

**MBNMS Research Activity Panel  
Meeting Summary  
January 13, 2023**

**Location:** Virtual Meeting (information available upon request; erica.burton@noaa.gov)

**Date:** Friday, January 13, 2023; 9:00 am to 12:00 pm

**Members:**

|   | <b>Discipline</b>           | <b>Primary/<br/>Alternate</b> | <b>Name</b>             | <b>Institution</b>                                     |
|---|-----------------------------|-------------------------------|-------------------------|--|
| X | Research Coordinator        |                               | DeVogelaere, Andrew     | Monterey Bay National Marine Sanctuary                 |
| X | Biological Oceanography     | primary                       | Ruhl, Henry             | Central and Northern California Ocean Observing System |
|   | Biological Oceanography     | alternate                     | Kudela, Raphael         | University of California, Santa Cruz                   |
| X | Deep-Sea Environment        | primary                       | Cailliet, Greg          | Moss Landing Marine Laboratories (retired)             |
| X | Deep-Sea Environment        | alternate                     | <b>Haddock, Steve</b> † | Monterey Bay Aquarium Research Institute               |
|   | Estuarine Environment       | primary                       | Clark, Ross             | Central Coast Wetlands Group                           |
|   | Estuarine Environment       | alternate                     | Wasson, Kerstin         | Elkhorn Slough NERR and Foundation                     |
| X | Fisheries                   | primary                       | Lindley, Steve          | NOAA Fisheries Service                                 |
|   | Fisheries                   | alternate                     | Owens, Brian            | California Department of Fish and Wildlife             |
|   | Marine & Coastal Geology    | primary                       |                         |  |
|   | Marine & Coastal Geology    | alternate                     | Wagner, Amy             | California State University, Sacramento                |
|   | Marine Conservation Biology | primary                       | Goldbogen, Jeremy       | Hopkins Marine Station                                 |
|   | Marine Conservation Biology | alternate                     | Micheli, Fiorenza       | Hopkins Marine Station                                 |
| X | Nearshore Environment       | primary                       | Southall, Brandon       | Southall Environmental Associates, Inc.                |
| X | Nearshore Environment       | alternate                     | Carr, Mark              | University of California, Santa Cruz                   |
| X | Physical Oceanography       | primary                       | Cheriton, Olivia        | United States Geological Survey                        |
| X | Physical Oceanography       | alternate                     | Orescanin, Mara         | Naval Postgraduate School                              |
|   | Shelf & Slope Environment   | primary                       | Lindholm, James         | California State University, Monterey Bay              |
|   | Shelf & Slope Environment   | alternate                     |                         |  |
| X | Social Sciences             | primary                       | Pomeroy, Carrie         | University of California, Santa Cruz                   |
| X | Social Sciences             | alternate                     | Scorse, Jason           | Middlebury Institute of International Studies          |
| X | Water Quality               | primary                       | Hunt, John              | University of California, Davis                        |
|   | Water Quality               | alternate                     | Hoover, Bridget         | Monterey Bay National Marine Sanctuary                 |

\*Sanctuary Advisory Council Member: Research (Primary)

†Sanctuary Advisory Council Member: Research (Alternate)

**RAP Coordinator:**

|   |               |  |
|---|---------------|--|
| X | Burton, Erica | Monterey Bay National Marine Sanctuary |
|---|---------------|--|

**GUESTS:**

|                  |  |
|------------------|--|
| Behl, Robert     | Monterey Marine Innovation Project                                       |
| Brown, Jennifer  | ECOS Consulting, LLC   |
| Crandell, Greg   | Member of the public   |
| Grimmer, Karen   | Monterey Bay National Marine Sanctuary                                   |
| King, Chad       | Monterey Bay National Marine Sanctuary                                   |
| Lonhart, Steve   | Monterey Bay National Marine Sanctuary                                   |
| Provost, Mikaela | NOAA Southwest Fisheries Science Center, Environmental Research Division |
| Roletto, Jan     | Greater Farallones National Marine Sanctuary                             |
| Rootsaert, Keith | MBNMS Advisory Council member (Diving, alternate)                        |
| Wooninck, Lisa   | Monterey Bay National Marine Sanctuary                                   |

