

MBNMS Permit Report

December 2013



MULTI-2013-007 - Active

Effective Date: 09/17/2013

Expiration Date: 03/31/2014

Project Title: Ecology and Population Dynamics of White Sharks in the Northeastern Pacific and Associated Filming of the Research Activities.

Applicant Name: Dr. Barbara Block

Affiliation: Stanford University

Project Summary:

White sharks are important apex predators in marine ecosystems. A genetically discrete population of white sharks exhibits strong site fidelity to a network of coastal locations within California's National Marine Sanctuaries. The Tagging of Pacific Predators (TOPP) project has been conducting White Shark research in the Monterey Bay and Gulf of the Farallones National Marine Sanctuaries (Sanctuaries) since 2005. The main objectives of TOPP's white shark research has been to: 1) determine population size and trajectory, 2) determine essential habitat, migration patterns and ecological niche, 3) investigate the physiological and environmental determinants of the white shark niche, and 4) examine the genetic structure of the northeastern Pacific population. The research has involved tagging white sharks and tracking their movements locally and regionally. For the 2013 season, TOPP will continue its research to conduct a more complete assessment of the population (census of the number of

Latest Event:

10/24/2013 Permit signed copy received

MULTI-2013-006 - Active

Effective Date: 08/09/2013

Expiration Date: 12/31/2015

Project Title: Dive behavior of humpback whales in the presence of ships

Applicant Name: Dr. James Harvey

Affiliation: Moss Landing Marine Laboratories

Project Summary:

Whales are vulnerable to contaminants, toxins, debris, noise, and ships when their distribution overlaps with human activities in productive coastal upwelling zones. Ship-whale interactions can be detrimental if lethal strikes affect an entire population. Ship strike research and mitigation efforts began on the east coast of the United States after North Atlantic right whale deaths from ship strikes began exceeding the species' potential biological removal limits. On the west coast, whale deaths are attributed to ship strikes annually, but research and mitigation have been minimal. Questions remain about how the presence of ships affects whale behavior. Studies by John Calambokidis have indicated that presence of ships alters the dive and foraging behaviors of whales. Blue whales off Santa Barbara were found to spend more time at the surface and less time foraging while ships were present. It is not known how the presence of ships would affect humpback whales. We will determine if

Latest Event:

08/30/2013 Permit signed copy received

MBNMS-2013-030 - Active

Effective Date: 11/08/2013

Expiration Date: 03/31/2014

Project Title: 2013-2014 Body Glove Mavericks Invitational Presented by GoPro

Applicant Name: Ms. Jessica Banks

Affiliation: Mavericks Invitational

Project Summary:

The proposed activity is the Mavericks Invitational surf contest to be held 1/2 mile off shore at the big wave surf spot known as "Mavericks", between November 9, 2012 - March 31, 2013, on a day that is typically a high surf warning. The event itself will feature 24 invited big wave surfers to compete in the day-long contest. Support boats and rescue MPWC's are critical to the safety of this event. In compliance with the requests of local agencies, there will be no spectator area at the beach or bluffs - a critical point that will be used in all of our communications and promotions. To accommodate the fans and crowds that this event draws, the event will include a Mavericks Surf Festival, to be held on the grounds of the Oceano Hotel, that will be the hub for the event.

Latest Event:

11/12/2013 Permit issued

MBNMS-2013-029 - Active

Effective Date: 08/07/2013

Expiration Date: 08/07/2014

Project Title: CCC - Coastal Development Permit Extension for recognizing as-built emergency revetment repair at 2866 South Palisades Ave ue in the unincorporated Li

Applicant Name: Mr. Tushar Atre

Affiliation: via California Coastal Commision

Project Summary:

Recognize as-built emergency revetment repair (including securing plastic sheeting against and across exposed soil deposits from the bluff top down to the existing bedrock platform; covering plastic sheeting with geo-textile fabric and securing the fabric to the bluff top; applying a veneer of shotcrete to the area of repair; reclaiming displaced riprap from beach area below existing bedrock platform; restacking of riprap atop an existing bedrock platform). Retrieve and restack fugitive rock riprap; construct infill vertical seawall between two existing vertical seawalls; and plant new cascading vegetation along bluff top.

