

**MBNMS Research Activity Panel
Meeting Summary
November 2006**

Host: Elkhorn Slough National Estuarine Research Reserve
Location: ESNERR
Date: Friday, November 17th, 2006; 9:00 am to 12 pm

Members present:

	Name	Institution	Discipline	Primary or Alternate
X	Cailliet, Gregor	Moss Landing Marine Laboratories	Deep Sea Ecology	primary
X	Coulston, Pat	California Department of Fish & Game	Fisheries	alternate
X	DeVogelaere, Andrew	Monterey Bay National Marine Sanctuary	Research Coordinator	
X	Harrold, Chris	Monterey Bay Aquarium	Marine Conservation Biology	primary
X	Hunt, John	University of California, Davis	Water Quality	alternate
X	Moore, Steve	CSU Monterey Bay	Nearshore Ecology	primary
X	Paull, Charles	Monterey Bay Aquarium Research Institute	Marine & Coastal Geology	alternate
X	Sharp, Gary	Center for Climate/Ocean Resources Study	Marine Policy	alternate
X	Wasson, Kerstin	Elkhorn Slough NERR	Estuarine Ecology	primary
X	Yoklavich, Mary	NOAA Fisheries Service	Shelf & Slope Ecology	primary

Guests:

	Name	Institution
X	Anglin, Lorraine	Monterey Bay National Marine Sanctuary
X	Burton, Erica	Monterey Bay National Marine Sanctuary
X	Conley, Gary	Monterey Bay National Marine Sanctuary
X	Hall, Deirdre	Monterey Bay National Marine Sanctuary
X	Jorgensen, Sal	Monterey Bay Aquarium/TOPP
X	Lonhart, Steve	Monterey Bay National Marine Sanctuary

CONSENT ITEMS

Introductions/modifications to the agenda (Chris Harrold)

Addition: DeVogelaere passed around 2007 RAP meeting schedule and sign-up sheet to host

UPDATES

RAP Membership update (Chris Harrold)

- 5 new members
 - Erika McPhee-Shaw: Physical Oceanography (primary), MLML
 - Raphael Kudela: Biological Oceanography (alternate), UCSC
 - Pat Coulston: Fisheries (alternate), CDFG
 - Steve Bograd: Physical Oceanography (alternate), PFEL
 - John Hunt: Water Quality (alternate), UC Davis
- 2 vacancies remain: Deep-sea Ecology (alternate); and Social Science (alternate)

- RAP should forward nominations to Chris Harrold and Andrew DeVogelaere; however, RAP decided that there is no deadline to fill these positions. They will be under the status, “open until filled.”

Sanctuary Currents planning update (Chris Harrold)

- The theme is “Ocean Observatory Systems”
- Still working on Symposium name
- Speakers in the morning
 - Marcia McNutt will give kick off event with an overview
 - Francisco Chavez: The state of the CA ecosystem
 - Dan Costa: New technologies of animals as ocean sensors
 - Toby Garfield: New technologies for ocean sensors
 - Raphael Kudela: Monitoring Harmful Algal Blooms with genomic and other sensors
 - Joanne Vanderhorst, Junipero Serra School: Education and real-time ocean data
 - Steve Ramp: – AOSN – Monterey Bay Experiment 2006
- 2 hrs lunch and poster session
- 2-3pm Ricketts lecture
- Get poster abstracts in early, due to many interested, ie., space problem
- DeVogelaere: we will send out reminder via listserv

Joint Management Plan Review (JMPR) events (Andrew DeVogelaere)

- DeVogelaere
 - Described JMPR history/process
 - Draft Management Plan and EIS CD, Fact Sheets
 - Informational workshops were held in October
 - Public Hearings will be held in November and December
 - MBNMS will work with HQ to address public comments
 - RAP (and others) have an opportunity to comment at hearings, written, email
- Following suggestion by Charlie Paull, Chris & Andrew will ask specific RAP members to review and comment on specific action plans. They will follow up via e-mail.
- Public comment ends Jan 5
- SAC meeting Dec 15 (Harrold requests comments prior)

