

Project Title: Artificial Reef Placement Suitability

Applicant Name: Ms. Eleanor Rewerts

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

Project Summary:

California Ships to Reefs, Inc. (CSTR) has identified the Monterey Bay as a potential candidate location for creation of artificial reefs of various types to enhance habitat for declining or depleted species, and to add more habitat for fishing and diving recreational opportunities. The applicant states this project will identify specific locations where these increases in habitat and species are desirable, and then determine what type of reef is appropriate to accomplish these increases.

Location Description - Proposed:

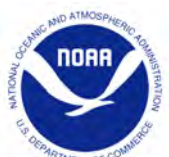
Monterey Bay

Latest Event:

11/03/2010 Application received

MBNMS-2010-031

Effective Date:12/01/2010 Expiration Date:12/08/2010



Project Title: "Carmel the Movie" This is the current title for an independent feature film.

Applicant Name: Mr. Jason Kay

Affiliation: Experience Media Studios

Project Summary:

To film aerial establishing shots of the California coast. The Activity will be limited to one day of overflights between the period of December 1 -8, 2010, at or above 500-feet above ground level (AGL).

Overflight operations to occur within the vicinity offshore Carmel at altitudes no lower than 500 feet or above. This footage can then be interwoven into a feature film currently entitled "Carmel."

Location Description - Proposed:

At a safe altitude above the ground, yet below 1000 feet starting from the boundary adjacent to Carmel River extending south approx. 4 miles to the southern border of Garrapata State Park

Latest Event:

11/24/2010 Permit issued

MBNMS-2010-030

Effective Date: 11/18/2010 Expiration Date: 03/15/2011

Project Title: Santa Cruz Harbor dredge disposal permit approval of Coastal Commission Waiver to extend the expiration date of this activity

Applicant Name: Mr. Brian Foss

Affiliation: Santa Cruz Port District

Project Summary:

The Monterey Bay National Marine Sanctuary (MBNMS) has reviewed the California Coastal Commission (CCC) Proposed Coastal Development Permit Waiver 3-10-057-W for Santa Cruz Harbor Dredging and Disposal Activities.

As stated in the CCC Waiver, the Santa Cruz Port District's five-year dredging and disposal permit expired on October 18, 2010. The proposed Waiver will allow the Port District to continue its dredging and disposal operations until March 15, 2011, consistent with the conditions of the previous five-year dredging and disposal permit (CDP 3-05-065), as amended.



The previous permit for dredge disposal allows the following modifications to the California Coastal Commission CDP 3-05-065-A1

1. allowing disposal of inner (north and south) harbor sediments during the month of October
2. allowing inner harbor sediments to be disposed of during the evening hours during October only
3. removing the limit on the number of cubic yards that may be dredged from the inner h

Location Description - Proposed:

Offshore of Twin Lakes State Beach

Latest Event:

11/18/2010 Approval granted by other agency

MBNMS-2010-029

Effective Date:11/15/2010 Expiration Date:12/31/2012

Project Title: Scientific collections in Monterey Bay aboard Moss Landing Marine Laboratories' Research Vessels Point Sur and John Martin

Applicant Name: Mr. Benjamin Jokinen

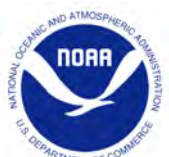
Affiliation: Moss Landing Marine Laboratories

Project Summary:

Moss Landing Marine Laboratories conducts education and research class cruises aboard their research vessels (Point Sur and John Martin). During these class cruises the seafloor is altered within the Monterey Bay area for the purpose of benthic trawling and sediment coring activities. These activities will further the knowledge and understanding of sediment transport and benthic communities within the sanctuary for researchers and educators alike. Sampling typically occurs twice a year (once a semester for ~1 week, typically in November and February) for MLML classes to augment both student research and class curriculum as well as for outreach to local Community Colleges and area High Schools. Typically, no more than 10 sediment cores will be collected per day and no more than 2 at any specific location. Typically, no more than 5 trawls will be conducted per day and no more than 2 at any specific location.

