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:

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<tr>
<th>Discipline</th>
<th>Primary/ Alternate</th>
<th>Name</th>
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<td>DeVogelaere, Andrew</td>
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<td>Hunt, John†</td>
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*Sanctuary Advisory Council Member: Research (Primary)
†Sanctuary Advisory Council Member: Research (Alternate)
GUESTS:

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<tr>
<td>X Burton, Erica</td>
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<td>X Frey, Oren</td>
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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/cca-nps.html)
• [http://www.coastal.ca.gov/nps/Web/cca_pp_centcoast.htm](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
- **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

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Future Agenda Items (running list):
• SIMoN
  o 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
  o MBNMS EBM Initiative
  o IEAs, including those that have been implemented (e.g., Phil Levin, Frank Schwing, John Stein; per Yoklavich)
• MPAs
  o State MPA monitoring projects (e.g., Jason Vasques)
  o 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)
  o Global view
  o CA coast (Lisa Sloan, UCSC; sea level rise, Breaker)
  o GFNMS/CBNMS Ocean Climate Initiative (e.g., GFNMS staff: Kelley Higgason or Maria Brown)
  o GFNMS/CBNMS Climate Change Impacts Report (e.g., Largier)
  o What differences MBNMS might observe (per Starr)
  o Local/MBNMS (who? Curt?)
  o Perhaps MBCORC hosts a 1 or 2 day science meeting (per Storlazzi)
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