

**MBNMS Research Activity Panel  
Meeting Summary  
March 9, 2018**

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

**Location:** Moss Landing Marine Laboratories  
Seminar Classroom  
8272 Moss Landing Road  
Moss Landing, CA

**Date:** Friday, March 9<sup>th</sup>, 2018; 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	Kudela, Raphael	University of California, Santa Cruz
	Biological Oceanography	alternate	Chavez, Francisco	Monterey Bay Aquarium Research Institute
	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
	Fisheries	primary	Lindley, Steve	NOAA Fisheries Service
X	Fisheries	alternate	Owens, Brian	California Department of Fish and Wildlife
	Marine & Coastal Geology	primary	Storlazzi, Curt	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
X	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
X	Physical Oceanography	alternate	Orescanin, Mara	Naval Postgraduate School
	Shelf & Slope Environment	primary	Lindholm, James	California State University Monterey Bay
X	Shelf & Slope Environment	alternate	Sogard, Susan	NOAA Fisheries Service
	Social Sciences	primary	Pomeroy, Caroline	California Sea Grant Extension Program
	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**

Harvey, Jim	Moss Landing Marine Laboratories
King, Chad	Monterey Bay National Marine Sanctuary
McGinnis, Christina	MBNMS Advisory Council

**CONSENT ITEMS**

Introductions/Modifications to the Agenda (John Hunt)

- Discuss May 11<sup>th</sup> RAP meeting (Burton)
- Jim Harvey (MLML Director) will speak during host presentation

**HOST PRESENTATION AND DISCUSSION**

- Jim Harvey (MLML Director) welcomed RAP to MLML, and provided brief lab update
  - New Hire: Sea Grant Extension, Aquaculture Specialist – Luke Gardner
  - New Hire: Chemical Oceanographer – Max Grand
  - New Hire: Invertebrate Zoologist – Amanda Kahn

Efforts to inventory, assess condition and recommend management priorities for bar-built estuaries (BBEs) of MBNMS and GFNMS (Ross Clark)

- Partnership among regional research institutions, state agencies and USEPA to implement statewide, three level wetland monitoring program
  1. Inventory of state wetland resources
  2. Estimate current condition
  3. Evaluate site species stress and change in wetland condition
- Copy of final report at: [www.centralcoastwetlands.org](http://www.centralcoastwetlands.org)
- Inventories of estuaries at the margins of sanctuary are useful for Sanctuary Condition Reports

**MEETING UPDATES**

Summary of February 16<sup>th</sup> Advisory Council Meeting at Santa Cruz (John Hunt)

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

**STAFF/SAC REQUESTS TO RAP**

Management Plan Review (John Hunt)

- John summarized the remaining timeline for management plan
- RAP will have opportunity to review public documents when released ~May/June
- **ACTION**: DeVogelaere and/or Burton will send out timeline; potential method(s) for RAP to comment; and provide draft Research Action Plan

**RAP RESEARCH PRIORITIES**

Long-term Monitoring: Water Quality (John Hunt)

- John summarized timeline of recent activities related to long-term monitoring plan
- John submitting Sea Grant pre-proposal for water quality monitoring data integration

## SANCTUARY RESEARCH UPDATE

2018 MBNMS Ship Time: *Bell M. Shimada* and *Nautilus* (Chad King)

- NOAA Ship *Bell M. Shimada*: Davidson Seamount during July 2018
  - Marine Mammal survey and water column sampling
- EV *Nautilus*: Davidson Seamount during October 2018
  - ROV survey of recently mapped deep area at Davidson Seamount
  - **ACTION**: MBNMS staff will send email to RAP for those interested in participating in, or have questions about Scientist Ashore program, [Chad.King@noaa.gov](mailto:Chad.King@noaa.gov)

## MEETING UPDATES

Upcoming Ricketts Award and Lecture, and May RAP meeting (Erica Burton)

- Dr. Steven Haddock will receive award, and provide lecture on April 10<sup>th</sup> at MLML
  - For information and flyer download, see: <https://montereybay.noaa.gov/new/2018/180312ricketts.html>
- May 11<sup>th</sup> RAP meeting location has changed to MBARI (host: Haddock)

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

- No decisions or actions

## SUGGESTED FUTURE AGENDA ITEMS

- No new items, see running list below

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### Future Agenda Items (running list):

- MBNMS budget and staffing, and trends (short topic; per Storlazzi)
- Monterey Bay Sanctuary Foundation: presentation from new local chapter (per Hunt)
- Socioeconomic benefits of science (per Scorse)
- West Coast Sanctuaries Species Inventory (West Coast Regional Office)
- Executive Order 13795: Implementing an America-First Offshore First Offshore Energy Strategy [Sec. 4(b): National Marine Sanctuaries and Marine National Monuments] (West Coast Regional Office)
- Regional Marine Policy courses and engaging students towards MBNMS issues
- 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)
- Ship Strikes in Sanctuaries: new mortality model by Rockwood, Calambokidis, and Jahncke 2017 (per DeVogelaere; Calambokidis to speak at **May** or Sept meeting)
- RAP Membership: need to reinvigorate non-attending members (Haddock)
- MBNMS Soundscape: MARS cable findings; SEC exhibit; SAC involvement; Navy mitigation funds
- Desalination project(s) and monitoring

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**2018 RAP Meeting Schedule and Locations** *(revised 3/9/18)*

<b>Date</b>	<b>Host</b>	<b>Location</b>
January 12	Haddock	MBARI, Moss Landing
March 9	Clark	MLML, Moss Landing
May 11	Haddock	MBARI, Moss Landing
September 14	Wasson	Elkhorn Slough NERR, Castroville
November 2	Hunt/Clark	MLML, Moss Landing

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