

**Issued and signed MBNMS Permits, Amendments and  
Authorizations (6/1/2022 to 7/21/2022)**

**Report created for the  
August 19, 2022**

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

**MBNMS-2020-010-A1**

**Permit Type:** Research

**Permit Holder Name (Affiliation):** Laird Henkel (California Department of Fish and Wildlife)

**Project Title:** Aerial surveys for sea otters in Monterey Bay National Marine Sanctuary

**Project Location(s):** within NOAA regulated overflight zones offshore of Santa Cruz and Moss Landing

**Permitted Activity:** Low overflight at no less than 200 feet above sea level (ASL) for approximately two days of effort each year by manned fixed-wing aircraft within NOAA regulated overflight zones in MBNMS to conduct an annual aerial census of the southern sea otter (*Enhydra lutris nereis*) population.

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

**Comments/Notes:** pre-flight notifications requested

**MULTI-2022-005**

**Permit Type:** Research

**Permit Holder Name (Affiliation):** Cameron Dunning (Sofar Ocean Technologies, Inc.)

**Project Title:** Validation testing of data acquisition and telemetry functions of surface wave monitoring buoys

**Project Location(s):** Within MBNMS: Offshore of Pillar Point between the following coordinates: Southernmost Buoy: 37°30'0.90"N, 122°31'57.68"W and Northernmost Buoy: 37°30'54.91"N, 122°32'21.48"W; Within GFNMS: Offshore of Marin County at the following coordinates: 37°45'14.00"N, 122°50'20.00"W

**Permitted Activity:** Within MBNMS: The permittee is hereby authorized to temporarily alter the seabed by installing five (5) moorings and attached buoys and scientific equipment in approximately 40-50 meters of water depth to collect oceanographic data. Each mooring will position a small (15-inch-in-diameter) surface buoy to collect in situ measurements of wave energy and direction. The moorings will be separated by a distance no more than 75-100 meters between mooring in the direction lateral to the principal direction of wave approach. And

Within GFNMS: The permittee is hereby authorized to temporarily alter the seabed by installing one mooring and attached buoys and scientific equipment in approximately 55 meters of water depth to collect oceanographic data. The mooring will position a small (16.4-inch-in-diameter) surface buoy to collect in situ measurements of wave energy and direction.

**Permitted dates:** June 27, 2022 to June 30, 2023

**Comments/Notes:** GFNMS lead (Max)

**MBNMS-2022-008**

**Permit Type:** Special Use Permit

**Permit Holder Name (Affiliation):** John Ehlers (American Legion Post 432)

**Project Title:** Annual July 4 Fireworks Event at Shamel Park

**Permitted Activity:** Discharge of firework displays debris in MBNMS on July 4 of each year this permit is valid, provided beach clean-up events are conducted, and a biological monitor is engaged in wildlife surveys. These provisions are further described in the special terms and conditions and the attached wildlife survey guidelines.

**Project Location(s):** Shamel County Park in Cambria, San Luis Obispo County

**Permitted dates:** July 4, 2022 to July 5, 2022

**Comments/Notes:** due to high winds, the fireworks event was canceled

**MBNMS-2018-030-A1**

**Permit Type:** Research

**Permit Holder Name (Affiliation):** John Joseph (Naval Postgraduate School)

**Project Title:** Surveillance towed array sensor system (SURTASS) Settlement: Sanctuary Soundscapes

**Project Location(s):** MB01: 36.798, -121.976 (HF SoundTrap500 at the confluence of Soquel Canyon and Monterey Canyon); MB02: 36.648, -121.908 (HF SoundTrap500 offshore of the Monterey Peninsula); MB03: 36.36855, -122.31473 (High-frequency acoustic recording package (HARP) at Sur Ridge); and MB05 at La Cruz Canyon: 35. 7668, -121. 4324 (Soundtrap600 [ST600] at the head of La Cruz Canyon)

**Permitted Activity:** Placement on the submerged lands of the sanctuary, discharge and recovery of four passive acoustic subsurface moorings at four unique locations to characterize the soundscape of MBNMS. Abandonment of up to 60 anchors made of two 45-pound steel weights or 100-pound iron plates.

**Permitted dates:** April 22, 2022 through April 22, 2027

**Comments/Notes:** Amended permit to include a new type of soundtrap recorder at a new location, to update number of anchors authorized to be abandoned under this amendment, and to extend the expiration date of the permit to May 23, 2027.

**MBNMS-2022-007**

**Permit Type:** Research

**Permit Holder Name (Affiliation):** Falk Feddersen (Scripps Institution of Oceanography, University of California San Diego)

**Project Title:** Rocky Shores Experiments and Simulations (ROXSI) uncrewed aircraft systems (UAS) surveys

**Project Location(s):** The permitted overflight activities are authorized offshore of Garrapata State Park, within the NOAA regulated overflight zone offshore of Big Sur. The temporary discharge of the sUAS "Eagle" is authorized offshore of Asilomar State Beach, China Rock in Pebble Beach, CA, and offshore of Garrapata State Park.

**Permitted Activity:** Temporary discharge for approximately 50 sea surface landings per year of the Naval Research Laboratory's (NRL's) small uncrewed aircraft systems (sUAS) "Eagle" during echosounder measurements and conducting approximately 156 overflights with UAS

within the NOAA regulated overflight zone offshore of Big Sur in 2023 to quantify surface wave characteristics and conduct bathymetric surveys to support the Rocky Shores Experiments and Simulations (ROXSI) project. Up to 13 UAS flights, for up to 60 minutes each, can be conducted per day. UAS flights will be conducted at no less than 20 meters Above Sea Level (ASL) with the exception of UAS flights conducted with the sUAS Eagle which will be landed on the water as noted above.

**Permitted dates:** from June 7, 2022 through September 1, 2023

**Comments/Notes:** Associated with Naval Postgraduate School's activities under MBNMS-2017-037-A2 for the ROXSI project.

### **MBNMS-2018-039-A3**

**Permit Type:** Research

**Permit Holder Name (Affiliation):** Jan Freiwald (Reef Check California)

**Project Title:** Urchin and Kelp Restoration Experiments.

**Project Location(s):** Tankers Reef and Fullers in Big Sur

**Permitted Activity:**

Urchin research at Tankers Reef:

- Alteration of the submerged lands for the installation and removal of a total of approximately 65 eyebolts or earth anchors, each with one (1) associated PVC identification tag. If bolts cannot be removed without damaging the surrounding natural area, they may be abandoned.
- Placing and recovering lines on the submerged lands.
- Discharge and recovery of zip ties and plastic flagging tape.
- Discharge of epoxy to install bolts.

Urchin research at Fullers in Big Sur:

- Alteration of the submerged lands for the installation and removal of a total of approximately 20 eyebolts or earth anchors, each with one (1) associated PVC identification tag. If bolts cannot be removed without damaging the surrounding natural area, they may be abandoned.
- Placing and recovering lines on the submerged lands.
- Discharge and recovery of zip ties and plastic flagging tape.
- Discharge and recovery of two thermistors
- Discharge of epoxy to install bolts.

**Permitted dates:** June 6, 2022 through April 1, 2024

**Comments/Notes:** A CDFW permit is not needed as all urchin removals at Tankers Reef and Fullers are done by commercial fishermen under their commercial urchin fishing permit.

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

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