Location Description - Proposed:

within the Monterey Bay area



Latest Event:
12/06/2010 Permit signed copy received

MBNMS-2010-028

Effective Date:10/26/2010 Expiration Date:11/03/2010

Project Title: FI International feature film, CROWN JEWELS

Applicant Name: Mr. Leif Mohlin

Affiliation: Filmlance International AB (FI)

Project Summary:

FI International feature film, CROWN JEWELS, with Leif Mohlin, Producer, and Ella Lemhagen, Director, and Anders Bohman, DOP, and Eric Börjesson, DOP, Underwater Photographer, filmed in underwater locations in Monterey, CA, USA, and locations in Sweden, edited in VFX Studio, Gothenburg, Filmgate. JWP will perform services as a Local (Monterey) Underwater Production Manager and as Local (Monterey) Underwater Camera Operator. Filming would be conducted underwater only. Locations include the commercial warf #2, breakwater cove, kelp forests in Monterey, Pacific Grove, Carmel waters. All diving will be conducted from a boat with captain that is commercially licensed through the US Coast Guard abiding by MBNMS rules and regulations. We will be operating with a team that consists of 4 divers. 2 Cameramen, and 2 safety divers. All diving will be conducted above 60ft. Utilizing Nitrox enriched air. Camera crew will be filming with a RED HD camera in underwater housing.

Location Description - Proposed:

Latest Event:
10/25/2010 Permit not required

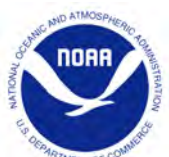
MBNMS-2010-027

Effective Date: Expiration Date:

Project Title: Geotechnical And Hydrogeologic Investigation At Shamel Park And Santa Rosa Creek Beaches, Cambria

Applicant Name:Ms. Josephine Axt

Affiliation:Dept of Defense, US Army, Corps of Engineers



Project Summary:

The proposed survey activity is on the beach adjacent to the mouth of Santa Rosa Creek in Cambria, San Luis Obispo, California. The survey area includes the beach area adjacent to the mouth of Santa Rosa Creek downcoast to the beach adjacent to Shamel Park. The proposed survey includes the completion of geotechnical and hydrogeologic exploration activities to help determine whether subsurface beach intake facilities should be included as a feasible alternative for the proposed desalination facility being planned by the Cambria Community Services District (CCSD). The objective of this initial investigation is to help define the paleochannel extension offshore from the Santa Rosa Creek beach to characterize the subsurface materials and geology. This study proposes information gathering activities only and will not include the construction of any features or structures beyond those that are part of this investigation.

Location Description - Proposed:

Latest Event:

10/15/2010 Application withdrawn by applicant

MBNMS-2010-026

Effective Date:

Expiration Date:

Project Title: California Coastal Commission CDP:3-09-042, O'Neill Seawall

Applicant Name: Mr. California Coastal Commission

Affiliation: CCC

Project Summary:

Construct a faux bluff sculpted concrete seawall with a two-foot-wide public pathway near the bottom to provide a connection across the seawall from the upcoast beach/rocky shelf to the downcoast beach/rocky shelf.

The proposed project site is located just seaward of East Cliff Drive along a low-lying rocky shelf that is directly above the sandy beach in the Pleasure Point portion of the Live Oak beach area of Santa Cruz County. The existing residence on the site is located seaward of the blufftop edge and extends up the bluff face. This residence is protected by a riprap revetment at the base of the bluff adjacent to and below the residence. The site is subject to heavy wave action, and the effectiveness of the riprap revetment has diminished over time due to seaward migration and scattering of the riprap boulders from wave run-up and erosion of fill material beneath the revetment.

Location Description - Proposed:



At the toe of the bluff and on the beach seaward of 2-3610 East Cliff Drive fronting the Pleasure Point surfing area in the unincorporated Live Oak area of Santa Cruz County (APNs 032-251-08 and 032-251-09).

Latest Event:
10/06/2010 Authorization issued

MBNMS-2010-023 -

Effective Date:10/15/2010 Expiration Date:12/31/2015

Project Title:Ocean Deposition of Talus at Waddell Bluffs

Applicant Name:Mr. Richard Krumholz

Affiliation:California Department of Transportation (Caltrans)

Project Summary:
Deposit of up to 30,000 cubic yards of sediment per year into coastal waters as authorized by California Coastal Commission Coastal Development Permit 3-00-125-A7

Location Description - Proposed:

Santa Cruz County. Waddell Bluffs, immediately south of the San Mateo/Santa Cruz County line along California Highway 1 and approximately 8 miles north of Davenport, CA.

