

***Issued MBNMS Permits, Amendments and Authorizations  
(4/4/2019 to 6/3/2019)***

***Report created for the***

***June 21, 2019***

***Monterey Bay National Marine Sanctuary Advisory Council Meeting***

**MBNMS-2019-010**

**Permit Type:** Research

**Permit Holder Name (Affiliation):** Craig Gelpi (Catalina Marine Society)

**Project Title:** Monterey Bay Thermograph Array

**Project Location(s):** In water depths at 30 and 60 feet by the Santa Cruz Pier, around 36 57' 31.3"N, 122 01' 29.0"W, offshore of Moss Landing, around 36 48' 38.9"N, 121 47' 35.1"W, offshore of Breakwater Cove, around 36 36' 35.7N, 121 53' 38.5"W (within Edward F. Ricketts State Marine Reserve (SMCA)) and offshore of Monastery Beach, around 36 31' 26.1"N, 121 55' 44.1"W (within Point Lobos State Marine Reserve (SMR)) and Point Lobos State Reserve (State Park Unit)

**Permitted Activity:** Alteration of the submerged lands of the Sanctuary to attach up to eight (8) thermographs using a sand screw or anchor in soft substrate or a small eye-bolt on hard substrate, and discharge and recovery of up to eight (8) associated subsurface floats to mark the thermographs to investigate internal-wave behavior in coastal regions of the bay, measure ocean stratification, determine seasonal fluctuations, quantify across-bay temperature gradients, and discover episodic temperature events.

**Permitted dates:** July 1, 2019 through July 1, 2021

**Comments/Notes:** Work will be conducted outside of State Marine Protected Areas (MPAs) and/or outside California State Parks unless necessary permits or authorizations are obtained from other agencies such as California Department of Fish and Wildlife (CDFW) and California State Parks.

**MBNMS-2019-009**

**Permit Type:** Assist in Sanctuary Management

**Permit Holder Name (Affiliation):** Peggy Stap (Marine Life Studies, Whale Entanglement Team)

**Project Title:** Derelict Crab Pot Retrieval

**Project Location(s):** In Monterey Bay proper outside of Moss Landing

**Permitted Activity:** Alteration of submerged lands of the sanctuaries for landing the ROV, removing lost crab pots, and incidental contact of the seafloor with a grapple, while catching the lines in the water column, in order to remove lost fishing gear from MBNMS for a total of ten (10) days during the off season of crab fishing.

**Permitted dates:** July 15, 2019 through November 27, 2019

**Comments/Notes:** A Designated Retriever may retrieve lost or abandoned trap gear in an area starting 15 calendar days after the commercial Dungeness crab fishing season closes in that area pursuant to Fish and Game Code Section 8276 and until September 30 of that year.

### **MBNMS-2018-023**

**Permit Type:** Authorization

**Permit Holder Name (Affiliation):** Kailash Mozumder (City of Capitola)

**Subject/Location:** MBNMS Authorization of Coastal Development Permit (CDP) 3-18-0814 for the Capitola "Jetty" Rehabilitation Project

**Permitted Activity:** All activities are to be conducted in accordance with this MBNMS authorization and the California Coastal Commission's Coastal Development Permit (CDP) 3-18-0814 approved on 4/10/19 for the rehabilitation of the Capitola "jetty" that helps to form and maintain Capitola Beach, including retrieving and restacking jetty rock that has become dislodged over time and importing and adding approximately 380 cubic yards of new rock.

**Permitted dates:** through April 10, 2024

**Comments/Notes:** N/A

### **MULTI-2019-002**

**Permit Type:** Research and Education

**Permit Holder Name (Affiliation):** John O'Sullivan (Monterey Bay Aquarium)

**Project Title:** Deep sea coral collections in Monterey Bay National Marine Sanctuary (MBNMS), including within Davidson Seamount Management Zone, and Channel Islands National Marine Sanctuary (CINMS); How a live coral exhibit can motivate the public to understand the need to protect these unique deep water habitats and how corals held ex-situ can give insight into captive growth (husbandry) and by-catch survival.

**Project Location(s):** Throughout MBNMS and CINMS, except within federal marine reserves or marine conservation areas, and as specified in the Special Terms and Conditions

**Permitted Activity:** The following activities are authorized by this permit to showcase the unique animals, threats, research, education, and conservation topics associated with animals in the deep-sea environment through the Monterey Bay Aquarium's multi-year Deep Exhibition:

•Alteration of submerged lands of the sanctuaries for landing the ROV and collection of biological and geological samples, as follows:

- Collection of sponges and corals by the watch lead or ROV pilot after consultation with the Lead Scientist
- Collection of invertebrates, other than sponges and corals
- Collection for up to 95 kilograms per year of rock, shell, and benthic rubble

•Take (within limits listed above) and possession of sanctuary resources within Davidson Seamount Management Zone

**Permitted dates:** April 30, 2019 through December 20, 2020

**Comments/Notes:** Permittee has a valid California Department of Fish and Wildlife (CDFW) Scientific Collecting Permit (SCP) SC-2026 which is valid through 6/25/21.

### **MBNMS-2018-011-A1**

**Permit Type:** Research

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

**Project Title:** Wave height and vehicle dynamics

**Project Location(s):** MBNMS

**Permitted Activity:** Temporary discharge of up to four (4) Wave Gliders for nine (9) surveys of approximately 60 days per survey and for one (1) long-term survey up to five (5) months to conduct engineering tests to understand Wave Glider mechanical performance and ballasting in a variety of sea states.

**Permitted dates:** April 25, 2019 through April 25, 2021

**Comments/Notes:** Previous permits: MBNMS-2018-011, MBNMS-2017-046, MULTI-2012-004 (A1 and A2)

### **MBNMS-2019-008**

**Permit Type:** Research

**Permit Holder Name (Affiliation):** Kyle Shanebeck (University of Alberta)

**Project Title:** Acanthocephalan parasites of Sea Otters in their Intermediate Invertebrate Hosts

**Project Location(s):** Sandy substrate in MBNMS at 35 feet in depth or less outside of state Marine Protected Areas.

**Permitted Activity:** Alteration of the submerged lands of the Sanctuary for collection of invertebrates using crab traps (approximately a total of 75 soaks) and digging for clams using a hand shovel in sandy bottom areas for up to 8 days to investigate internal parasites of invertebrates upon which sea otters prey.

**Permitted dates:** May 1, 2019 through August 30, 2019

**Comments/Notes:** Permittee has Department of Fish and Wildlife Scientific Collecting Permit (SCP) GM-183110004-18330-001 Reference Title: General Collecting permit marine invertebrates

### **MBNMS-2018-036**

**Permit Type:** Research

**Permit Holder Name (Affiliation):** Marco Flagg (Desert Star Systems LLC)

**Project Title:** Long-term Field Validation and Software Integration for the SonarPoint underwater acoustic recording and localization system.

**Project Location(s):** soft substrate of Monterey Bay off of Moss Landing and Sunset/ Manresa beach

**Permitted Activity:** Alteration of the soft submerged lands for deploying recorder arrays, one synchronization pinger and associated anchors for up to 6 deployments (see details below in Permitted Activity Location and Special Terms and Conditions) and temporary discharge of buoys, recorder array components, anchors and chains to collect acoustic data; and abandonment of up to 24 steel plate 30-pound anchors as specified in the Special Terms and Conditions.

**Permitted dates:** March 25, 2019 through March 25, 2020

**Comments/Notes:** Requires pre-and post-deployment notification and collaboration with crab fishermen and researchers

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

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