**RAP BUSINESS: LEADERSHIP UPDATE**

Advisory Council Recruitment and RAP Leadership (Erica Burton)

- Erica provided update on Advisory Council recruitment for Research seats (and RAP leadership).
- Research primary and alternate members will be sworn-in at the [February 17<sup>th</sup> Advisory Council meeting](#).
- Due to large turn-over of Advisory Council members, and time gap between termed-out members and swearing-in new, members who re-applied (e.g., Steve Haddock) were asked to continue serving during this time gap. Steve Haddock (Research alternate; and RAP vice-chair) agreed.
- Brandon Southall (primary; 1<sup>st</sup> time serving) and Steve Haddock (alternate; 3<sup>rd</sup> and final term) will represent research on Advisory Council; and RAP Chair and Vice-chair, respectively.
- In addition, RAP members not renewing 3-year terms:
  - Susan Sogard (Shelf & Slope Environment); service: Sept 2013 – Sept 2022
  - Olivia Cheriton (Physical Oceanography) service: May 2014 – May 2023
- After Advisory Council members are sworn-in, the [RAP membership committee](#) will discuss recruitment of vacant disciplines (see member list above).

**CONSENT ITEMS**

Introductions/Modifications to the Agenda (Andrew DeVogelaere)

**SANCTUARY RESEARCH UPDATE**

New Applied Research App (Andrew DeVogelaere)

- Scientists and students are increasingly looking for ways to apply their research. Science users (e.g., resource managers and media) are often looking for scientists to help them with a specific topic. These separate groups often don't know who to contact for their specific needs, so they contact the people with "one foot in each camp" (e.g., Andrew) and ask them to make introductions.
- Andrew is working to create an App to match these separate groups of people (like a dating app) to more efficiently develop science sharing relationships and useful products for a broad audience.
- RAP members will be asked to test a beta version of the app.

## HOST PRESENTATION AND DISCUSSION

Climate Vulnerability Assessment of Species Managed by California Department of Fish and Wildlife (Mikaela Provost/NOAA Southwest Fisheries Science Center, Environmental Research Division)

- Mikaela is a post-doc with the NOAA Fisheries office in Monterey (Environmental Research Division), and working for California Department of Fish and Wildlife on Climate Vulnerability Assessment (CVA) for 34 state-managed species
- The CVA design includes the following:
  - Vulnerability components (e.g., sensitivity attributes, exposure factors)
  - Expert-based scoring
  - Uncertainty and data quality
  - Calculation of vulnerability ranks
- Mikaela is helping collate the information
- CDFW staff is helping fill the information gaps
- Experts are scoring and CDFW are reviewing expert scores
- RAP discussion ensued with much interest.
- No decisions or actions

## SANCTUARY ADVISORY COUNCIL UPDATE

Summary of December Advisory Council Meeting (Steve Haddock)

- Today, Steve was a listening-only participant due to losing his voice.
- Lisa Wooninck (MBNMS Superintendent) provided highlights of the Advisory Council meeting.
- For meeting minutes, see: <https://montereybay.noaa.gov/sac/sacma.html>

## SANCTUARY RESEARCH UPDATE

Kelp Recovery and Restoration Proposal: Response to Comments from RAP Subcommittee (Steve Lonhart/MBNMS and Mark Carr), and

Advisory Council Request: RAP to Evaluate in MBNMS Suggested/Proposed Options for Science to Inform Monitoring, Recovery, and Restoration of Kelp Forests (Andrew DeVogelaere)

- Lisa Wooninck provided background on the office priority of iconic kelp forests, and plans to move forward with the RAP, AC and staff
- Advisory Council (AC) passed motion at December meeting for the RAP to “evaluate in MBNMS suggested/proposed options for science to inform monitoring, recovery, and restoration of kelp forests.”
- Andrew DeVogelaere provided background on RAP kelp request/proposal process to date
- Mark Carr summarized changes made to the kelp projects document that RAP provided comments on
- RAP discussed the issue briefly
- **ACTION**: Andrew suggested the following path forward:
  - MBNMS staff work with Mark Carr on an Executive Summary;
  - Circulate Executive Summary among the RAP;

- RAP vote by email to forward evaluation/endorsement to Advisory Council ahead of February AC meeting (the memo needs to be sent to the AC by Feb 3rd); and
- Steve Haddock (vice-chair) presents memo at Feb. 17<sup>th</sup> Advisory Council meeting.
- Wooninck, Carr and RAP agreed.