Latest Event:
09/16/2010 Authorization issued

MBNMS-2010-022

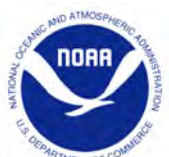
Effective Date: Expiration Date:

Project Title:

Applicant Name: Mr. Chris Miller

Affiliation:Naval Postgraduate School

Project Summary:



Location Description - Proposed:

Latest Event:

08/05/2010 Permit not required

MBNMS-2010-021

Effective Date:09/01/2010Expiration Date:09/30/2014

Project Title:Pacific Grove Triathlon - Buoy Installation

Applicant Name:Mr. Terry Davis

Affiliation:Tri-California

Project Summary:

Installation of 12 25-pound small buoys to mark event race course.

Location Description - Proposed:

offshore Lover's Point

Coordinates:

Latest Event:

08/16/2010 Permit issued

MBNMS-2010-020

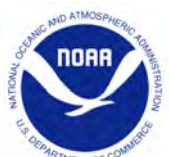
Effective Date:09/15/2010 Expiration Date:12/31/2011

Project Title:California Seafloor Mapping Project: use of an armored JetRIB for intertidal and shallow subtidal habitat mapping in the surf zone

Applicant Name:Dr. Rikk Kvitek

Affiliation:California State University Monterey Bay

Project Summary:



The CSUMB Seafloor Mapping Lab is conducting a mapping survey using a jet-propelled aluminum-hull rigid inflatable boat (JetRIB; otherwise known as motorized personal watercraft, MPWC). Mapping areas will include shallow, subtidal habitats within surf zones, over rocky shoals, and around pinnacles and wash rocks throughout the sanctuary. Special attention will be given to Marine Life Protection Act (MLPA) designated marine protected areas (MPAs) and reference areas.

The state sponsored MLPA MPA biological baseline monitoring programs are making use of the California Seafloor Mapping Project (CSMP) habitat maps to plan and interpret their biological monitoring efforts. Currently, many of the MLPA biological monitoring transect lines for many of the MPAs within the sanctuary are in the extensive nearshore CSMP data gaps, and thus over unknown habitat types. Because linking species and habitats is critical to MPA performance assessment, complete habitat maps are critical for quantify

Location Description - Proposed:

Within the surf zone, and around rocks and pinnacles throughout the sanctuary

Latest Event:

08/31/2010 Permit issued

MBNMS-2010-018

Effective Date: Expiration Date:

Project Title:Parsons Slough Project - Monterey Bay National Marine Sanctuary Prohibited Activity Exemption Request

Applicant Name:Ms. April Zohn

Affiliation:Lux Environmental Consulting

Project Summary:

The California Department of Fish and Game (CDFG) and the Elkhorn Slough National Estuarine Research Reserve (ESNERR) are proposing to construct a partially submerged tidal barrier (sill), similar to an underwater wall, across the mouth of the Parsons Slough Channel, which is located on the southeast side of Elkhorn Slough in Monterey County, California (Figure 1). The sill structure would prevent head cutting (i.e., erosion in a channel caused by an abrupt change in slope) in Elkhorn Slough from migrating upstream into Parsons Slough, would retain sediment that accretes within Parsons Slough, and would reduce the tidal prism of Parsons Slough. This reduction in tidal prism would reduce current velocities between Parsons Slough and the mouth of Elkhorn Slough, thereby reducing tidal scour. The proposed project, which is



referred to as the Parsons Slough Project, would also include establishment of artificial reefs to support populations of Olympia oysters (*Ostrea lurida*) in the north

Location Description - Proposed:

Latest Event:

06/14/2010 Permit not required

MBNMS-2010-017

Effective Date:07/08/2010

Expiration Date:07/31/2010

Project Title:Zooplankton at the Base of the Particle Maximum: Gatekeepers of the Vertical Flux?

Applicant Name:Dr. David Checkley

Affiliation:Scripps Institution of Oceanography

Project Summary:

This research includes the deployment, maintenance, and recovery of scientific equipment including autonomous biological profiler floats to better understand the role of zooplankton in the vertical flux of particles, and factors that affect zooplankton behavior and ecology.

Location Description - Proposed:

Monterey Bay area (near M1 Buoy)

Latest Event:

07/01/2010 Permit signed copy received

MBNMS-2009-014

Effective Date:

Expiration Date:

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

Applicant Name:Mr. Eric Sturm

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.

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

