

**MBNMS Research Activity Panel
Meeting Summary
May 11, 2012**

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

Location: McCone Building Boardroom (see campus map and parking info below)
Monterey Institute of International Studies
499 Pierce Street
Monterey, CA

Date: Friday, May 11th, 2012; 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
	Estuarine Ecology	alternate		
	Fisheries	primary	Grimes, Churchill	NOAA Fisheries Service
	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	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
	Physical Oceanography	primary	McPhee-Shaw, Erika	Moss Landing Marine Laboratories
	Physical Oceanography	alternate	Ramp, Steve	Soliton Ocean Services, Inc.
	Shelf & Slope Ecology	primary		
	Shelf & Slope Ecology	alternate	Starr, Rick	California Sea Grant Extension Program
X	Social Sciences	primary	Pomeroy, Caroline	California Sea Grant Extension Program
X	Social Sciences	alternate	Scorse, Jason	Monterey Institute of International Studies
	Water Quality	primary		
	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:

Hunt, John	UC Davis
Moye, Flower	CSU Monterey Bay
Parrish, Richard	Retired, NOAA Fisheries; Consultant

CONSENT ITEMS

Introductions/Modifications to the Agenda (Lindholm)

HOST PRESENTATION AND DISCUSSION

The Center for the Blue Economy's 3-5 Year Research Agenda (Scorese)

- The Center for the Blue Economy combines professional graduate education and research to promote the sustainable use of ocean and coastal resources
- Goal of 50 students (2-yr program; 25 new students each year)
- Scorese described student projects:
 - Cost/benefit of sand mining project in Marina, economic and environmental impacts
 - Non-market value of surf economics; property values near Pleasure Point
 - National database (National Ocean Economics Program; NOEP), recently updated thru 2009/2010
- **ACTION**: Scorese will poll RAP and research community for data/analysis needs; survey will be sent during summer
- Other projects under discussion or in development at the Center
 - Impacts of MPAs: in talks to conduct study
 - ONMS Site Evaluation List: no good data available to determine community benefits
 - International efforts: CITES meeting coming up, talks to determine if pelagic species should be dealt with on regional level rather than CITES level; may conduct economic study
 - Green-Shipping: regarding shipping lanes, cleaning ballast water, MIIS interested in conducting economic study

SANCTUARY ADVISORY COUNCIL UPDATE

April 2012 SAC Meeting in Salinas (DeVogelaere)

- DeVogelaere discussed meeting highlights and developments
- Reactivation of ONMS Site Evaluation List:
 - Heavily argued at meeting
 - SAC members, Shester and Webb, drafted a letter supporting reactivation for SAC review; after discussion, letter was revised and approved
- Presentation: Forage Species, by Julie Thayer (Marine Ecologist at Farallon Institute for Advanced Ecosystem Research)
- San Francisco Exemption Area ("Donut Hole"; area off San Mateo and San Francisco Counties not part of sanctuary):

- The GFNMS Advisory Council has asked GFNMS staff to look at possibly including the San Francisco Exemption Area in the sanctuary
- America's Cup will fund effort to address the issue (GFNMS lead)
- EBMI: MBNMS will discontinue the initiative, keeping several key projects
 - NOAA dropped Coastal Marine Spatial Planning regional planning groups; MPA Center is being dissolved (\$0 budget); MPA Center staff incorporated into ONMS
 - MBNMS will continue the IEA, collaborative fishing efforts (research and education), EFH review input, Natural Resources Assessment (literature review of habitats in federal waters)

ECOSYSTEM-BASED MANAGEMENT UPDATE

Risk Assessment Survey for the California Current Integrated Ecosystem Assessment (DeVogelaere)

- Survey conducted by NOAA Fisheries, Northwest Fisheries Science Center, Seattle (Leads: Jameal Samhour and Phil Levin)
- Survey sent to RAP and broader science community
- Jameal has started analyzing survey data; ~60% responded
- Jameal is thinking about how to share survey data
- Will compare this survey to data/literature review
- Planning for literature survey to be complete in August, later will compare literature review with expert survey
- **ACTION**: RAP would like Jameal/Levin to return for report out and discussion

SANCTUARY RESEARCH

Update (DeVogelaere)

