

**MBNMS Research Activity Panel  
Meeting Summary  
September 9, 2022**

**Host:** Henry Ruhl – Biological Oceanography (Central and Northern California Ocean Observing System)

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

**Date:** Friday, September 9, 2022; 9:00 am to 12:00 pm

**Members:**

	<b>Discipline</b>	<b>Primary/ 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
X	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
X	Fisheries	alternate	Owens, Brian	California Department of Fish and Wildlife
	Marine & Coastal Geology	primary		
X	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
	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
	Physical Oceanography	alternate	Orescanin, Mara	Naval Postgraduate School
	Shelf & Slope Environment	primary	Lindholm, James	California State University, Monterey Bay
	Shelf & Slope Environment	alternate	Sogard, Susan	NOAA Fisheries Service (retired)
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	<b>Hunt, John</b> *	University of California, Davis
X	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**

Adler, Jenny	Jennifer Adler Photography
Behl, Robert	Monterey Marine Innovation Project
deMesa, Rhetta	California Energy Commission
Flint, Scott	California Energy Commission
Gray, Laura	Ocean Associates, Inc/NMFS Office of Protected Resources
Grimmer, Karen	Monterey Bay National Marine Sanctuary
Gustafson, Rebecca	Monterey Bay National Marine Sanctuary
Hayes, Dawn	Monterey Bay National Marine Sanctuary
King, Chad	Monterey Bay National Marine Sanctuary
Lonhart, Steve	Monterey Bay National Marine Sanctuary
McInnis, Margarita	California Department of Fish and Wildlife
Munson, Calvin	UC Santa Cruz
Parker, Haven	Monterey Bay National Marine Sanctuary
Taha, Hala	National Institute of Oceanography and Fisheries, Alexandria, Egypt
Wooninck, Lisa	Monterey Bay National Marine Sanctuary

**CONSENT ITEMS**

Introductions/Modifications to the Agenda (John Hunt)

- Superintendent, Dr. Lisa Wooninck, thanked the RAP for their service. She conveyed the extreme value of MBNMS RAP input on sanctuary issues, including kelp research agenda item today and upcoming webinization of Condition Reports.

**SANCTUARY ADVISORY COUNCIL UPDATE**

Summary of June and August Advisory Council Meetings (John Hunt)

- John presented brief summary of Advisory Council Meetings
- For meeting minutes, see: <https://montereybay.noaa.gov/sac/sacma.html>

Advisory Council Recruitment: Research Seats (John Hunt)

- John provided update on upcoming recruitment process.
- Recruitment for Council seats (including Research primary and alternate) will be advertised in September (possibly by September 16<sup>th</sup>), reviewed by panel in October/November, and seated on Council in December.
- Both Brandon Southall and Steve Haddock expressed their intent to apply for the open positions, primary and alternate, respectively. This would be Brandon's first term serving on Council, and Steve's last term.
- RAP expressed support for Brandon Southall and Steve Haddock.
- **ACTION**: John Hunt to send email to Superintendent on behalf of RAP, expressing RAP support for both Southall and Haddock.

**HOST PRESENTATION AND DISCUSSION**

CeNCOOS Program Update (Henry Ruhl)

- Henry provided overview of program, including staffing, vision, mission, and strategies.
- Brief summaries of data production, curation, and delivery projects included the following:
  - California Ocean Observing System Data Portal
  - SST marine heatwave classification
  - Harmful algal blooms (SF Bay and offshore)

- Marine Biodiversity Observation Network (MBON) products, and postdoctoral scholar position
- CA IOOS MPA project and data products
- Automated processing of marine visual data (Ocean Vision AI; machine learning)
- Synchro: Co-design lab for synchronizing technology evolution for industry, ocean science and conservation.
- For more information, see: <https://www.cencoos.org/>

## **MBNMS RESEARCH UPDATE**

RAP Recommendations on Kelp Research and Restoration (Steve Lonhart/MBNMS and Mark Carr)

- Steve Lonhart and Mark Carr presented overview of kelp issue and portions of draft document previously provided to RAP members, “Recovery and restoration of kelp forest ecosystems in central California”
- RAP discussed if and how they would provide feedback to Council and/or MBNMS staff.
- John Hunt asked for RAP volunteers to serve on subcommittee to review issue/document and determine which parts of 10-part plan is applicable/useful to MBNMS. Several members expressed interest to participate.
- **ACTION:** Subcommittee will review and return issue to November 4<sup>th</sup> RAP meeting to make recommendation(s) in time for December 9<sup>th</sup> Advisory Council meeting.

## **PRESENTATION REQUESTED BY RAP**

Offshore Wind Energy Update (Brian Owens and Margarita McInnis/CDFW)

- Brian introduced Marge McInnis, who provided update on offshore wind energy activities and timeline.
- More information can be viewed on BOEM website: <https://www.boem.gov/renewable-energy/state-activities/california>

## **ED RICKETTS AWARD AND LECTURE**

2022 Ricketts Award and Lecture Event Update (Erica Burton)

- Erica provided updated details of lecture event.
- Rick Starr is the 2022 award recipient, and will deliver lecture at Sanctuary Exploration Center on the evening of Wednesday October 26<sup>th</sup>; “[Chasing Seascapes: Patterns of Scale and Connectivity in Coastal Oceans](#)”
- Event will be held in-person with a virtual option; details will be shared soon.
- For more information, see: <https://montereybay.noaa.gov/research/ricketts.html>

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

- No decisions or actions

## **SUGGESTED FUTURE AGENDA ITEMS**

- Kelp research and restoration review by RAP subcommittee (Nov 4<sup>th</sup> meeting)
- Fish chorusing and climate change (Nancy Foster Scholar, requested by A.DeVogelaere)
- More offshore wind energy and mapping fishing grounds (requested by C.Pomeroy)
- Future updates on offshore wind energy (requested by J.Score)

- Update on seal bomb issue (requested by J.Scorse)

\*\*\*\*\*

**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 SAC; Micheli’s recent newspaper article)
- Microplastics in Monterey Bay National Marine Sanctuary: Current and future research to guide management (Matt Savoca/Hopkins Marine Station)
- Funded project on kelp as ecological-social systems in Monterey and Mendocino areas (Pomeroy/Carr)
- Update on nitrogen loading in local watersheds (by Holly Bowers/Ross Clark; initially presented March 2022 RAP meeting)

\*\*\*\*\*

**2022 RAP Meeting Schedule and Locations**

<b>Date</b>	<b>Hosts</b>	<b>Location</b>
January 14	Haddock	Virtual Meeting (until further notice)
March 11		Virtual Meeting (until further notice)
May 13	Cheriton	Virtual Meeting (until further notice)
September 9	Ruhl	Virtual Meeting (until further notice)
November 4	Wasson	Virtual Meeting (until further notice)