

**MBNMS Research Activity Panel
Meeting Summary
January 14, 2011**

Host: James Lindholm – Nearshore Ecology (CSU Monterey Bay)

Location: Tanimura and Antle Family Memorial Library (Building 508, Rm 1176)
Divarty Street
California State University Monterey Bay
Seaside, CA

Date: Friday, January 14th, 2011; 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
	Deep-Sea Ecology	alternate	Haddock, Steve	Monterey Bay Aquarium Research Institute
	Estuarine Ecology	primary	Wasson, Kerstin	Elkhorn Slough NERR and Foundation
X	Estuarine Ecology	alternate	Watson, Beth	Elkhorn Slough NERR and Foundation
X	Fisheries	primary	Grimes, Churchill	NOAA Fisheries Service
X	Fisheries	alternate	Vasques, Jason	California Department of Fish & Game
X	Marine & Coastal Geology	primary	Storlazzi, Curt	United States Geological Survey
	Marine & Coastal Geology	alternate	Paull, Charles	Monterey Bay Aquarium Research Institute
X	Marine Conservation Biology	primary	Harrold, Chris*	Monterey Bay Aquarium
	Marine Conservation Biology	alternate	Micheli, Fiorenza	Hopkins Marine Station
X	Marine Policy	primary	Abeles, Adina	Center for Ocean Solutions
	Marine Policy	alternate	David, Aimee	Center for the Future of the Oceans, MBA
X	Nearshore Ecology	primary	Lindholm, James	California State University Monterey Bay
	Nearshore Ecology	alternate	Carr, Mark	University of California, Santa Cruz
X	Physical Oceanography	primary	McPhee-Shaw, Erika	Moss Landing Marine Laboratories
	Physical Oceanography	alternate	Ramp, Steve	CeNCOOS/MBARI
	Shelf & Slope Ecology	primary		
	Shelf & Slope Ecology	alternate	Starr, Rick	California Sea Grant Extension Program
	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)

GUESTS:

	Name	Institution
X	Burton, Erica	Monterey Bay National Marine Sanctuary
X	Clark, Ross	Central Coast Wetlands Group, and CA Coastal Commission
X	Emanuelson, Lisa	Monterey Bay National Marine Sanctuary
X	Frey, Oren	Sea Grant Fellow, Monterey Bay National Marine Sanctuary
X	Galligan, Monica	California State University Monterey Bay
X	Gregorio, Dominic	State Water Resources Control Board
X	Hoover, Bridget	Monterey Bay National Marine Sanctuary
X	Kline, Donna	California State University Monterey Bay
X	Knight, Ashley	California State University Monterey Bay

CONSENT ITEMS

Introductions/Modifications to the Agenda (Harrold)

HOST PRESENTATION AND DISCUSSION

Marine Science at CSUMB (Lindholm)

- James Lindholm provided information on new science degrees and program at CSUMB
 - BS degree in Marine Science
 - Professional Science Master's degree (2 yr; no thesis; 400-hr internship instead)
 - Research Diving Program
 - <http://sep.csumb.edu/sep/>
- Lindholm provided overview of Aquarius Undersea Lab and the recent mission in October 2010
 - <http://aquarius.uncw.edu/>

PRESENTATION REQUESTED BY RAP: WATER QUALITY

Recent State Water Board Coastal Monitoring Efforts: ASBS and Mussel Watch (Dominic Gregorio/State Water Resources Control Board)

- Dominic Gregorio provided overview of monitoring efforts in Water Quality Protection Areas (Marine Managed Areas), and the Mussel Watch Program

PRESENTATION REQUESTED BY RAP: WATER QUALITY

New Directions in Coastal Management Based on Recent Success (Ross Clark/Central Coast Wetlands Group & Coastal Commission)

- Ross Clark provided overview of Action Plan development for Critical Coastal Areas (program at Coastal Commission), with a focus on Watsonville Slough
- Through coordination among local regulating agencies (city, county, state, fed), came up with Identified Actions:
 - Urban management measures
 - Hydromodification Management Measures
 - Cross Cutting Habitat Management actions
- Created CCA Draft Action Plan

