

Permit Report

March 31, 2011



MULTI-2011-002 -

Effective Date: 03/16/2011

Expiration Date: 04/30/2011

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 thirty expendable bathythermographs (XBTs) within Monterey Bay and Channel Islands National Marine Sanctuaries.

Location Description -:

Throughout the MBNMS and CINMS

Latest Event:

03/15/2011 Permit issued

MULTI-2009-005-A1 -

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:

Placement of monitors and disturbance of submerged lands are permitted for installation and maintenance of one underwater monitoring device offshore Point Reyes headland (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 (distance of 1/4 mile or greater from shore), one underwater device offshore Bodega Head, and two underwater monitoring devices offshore Ano Nuevo Island.

Shark attraction activities are permitted throughout the GFNMS and offshore Ano Nuevo Island, California in the MBNMS.

Latest Event:

12/08/2009 Additional information requested

MBNMS-2011-010

Effective Date: tbd

Expiration Date:

Project Title: System and Methods for Cultivating, Harvesting, and Processing Biomass to Produce Renewable Hydrocarbon Fuels on a Global Scale

Applicant Name: Dr. Dennis Yancey

Affiliation: Coastal Water Biotechnology Group LLC

Project Summary:

Additional info requested

Location Description -:

Latest Event:

03/04/2011 Additional information received

MBNMS-2011-009

Effective Date: 10/07/2011

Expiration Date: 10/08/2011



Project Title: Monte Foundation Annual Fireworks

Applicant Name: Mr. Marcus Monte

Affiliation: Rudolph F. Monte Foundation

Project Summary:

This event is scheduled to take place in October at Seacliff State Beach.

This authorization is limited to discharges and incidental harassment of marine life within the MBNMS by the launching of commercial within the Sanctuary in October of each year that this authorization is valid. The Aptos site has been used annually for a large fundraiser for Aptos area schools in October. The launch site is on the Aptos Pier and part of a grounded cement barge at Seacliff State Beach. The aerial shells are aimed above and to the south of the pier.

Location Description:

same as proposed

Latest Event:

03/07/2011 Application received

MBNMS-2011-008

Effective Date: 07/30/2011

Expiration Date: 08/01/2011

Project Title: The Feast of Lanterns Annual Fireworks Celebration in Pacific Grove

Applicant Name: Ms. Sue Renz

Affiliation: Pacific Grove Feast of Lanterns

Project Summary:

Fireworks will be fired from the recreational trail at the foot of Fountain Avenue at approximately 9:15 pm. PyroSpectaculars is the vendor, and will be detonating approximately 567 pyrotechnic shells.

Location Description:

Fireworks will be fired from the recreational trail at the foot of Fountain Avenue

Latest Event:

02/05/2011 Application received



MBNMS-2011-007

Effective Date: 04/12/2006

Expiration Date: 05/08/2011

Project Title: The operation of tractors in the surf zone near the Capitola Pier

Applicant Name: Mr. Ed Morrison

Affiliation: City of Capitola

Project Summary:

Renewal of the city of Capitola's five-year permit to continue implementation of the Soquel Creek Lagoon Management & Enhancement Plan. Management activities include riparian habitat restoration and protection along Soquel Creek, sandbar construction resulting in lagoon formation in May of each year, management of the lagoon for fishes and other animals, maintenance of fish passage (salmonids) through the existing flume, actions to protect salmonids and prevent flooding during emergency sandbar breaching, sediment reduction, reduction of summer water temperatures to benefit salmonids, and reduction of nonpoint source pollution into the creek. The management plan also includes regular monitoring.

Location Description:

Soquel Creek vicinity, Capitola, Santa Cruz County

Latest Event:

02/10/2011 Application received

MBNMS-2011-006 -

Effective Date: 04/01/2011

Expiration Date: 12/31/2011

Project Title: Validation of contaminant foodweb bioaccumulation in Moss Landing, CA.

Applicant Name: Mr. Karl Gustavson

Affiliation: U.S. Army Corps of Engineers

Project Summary:

The USACE San Francisco District shares responsibility for dredging portions of MLH and for permitting aquatic disposal of dredged material from the harbor. Previous applications of standard sediment testing protocols to evaluate dredged material have proven inconclusive for some sediment from MLH, primarily the southern portion of the harbor. This led to the need for further assessment of potential risks associated with bioaccumulation of contaminants in dredged



material slated for open water disposal. In 2006, the USACE Engineer Research and Development Center conducted a risk assessment of the open water disposal of materials at MLH. The results of this risk assessment, based on existing data on contaminant concentrations in MLH dredged material, indicated that predicted hazards and risks from contaminant bioaccumulation to either humans or ecological receptors were unlikely

Location Description:

SF-12/SF-14

Latest Event:

04/01/2011 Additional information requested

MBNMS-2011-005 -

Effective Date: 04/01/2011

Expiration Date: 07/01/2012

Project Title: Collaborative Research: Benthic Exchange Events and Near Boundary Mixing on the Continental Shelf

Applicant Name: Dr. Erika McPhee-Shaw

Affiliation: Moss Landing Marine Laboratories

Project Summary:

