

**MBNMS Research Activity Panel
Meeting Summary
May 9, 2014**

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 9th, 2014; 9:00 am to 12:00 pm

Members:

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

*Sanctuary Advisory Council Member: Research (Primary)

†Sanctuary Advisory Council Member: Research (Alternate)

RAP Coordinator:

X	Burton, Erica	Monterey Bay National Marine Sanctuary
---	---------------	--

GUESTS:

Cordova, Justin	California State University Monterey Bay
Fredle, Molly	California State University Monterey Bay
Menzies, Carylann	California State University Monterey Bay
Moye, Flower	California State University Monterey Bay
Silbiger, Nyssa	Nancy Foster Scholar, MBNMS
Simpson, Jessica	California State University Monterey Bay
Srednick, Griffin	California State University Monterey Bay
Takata, Mitchell	California State University Monterey Bay
Webb, P.J.	SAC Chair, MBNMS
Yi, Cliff	California State University Monterey Bay

CONSENT ITEMS

Introductions/Modifications to the Agenda (Lindholm)

HOST PRESENTATION AND DISCUSSION

Social Sciences Update (Scorse)

- Scorse provided overview of Lapis Sand Mine case study
 - MIIS student project
 - Sand mine owned by Cemex (largest cement, aggregates, and concrete company in the world)
 - Assumption: 50-75% of ongoing erosion along Southern Monterey Bay due to Lapis mine
 - Project Questions: how do we translate these impacts into \$ values/losses?
 - Controversial way: Lost recreational value from beach loss
 - Non-controversial way: Increased need for coastal armoring and maintenance (e.g., can we put value on accelerated loss of sand?)
 - Results:
 - Recreational loss: \$1million/year in consumer surplus
 - Increased need for armoring:
 - \$130k/yr +future cost of upwards of 225k/yr +lost interest in the millions
 - Lapis mine produces 19 jobs and \$200k in tax revenue in Monterey Co.
 - Is it worth it? Economics can't answer that
 - Working Paper by Pohl and Johnston (2012), "Lapis Sand Dollars: An Economic Analysis of Non-Market Impacts of Lapis Sand Mine in Southern Monterey Bay," available at:
 - http://www.miis.edu/media/view/32489/original/pohlandjohnston_lapissanddollars2012.pdf
- Scorse provided overview of Pleasure Point surf break/home prices study
 - Correlation of \$106k additional home value for house right next to surf break in comparison to home 1 mile away from surf break (all else equal)
 - Working Paper by Scorse, Reynolds, and Sackett (2013), "The Impact of Surf Breaks on Home Prices in Santa Cruz, CA," available at:
 - http://www.miis.edu/media/view/32633/original/scorseetal_surfbreakimpactonhomeprices2013.pdf

- Update on collaborative Marine Vessels Course
 - First truly cross-campus, collaborative, interdisciplinary course by MARINE Network
 - Dr. Mike McGinnis (MIIS) will lead course
 - Roll out spring 2015
 - Topics may include whale strikes and acoustics, among others
 - Joint MARINE research grants to follow?

PRESENTATION REQUESTED BY RAP

National Ocean Economics Program (NOEP) Report, “State of the U.S. Ocean and Coastal Economies 2014” (Scorse)

- Scorse provided overview of Report
 - What this does and does not provide
 - State summaries (PDFs on web)
 - Non-market valuation and natural capital
 - NOEP expansion plans
- Report by Kildow, Colgan, Scorse, Johnston, and Nichols (2014) available at:
 - <http://www.oceaneconomics.org/Download/>
 - Report and state summaries at/near top of webpage

National Marine Sanctuaries Conservation Series Publication (DeVogelaere)

- DeVogelaere provided overview of publication series
- Series provides a forum to publish reports that focus on the complex issues facing the sanctuary system
- Typically takes 2-3 months average from submission to publication
- Template to follow
- Peer-reviewed, inside/outside review by ~3 readers
- Picked up by search engines
- <http://sanctuaries.noaa.gov/science/conservation/welcome.html>

RAP MEMBERSHIP UPDATE

Vacant Disciplines (Lindholm)

