

Issued MBNMS Permits, Amendments and Authorizations (10/1/17 to 11/28/17)

*Report created for the
December 15, 2017
Monterey Bay National Marine Sanctuary Advisory Council Meeting*

MBNMS-2017-046

Permit Type: Research

Permit Holder Name (Affiliation): Nicholas Seabaugh (Liquid Robotics Inc.)

Project Title: Wave height and vehicle dynamics

Project Location(s): throughout MBNMS

Permitted Activity: Temporary discharge of up to four (4) Wave Gliders for approximately 60 days per survey for up to two (2) surveys to conduct engineering testing to understand Wave Glider mechanical performance and ballasting in a variety of sea states and provide data to MBNMS for climate change information as requested.

Permitted dates: November 15, 2017 through March 31, 2018

Comments/Notes: Previous permit MULTI-2012-004 (A1 and A2)

MBNMS-2017-044

Permit Type: Research

Permit Holder Name (Affiliation): Pike Spector (San Diego State University)

Project Title: Characterizing how the loss of canopy forming algae affects patterns of net community production on temperate rocky reefs

Project Location(s): Carmel Bay

Permitted Activity: Alteration of the submerged lands and placing transect tape, cinderblocks, sensor stands and sensors on the submerged lands of the Sanctuary and temporarily discharging surface pelican floats into the Sanctuary for up to 48 hours up to four (4) times annually to quantify differences in carbon density, biodiversity and net ecosystem production (NEP) between kelp forests and adjacent urchin barrens, and how these differences vary across a latitudinal gradient.

Permitted dates: November 1, 2017 through November 30, 2018

Comments/Notes: Graduate research work. Permittee has CDFW SCP.

MBNMS-2017-042

Permit Type: Research

Permit Holder Name (Affiliation): Patrick Robinson (University of California, Santa Cruz)

Project Title: sUAS intertidal survey at Mud Creek Slide, Big Sur

Project Location(s): Big Sur NOAA regulated overflight zone around the area of Mud Creek Slide

Permitted Activity: Flying an Unmanned Aerial System(UAS) for up to six (6) surveys per year with each survey consisting of approximately six (6) individual flights at a minimum elevation of 20 feet and an average elevation of 30 feet within the Big Sur NOAA regulated overflight zone in MBNMS to conduct aerial surveys of the intertidal zone to monitor black abalone critical habitat.

Permitted dates: October 21, 2017 through October 21, 2022

Comments/Notes: Very specific mitigations are included in the Terms and Conditions of the permit.

MBNMS-2017-041**Permit Type:** Research**Permit Holder Name (Affiliation):** Chris Law (University of California, Santa Cruz)**Project Title:** Elucidating how prey hardness influences tool use frequency and bite performance in the southern sea otter**Project Location(s):** throughout MBNMS**Permitted Activity:** This permit authorizes alteration of the seabed for invertebrate collection using sediment suction dredging to a depth of 25 cm or until no remaining clams or siphons are visible and the associated temporary discharge of small mushroom anchor and a signal float, and alteration of the seabed for scraping of rock using hand tools to collect sea otter prey species to elucidate how prey hardness influences tool use frequency and bite performance in the southern sea otter.**Permitted dates:** October 13, 2017 through October 1, 2018**Comments/Notes:** Graduate research work. Applicant has applied for a SCP from California Department of Fish and Wildlife within state marine reserves, a Research Use Permit from Elkhorn Slough National Estuarine Research Reserve, and a Moss Landing Harbor District permit.**MULTI-2017-010-A1****Permit Type:** Research**Permit Holder Name (Affiliation):** Dr. Mark Carr and Dr. Pete Raimondi (University of California, Santa Cruz)**Project Title:** Partnership for Interdisciplinary Study of Coastal Oceans (PISCO)**Project Location(s):** GFNMS and MBNMS**Permitted Activity:** Alteration of the submerged lands and temporary discharge related to the installation, maintenance, and recovery of scientific instrumentation and equipment to conduct large scale, long-term subtidal and intertidal monitoring studies of coastal oceanographic processes, and rocky intertidal and kelp forest communities throughout the Sanctuaries.**Permitted dates:** November 1, 2017 through April 30, 2019**Comments/Notes:** Multiple Sanctuary permit for which MBNMS is the processing lead. Permittees have CDFW SCP and have had ONMS permits dating back to 1999.

If you are interested in learning more about a specific permit, amendment or authorization action, please contact:

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