- MBNMS Office moved: 99 Pacific St, #455A, Monterey, CA
- ONMS Campaign to address how/why ONMS relevant to U.S.
 - Recent efforts from MBNMS include:
 - Application for iPhone, iPad, iPod Touch, "Sea Photo," includes more than 1,300 photos of marine life, some with detailed ecological information; <http://sanctuariesimon.org/news/index.php/2012/05/central-california-marine-life-featured-in-new-iphone-ipad-app/>
 - Media Stories:
 - QUEST TV Program (PBS/KQED), "Exploring Corals of the Deep," <http://science.kqed.org/quest/video/exploring-corals-of-the-deep/>
 - Social Media: Facebook
- Freedom of Information Act (FOIA) requests consume extensive staff time
 - Motorized Personal Water Craft (MPWC)
 - Italian partnership (sister MPA in Sicily)
 - Forage Species review by RAP
- California Halibut Fishery issues:

- Collaborative fishing project on hold due to funding (Lindholm/Pete Nelson)
- Pilot study report on hook-and-line fishery
 - Describes current fishery
 - <http://montereybay.noaa.gov/research/techreports/trfrey2012.html>
- Whale Strikes issues:
 - West coast NMS involved in study
 - Topics: slow down ships, change shipping lanes, NMFS determines the number of deaths does not threaten managed populations
- Damage Assessment of sunken F/V Stikine off Soquel, working on video analysis with Lindholm at IfAME lab, CSUMB
- FYI: Nachbar family trust fund available for donations

SANCTUARY CURRENTS SYMPOSIUM

Debrief (DeVogelaere)

- Held April 14 at CSUMB
- Theme: “From Lions to Luminescence: Linking Land and Sea”
- More than 300 people attended
- Six guest speakers on topics including tracking mountain lions, pathogen pollution in sea otters, characterizing the continental shelf, and studying bioluminescent creatures
- Dr. Ken Johnson from the Monterey Bay Aquarium Institute was honored for his scientific achievements and presented the annual Ricketts Memorial Lecture on the impacts of agricultural run-off
- Scientists, students, and environmental organizations displayed 60 research posters and exhibits describing current ocean and watershed research projects around the bay. First place (and cash awards) and honorable mentions were awarded to each of three categories of research posters (graduate, undergraduate, and high school)
- Program and poster winners available at:
<http://montereybay.noaa.gov/research/currsymp2012/welcome.html>

RAP MEMBERSHIP UPDATE

SAC Research and RAP Chair Recruitment (Burton)

- Chris Harrold (SAC Research: Primary)
 - Term expires Feb. 2013
 - Chris will not re-apply
- James Lindholm (SAC Research: Alternate)
 - Term expires Feb. 2013
- Sept. 2012: Federal Register “Notice and Request for Applications” published
- Feb. 2013: New members will be sworn in at SAC meeting
- SAC membership: 3-year term
- SAC meetings: ~6 meetings per year
- <http://montereybay.noaa.gov/sac/chartprot.html>
- **ACTION**: Burton to distribute Federal Register announcement to RAP in September

SUGGESTED FUTURE AGENDA ITEMS

- Hunt: Follow-up with IEA, NRA, Forage Fish
- Cailliet: update on fresh water supply, desal, waste water management
- Adina: next week co-host with USGS, MLML to discuss climate change (can report out at future meeting)
- Hunt: Competing Moss Landing desal proposals (CalAm, Deepwater, People's); will relate to sanctuary resources/decision making
- Hunt: results of sand mining plant study; Pleasure Point Surf property value (per Scorese)
- Hunt: trawling study report results (per Lindholm; final due end Dec 2012)

Future Agenda Items (running list):

- Marine Policy issues (Sacramento; D.C.) that may need science input
- Climate Change: Results of May 2012 Center for Ocean Solutions workshop
- Desalination update: including Cambria
- RAP Membership update

2012 RAP Meeting Schedule and Locations

Date	Host	Location
January 13	Lindholm	CSU Monterey Bay
March 9	Storlazzi	US Geological Survey, Santa Cruz
May 11	Scorese	Monterey Institute of International Studies
July 13	Grimes	NOAA Fisheries, Santa Cruz
September 14	McPhee-Shaw	Moss Landing Marine Laboratories
November 9	Pomeroy	Long Marine Lab, UC Santa Cruz