

**MBNMS Research Activity Panel
Meeting Agenda
September 8, 2023**

Host: Steve Haddock – Deep-Sea Environment
(Monterey Bay Aquarium Research Institute)

Location: Monterey Bay Aquarium Research Institute
Pacific Forum
7700 Sandholdt Road
Moss Landing, CA

Virtual option: information available upon request (erica.burton@noaa.gov)

Date: Friday, September 8, 2023; 9:00 am to 12:00 pm

Members:

	Discipline	Primary/ Alternate	Name	Institution
	Research Coordinator		DeVogelaere, Andrew	Monterey Bay National Marine Sanctuary
	Biological Oceanography	primary	Ruhl, Henry	Central and Northern California Ocean Observing System
	Biological Oceanography	alternate	Kudela, Raphael	University of California, Santa Cruz
	Deep-Sea Environment	primary	Cailliet, Greg	Moss Landing Marine Laboratories (retired)
	Deep-Sea Environment	alternate	Haddock, Steve †	Monterey Bay Aquarium Research Institute
	Estuarine Environment	primary	Clark, Ross	Central Coast Wetlands Group
	Estuarine Environment	alternate	Wasson, Kerstin	Elkhorn Slough NERR and Foundation
	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
	Nearshore Environment	primary	Southall, Brandon *	Southall Environmental Associates, Inc.
	Nearshore Environment	alternate	Carr, Mark	University of California, Santa Cruz
	Physical Oceanography	primary	Orescanin, Mara	Naval Postgraduate School
	Physical Oceanography	alternate		
	Shelf & Slope Environment	primary	Lindholm, James	California State University, Monterey Bay
	Shelf & Slope Environment	alternate		
	Social Sciences	primary	Pomeroy, Carrie	University of California, Santa Cruz
	Social Sciences	alternate	Scorse, Jason	Middlebury Institute of International Studies
	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:

Burton, Erica	Monterey Bay National Marine Sanctuary
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CONSENT ITEMS

9:00 – 9:10 Introductions/Modifications to the Agenda (Brandon Southall)

HOST PRESENTATION AND DISCUSSION

9:10 – 9:40 MBARI Research and Institutional Update (Steve Haddock)

- Presentation (20 min)
- RAP Discussion (10 min)

ADVISORY COUNCIL UPDATE

9:40 – 10:05 Summary of May and August Advisory Council meetings (Brandon Southall and Steve Haddock)

- Presentation (15 min)
- RAP Discussion (10 min)

10:05 – 10:35 Research Community Newsletter (Steve Haddock)

- Presentation (10 min)
- RAP Discussion (20 min)

BREAK (20 minutes)

10:35 – 10:55

SANCTUARY RESEARCH UPDATE

10:55 – 11:15 Climate Vulnerability Assessment (Steve Lonhart/MBNMS)

- Presentation (10 min)
- RAP Discussion (10 min)

ED RICKETTS AWARD AND LECTURE

11:15 – 11:45 Ricketts Award Criteria Revision (Erica Burton)

- Presentation (10 min)
- RAP Discussion (20 min)

QUICK UPDATES ON NEW HIRES AT INSTITUTIONS, AND FACILITY UPDATES

11:45 – 11:55 RAP Discussion (10 min)

SUGGESTED FUTURE AGENDA ITEMS

11:55 – 12:00 RAP Discussion (5 min)

ADJOURN

12:00

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)
- Update on seal bomb issue (requested by J.Score)
- WATER QUALITY UPDATES:
 - Update on nitrogen loading in local watersheds (by Holly Bowers/Ross Clark; initially presented March 2022 RAP meeting)
 - 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)
- SOCIAL SCIENCE TOPICS
 - Jason Score: White Shark public education (December 2023)
 - Carrie Pomeroy: Collaborative kelp research; and rock crab fishery closure and impacts
- OFFSHORE WIND UPDATES:
 - Future updates on offshore wind energy (requested by J.Score)
 - More offshore wind energy and mapping fishing grounds (requested by C.Pomeroy)
 - Could include recent “Winds of Change” and/or summary of upcoming briefings at CA Coastal Commission, including risk assessment and effects of wind deployments on upwelling (Brandon Southall, Grace Chang, Kaus Ragukhumar could be speakers)
- KELP UPDATES:
 - Funded project on kelp as ecological-social systems in Monterey and Mendocino areas (C.Pomeroy and M.Carr)
 - Keith Rootsart (Diving representative on Advisory Council) would like to present on kelp restoration efforts
 - CDFW kelp management by Dr. Kristen Elsmore (Brian Owens willing to invite)
- eDNA sampling in proposed Chumash Heritage National Marine Sanctuary (Steve Palumbi, Hopkins Marine Station)
- Tammy Russell (Nancy Foster Scholar): National Marine Sanctuaries capture enhanced abundance and diversity of the California Current Ecosystem avifauna (Spring 2024)

2023 RAP Meeting Schedule and Locations

Date	Hosts	Location
January 13	Lindley	Virtual Meeting
March 10	Southall	Virtual Meeting
September 8	Haddock	MBARI (with virtual option)
December 8		Virtual Meeting