## **ED RICKETTS AWARD AND LECTURE**

### 2023 Ricketts Award (Erica Burton)

- Erica reminded RAP that 2023 Ricketts Award nominations (with justifying paragraph) are due January 18<sup>th</sup>.
- Ed Ricketts Memorial Award and Lecture description and criteria:
  - This is recognition for lifetime achievement in the field of marine science, based in part on studying natural history and excellence in teaching. A major criterion is the ability to give an excellent lecture. Nominees do not have to be local to the Monterey Bay area.
  - History of the award and recipient abstracts can be viewed at: <https://montereybay.noaa.gov/research/ricketts.html>
- It has been suggested that the RAP consider a more diverse candidate list (e.g., women and people of color).
- RAP discussed revising the criteria to broaden the pool of potential recipients, but did not rework the criteria.
- For 2023, RAP members should consider casting a wider net and include justification beyond existing criteria.
- **ACTION**: nominations due January 18<sup>th</sup> to Erica Burton.

## **RAP BUSINESS**

### 2023 Meeting Frequency, Schedule and Hosts (Erica Burton)

- Erica reported that frequency of 2023 Advisory Council (AC) meetings reduced from six to four meetings per year (Feb, May, Aug, Nov).
- RAP has option to also reduce frequency of meetings to quarterly, which could simply follow one month after AC meetings (to accommodate potential AC requests to RAP).
- RAP did not have strong opinion to remain status quo (5/yr), nor strong opinion as to what meeting gets dropped or moved.
- RAP discussed keeping the March 10<sup>th</sup> meeting, at which time new RAP leadership will have been sworn-in (Feb. 17<sup>th</sup> AC meeting).
- **ACTION**: Erica will make decision that makes administrative sense, and discuss with RAP leadership.

## **QUICK UPDATES ON NEW HIRES AT INSTITUTIONS, AND FACILITY UPDATES**

- No decisions or actions

## **SUGGESTED FUTURE AGENDA ITEMS**

- Social Science topics (potential for March meeting):
  - Jason Scorse: White Shark public education
  - Carrie Pomeroy: Collaborative kelp research; and rock crab fishery closure and impacts

- Keith Rootsart (Diving representative on Advisory Council) would like to present on kelp restoration efforts
- Brandon Southall: wind energy and marine mammals/turtles project
- Andrew DeVogelaere: update on proposed Chumash Heritage national marine sanctuary

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**Future Agenda Items (running list):**

- MBA’s Conservation and Science Program update
- MPAs as monitors/buffers of climate change (e.g., recent OPC presentation at Advisory Council; Micheli’s recent newspaper article)
- Funded project on kelp as ecological-social systems in Monterey and Mendocino areas (C.Pomeroy and M.Carr)
- Update on nitrogen loading in local watersheds (by Holly Bowers/Ross Clark; initially presented March 2022 RAP meeting)
- More offshore wind energy and mapping fishing grounds (requested by C.Pomeroy)
- Future updates on offshore wind energy (requested by J.Scorse)
- Update on seal bomb issue (requested by J.Scorse)
- Trends in Benthic Community Composition in Monterey Bay: 2001 – 2020; 20-year time series of water and sediment quality monitoring by CCLEAN (requested by J.Hunt)

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**2023 RAP Meeting Schedule and Locations**

| <b>Date</b> | <b>Hosts</b> | <b>Location</b>                        |
|-------------|--------------|--|
| January 13  | Lindley      | Virtual Meeting (until further notice) |
| March 10    |              | Virtual Meeting (until further notice) |
| May 12      |              | Virtual Meeting (until further notice) |
| September 8 |              | Virtual Meeting (until further notice) |
| November 3  |              | Virtual Meeting (until further notice) |