Latest Event:

11/06/2013 Authorization issued

MBNMS-2013-028 - Active

Effective Date: 11/01/2013

Expiration Date: 10/31/2015

Project Title: Autonomous Underwater Glider Deployments for Environmental Monitoring

Applicant Name: Dr. Kevin Smith

Affiliation: Naval Postgraduate School

Project Summary:

The purpose of this project is to deploy and recover underwater gliders, and to test various engineering and data collection aspects of the gliders' operations. The underwater gliders are equipped with various environmental sensors. This project will be testing communication systems, new deployment and recovery hardware, new on-board data recording systems, and new sensors.

Gliders are approximately 9 feet long, 13 inches in diameter, 250 pounds, top speed of 2 knots, and capable of gliding operations between 10-200 meters. The gliders will have much of their body painted bright marine orange for improved visibility. Each will be marked with point of contact information.

Extended off the nose of the glider is an acoustic sensor provided by Office of Naval Research. On the underside, near the tail, is an AML Oceanographic Smart CTD (spec sheet provided). Each glider has a Tritech acoustic altimeter (PA200, spec sheet provided) with a maximum range of 100 m. The purpose of alti

Latest Event:

10/29/2013 Permit issued

MBNMS-2013-027 - Active

Effective Date: 11/13/2013

Expiration Date: 11/30/2015

Project Title: MLML class cruises aboard R/V Point Sur

Applicant Name: Mr. Stian Alesandrini

Affiliation: Moss Landing Marine Laboratories

Project Summary:

Moss Landing Marine Laboratories conducts education and research class cruises aboard their 135 foot research vessel Point Sur. 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 10 days per year (5 days each semester, typically in March and October) for MLML classes to augment both student research and class curriculum as well as for outreach to local Community

Colleges and area High Schools. Benthic trawling will be performed using both beam and otter trawls. The beam trawl mouth is approximately 5-foot wide and the otter trawls are 18-30 feet wide. Bottom trawl duration ranges from 10 to 20 minutes (relatively short). These trawls will be deployed and retrieved using the ship's frames an

Latest Event:

11/15/2013 Permit issued

MBNMS-2013-026

Effective Date:

Expiration Date:

Project Title: General oceanographic research and education

Applicant Name: Mr. Richard Verlini

Affiliation: Moss Landing Marine Laboratories

Project Summary:

Moss Landing Marine Laboratories (MLML) conducts education and research class cruises aboard their research vessel Point Sur. During these class cruises the seafloor is altered within 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 benthic trawls will be conducted per day and no more than 2 at any specific location. The research vessel Point Sur will perform no more than 50 sediment cores and 40 b

Latest Event:

11/15/2013	Record closed
10/22/2013	Application abandoned

MBNMS-2013-025 - Active

Effective Date: 10/01/2013

Expiration Date: 08/01/2016

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

Applicant Name: Mr. Joseph Shammass

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 pyrotechnics for approximately 20 minutes.

Latest Event:

09/25/2013	Authorization issued
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MBNMS-2013-024 - Active

Effective Date: 11/01/2013

Expiration Date: 11/01/2018

Project Title: Stillwater Yacht Club Harbor Moorings

Applicant Name: Mr. Charles Kurtmen

Affiliation: Stillwater Yacht Club

Project Summary:

To deploy approximately 30 seasonal temporary mooring on an annual basis to accommodate summer mooring traffic, sailing clubs and regattas, transient researchers, and opportunistic enforcement vessel anchorages.

The temporary placement of the buoys and tandem landing floats shall be within Stillwater Cove, Carmel Bay, Monterey County.

