

***Issued MBNMS Permits, Amendments and Authorizations
(6/1/2018 to 7/31/2018)***

***Report created for the
August 17, 2018***

Monterey Bay National Marine Sanctuary Advisory Council Meeting

MBNMS-2018-025

Permit Type: Authorization

Permit Holder Name (Affiliation): Marian Olin (Santa Cruz Port District)

Subject: Monterey Bay National Marine Sanctuary Authorization MBNMS-2018-025 of California Coastal Commission Coastal Development Permit 3-18-0160 for Santa Cruz Port District Annual Maintenance Dredging and Disposal Activities.

Project Location(s): Mud Creek Landslide Complex

Authorization of: dredging and disposal of: (1) 2,560,000 cubic yards of sandy entrance channel sediments onto Harbor-adjacent beaches or into the surf zone over ten years; (2) up to 20,000 cubic yards per year of sandy inner harbor sediment, or 10,000 cubic yards per year of sandy inner harbor sediment and 10,000 cubic yards per year of finer-grained inner harbor sediment (i.e., silts and clays) at a rate not to exceed 550 cubic yards of silts and clays per day, through an offshore pipeline into the nearshore environment; and (3) up to 35,000 cubic yards of inner harbor sediment at an upland site or at a federally approved offshore disposal site.

Comments/Notes: Previous permit MBNMS-2011-028

MBNMS-2017-024-A1

Permit Type: Research

Permit Holder Names (Affiliation): Dr. Scott Terrill and Dr. David Ainley (H. T. Harvey & Associates)

Project Title: Analysis of Seabird Population Trends in Monterey Bay Using an Observational Index of Species Composition and Relative Abundance

Project Location(s): Within Monterey Bay National Marine Sanctuary (see Special Terms and Conditions for further details).

Permitted Activity: Discharge of seabird attractant materials, specifically up to twenty (20) pounds of fish and invertebrates, including locally caught sardines, anchovies, mackerel, and/or squid per pelagic seabird research cruise for up to twenty-one (21) pelagic seabird research cruises per year; and up to one (1) quart of menhaden fish oil per pelagic seabird research cruise for up to twenty-one (21) pelagic seabird research cruises per year to collect observational counts and systematic estimates of seabirds (see Special Terms and Conditions for further details).

Permitted dates: August 1, 2018 through October 31, 2019

Comments/Notes: Changes made in this amendment from the previous permit can be summarized as follows: The valid dates of the permit have been extended for 1.5 years to October 31, 2019; The geographic extent of the permitted study area has been expanded to include approximately five (5) annual research cruises offshore of Half Moon Bay; And, the permitted number of annual research cruises increased from 18 to 21 annual research cruises. The Special Terms and Conditions were also updated and reflect the changes above.

MBNMS-2018-018

Permit Type: Research

Permit Holder Name (Affiliation): Miya Pavlock McAuliffe (Moss Landing Marine Labs/ California State University)

Project Title: Beach-shoreface cross-shore coupling and alongshore transport of littoral sediment along a rocky, embayed coastline: Monterey, CA

Project Location(s): Soft substrate at Point Pinos, Lover's Point, Agassiz Beach at Hopkins Marine Station, Boat Works Beach at Hopkins Marine Station, San Carlos Beach, and Del Monte Beach.

Permitted Activity: Alteration of the soft submerged lands of the Sanctuary to collect, by hand, approximately 180 two-ounce sand samples for a total of 22.5 pounds of sand from the beaches (see locations below) to analyze the sediment transport pathways along or among pocket beaches around the Monterey Peninsula.

Permitted dates: June 29, 2018 through June 29, 2019

Comments/Notes: Requested that the permittee apply for a SCP from CDFW

MBNMS-2018-016

Permit Type: Research

Permit Holder Name (Affiliation): Marko Jaakkola (ZIVKO Aeronautics and the Center for Interdisciplinary Remotely-Piloted Aircraft Studies (CIRPAS))

Project Title: Collecting air samples for boundary layer research at low altitudes, from boundary layer down to 100 feet above water

Project Location(s): NOAA regulated overflight zones (except the NOAA regulated overflight zone over Elkhorn Slough)

Permitted Activity: Conducting overflights below 1000 feet within the NOAA Regulated Overflight Zones in MBNMS, on the condition that the CIRPAS Twin Otter aircraft is one nautical mile or greater from shore, to collect air samples for boundary layer research.

