

**MBNMS Research Activity Panel
Meeting Summary
July 12, 2013**

Hosts: Mark Carr – Nearshore Ecology (University of California, Santa Cruz)
Carrie Pomeroy – Social Sciences (California Sea Grant Extension Program)

Location: Long Marine Lab
Center for Ocean Health Library, Rm 201
100 Shaffer Road
Santa Cruz, CA

Date: Friday, July 12th, 2013; 9:00 am to 12:00 pm

Members:

	Discipline	Primary/ Alternate	Name	Institution
X	Research Coordinator		DeVogelaere, Andrew	Monterey Bay National Marine Sanctuary
X	Biological Oceanography	primary	Kudela, Raphael	University of California, Santa Cruz
	Biological Oceanography	alternate	Chavez, Francisco	Monterey Bay Aquarium Research Institute
	Deep-Sea Ecology	primary	Cailliet, Greg	Moss Landing Marine Laboratories (retired)
	Deep-Sea Ecology	alternate	Haddock, Steve	Monterey Bay Aquarium Research Institute
	Estuarine Ecology	primary	Wasson, Kerstin	Elkhorn Slough NERR and Foundation
	Estuarine Ecology	alternate	Lindley, Steve	NOAA Fisheries Service
X	Fisheries	primary	Grimes, Churchill	NOAA Fisheries Service (retired)
	Fisheries	alternate		
	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		
X	Marine Conservation Biology	alternate	Micheli, Fiorenza	Hopkins Marine Station
	Marine Policy	primary	Abeles, Adina	Center for Ocean Solutions
	Marine Policy	alternate	David, Aimee	Monterey Bay Aquarium
X	Nearshore Ecology	primary	Lindholm, James †	California State University Monterey Bay
X	Nearshore Ecology	alternate	Carr, Mark	University of California, Santa Cruz
	Physical Oceanography	primary		
	Physical Oceanography	alternate	Ramp, Steve	Soliton Ocean Services, Inc.
	Shelf & Slope Ecology	primary		
	Shelf & Slope Ecology	alternate		
X	Social Sciences	primary	Pomeroy, Caroline	California Sea Grant Extension Program
	Social Sciences	alternate	Scorse, Jason	Monterey Institute of International Studies
X	Water Quality	primary	Hunt, John †	University of California, Davis
	Water Quality	alternate	Epel, David	Hopkins Marine Station

*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	Monterey Bay National Marine Sanctuary
DeVogelaere, Marissa	Monterey Bay National Marine Sanctuary (intern)
Rosenfeld, Leslie	CeNCOOS
Rosevelt, Carolyn	California State University Monterey Bay
von der Meden, Charles	South African Environmental Observation Network

CONSENT ITEMS

Introductions/Modifications to the Agenda (Lindholm)

Carr made brief announcements:

- In development:
 - Seminar room expanding (50%)
 - New Coastal Sciences building (east of NMFS lab)
 - Newer tanks for marine mammals
- UC fund raising: Coastal Sustainability Initiative

HOST PRESENTATION AND DISCUSSION

California Sea Grant Research Update (Pomeroy)

- Pomeroy provided brief overview of program
- Recent projects include:
 - Outer continental shelf space use conflicts (renewable energy development) on the north coast CA (Pt Arena to Oregon border)
 - www.data.boem.gov/PI/PDFImages/ESPIS/5/5203.pdf
 - Assessing Direct Marketing Programs for west coast fishing communities
 - Collaborative at-sea sampling program
 - Collaborative Fisheries Research to build socio-economic fishery info (halibut fishery)
- <http://www-csgc.ucsd.edu/>

PRESENTATION REQUESTED BY RAP

CeNCOOS Update (Leslie Rosenfeld/CeNCOOS)

- Rosenfeld provided brief overview of program, including: mission and vision, membership, governance, operations, data management and sharing, and research applications
- www.cencoos.org

STAFF REQUESTS TO RAP

Discussion of 2014 Currents Symposium Theme Ideas (Burton)

- Burton presented list of theme ideas the public suggested in 2013 symposium evaluation
- RAP suggested and discussed theme ideas for 2014 symposium
- Ideas will be shared with planning committee

Discussion of Integrated Ecosystem Assessment (IEA) Conceptual Models (Jennifer Brown/MBNMS and Greg Williams/NOAA Fisheries)

- Williams and Brown provided overview of IEA, draft conceptual models, and IEA indicator selection framework
- Brown solicited input from RAP on the following:
 - Feedback on approach
 - Key habitat categories (too few, too many, just right?)
 - Are there other indicator development efforts that could inform effort?
- **ACTION**: Brown will soon ask RAP for additional input, including:
 - Review draft conceptual models for 8 habitats in MBNMS
 - Do the draft models capture the main ecological components, physical drivers, and human pressures in the focal habitat?
 - Review draft indicator list and suggest additional potential
 - Primary: indicators with data that is currently collected in MBNMS
 - Secondary: identify indicators that have been shown to be very useful in other regions (e.g., southern CA) but data not collected in MBNMS

Discussion of System-wide Monitoring (Lindholm)

- Lindholm led discussion on value of expert opinion vs quantifiable/repeatable monitoring, and how to incorporate each, while providing enough info to differentiate
- Topic of discussion stems from recent ONMS Condition Reports (national and site level), and CINMS RAP response
- RAP discussed and provided feedback
- Providing a measure of uncertainty to the ratings was discussed as a possible solution

SANCTUARY RESEARCH UPDATE

New Publication - Natural Resources of MBNMS: A Focus on Federal Waters (Jennifer Brown/MBNMS)

- Brown announced recent publication in ONMS Conservation Series
- Compilation of topic-specific information on physical and biological resources, and ecological processes in offshore habitats in federal waters
- <http://montereybay.noaa.gov/research/techreports/trbrown2013.html>

Future Agenda Items (running list):

- Desalination update:
 - Update on fresh water supply, desal, waste water management
 - Competing Moss Landing desal proposals (CalAm, DeepWater, People’s)
 - Including Cambria
- MBNMS Updates:
 - Sanctuary Ecologically Significant Areas (SESAs)
 - Integrated Ecosystem Assessment (IEA)
 - ~~Natural Resources Assessment (NRA)~~
- Results of sand mining plant study (Scorse)
- Results of Pleasure Point Surf property value (Scorse)
- ~~CeNCOOS update from Leslie Rosenfeld (Ramp)~~
- WQ monitoring web portals: Ocean Health for CA (per Hunt)
- Sept/Nov 2013 meeting: regional water board on assessment of monitoring data for 12 years at coastal confluences (30 streams/rivers); report written July 2013; (per Hunt)
- Leadership changes at Big NOAA, and how affects little NOAA (MBNMS)
 - Margaret Spring will be a new Vice President at the Monterey Bay Aquarium (MBA) - ask her to present at September meeting at MBA

2013 RAP Meeting Schedule and Locations

Date	Host	Location
January 11	Lindholm	CSU Monterey Bay
March 8	Lindley	NOAA Fisheries Santa Cruz
May 10	Scorse	Monterey Institute of International Studies
July 12	Carr/Pomeroy	Long Marine Lab, UC Santa Cruz
September 13	David	Monterey Bay Aquarium, Bing Boardroom
November 8	MBNMS	Sanctuary Exploration Center, Santa Cruz
