

Issued and signed MBNMS Permits, Amendments and Authorizations (7/22/2022 to 10/6/2022)

***Report created for the
October 21, 2022***

Monterey Bay National Marine Sanctuary Advisory Council Meeting

MBNMS-2022-012

Permit Type: Special Use Permit

Permit Holder Name (Affiliation): general public

Project Title: Discharge of cremated human remains, cremains, within Monterey Bay National Marine Sanctuary

Permitted Activity: The discharge of cremated human remains and associated non-toxic organic flowers and wreaths, which are readily decomposable, in the sanctuary.

Project Location(s): The permitted activity is allowed within MBNMS outside of the 3 nautical mile territorial sea.

Permitted dates: September 21, 2022 to September 21, 2027

Comments/Notes: The cover letter of MBNMS-2022-012 requires notifying EPA of the discharge of cremains. EPA has issued a general permit under the Marine Protection, Research and Sanctuaries Act (MPRSA) to authorize the burial of non-cremated and cremated human remains at sea. The MPRSA general permit authorizes the transportation and burial at sea of non-cremated and cremated human remains in ocean waters under specified conditions. The MPRSA general permit is published in the federal regulations at 40 CFR 229.1. The MPRSA general permit for burial at sea requires that EPA be notified of a burial at sea within 30 days following the event. All burials at sea conducted under the MPRSA general permit must be reported to the EPA Region from which the vessel carrying the remains departed.

MBNMS-2022-014

Permit Type: Research

Permit Holder Name (Affiliation): Juliano Calil (Virtual Planet Technologies) and Tiffany Wise-West (The City of Santa Cruz)

Project Title: West Cliff Drive Coastal Monitoring for Climate Adaptation and Regular Maintenance

Project Location(s): Within the NROZ offshore of West Cliff Drive in Santa Cruz, CA between, but not above, Natural Bridges and Point Santa Cruz

Permitted Activity: Conducting up to ten (10) low overflights at a minimum of 200 feet Above Sea Level (ASL) with uncrewed aircraft systems (UAS) within the NOAA regulated overflight zone (NROZ) offshore of Santa Cruz to collect aerial images, both video and still photographs, of the Santa Cruz coastline.

Permitted dates: September 19, 2022 and November 3, 2022

Comments/Notes: The permittees confirmed they would not fly over Natural Bridges State Beach so they are not applying for a permit from California State Parks.

MULTI-2022-006

Permit Type: Research

Permit Holder Names (Affiliation): James Behrens (University of California at San Diego, Scripps Institution of Oceanography)

Project Title: Coastal Data Information Program (CDIP) Waverider buoys in MBNMS and CBNMS.

Project Location(s): on soft substrate in the following location(s): (NDBC=National Data Buoy Center)

1. San Francisco Bar buoy (NDBC Station 46237, CDIP 142): within 0.5 nautical miles of 37.7876, -122.6326, Depth= 16.15 m (in MBNMS)
2. Point Santa Cruz buoy (NDBC Station 46269, CDIP 254): within 0.5 nautical miles of 36.934397, -122.033891, Depth= 19 m (in MBNMS)
3. Monterey Bay West buoy (NDBC Station 46114, CDIP 185): within 2 nautical miles of 36.7, -122.3426, Depth=1463 m (in MBNMS)
4. Point Cabrillo buoy (NDBC Station 46240, CDIP 158): within 0.5 nautical miles of 36.6263, -121.9071, Depth= 17.8 m (in MBNMS)
5. Point Sur buoy (NDBC Station 46239, CDIP 157): within 1 nautical miles of 36.3348, -122.1039, Depth= 369 m (in MBNMS)
6. Point Reyes buoy (NDBC Station 46214, CDIP 029): within 1 nautical miles of 37.9367, -123.4629, Depth= 550 m (in CBNMS)

Permitted Activity: This permit is limited to alteration of the submerged seafloor by deploying and retrieving six (6) research moorings, discharge of six (6) buoys with instrument packages and batteries and the associated moorings, maintenance, and abandonment of anchors of all moorings, except CDIP 158, every 5 (five) years (see special terms and conditions for additional information) to measure coastal environmental data.

Permitted dates: July 25, 2022 through July 1, 2027

Comments/Notes: **MBNMS Lead;** Previous permits: MULTI-2019-003-A1, MBNMS-2013-003, MBNMS-2013-003-A1, MBNMS-2013-003-A2, CBNMS-2015-001, CBNMS-2015-001-A1, CBNMS-2015-001-A2, CBNMS-2015-001-A3, MULTI-2018-001 and MULTI-2019-003

MULTI-2022-004

Permit Type: Research

Permit Holder Name (Affiliation): Alvaro Jaramillo (Alvaro's Adventures LLC)

Project Title: Determining presence, dynamics, and stability of storm-petrel (Hydrobatidae, Oceanitidae) "hotspots" off central California.

Project Location(s): within MBNMS, GFNMS, and CBNMS

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 thirty (30) pelagic seabird research cruises per year; and up to one (1) quart of menhaden fish oil per pelagic seabird research cruise for up to thirty (30) pelagic seabird research cruises per year to document the composition, location, and persistence of storm petrel hotspots.

Permitted dates: July 23, 2022 through June 1, 2027

Comments/Notes: special term and condition #9 requires use of the Spotter Pro app

MBNMS-2022-011

Permit Type: Research

Permit Holder Name (Affiliation): Jennifer Yin (Stanford University)

Project Title: Measuring mixing using multi-scale turbulence instruments

Project Location(s): The permitted activity is allowed in and on the soft submerged lands of the sanctuary at approximately 36°36'55.94"N, 121°53'47.07"W offshore of McAbee Beach, Monterey, CA

Permitted Activity: Placement on the soft submerged lands of MBNMS of an ADCP, thermistor mooring, a PVC frame, cables connecting the instruments, and anchors for the ADCP and

mooring. Alteration of the submerged lands to position up to eight sand anchors. Discharge and recovery/retrieval of camera frame, ADCP, PVC frame, cables, surface and subsurface floats, mooring components, anchors, and line.

Permitted dates: August 4, 2022 through September 30, 2022

Comments/Notes: previous permit: MBNMS-2020-005

MBNMS-2022-010

Permit Type: Research

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

Project Title: Measuring meteorological conditions for boundary layer research

Project Location(s): The permitted activity is allowed within NOAA regulated overflight zones (NROZs) offshore of Moss Landing and Santa Cruz in MBNMS. The northern boundary of the permitted activity is Davenport and the southern boundary of permitted overflights is the Carmel River.

Permitted Activity: Conducting approximately 10 low overflights below 1,000 feet above sea level (ASL) daily for up to one hour per day with a Twin Otter aircraft to collect air samples for boundary layer research.

Permitted dates: August 15, 2022 through November 30, 2022

Comments/Notes: previous permits: MBNMS-2021-019, MBNMS-2020-024, MBNMS-2018-016, MBNMS-2016-012, MBNMS-2011-020 (A1 through A4), MBNMS-2005-005 and MBNMS-2002-045; The tail number of the CIRPAS Twin Otter is 762256. Communications with the airplane may be established on the 123.475 MHz frequency. August 24, 2022, received email stating the airplane was grounded and flights under this permit were unlikely to be able to be conducted.

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