

**MBNMS Research Activity Panel  
Meeting Summary  
May 13, 2022**

**Host:** Olivia Cheriton – Physical Oceanography (United States Geological Survey)

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

**Date:** Friday, May 13, 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
	Biological Oceanography	primary	Ruhl, Henry	Central and Northern California Ocean Observing System
X	Biological Oceanography	alternate	Kudela, Raphael	University of California, Santa Cruz
	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
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
X	Nearshore Environment	primary	Southall, Brandon	Southall Environmental Associates, Inc.
	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 (retired)
	Social Sciences	primary	Pomeroy, Carrie	University of California, Santa Cruz
	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
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**GUESTS**

Brown, Jennifer	ECOS Consulting
Joseph, John	Navy Postgraduate School
Margolina, Tetyana	Navy Postgraduate School
Peavey, Lindsey	Channel Islands National Marine Sanctuary
Ryan, John	Monterey Bay Aquarium Research Institute
Takesue, Renee	United States Geological Survey

**CONSENT ITEMS**

Introductions/Modifications to the Agenda (John Hunt)

**HOST PRESENTATION AND DISCUSSION**

Rain, Landslides, Fires, and Earthquakes – A research update from USGS Pacific Coastal and Marine Science Center (Olivia Cheriton and Renee Takesue/US Geological Survey)

- Olivia provided brief overview of USGS Pacific Coastal and Marine Science Center, and the Coastal and Marine Hazards and Resources Program.
- Olivia and Renee provided updates on three topics:
  - San Gregorio-Hosgri Fault System: Earthquake Hazards and the Diablo Canyon Nuclear Power Plant
  - Regime Shift in San Lorenzo Watershed Storm Response
  - CZU Wildfire Studies

**SANCTUARY ADVISORY COUNCIL UPDATE**

Summary of April Advisory Council Meeting (John Hunt)

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

Advisory Council Recruitment: Research Seats (John Hunt)

- John provided update on Advisory Council member term limits.
- John Hunt's membership and term-limit as Research primary (aka RAP Chair) is expiring in October 2022.
- Steve Haddock (Research alternate; aka RAP Vice-chair) is eligible to reapply for 3-year term as Research alternate or primary.
- John listed RAP members ineligible to apply (n=9), including government employees (i.e., federal, state, or local) and those who have already served on the Council.
- Recruitment for Council seats (including Research) will be advertised in September, reviewed by panel in October/November, and seated on Council in December.
- **ACTION**: RAP Coordinator will send email to full RAP membership sharing information on recruitment and requesting feedback from interested members.

**PRESENTATION REQUESTED BY RAP**

SanctSound Data Portal Demonstration (Jennifer Brown/ECOS Consulting)

- Jenn provided brief background and demonstration of two portals (web and data) components of the SancSound Project
- To access more information on SancSound and portals, see:
  - SancSound overview: <https://sanctuaries.noaa.gov/science/monitoring/sound/>

- SancSound web portal: <https://sanctsound.ioos.us/>
- SancSound data portal: <https://sanctsound.portal.axds.co/>
- **ACTION**: RAP Coordinator emailed advertisement of May 17<sup>th</sup> Webinar by Leila Hatch, “Exploring Underwater Sound in our National Marine Sanctuaries”

## **SANCTUARY RESEARCH SYMPOSIUM**

### RAP Poll Results (Erica Burton)

- Erica provided brief summary of RAP member responses to April email poll, asking if local MBNMS science community has recognized a need for a research symposium focused on science in MBNMS. And, if the science community agrees there is a strong need, then jointly we can pursue whether it is feasible, and how it would be organized (partners, venue, logistics, funding, etc.).
- The poll was an action item from the March 2022 RAP meeting.
- Eight RAP members responded to poll:
  - Five responded No (i.e., there was no strong need). Associated comments included:
    - Science community already has lots of ways to communicate (see MBNMS compiled list);
    - Not determined a need in Management Plan;
    - Cost/benefit does not support reinstatement;
    - Large symposium would not add to opportunities for sharing research activities or results with sanctuary community;
    - 'Back in the day' the Currents Symposium was a great opportunity for scientists from around the region to communicate. As it evolved, it also became a great venue for student posters from campuses around the bay. However, in its waning years the direct engagement of regional scientists had declined precipitously and others in the community seemed to want the symposium to serve as a high school science fair.
  - Zero responded Yes (i.e., there was a strong need).
  - If research community determined strong need, RAP provided three suggested alternatives including:
    - Informal, smaller, and shorter meeting; separate from Ricketts Lecture
    - Virtual meeting
    - Partner with other group that is already holding annual meeting.
- RAP responses will be shared with MBNMS Superintendent.

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

- No decisions or actions

## **SUGGESTED FUTURE AGENDA ITEMS**

- Update on nitrogen loading in local watersheds (by Holly Bowers/Ross Clark; initially presented March 2022 RAP meeting)

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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 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)
- Offshore wind energy updates (September)

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**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)