

**MBNMS Research Activity Panel
Meeting Summary
May 9, 2008**

Host: Kerstin Wasson – Estuarine Ecology (Elkhorn Slough NERR and Foundation)

Location: Elkhorn Slough National Estuarine Research Reserve
1700 Elkhorn Road
Watsonville, CA 95076

Date: Friday, May 9th, 2008; 9:00 am to 12 pm

MEMBERS:

	Discipline	Primary/ Alternate	Name	Institution
X	Research Coordinator		DeVogelaere, Andrew	Monterey Bay National Marine Sanctuary
	Biological Oceanography	primary	Chavez, Francisco	Monterey Bay Aquarium Research Institute
X	Biological Oceanography	alternate	Kudela, Raphael	University of California, Santa Cruz
X	Deep-Sea Ecology	primary	Cailliet, Greg	Moss Landing Marine Laboratories
	Deep-Sea Ecology	alternate		
X	Estuarine Ecology	primary	Wasson, Kerstin	Elkhorn Slough NERR and Foundation
X	Estuarine Ecology	alternate	Van Dyke, Eric	Elkhorn Slough NERR and Foundation
	Fisheries	primary	Grimes, Churchill	NOAA Fisheries Service
	Fisheries	alternate	Coulston, Pat	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
	Marine Policy	primary	Faurot-Daniels, Ellen	California Coastal Commission
X	Marine Policy	alternate	Sharp, Gary	Center for Climate/Ocean Resources Study
	Nearshore Ecology	primary		
	Nearshore Ecology	alternate	Carr, Mark	University of California, Santa Cruz
	Physical Oceanography	primary	McPhee-Shaw, Erika	Moss Landing Marine Laboratories
	Physical Oceanography	alternate		
X	Shelf & Slope Ecology	primary	Yoklavich, Mary	NOAA Fisheries Service
	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	Kildow, Judith	Monterey Bay Aquarium Research Institute
X	Water Quality	primary	Epel, David	Hopkins Marine Station
	Water Quality	alternate	Hunt, John	University of California, Davis

*Sanctuary Advisory Council Member: Research (Primary)

†Sanctuary Advisory Council Member: Research (Alternate) – VACANT

GUESTS:

	Name	Institution
X	Burton, Erica	Monterey Bay National Marine Sanctuary
X	Cummings, Molly	University of Texas, Austin
X	De Beukelaer, Sophie	Monterey Bay National Marine Sanctuary
X	LaFranchi, Chris	West Coast Regional Office, National Marine Sanctuaries
X	Largay, Bryan	Elkhorn Slough NERR
X	McCarthy, Erin	Elkhorn Slough NERR
X	Ramp, Steve	CeNCOOS/MBARI
X	Recchia, Cheri	MPAs Monitoring Enterprise
X	Scheiblaue, Steve	City of Monterey Harbor and Marina
X	Schmidt, Eric	Shaw Environmental, Inc.
X	Selbie, Hugo	Monterey Bay National Marine Sanctuary, Sea Grant Fellow
X	Suarez, Becky (Christensen)	Elkhorn Slough NERR
X	Wooninck, Lisa	Monterey Bay National Marine Sanctuary

CONSENT ITEMS**Introductions/modifications to the agenda (Chris Harrold)****PRESENTATIONS****Elkhorn Slough Tidal Wetland Project (Bryan Largay/ESNERR)**

- Bryan discussed the components of ecosystem-based management, and the preliminary alternatives being considered to reduce tidal erosion
- <http://www.elkhornslough.org/tidalwetlandproject/index.html>

Elkhorn Slough: Regulatory challenges and economic impacts (Judith Kildow/ National Ocean Economics Program & MBARI)

- Judith discussed the challenges to restore Elkhorn Slough to salt marsh or let it become mostly mud flat, including policy and economics, and the National Ocean Economics Program (NOEP) Method
- www.oceaneconomics.org

MPA Social Science (Carrie Pomeroy)

- Carrie outlined social science methods, various social science guidance documents, social science applications, MPA social science in the region since 2003, and other relevant social science topics

Monitoring MPAs under the MLPA (Cheri Recchia/MPAs Monitoring Enterprise)

- Cheri reviewed core questions, the purpose of monitoring, MPA system goals (Marine Life Protection Act), traditional monitoring foci, monitoring targets, future management decisions, next steps, and longer term issues
- www.calost.org/monitoring_ent.html

DISCUSSION ITEMS

April SAC meeting debrief (Chris Harrold)