Permitted dates: June 18, 2018 to September 30, 2018

Comments/Notes: previous permits: MBNMS-2016-012, MBNMS-2011-020 and (A1 through A4), MBNMS-2005-005 and MBNMS-2002-045

MBNMS-2018-017

Permit Type: Special Use Permit

Permit Holder Name (Affiliation): Ben Hall (Possible Worlds, LLC) and Corey Gineris (Astraeus Aerial Cinema Systems)

Project Title: COSMOS: Possible Worlds

Project Location(s): Grimes Ranch - 36918 Palo Colorado Rd. Carmel, CA. 93923

Permitted Activity: Flying an Unmanned Aerial System (UAS) for up to twenty individual flights per day at a minimum altitude of 100 feet within the Big Sur NOAA regulated overflight zone in MBNMS to film actors on the shoreline at Grimes Ranch for the show Cosmos: Possible Worlds

Permitted dates: June 14, 2018 to June 16, 2018

Comments/Notes: Fee assessed

MBNMS-2018-014

Permit Type: Research

Permit Holder Name (Affiliation): Daniel Gossard (Moss Landing Marine Labs)

Project Title: Distribution, Photobiology, and Lifecycle of *Pyropia nereocystis* in Central California

Project Location(s): Big Sur NOAA regulated overflight zone in MBNMS

Permitted Activity: Flying an Unmanned Aerial System (UAS) once per month for up to three (3) individual flights per day per site at a minimum altitude of 75 meters within the Big Sur NOAA regulated overflight zone in MBNMS to characterize the spatial distribution of Bull Kelp and epiphytism density of *Pyropia nereocystis* (see Special Terms and Conditions for further details).

Permitted dates: June 1, 2018 through September 1, 2019

Comments/Notes: CDFW SCP-13538

MBNMS-2018-013

Permit Type: Research

Permit Holder Name (Affiliation): John O'Sullivan and George Peterson (Monterey Bay Aquarium)

Project Title: Whale Falls in Monterey Bay: How sinking whales provide a food source for uniquely developed species in the deep sea.

Project Location(s):

The shoreline area of operations are defined by the coastline area from Carmel Bay (Monastery Beach) to Davenport.

Distance offshore for collecting drifting whales will not exceed 55 km.

Approximate sink site locations are:

Site #1 (MBARI site Whale 1018) 36.772°N, 122.083°W

Site #2 (MBARI site Whale 1820) 36.708°N, 122.105°W

Site #3 (MBARI's MARS site) 36.7123° N, 122.1868° W

Permitted Activity: To support the collection of invertebrate fauna of the genus *Osedax* (bone eating worms) for exhibit as part of the Monterey Bay Aquarium's upcoming Deep Experience Exhibit: Placing one (1) to three (3) railroad wheels per whale for up to three (3) whales over the period of the permit on the submerged lands of the Sanctuary (maximum of nine (9) railroad wheels); Abandonment of one (1) to three (3) railroad wheels per whale for up to three (3) whales over the period of the permit on the submerged lands of the Sanctuary (maximum of nine (9) railroad wheels); Discharging and recovering one (1) acoustic beacon per whale for up to three (3) whales over the period of the permit; Discharging and recovering nylon straps used to attach the wheels and beacons to each whale; Placing and recovering up to two (2) "bone cams" per year on the submerged lands of the Sanctuary to document post-sinking utilization of the whale; and Incidentally attracting any white shark within the sanctuary while towing a whale carcass from the shoreline to a sink site.

Permitted dates: May 22, 2018 through December 20, 2023

Comments/Notes: Site #1 is within Sanctuary Ecologically Significant Area (SESA) #6 and Site #3 is within SESA #7, no sinking within California State MPAs

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

Sophie De Beukelaer

Permit Coordinator and GIS Specialist
Monterey Bay National Marine Sanctuary
99 Pacific Street, Building 455A
Monterey CA 93940
Phone: (831) 647-1286
sophie.debeukelaer@noaa.gov