The overall study timeline begins April 1, 2011 and ends by July 1, 2012, and is made up of three separate month long field periods: one in spring 2011 (April 4 - May 6), the second in fall 2011 (Sep 23 - Oct 26), and the third in spring 2012 (exact dates TBD). During each month long field period, several moorings will be deployed: (1) Benthic Station-1 deployed at mid-shelf depth (45-65 m), (2) a Vertical Profiler Station deployed ~2 km offshore from the Benthic Station (at ~65-80 m depth), and (3) two bottom mounted, long-range ADCPs in trawl resistant anchors. In addition, during the second and third field periods a long-range autonomous underwater vehicle (LRAUV) will perform two week-long surveys along a 12-km across shelf line that extends from ~10 km offshore and 2 km onshore from the Benthic Station-1. Lastly, from April 4 - Oct 26, a second Benthic Station ('USGS Benthic Station-2') will be deployed further offshore along our mooring line near the shelf break, at ~90 m depth.

Location Description:

southern shelf of Monterey Bay

Latest Event:

03/15/2011 Permit issued



MBNMS-2011-004

Effective Date: tbd

Expiration Date:

Project Title: California Coastal Commission Coastal Development Permit (CDP) 3-10-040, for Monterey Harbor Dredging and USACE PN 2009-00221S

Applicant Name: Mr. Charles Lester / Mr. Scheiblaeur

Affiliation: CA Coastal Commission

Project Summary:

Dredge up to 10,000 cubic yards of sediment annually for ten years at the Monterey Harbor/Marina (between Municipal Wharf's I and II), and deposit/dispose of dredge sediments through beach nourishment at two Del Monte Beach receiver sites just upcoast of Wharf II.

The City of Monterey Harbor Department proposes to dredge and use for beach nourishment up to 10,000 cubic yards of sediment annually for ten years at the Monterey Harbor and Marina in the City of Monterey, Monterey County. The Harbor Department would dredge in two general locations to a depth of -12 feet below mean lower low water, including in the area surrounding the 450 slip Marina and the Coast Guard Pier/Breakwater area, and would dispose of the dredged sediments at two sandy beach areas along Del Monte Beach upcoast of Municipal Wharf Number 2 in order to nourish the beaches

Location Description -

Latest Event:

MBNMS-2011-003 -

Effective Date: 06/01/2011

Expiration Date: 03/31/2012

Project Title: NPS "Tactical Oceanography" course environmental sampling

Applicant Name: Mr. Chris Miller

Affiliation: Naval Postgraduate School

Project Summary:

The Naval Postgraduate School will conduct approximately two 6-hr oceanography course cruises per year during the summer and winter quarters. Students will deploy and retrieve a



sub-surface mooring and collect sediment grabs.

Location Description:

Monterey Bay

Latest Event:

03/02/2011 Permit signed copy received

MBNMS-2011-002

Effective Date: 01/01/2012

Expiration Date: 12/31/2013

Project Title:

Creation of a shallow water Free Ocean CO2 Enrichment (FOCE) system for investigation of ocean acidification impacts off coastal

Applicant Name: Dr. Peter Brewer

Affiliation: Monterey Bay Aquarium Research Institute

Project Summary:

Additional info needed

Location Description

Within 400 m of the shore line immediately to the north of the Hopkins Marine Station (within Lovers Point State Marine Reserve)

Latest Event:

02/07/2011 Additional information requested

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:

Latest Event:

12/03/2010 Additional information 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:

Latest Event:

02/08/2011 Application denied

MBNMS-2010-030-A1 -

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:

This request is for a 2-month extension for dredge disposal operations only.



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

Location Description:

into the nearshore environment or into the surf line at Harbor Beach / Twin Lakes State Beach;

Latest Event:

02/17/2011 Amendment issued

MBNMS-2010-006

Effective Date: 07/01/2010

Expiration Date: 10/01/2010

Project Title: Limekiln State Beach Rock Slope Protection Project

Applicant Name: Ms. Cecilia Boudreau

Affiliation: Caltrans

Project Summary:

Caltrans is proposing a project to repair the existing rock slope protection (RSP) located along the northern 1/3 of Limekiln State Beach. Limekiln State Beach is located along State Route (SR) 1 at post mile 21.1 near Big Sur, Monterey County.

The ocean side embankment, which houses the north abutment of Limekiln Creek Bridge, is continually exposed to high energy surf and erosion due to its close proximity to the ocean and nearly vertical slope, see Attachment A: Site Photos. Previous attempts at protecting the embankment from coastal erosion include two crib walls, an attenuation wall and rock slope protection.

The embankment has been armored by existing RSP on three occasions since the mid 1990's.



The objective of placing the RSP was to protect the existing northern crib wall, which is continuously being battered by high surf. Previous placements of RSP as large as 12+ ton rocks have been pulled offshore by the tractive forces of wave action.

Location Description:

The portion of the project that lies on or below the MHW can be seen in Layout Sheet 1 of Attachment A: Project Mapping. For further clarification please see Attachment C: USGS 7.5 minute topographic map.

Longitude is -121.52058005W. Latitude is 36.00918659N.