Latest Event:

09/25/2013 Permit issued

MBNMS-2013-023 - Pending

Effective Date: 12/05/2013

Expiration Date: 12/05/2018

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

Affiliation: RWQCB

Project Summary:

This RWQCB Permit is intended to authorize and regulate a wastewater collection, treatment, and disposal system which provides sewerage coverage to San Simeon and the Hearst Monument Visitor Center. A tertiary treatment package unit was constructed in 2012 to provide recycled water for irrigation use within the service area.

Latest Event:

10/01/2013 Authorization issued

MBNMS-2013-022 - Pending

Effective Date: 12/05/2013

Expiration Date: 12/05/2018

Project Title: Waste Discharge Requirements Npdes General Permit for Discharges From Aquaculture Facilities And Aquariums

Applicant Name: Mr. (RWQCB) Roger Briggs

Affiliation: Central Coast Region

Project Summary:

This Order (General Permit) is intended to authorize and regulate similar discharges from aquaculture facilities and aquariums (facilities that contain, grow, hold, or study aquatic species) to ocean waters of the State within the Central Coast Region. There are currently seven dischargers authorized by the General Permit including three research facilities, three commercial aquaculture facilities, and the Monterey Bay Aquarium.

Facilities authorized by the General Permit may discharge a variety of pollutants attributed to: (1) feeds, directly or indirectly (feces), (2) residuals of drugs used for maintenance of animal health, and (3) residuals of chemicals used for cleaning equipment or for maintaining or enhancing water quality conditions. Such pollutants can contribute solids and nutrients to receiving waters; and chemical and drug residuals raise concerns regarding toxicity of the discharges and the promotion of resistance to antibiotics.

Latest Event:

10/01/2013 Authorization issued

MBNMS-2013-021

Effective Date:

Expiration Date:

Project Title: Characterizing groundwater flow into the ocean at Lovers Point Beach

Applicant Name: Dr. Alexandria Boehm

Affiliation: Stanford University

Project Summary:

Latest Event:

08/06/2013 Additional information requested

MBNMS-2013-013

Effective Date:

Expiration Date:

Project Title: A World in One Cubic Foot: Portraits of Biodiversity Intertidal biodiversity along the California Coast

Applicant Name: Dr. Christopher Meyer

Affiliation: Smithsonian Institution, National Museum of Natural History

Project Summary:

Few of us take the time to observe the variety of creatures that can be found on close inspection. But Earth teems with life, much of it largely unseen and small in scale, yet spectacular under magnification. Look carefully at a small corner of forest floor or a coral reef. The creatures in each of these small environments are interacting

players that form the parts of vast machines-or ecosystems-upon which the health of the planet and its inhabitants depend. Documenting complete ecosystems, however, is a daunting task. How can scientists study every species in a forest, on a reef, in a stream, or within a meadow; what scale captures enough variation, while accounting for the significant functions of the ecosystem? What are manageable, representative subsets to tackle? The answer is "about one cubic foot"-a biocube. By focusing on a cubic foot of space, scientists can fully characterize complete representative communities to understand the interactions and predict impending impacts on

Latest Event:

03/28/2013 Application received

MBNMS-2013-011

Effective Date:

Expiration Date:

Project Title: California American Water, CalAm, Desal Slant Well Test

Applicant Name: n/a Kevin Thomas

Affiliation: on behalf of CalAm,

Project Summary:

On behalf of California American Water, RBF Consulting (RBF) is submitting this application to the Monterey Bay National Marine Sanctuary. The Temporary Slant Test Well, herein referred to as the "Project", is located in the northwest portion of the City of Marina, CA, located on Assessor Parcel Number 203-011-019-000. This parcel is owned by CEMEX, Inc. The Project is primarily located on the beach, approximately 0.5 miles north of the existing CEMEX facility. The siting of the Project site and access route is within the "swash zone" (wave run-up beach area), approximately 5 feet west of the mean high tide. The temporary slant test well will extend west, underground, approximately 800 linear feet.

The temporary test well Project will provide field data concerning geologic, hydrogeologic, and water quality characteristics of the Sand Dunes Aquifer, Salinas Valley Aquitard, and 180-foot Aquifer.

Latest Event:

03/27/2013 Additional information requested