

MBNMS Permit Activity Report
April 6, 2007

MULTI-2007-003-A1 - Active

Effective Date: 02/28/2007

Expiration Date: 06/30/2009

Project Title: Factors maintaining a latitudinal gradient of sexuality in a pacific coast seaweed

Applicant Name: Ms. Stacy Krueger

Project Summary:

The objective of this research is to establish the pattern of reproductive effort in sexual and apomictic life cycle variants of *M. papillatus* with respect to tidal elevation and latitude.

Geographic parthenogenesis is a common spatial distribution pattern of sexual organisms and closely related counterparts, in which asexuals tend to be found in more extreme environments (e.g. northern latitudes). Despite being taxonomically widespread, the processes that maintain geographic parthenogenesis have remained relatively unaddressed. However in light of widespread ecosystem degradation, understanding these processes is important.

Location Description - Proposed:

Samples will be collected from the following sites from south to north: San Simeon Point, Piedras Blancas, Stillwater Cove, Lovers Point, Hopkins Marine Station, Pescadero State Beach, Bolsa Point, & Rockaway Beach, & Bodega.

Coordinates:

Latest Event:

03/01/2007 Amendment issued

MULTI-2007-003 - Active

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Expiration Date: 06/30/2009

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Coordinates:

Latest Event:

02/16/2007 Permit issued

MULTI-2007-002 - Active

Effective Date: 03/15/2007

Expiration Date: 12/31/2008

Project Title: North Central Coast Mapping Project (NCCMP)

Applicant Name: Dr. Rikk Kvitek

Project Summary:

The purpose of the NCCMP is to map all previously unmapped seafloor habitats between Ano Nuevo and Bodega Bay from the 20 m isobath out to the 3nm state waters limit. This mapping work is being conducted with a variety of remote sensing technologies (multibeam bathymetric sonar, sidescan sonar, sub-bottom profiling sonar, video camera sleds, and LIDAR) that will also require the collection of sediment grabs to groundtruth the results. The majority of the groundtruthing work will be conducted from aboard the MBNMS R/V Fulmar. The outcomes of this research will include publicly available, web-disseminated high-resolution maps of the seafloor habitats within the project area. The primary objective of the mapping effort is to support the designation and monitoring of the California Marine Protected Area Network being created as part of the Marine Life Protection Act Initiative. These results will also be of value to state, federal and local coastal resource management agencies, research in

Location Description - Proposed:

between Ano Nuevo and Bodega Bay from the 20 m isobath out to the 3 nm state waters limit.

Coordinates:

Latest Event:

02/09/2007 Permit issued

MBNMS-2007-010

Effective Date:

Expiration Date:

Project Title: Car Wreckage Removal Via Helicopter

Applicant Name: Mr. Troy Garber

Project Summary:

Using a Sikorsky S-58 helicopter Aris plans to lift an automobile wreckage off the shoreline at the 58th mile marker along Highway 1 in Big Sur near the area known as Hurricane Point. Aris ground personnel will arrive on site at least two hours prior to the lift at approximately 0530 or 0600 to survey the site and rig items to be lifted. The aircraft will arrive on site (from Moffett Field) at approx 0800.

Location Description - Proposed:

Coordinates:

Latest Event:

03/27/2007 Application received

MBNMS-2007-009

Effective Date: 04/16/2007

Expiration Date: 04/16/2012

Project Title: To conduct a variety of long-term monitoring programs in Elkhorn Slough

Applicant Name: Dr. Kerstin Wasson

Project Summary:

The ESNERR coordinates a variety of long-term monitoring programs in the estuarine ecosystems of Elkhorn Slough. The information from this monitoring is vital for tracking trends, informing restoration, supporting other research, and detecting emerging threats. The following five monitoring programs: Crab monitoring; mudflat community monitoring; bank erosion and habitat monitoring; tide monitoring; and water quality monitoring.

Location Description - Proposed:

within the MBNMS in Elkhorn Slough

Coordinates:

Latest Event:

04/06/2007 Permit issued

MBNMS-2007-008 - Pending

Effective Date: 04/15/2007

Expiration Date: 12/31/2007

Project Title: San Gregorio Fault at the Fitzgerald Marine Reserve

Applicant Name: Ms. Jennie Cook

Project Summary:

The purpose of this research is to characterize the structure of a large displacement (>90km) fault zone at multiple scales. Specifically we are investigating the development of fault zone structures (such as fractures and smaller faults) and the effect of lithification (the transition from sediment to rock) on fault properties from the outcrop- to microscale. The proposed research will be conducted on an exposure of the San Gregorio fault, part of the San Andreas Fault system, located at Moss Beach, CA in the Fitzgerald Marine Reserve (FMR).

The goal of this research is to complete a field characterization of the fault zone to determine the type and extent of pre- and post-lithification deformation, quantify fault zone fabric development through analysis of shape change within the fault zone using anisotropy of magnetic susceptibility, and evaluate the inferred fluid and cementation history. This work will provide insight into the evolution of fault zone properties, the type and

Location Description - Proposed:

Fitzgerald Marine Reserve near San Vicente Creek

Coordinates:

Latest Event:

04/05/2007 Permit issued

MBNMS-2007-007

Effective Date: 10/01/2007

Expiration Date: 11/01/2007

Project Title: Deployment of two prototype instruments known as station keeping buoys, which harness their energy from either wind, wave, or solar energy.