- Chris reviewed the April SAC meeting discussion on the Light Brown Apple Moth (LBAM). Chris agreed to bring LBAM issue to RAP for discussion. A future presentation to the RAP, on the impacts to marine environment, was suggested.
- Chris reviewed the MBNMS MPA Decision Rationale Document; which was emailed to RAP in preparation for this meeting. Lisa Wooninck (Environmental Policy Advisor/MBNMS) will be forming science panel, and would like a RAP member to participate in the panel

RAP Membership – vacant seats (Chris Harrold)

- As requested by the RAP at the March 14th meeting, John Hunt applied for SAC Research Alternate (RAP vice-chair)
- Nominations received for other vacant seats
 - Deep-sea Ecology (alternate): 2 nominations
 - Fisheries (alternate): 2 nominations
 - Nearshore Ecology (primary): 1 nomination
 - Physical Oceanography (alternate): 3 nominations
- Volunteer for selection committee requested: Curt Storlazzi volunteered
- Committee [RAP Chair (meeting leader), a volunteer RAP member, MBNMS Research Coordinator, MBNMS Superintendent, and SAC Chair] will contact those nominated to see if interested; bio information will be requested; committee will make decision
- http://montereybay.noaa.gov/research/RAPhistory/rap_policies.html

Regional Sediment Management Report – RAP Review (Curt Storlazzi)

- Curt briefly reviewed a report entitled “Regional Sediment Management – Offshore Canyon Sand Capture,” assessing the potential for capturing sand before it is lost from the coastal zone to un-recoverable depths, a 76-page final position paper report prepared by Moffet and Nichols on contract by US Army Corps of Engineers (USACE) and the CA Coastal Sediment Management Workgroup (CSMW)
- The USACE asked the USGS to review the document
- Curt Storlazzi (USGS) sent it to the RAP for review
- Comments provided by several RAP members (Andrew DeVogelaere, Kerstin Wasson, Charlie Paull, Curt Storlazzi), and others (Brad Damitz/MBNMS, Bryan Largay/ESNERR, Ed Thorton/NPS)
- Curt Storlazzi provided 8 pages of RAP and MBNMS comments to USACE and MBNMS.

Sanctuary Currents Symposium (Hugo Selbie/MBNMS)

- Hugo reviewed the happenings at the April 5, 2008, symposium “Oceans of Change: Our Climate, Our Sanctuary, Our Future”; including the speaker line-up, the Ricketts Memorial Lecture (James P. Barry, Monterey Bay Aquarium Research Institute), and the research poster award winners
- <http://montereybay.noaa.gov/research/symposium.html>

SUGGESTED FUTURE AGENDA ITEMS

- Mystery Spill November 2007: Raphe Kudela, John Ryan, Steve Ramp, Heather Kerkering
- Ocean Science Summit: Judith Kildow

Future Agenda Items (running list):

- Water Quality
 - Findings on tracking pathogens in sea otters and connection to FW flows (CDFG, UC Davis?)
 - Critical coastal areas presentation (ASBS, areas water quality impaired, areas in good state; Ross Clark)
- Food Safety Measures and Affected Wildlife (requested by Mary Yoklavich)
- SIMoN
 - SIMoN: future monitoring (JMPPR or beyond)
 - SIMoN Special Status Species Project (Jennifer Brown)
 - Linking SIMoN to management (Amber Szoboszlai)
- MPAs
 - The first five years of monitoring the Channel Islands Marine Protected Areas Network (Satie Airame, Sean Hastings, or Chris Harrold)
 - CINMS MPA evaluation (Mark Carr/NCEAS)
 - MPA science synthesis – MLPA (Mark Carr)
 - MPA monitoring projects (Jason Vasques)
- Coastal armoring and coastal erosion (Ed Thornton)
- Communication Partnership for Science and the Sea (COMPASS)
- MLML expansion, Sustainable Seafood Process Plant (Kenneth Coale)
- Wave Model Development and Implementation (Paul Wittmann/Fleet Numerical)
- Light Brown Apple Moth spraying (requested by Judith Kildow) - Henric Kbiek; Ingrid Parker): aquatic/marine research issues/impacts?

2008 RAP Meeting Schedule and Locations

Date	Host	Location
January 11	Harrold	Monterey Bay Aquarium
March 14	Carr	Long Marine Lab, UCSC, Santa Cruz
May 9	Wasson	Elkhorn Slough NERR
July 11	Cailliet	Moss Landing Marine Laboratories
September 12	Coulston	CDFG, Monterey
November 14	Storlazzi	USGS, Santa Cruz