- 15 actions defined; Action Plans for 6 have been created
- Identified research and monitoring needs
- <http://www.coastal.ca.gov/nps/cca-nps.html>
- http://www.coastal.ca.gov/nps/Web/cca_pp_centcoast.htm

RAP FOCUS TOPICS

Proposed Halibut Fishery: Research Design (Lindholm)

- James Lindholm provided an update on the Halibut Research Design Project of the proposed halibut fishery in northern Monterey Bay
- Group convened in fall 2010
- Charged with designing a project in Monterey halibut grounds
- Several options discussed to answer various policy questions
- Group is leaning towards Policy Q: Is there a gear type that catches the most halibut and has the least environmental impact (1.5 yr, 670k)
- Research approach has been drafted
- RAP concerned about green sturgeon critical habitat, and the habitat group should look into it in detail; and RAP concerned with habitat impacts of trawling

SANCTUARY RESEARCH UPDATE

Focus Topics of the RAP & Scientists as Stakeholders (Harrold/DeVogelaere)

- Andrew gave presentation on MBNMS Research Program, and plan for 2011
- RAP 2011 Priorities: consensus?
 - Beach COMBERS – Advocates
 - Presentation to RAP
 - Promote within MBNMS, broader NOAA and beyond
 - Ocean Acidification – Advisors, Marketing
 - Comment on ONMS plans
 - Compile info on regional assets and capabilities
 - EBMI – Advisors
 - Commenting on planning documents/processes
 - Workshop participation
 - Enhancing Research – Advocates
 - Resolving user conflicts
 - Development of “research stakeholder” concept
- At future meetings, we can discuss each of these
- RAP may decide to write an endorsement on some or all of these
- **Action:** RAP would like copy of DeVogelaere’s powerpoint
 - DeVogelaere sent presentation to RAP Listserv
 - http://montereybay.noaa.gov/sac/rap/2011/minutes/documents/2011_MBNMS_Research_Plan.pdf
- **Action:** RAP would like a meeting dedicated to each of these priorities

SANCTUARY ADVISORY COUNCIL UPDATE

None

ECOSYSTEM-BASED MANAGEMENT INITIATIVE

None

SUGGESTED FUTURE AGENDA ITEMS

None

Future Agenda Items (running list):

- SIMoN
 - SIMoN Special Status Species Project (Jennifer Brown)
- Communication Partnership for Science and the Sea (COMPASS)
- Data integration across monitoring programs (e.g., water quality, PISCO, MARINE, IOOS), and availability to the public
- Recent event: Supreme Court allows Navy Sonar (per John Hunt)
- Predicting sea level rise for the state of California (Larry Breaker, JPL, OPC)
- CeNCOOS update (new website; activities)
- High-res climate models of CA (UCSC; or Cayan or Dettinger/USGS)
- National Weather Service Forecast Office (Tom Evans, Warning Coordination Meteorologist)
- EBMI/IEA presentations
 - MBNMS EBM Initiative
 - IEAs, including those that have been implemented (e.g., Phil Levin, Frank Schwing, John Stein; per Yoklavich)
- MPAs
 - State MPA monitoring projects (e.g., Jason Vasques)
 - Marine Spatial Planning presentation (per Harrold); Fio recently heard Marine Spatial Planning talk from Massachusetts, or speaker from Center for Ocean Solutions (Meg Caldwell)
- Ken Johnson work in Elkhorn Slough (per McPhee-Shaw)
- Policy issues (Sacramento; D.C.) that may need science input (Aimee David volunteered; per Ramp)
- Climate Change (dedicated meeting; per McPhee-Shaw)
 - Global view
 - CA coast (Lisa Sloan, UCSC; sea level rise, Breaker)
 - GFNMS/CBNMS Ocean Climate Initiative (e.g., GFNMS staff: Kelley Higgason or Maria Brown)
 - GFNMS/CBNMS Climate Change Impacts Report (e.g., Largier)
 - What differences MBNMS might observe (per Starr)
 - Local/MBNMS (who? Curt?)
 - Perhaps MBCORC hosts a 1 or 2 day science meeting (per Storlazzi)