Applicant Name: Dr. Marcia McNutt

Project Summary:

The goal of this project is to conduct engineering and performance tests on these buoys. Additionally there would be approximately four acoustic tests (154db).

This project is sponsored by the Defense Advanced Research Projects Agency (DARPA/ DoD) with support activities provided by MBARI.

Location Description - Proposed:

within the Monterey Bay

Coordinates:

Latest Event:

02/09/2007 Additional information received

MBNMS-2007-006

Effective Date: 05/31/2002

Expiration Date: 05/31/2007

Project Title: NPDES WDR Permit No. CA0047961 for San Simeon Community Services district and Local Sewering Entity of Hearst Monument.

Applicant Name: Mr. Roger Briggs

Project Summary:

Renewal of this NPDES permit, proposed under Central Coast Regional Water Quality Control Board (RWQCB) Order No. R3-2002-046, is a continuation of discharging operations at the permittee's wastewater treatment plant.

Location Description - Proposed:

San Simeon

Coordinates:

Latest Event:

03/22/2007 Authorization issued

MBNMS-2007-005

Effective Date: 03/27/2007

Expiration Date: 03/27/2012

Project Title: NPDES Stormwater Management Program for the County of San Luis Obispo

Applicant Name: Mr. Roger Briggs

Project Summary:

As stated in the RWQCB staff report, the purpose of the SWMP is to comply with the mandatory requirements of the U. S. Environmental Protection Agency (USEPA) National Pollutant Discharge Elimination System (NPDES) Phase II Final Rule and the State Water Resources Control Board (SWRCB) Water Quality Order No. 2003-00005-DWQ, NPDES General Permit No. CAS000004, "Waste Discharge Requirements for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) General Permit (referred to as the "MS4 General Permit)". The USEPA developed the NPDES Phase II Final Rule under the authority of the Clean Water Act to reduce impacts to water quality from stormwater pollution. The State of California adopted the MS4 General Permit on April 30, 2003 to implement the NPDES Phase II Final Rule in California.

Location Description - Proposed:

San Simeon Community Services District, discharge outfall location; Cambria

Coordinates:

Latest Event:

03/09/2006 Authorization issued

MBNMS-2007-001

Effective Date:

Expiration Date:

Project Title: Temporary placement of two gabion walls at 12901 Cabrillo Hwy, Pescadero while house is relocated

Applicant Name: Honoric Andrew Kampe

Project Summary:

Temporary authorization for the placement of two gabion walls to replace two failed sections of an historic seawall to protect a single family residence, until such time that the residence is relocated to a safe distance from the bluff edge.

PROJECT LOCATION: 12901 Cabrillo Highway, Pescadero, San Mateo County

Location Description - Proposed:

on the beach below 12901 Cabrillo Highway, Pescadero, California

Coordinates:

Latest Event:

MBNMS-2006-032

Effective Date:

Expiration Date:

Project Title: Cambria Community Services District (CCSD) Desalination Project; Proposed Geotechnical Investigation Activities

Applicant Name: Mr. Robert Gresens

Project Summary:

The CCSD is proposing to conduct geotechnical and hydrogeological activities within the MBNMS at San Simeon State Beach as it relates to a potential future desalination facility.

An USACE EA will be prepared for this project.

Location Description - Proposed:

San Simeon State Park Beach

Coordinates:

Latest Event:

12/01/2006 Additional information requested

MBNMS-2006-031

Effective Date: 01/01/2007

Expiration Date: 03/01/2007

Project Title: USACE Federal Maintenance Dredging at Moss Landing Harbor

Applicant Name: Mr. Bill Brostoff

Project Summary:

The US Army Corps of Engineers is the lead agency for this project. The USACE completed a Draft EA for this project.

The proposed project is to remove approximately 50,000 cys of accumulated dredged material with a hydraulic cutter-head dredge or possibly a hopper dredge and discharge it either for beach nourishment or at the recently-relocated SF-12 disposal site.

Location Description - Proposed:

disposal of dredged material either at the beach nourishment location outside of MBNMS jurisdiction, or at SF 12.

Coordinates:

Latest Event:

11/07/2006 Additional information requested

MBNMS-2006-030

Effective Date:

Expiration Date:

Project Title: City of Santa Cruz Pilot Desalination Facility

Applicant Name: Ms. Linette Almond

Project Summary:

The CCC has received an application for a proposed pilot-scale desalination test facility to be constructed and operated by the City of Santa Cruz Water Department. The purpose of the proposed pilot scale facility is to allow for the gathering of information needed for the design and construction of a potential future full-scale Seawater Reverse Osmosis Desalination Plant.

Location Description - Proposed:

the proposed pilot-scale desalination project is located on University of California property

within the City limits of Santa Cruz.

Coordinates:

Latest Event:

10/04/2006 Additional information requested

MBNMS-2006-009

Effective Date:

Expiration Date:

Project Title: Filming of the movie "Oceans"

Applicant Name: Mr. Johann Mousseau

Project Summary:

They are in the production stage of a movie entitled "Oceans" which will film ocean creatures from around the world and highlight problems facing oceans today.

ADDITIONAL INFO REQUESTED....

Location Description - Proposed:

within the MBNMS

Coordinates:

Latest Event:

11/22/2006 Additional information requested

MBNMS-2006-008

Effective Date:

Expiration Date:

Project Title: Sink a Wreck Project

Applicant Name: Dr. Harry Wong

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

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 - Proposed:

Moss Landing Power Plant
Ocean Outfall

Coordinates:

Latest Event:

09/15/2006 Additional information requested