PRESENTATIONS

Marine Mapping Initiative (Steve Lonhart)

Steve Lonhart gave a brief presentation on the Marine Mapping Initiative

- CA coastal conservancy contracted with Monterey Bay Sanctuary Foundation; SIMoN handled RFPs; project maps from MHHW to 3 miles offshore; spans area for second phase of MLPA process
- Site selection based on workshop in late '05; CA Coastal Conservancy provided \$1.2M; selected collaborative proposal that included CSUMB SFML, Fugro Pelagos, Inc., USGS, Center for Habitat Studies at MLML
- LIDAR airborne bathymetry 0-20m; multi-beam bathymetry 20 m to 3 nm

- \$1 million additional funded by CDFG (will use Kvitek too)
- Ocean Protection Council and CA Coastal Conservancy recently allocated additional funds (~\$1.5M) to augment the initiative
- FULMAR will be used for 37 d, all work completed before May 31, 2007

Whale Disentanglement Workshop (Deirdre Hall)

Deirdre Hall gave a brief presentation on a recent workshop held at MLML

- Sept 19-20, 2006 at MLML; hosted with GFNMS, MBNMS, HIHWNMS
- Purpose: who should respond, training
- 25 state/fed/research partners
- video shown of operations in the field
- future: training with inflatables and R/V FULMAR

Hall: it hasn't been clear as to who to call, and that is what came out of this meeting, and outreach; no one stepped forward to be that person(s); a good nexus would be marine mammal center; MBNMS could have the boat available

DeVogelaere: RAP members, if anyone at your institution is interested in that role, we'd like to hear about it

BREAK

ESNERR Institutional Update (Kerstin Wasson)

Kerstin Wasson gave an institutional update

- Long-term monitoring (Stimulates short-term research projects)
 - Biological indicators
 - Amphibian monitoring
 - CA red-legged frog
 - Increased Ag input areas have increased malformations in limb buds (caused by trematodes)
 - Crab monitoring
 - Decrease naturally occurring crab, increase European green crab
 - Water quality
 - Time-series sampling
 - In-situ nitrate sampling (MBARI, K. Johnson)
 - Habitat change
 - Hydrological alterations
 - Increased tidal exchange
 - Decreased tidal exchange
- Elkhorn Slough Research Symposium – January 16, 2007 at MLML (for researchers doing Slough work, not public)
 - Send abstracts or participant interest to Kerstin

Tagging of Pacific Pelagics: Tagging Adult White Sharks in Central California, Migration and Homing (Sal Jorgensen, Monterey Bay Aquarium, Post-doc)

Sal Jorgensen gave a presentation on recent results of white shark tagging research

- High population numbers of white sharks occur at 3 pinniped haul-out locations (Año Nuevo, Farallones, Pt Reyes;)
- Offshore migration investigations
 - 3 destination locations: nearshore, Hawaiian islands, between the two (“Café”)
 - Weng et al, in prep – Seasonal movement - Fall: nearshore; winter moving offshore; summer offshore; spring returning nearshore
 - Looking for vessel for acoustic receiver deployment in three sanctuaries

DISCUSSION ITEMS

Science/Research Award and Ricketts Lecture Award (Erica Burton)

- RAP discussed several scientists for each award
- Burton to send reminder via email to provide nomination paragraphs
- RAP will send Erica Burton nomination paragraphs - deadline Dec 15th
- Voting (to Erica via email) will take place shortly thereafter, due mid-January

SUGGESTED FUTURE AGENDA ITEMS

Future Agenda Items:

- WQ: Bacterial contamination (per John Hunt, who will find speaker)
- Cultural Resources, USS Macon (Erica Burton)
- MPA’s and permits (John Pearse)
- SIMoN: future monitoring (JMPR or beyond)
- Findings tracking pathogens in sea otters and connection to FW flows (CDFG, UCDavis?)
- MLPA issues including monitoring, design workshop (Mary Bergen, Charlie Wahle, Jenn Brown, Pat Coulson?)
- Ocean Protection Council and other related groups (Amber Mace?)
- FULMAR operations, ship time allocations, and RFPs (Lorraine?)