

**MBNMS Research Activity Panel
Meeting Summary
November 1, 2019**

Host: Ross Clark – Estuarine Ecology (Central Coast Wetlands Group)

Location: Moss Landing Marine Laboratories (MLML)
Seminar Room
8272 Moss Landing Road
Moss Landing, CA

Date: Friday, November 1, 2019; 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	Kudela, Raphael	University of California, Santa Cruz
X	Biological Oceanography	alternate	Ruhl, Henry	Central and Northern California Ocean Observing System
X	Deep-Sea Environment	primary	Cailliet, Greg	Moss Landing Marine Laboratories (retired)
X	Deep-Sea Environment	alternate	Haddock, Steve †	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
X	Marine & Coastal Geology	primary	Golden, Nadine	United States Geological Survey
	Marine & Coastal Geology	alternate	Paull, Charles	Monterey Bay Aquarium Research Institute
	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	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)
	Social Sciences	primary	Pomeroy, Carrie	California Sea Grant Extension Program
	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
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GUESTS

Behl, Robert	Monterey Bay Marine Innovation Project
Drachenberg, Denise	CSU Monterey Bay
Harvey, Jim	Moss Landing Marine Laboratories
King, Chad	Monterey Bay National Marine Sanctuary
Michel, Paul	Monterey Bay National Marine Sanctuary

CONSENT ITEMS

Introductions/Modifications to the Agenda (John Hunt)

HOST PRESENTATION AND DISCUSSION

MLML Research Update (Jim Harvey/MLML)

- MLML is consortium of 7 campuses
- SJSU has been administrative campus for 53 years
- After lengthy discussions, SJSU will remain as administrative campus
- Kenneth Coale retired (Chemical Oceanography professor) and will continue research at MLML. Maxime Grand is new Chemical Oceanography professor.
- Nick Welschmeyer is retiring (Biological Oceanography professor). MLML is hiring a new Biological Oceanography professor. Nick will continue research at MLML.
- Amanda Kahn is the new professor of Invertebrate Ecology; current overlap with Jon Geller
- 25 PI level staff, mostly grant-funded
- Aquaculture facility, hired Sea Grant Ext Luke Gardner; working on purple urchin, monkey-faced eel, oyster, scallops
- Coastal vessel discussions still occurring with Scripps; also another sailing vessel concept (green)

SANCTUARY ADVISORY COUNCIL UPDATE

Summary of October 18th (Monterey) Advisory Council Meeting (John Hunt)

- For meeting minutes, see: <https://montereybay.noaa.gov/sac/sacma.html>

SANCTUARY RESEARCH UPDATE

Davidson Seamount Research Cruise Aboard E/V *Nautilus* (Chad King/MBNMS)

- Chad provided presentation on research cruise to study recently discovered octopus garden of brooding females, and whale fall
- For more information, see: <https://nautiluslive.org/cruise/na117>

ED RICKETTS AWARD AND LECTURE

2019/2020 Ed Ricketts Memorial Award and Lecture (Erica Burton)

- 2019 Ed Ricketts Memorial Award was presented to Dr. James Harvey, Director of Moss Landing Marine Laboratories, on the evening of September 17, 2019 at Sanctuary Exploration Center in Santa Cruz
- Dr. Harvey provided a lecture entitled “Research, Teaching, and Mentoring: Musings of a Generalist Optimist” that highlighted the foraging ecology of harbor seals, humpback whales, and leatherback turtles. He also discussed the changing academic landscape.

- Event was well-attended with more than 70 guests, and recorded on Facebook Live with more than 172 views (to date)
- Nominations for 2020 Award and Lecture are now being accepted from RAP members through mid-December; with award event taking place in the spring/summer 2020
- For more information on Ricketts Award, see:
<https://montereybay.noaa.gov/research/ricketts.html>
- To view recorded lecture on Facebook Live, see:
<https://www.facebook.com/MBNMS/videos/vb.99323009915/823056938091454/?type=2&theater>
- **ACTION:** Erica will send email to RAP members announcing 2020 award nomination process

PRESENTATION REQUESTED BY RAP

Quick Update: Drone Usage in MBNMS (Erica Burton)

- Following up on September RAP meeting discussion, MBNMS staff met to discuss creation of 2-pager on drone usage in MBNMS, to include issue description, information needs, West Coast Regional Office or Advisory Council needs, regulations, sensitive species and maps, list of experts/observers, and value/benefit to research
- MBNMS will continue to develop, and circle back to RAP (or subcommittee) for comment/input

RAP MEMBERSHIP UPDATE

RAP Member Recruitment (Erica Burton)

- Marine & Coastal Geology (alternate) seat is vacant
- RAP Membership Committee is considering nominations
- RAP Policies can be viewed at:
https://montereybay.noaa.gov/sac/rap/history/rap_policies.html
- **ACTION:** If RAP members have any suggestions, contact Erica Burton and she will forward to committee for consideration

RAP MEETING SCHEDULE

Call for 2020 RAP Meeting Hosts (Erica Burton)

- Erica requested RAP members host a 2020 meeting
- Sign-up sheet was passed around, and dates partially filled-in
- **ACTION:** Erica sent email to RAP members requesting 2020 hosts; all meetings now covered (see 2020 calendar below or <https://montereybay.noaa.gov/sac/rap/rapma.html>)

QUICK UPDATES ON NEW HIRES AT INSTITUTIONS, AND FACILITY UPDATES

- No decisions or actions

SUGGESTED FUTURE AGENDA ITEMS

- Bob Behl: invite Kyle Van Houtan (MBA) for MBA updates
- Hunt: Deep-sea coral WCR priority update?
- Hunt: Pelican/fishery interactions? SAC discussed
- Cailliet: microplastics from running list below (January?)

- Burton/Hunt: draft MPR release for public comment (January?)

Future Agenda Items (running list):

- Socioeconomic benefits of science (per Scorse)
- West Coast Regional Office update
- RAP Focus:
 - Long-term Monitoring
 - Coordinated water quality monitoring: lessons learned (Hunt/Hoover)
 - Consider interns to follow-up on RAP monitoring plan tasks (Hunt)
 - MBNMS Action Plans (Management Plan Review)
 - Management plan review timeline (possibly Nov. meeting)
- RAP Membership:
 - Reinvigorate non-attending members
 - Constituent outreach (Hunt)
- Happy Whale App (Jeremy Goldbogen)
- California Collaborative Fisheries Research Program (CCFRP), and MPA monitoring and synthesis of historic data sets in MBNMS (Mark Carr and Rick Starr)
- Microplastics: How an under-funded marine science community deals with a significant new problem
 - Microplastics and seabirds (chemical cues; Matt Savoca/Hopkins Marine Station)
 - Choy et al (MBARI)
 - NOAA’s Marine Debris Program (Sherry Lippiatt)
- Invite research representative of GFNMS Advisory Council (John Largier)
- Link between MBNMS research needs and rapid funding and sanctuary foundation (Monterey Bay Chapter update); and how local RAP priorities get into ONMS West Coast Region and Foundation priorities (Clark)

2020 RAP Meeting Schedule and Locations

Date	Hosts	Location
January 10	Sogard/Hunt	Moss Landing Marine Laboratories
March 13	Cheriton/Golden	US Geological Survey
May 8	Scorse	Middlebury Institute of International Studies
September 11	Owens (tbd)	California Department of Fish and Wildlife
November 13	Haddock	Monterey Bay Aquarium Research Institute