Latest Event:

02/17/2010 Authorization issued

MBNMS-2009-036

Effective Date: 03/09/2009

Expiration Date: 03/08/2014

Project Title: Santa Cruz Fire Department MPWC Search & Rescue Operations, Marine Safety Division

Applicant Name: Mr. Rob Oatey

Affiliation: Santa Cruz Fire Department

Project Summary:

Activity Objectives: Develop and maintain public agency MPWC SAR operating skills critical for hazardous incident response at sea under adverse conditions.

Location Description -

Operator Training – Wilder Ranch, Terrace Point, Main Beach/Twin Lakes, and Manresa State Beach MPWC training areas (as delineated on the attached maps) and discretionary transit routes (that exclude surf zone transit) between Santa Cruz Small Craft Harbor and the training areas. Area Familiarization or Safety Patrols (at scheduled aquatic events identified in this permit) between Black Point and Needle Rock Point.

Latest Event:

03/30/2011 Permit issued



MBNMS-2009-020-A3

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:

The proposed activity will occur from approximately Lighthouse Point to the San Lorenzo River Mouth, offshore the City of Santa Cruz, and within the MBNMS.

Latest Event:

03/23/2011 Amendment issued

MBNMS-2009-014 -

Effective Date: 03/09/2009

Expiration Date: 03/08/2014

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.

Public agency SAR activities directly assist the sanctuary program

Location Description

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

Launch Areas:

- Moss Landing Harbor
- Fort Ord State Beach
- Monterey Harbor
- Asilomar State Beach
- Point Lobos (Whalers Cove) Launch Ramp
- Carmel City Beach (during emergency response only)
- Point Sur – south side (during emergency response only)

Latest Event:

03/09/2011 Permit signed copy received

MBNMS-2009-002-A3 -

Effective Date: 05/15/2011

Expiration Date: 05/15/2013

Project Title: Nearshore Processes: Cross shore Exchange and Graduate Student Education

Applicant Name: Dr. Jamie MacMahan

Affiliation: Naval Postgraduate School

Project Summary:



Objectives are to link the cross shore exchange between the surf zone and inner shelf by measuring offshore waves and currents, and underlying bathymetry along southern Monterey Bay beaches including Del Monte, Sand City, and Marina beaches. In 2011, a similar experiment will include Carmel River State Beach.

This project includes the use of scientific instruments, existing cables, Jet Ski and ATV surveys, dye discharges, and surface drogoue tracking. Essentially, this project is evaluating the long term (~10 years) measurements of waves and currents measured by wave ADCPs, breaking wave patterns to infer bathymetry (from time-lapse video), in situ bathymetry measured with a GPS equipped jet ski, and beach topography measured with a GPS equipped ATV.

This amendment also includes class projects in Elkhorn Slough. Permit holder is investigating tidal shear instabilities that cause cross channel mixing and longitudinal mixing in Elkhorn Slough.

Location Description:

The permitted activity is allowed in the vicinity of the Southern Monterey Bay from Wharf 2 to the Salinas river mouth (including Del Monte Beach, Sand City, and Marina); Carmel River State Beach; and Elkhorn Slough.

Latest Event:

03/03/2011 Amendment signed copy received

MBNMS-2008-028-A1

Effective Date: 07/07/2010

Expiration Date: 09/30/2013

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. It is essentially a continuation of approved activities as approved by CA Coastal Commission & Monterey County. 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 six locations along the Big Sur coast.

Location Description:

Latest Event:

02/10/2011 Permit not required

MBNMS-2007-030-A4

Effective Date: 01/01/2011

Expiration Date: 12/31/2013

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 a suite of research projects for deployment on the MARS cable. Two new projects are included in amendment A4. The suite of 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) Sys.
- *Monitoring Pelagic Biomass Fluxes in Monterey Bay
- *A Smart Sensor for Ocean Observation: System Design, Modeling, and Optimization
- *Technology Development for Geophysical Monitoring At Cabled Seafloor Observatories
- *Acoustic Communications System for Cabled Observatories
- *Reburial of the Mobb Replacement Cable
- *Looking Seismometer System
- *Mars Camera System
- * Sensors Powered By Benthic Microbial Fuel Cells; And
- * Development of Chemical Sensors and In-Situ Calibrations

Location Description -:



These projects will be connected to the trawl resistant science node at the end of the MARS cable.

Latest Event:

01/04/2011 Permit signed copy received

MBNMS-2005-010-A2

Effective Date: 03/01/2010

Expiration Date: 02/28/2015

Project Title: MBARI 5-year Research Permit

Applicant Name: Dr. Chris Scholin

Affiliation: Monterey Bay Aquarium Research Institute

Project Summary:

The Monterey Bay Aquarium Research Institute (MBARI) conducts a large and diverse suite of marine research projects each year, this permit allows for the conduct of many activities under one general permit.

Location Description

The permitted activities are allowed within the contiguous Monterey Bay National Marine Sanctuary.

A limited number of activities are allowed within the Davidson Seamount Management Zone (DSMZ; see DSMZ section of Special Terms and Conditions).

Latest Event:

02/22/2010 Permit signed copy received