- Lindholm provided committee update
- New member: Olivia Cheriton (Physical Oceanography, alternate, USGS); <http://montereybay.noaa.gov/sac/rap/members.html#physoce>
- Previous meetings discussed potential of adding acoustic seat; adding a seat for one issue (non-broad) did not add up to adding broad discipline;
- Open seats: Fisheries, Marine Conservation Biology, Marine Policy, Shelf & Slope Ecology
- Committee will discuss potential reassignments of existing members, recruit new
- **ACTION**: committee to meet, take recommendations from RAP (via listserv)

SANCTUARY ADVISORY COUNCIL UPDATE

Summary of April 25th SAC Meeting at Santa Cruz (Hunt)

- Hunt provided update

- New members (4):
 - Conservation: Lauren Dockendorf (alternate)
 - At-Large: Elizabeth (Tucker) Hirsch (alternate)
 - CDFW: Deb Wilson-Vandenburg (alternate)
 - U.S. Coast Guard: LCDR Joe Giammanco (alternate)
 - See all SAC Members at: <http://montereybay.noaa.gov/sac/sacmem.html>
- New SAC Chair: P.J. Webb (At-Large, primary)
- New SAC Vice-Chair: Gary Pezzi (Recreation, primary)
- New SAC Secretary: Dan Haifley (At-Large, primary)
- Update on Revised Rule on Introduced Species
- Member updates
- Information item: assessing and mitigating impacts of anthropogenic sound on marine mammals (Karin Forney, NMFS)
- SAC Charter will be revised (create short, clear protocols), RAP has opportunity to comment;
- SAC Agendas/Minutes: <http://montereybay.noaa.gov/sac/sacma.html>
- **ACTION:** Hunt and Lindholm will review and share SAC Charter revision w/RAP where appropriate

SANCTUARY RESEARCH UPDATE

West Coast Research Coordination Update (DeVogelaere)

- 5 national marine sanctuaries along our coast make up the West Coast Region: Olympic Coast, Cordell Bank, Gulf of the Farallones, Monterey Bay, Channel Islands
- Other regions: Pacific, Southeast, Northeast
- Each region decides how they want to operate
- DeVogelaere is west coast region representative for research
- Priorities:
 - Expansion of sites: Cordell Bank, Gulf of the Farallones
 - Ship strikes on whales
 - EFH input to NMFS
 - Kelp Watch program tracking Fukushima impacts from tsunami
 - Sea Star Wasting Syndrome
- DeVogelaere dealing with:
 - CeNCOOS: member of governing council
 - Coordinates west coast research coordinators
 - Ocean acidification and invasive species
 - Comment on proposed rule of USCG for lashing down shipping containers
 - Sound: John Ryan (MBARI) is lead to develop soundscape for Monterey Bay, assess natural sound in area; others include Jeremy Goldbogen (Hopkins); John Joseph (NPS); Alison Stimpert (MLML)

MEETING UPDATES

Summary of April 26th Sanctuary Currents Symposium (Lindholm)

- Lindholm provided meeting update:
 - At least 350 people attended

- Received more poster abstracts than we could handle; cause: increase in high school submissions; we will work on submission criteria for 2015
- Speakers: science, advocacy, management
- New faces likely due to the theme
- Next symposium will be held at CSUMB Saturday April 25, 2015
- RAP will recruit Ricketts nominations
- <http://montereybay.noaa.gov/research/symposium.html>

SUGGESTED FUTURE AGENDA ITEMS

- Hunt: discussion of SAC charter (July meeting)
- Hunt: ways to present WQ data to region (July meeting, or later)

Future Agenda Items (running list):

- MBNMS Updates:
 - Sanctuary Ecologically Significant Areas (SESAs)
 - Integrated Ecosystem Assessment (IEA)
- 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)
- RAP Membership:
 - Revisit RAP member policies including representation: discipline vs institution; available at: http://montereybay.noaa.gov/sac/rap/history/rap_policies.html
- Continuation of SAC resolution to ban seismic air gun surveys
- 2nd update on Sea Star Wasting Syndrome

2014 RAP Meeting Schedule and Locations

Date	Host	Location
January 10	Lindholm	CSU Monterey Bay
March 14	Haddock	Monterey Bay Aquarium Research Institute
May 9	Scorse	Monterey Institute of International Studies
July 11	Wasson	Elkhorn Slough Estuarine Research Reserve
September 12	tbd	
November 14	Pomeroy	Center for Ocean Health, UCSC
