

***Issued and signed MBNMS Permits, Amendments and Authorizations (10/7/2022 to 11/21/2022)***

***Report created for the  
December 9, 2022***

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

**MBNMS-2022-022**

**Permit Type:** Research

**Permit Holder Name (Affiliation):** Pat Iampietro (California State University, Monterey Bay)

**Project Title:** Reproductive Capacity of Intertidal Sea Urchins along the Central Coast of California (Haupt)

**Project Location(s):** Over the intertidal zone of the Sea Otter Game Refuge in Monterey Bay National Marine Sanctuary at Soberanes Point, Garrapata State Park..

**Permitted Activity:** The purpose of this project is to assess the reproductive capacity of intertidal purple sea urchins in order to inform on the most effective way to manage intertidal urchin populations along the Central Coast. As part of the project, intertidal urchin habitats and food sources will be mapped, classified, and quantified using Uncrewed Aerial Systems (UAS; "drones") at Soberanes Point in Garrapata State Park.

**Permitted dates:** November 21, 2022 through November 30, 2022

**Comments/Notes:** CDFW issued a California Sea Otter Game Refuge Flyover Authorization on Nov 11, 2022 and UAS activity was added to CSUMB's State Parks permit on November 9, 2022.

**MBNMS-2022-016**

**Permit Type:** Research

**Permit Holder Name (Affiliation):** Steve Sartor (SkyTEM Canada Inc). and Katherine Dlubac (California Department of Water Resources)

**Project Title:** Airborne Electromagnetic Survey (AEM) of Monterey Bay

**Project Location(s):** Within NOAA regulated overflight zones (NROZs) offshore of Moss Landing and over Elkhorn Slough in MBNMS.

**Permitted Activity:** low overflights by a crewed aircraft flying at 250 feet above ground towing a sensor array at 100 feet above ground at parallel lines to shore and perpendicular to the shore and three transects over Elkhorn Slough for a total of approximately 2 hours of flight time over two days.

**Permitted dates:** November 1, 2022 and November 30, 2022

**Comments/Notes:** Flight activities over areas where sea otters are common (i.e. around Moss Landing Harbor, over Elkhorn Slough, and around Soquel Point) must be monitored. Flight activities at Salinas River mouth and Pajaro River mouth will also be monitored for bird disturbances.

**MBNMS-2022-014-A1**

**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:** October 31, 2022 and December 31, 2022

**Comments/Notes:** The expiration date was extended from November 3, 2022 to December 31, 2022 and the special terms and conditions were updated to reflect this change.

### **MBNMS-2022-018**

**Permit Type:** Authorization

**Permit Holder Name (Affiliation):** Suny McBride (Caltrans)

**Project Title:** Ocean Deposition of Talus from Waddell Bluffs

**Project Location(s):** specified locations in the vicinity of Waddell Bluffs at Highway 1, post mile markers 36.4/37.45 adjacent to the shoreline where the talus materials can be reached by ocean wave action, including atop the 600-foot-long rock revetment that protects the Waddell Creek beach parking lot and atop the revetment fronting Highway 1 extending up coast from the parking lot.

**Permitted Activity:** All activities are to be conducted in accordance with this authorization and the California Coastal Commission (CCC) Coastal Development Permit (CDP) 3-00-125-A11, as amended. Sediment stored on the seaward side of Highway 1 above the beach disposal site shall originate from the Waddell Bluffs Rockfall Project Area and may only be deposited onto the beach immediately adjacent to the highway embankment for dispersal by wave action in the late fall and early winter.

**Permitted dates:** October 24, 2022 through December 31, 2030

**Comments/Notes:** Previous permits: MBNMS-2000-043 and the amendments A1 to A7, MBNMS-2010-023, MBNMS-2015-042, and MBNMS-2020-026

### **MBNMS-2022-013**

**Permit Type:** Research

**Permit Holder Name (Affiliation):** John Ugoretz (California Department of Fish and Wildlife (CDFW))

**Project Title:** Coastal Pelagic Species Near-shore Cooperative Survey (CPS-NCS) overflights

**Project Location(s):** The permitted activities are allowed within NOAA regulated overflight zones (NROZs) offshore of Moss Landing, Santa Cruz and Big Sur in MBNMS.

**Permitted Activity:** The following activities supporting the development of sampling methodologies for estimating CPS biomass are authorized by this permit: Approximately ten (10) low overflights by a crewed aircraft at no less than 500 feet above sea level (ASL) to identify and assist in capture of sardine and anchovy schools by seine vessels.

**Permitted dates:** September 21, 2022 through July 31, 2023

**Comments/Notes:** NMFS issued a CPS exempted fishing permit (EFP) to the permit applicant. The permit number is EFPa-07/06-2022-2023 and authorizes take of CPS until June 30, 2023 as conditioned in the EFP. MBNMS has issued 4 previous permits for overflights for the CPS-NCS project: MBNMS-2019-020, MBNMS-2019-023, MBNMS-2020-023, and MBNMS-2021-017.

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

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