MBNMS Research Activity Panel
Meeting Summary
May 10, 2013

Host: Jason Scorse – Social Sciences (Monterey Institute of International Studies)

Location: Morse Building, Room B105
Monterey Institute of International Studies
426 Van Buren Street
Monterey, CA

Date: Friday, May 10th, 2013; 9:00 am to 12:00 pm

Members:

	Discipline	Primary/ Alternate	Name	Institution
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
X	Deep-Sea Ecology	primary	Cailliet, Greg	Moss Landing Marine Laboratories (retired)
X	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
	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		
	Marine Conservation Biology	alternate	Micheli, Fiorenza	Hopkins Marine Station
X	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
	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		
	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:

	Burton, Erica	Monterey Bay National Marine Sanctuary

GUESTS:

Cramer, Allison	California State University Monterey Bay
De Beukelaer, Sophie	Monterey Bay National Marine Sanctuary
Essert, Chris	Monterey Peninsula College
Gleason, Mary	The Nature Conservancy
King, Chad	Monterey Bay National Marine Sanctuary
McGinnis, Michael	Monterey Institute of International Studies
Michel, Paul	Monterey Bay National Marine Sanctuary
Norbert, Kenneth	California State University Monterey Bay
Parrish, Richard	NOAA Fisheries Service (retired)

HOST PRESENTATION AND DISCUSSION

Climate adaptation along coastal areas, and the issues associated with coastal adaptive strategies to preserve aquatic biodiversity and coastal watersheds (Michael McGinnis/MIIS)
- Focus of presentation is climate change, critical habitat, and how to involve private lands (51 % of aquatic habitat is in private lands)
- Reducing green house gasses is not enough and it is necessary to address how society adapts to droughts
- The state of California has a climate change adaptation plan, completed in 2009
    - o Near term Strategy 1: Establish a system of sustainable habitat reserves (this burden will be left to cities and counties and local coastal plans, but they are not ready to deal with it)
    - o CEQA and Coastal Act will need to develop to deal with climate disturbance
- Mike suggests focusing on habitat values as a way to address drought and other variation and climate change
- Opportunities with ranch lands to improve riparian areas (50 meters on each side of a stream bank is needed) are "low hanging fruit", as food/agriculture communities are harder to address
- Address ranch strategies through local plans; cap and trade system is a way to get a source of funding to restore riparian areas ($ 1.4 billion expected); also pool funds from endowments for ranch land riparian habitat restoration; ranchers could be paid through time on a sliding scale based on how well their restoration areas are functioning.
- Endowment for monitoring are necessary
- **ACTION: Link Mike's lab with local restoration and water quality investigators like Ross Clark, Karen Worcester and John Hunt**

PRESENTATION REQUESTED BY RAP

Results of Trawling Study (Lindholm, and Mary Gleason/The Nature Conservancy)
- Summary information on this project, full reports and images are available at: http://sanctuarysimon.org/projects/project_info.php?projectID=100379&site=true
- **ACTION: This fascinating collaborative project has many nuances on how to communicate results, Mary Gleason is interested in meeting with anyone to discuss this**

SANCTUARY ADVISORY COUNCIL UPDATE

Summary of April 18th SAC Meeting at Salinas (Lindholm)
- SAC meeting notes are available on-line at:
  http://montereybay.noaa.gov/sac/sac_min.html

SANCTUARY CURRENTS SYMPOSIUM

Summary of April 27th event at CSUMB (Lindholm)
- Mark Carr was the Ricketts Lecture Award winner; approximately 350 people at the symposium; the program and book of abstracts is available at
  http://montereybay.noaa.gov/research/symposium.html

SANCTUARY ECOLOGICALLY SIGNIFICANT AREAS (SESA)

GIS Tool Demonstration (Chad King/SIMoN Data Analyst/MBNMS)
- A new interactive mapping tool was developed by the MBNMS to address need for scientific information in the Sanctuary Ecologically Significant Areas process
- It is available at: http://sanctuarysimon.org/maps/sesa/

STAFF REQUESTS TO RAP

Spatial Knowledge of Research Activities: Big Sur - South (Andrew DeVogelaere)
- Andrew shared information on SIMoN projects and other research that the MBNMS knows about to the RAP, for the MBNMS area between Sur Ridge (south of Pt. Lobos MPA/Yankee Pt.) to Big Creek
- RAP members shared their knowledge of additional past and existing research in this area
- The purpose of this exercise is to increase MBNMS staff knowledge of all science in the MBNMS that could later inform management decisions

SUGGESTED FUTURE AGENDA ITEMS

RAP Discussion
- Margaret Spring will be a new Vice President at the MBA; consider having her present to and meet the RAP in September, when the RAP is scheduled to meet there.
- In July, RAP members Greg Cailliet, and Steve Haddock will not be available for the scheduled RAP meeting. Consider changing the date or canceling the meeting? No
- Have all the RAP meeting venues for 2013 been finalized? Yes

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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)

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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

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