

**Channel Islands National Marine Sanctuary
Sanctuary Advisory Council**

**DRAFT Key Meeting Outcomes
March 21, 2014**

**Robert J. Lagomarsino Visitor Center at Channel Islands National Park Headquarters
1901 Spinnaker Drive · Ventura Harbor, CA**

*Note: This document will be posted on line at <http://channelislands.noaa.gov/sac/minutes.html>.
Audio recordings of this and other Council meetings are available upon request to
michael.murray@noaa.gov.*

Attendance: At peak, fifteen of the council's twenty-one voting seats were present (see attached attendance roster). Five seats were absent for the day: National Marine Fisheries Service, Bureau of Ocean Energy Management, California Department of Fish and Wildlife, California Natural Resources Agency, and California Coastal Commission. Public attendance varied throughout the day, averaging six people.

Administrative Business and Announcements:

The draft key outcomes from the January 24, 2013 meeting were unanimously approved as final.

Superintendent's Report

Superintendent Chris Mobley encouraged members to use the SAC as a forum to promote achieving mutual goals. On Jan. 28th there was a volunteer recognition dinner jointly hosted by CINMS and Channel Islands National Park. CINMS is working on the development of Unmanned Aerial Systems (UAS) for ocean monitoring and working with BOEM, BSEE, and the Navy to develop UAS at CINMS. CINMS is working with Vandenburg Air Force Base to reach an agreement that will allow CINMS to help them with some of their launch area control. The budget for this fiscal year is sufficient but not particularly large. The NOAA drifter program is primarily an education and outreach program where drifters are deployed. Students/teachers can then track the drifters online and learn about ocean currents, marine debris, sea surface temperature, etc.

Member Announcements

A number of Council members shared announcements (unrelated to meeting agenda items). Audio recordings are available upon request.

Monitoring of Channel Islands Marine Protected Areas

Dr. Jenn Caselle, a research biologist with the Marine Science Institute at UC Santa Barbara and lead researcher at PISCO (Partnerships for Interdisciplinary Studies of Coastal Oceans), presented on monitoring efforts in Channel Islands Marine Protected Areas to the SAC. Her work evaluates MPAs to determine effectiveness, refine designs and adaptive management, and learn how marine ecosystems are affected by human alteration. PISCO deploys random transects in survey areas to count species throughout the water column. Her work has found that, on average, fish biomass is greater in reserves for species that are fished and there is no statistical difference for non-fished species inside and outside of reserves. Her research has also found that the difference in biomass between inside and outside reserves for fished species is also increasing over time. Dr. Caselle only calculates density for invertebrates, but not biomass, and has found densities to be much higher inside reserves. Her future plans are to investigate roles of environment, recruitment, and fishing pressure on temporal pattern changes in addition to assessing changes in community structure.

David Bacon asked about monitoring mobile species and if mobile species' behaviors might change. Dr. Caselle said that with increased mobility we would expect it to be less likely to see differences inside and outside reserves. She did not know the answer to his question about behavior change. John Ugoretz asked if Dr. Caselle corrected for sampling variation, and she said she did. She added that all confidence intervals were smaller for

inside reserves than outside. According to Dr. Caselle, this may indicate increased resilience and stability within reserves. Phyllis Grifman asked if these results or trends would hold in other places and if there is enough funding to support this for another 5-10 years. Dr. Caselle said the patterns are most dramatic in the Channel Islands when compared to MPAs in other areas and that funding is always questionable.

Santa Barbara Channel Marine Protected Area Collaborative

Calla Allison is director of community partnerships for the MPA Collaborative Implementation Project. She discussed how the State has acknowledged that a network of community-based partnerships is needed. These community partnerships, or collaboratives, provide a localized, comprehensive approach to MPA management by bringing together local experts and authorities. Participants include agencies with jurisdictional authority, tribes, landowners, community groups, environmental groups, aquaria, academic institutions, fishing associations, marine businesses, and ocean user groups. Participants can use the collaboratives as a way to work on site-specific projects with local partners, a forum to communicate to state agencies about issues, and a way to receive information on statewide efforts in monitoring, enforcement, and outreach. The collaboratives are roughly based on county lines that have biannual regional meetings and an annual statewide meeting. The Santa Barbara Channel collaborative helps connect Channel Islands MPAs with the newly established mainland MPAs. In the future, the MPA Collaborative Implementation Project wants to figure out how to more effectively share information and the larger MPA story to the public and stakeholders.

David Bacon said he wants it to be recognized that many people gave up a lot when the MPAs were created and he wants people to recognize that we may be creating problems since MPAs can cause overfishing on their edges. He said he wants a balanced MPA message that gets these points across. Luhui Isha Ward pointed out that the Santa Ynez band of Chumash is the only federally recognized band and that this often leads to state agencies reaching out to them but often overlooking other bands. She asked that all bands are kept in mind when considering participants.

Marine Shipping Working Group Update

Kristi Birney and Sean Herron provided a progress report on the Marine Shipping Working Group. The Santa Barbara Foundation has contributed \$65,000 to date. The working group members are John Ugoretz (U.S. Navy, with Walt Schobel as alternate), Brian Shafriz (SB Air Pollution Control District, with Mary Byrd as alternate), TL Garrett (Pacific Merchant Shipping Association), Kathy Metcalf (Chamber of Shipping of America), Lee Kindberg (Maersk Line), Stephen Whitaker (CI National Park), John Calambokidis (Cascadia Research), Phyllis Grifman (University of Southern California Sea Grant), Cassidy Teufel (CA Coastal Commission), Andrea Mills (Island Packers), and Kristi Birney (Environmental Defense Center). Technical experts are Elizabeth Petras (National Marine Fisheries Service), Jessica Redfern (NOAA Fisheries), Radiah Jones (US Coast Guard), Megan McKenna (National Park Service), Kip Louttit (Marine Exchange of Southern California), and James Fawcett (University of Southern California Sea Grant). CINMS has reached out to Cordell Bank and Gulf of the Farallones National Marine Sanctuaries to get input on a similar working group that addressed ship strikes and acoustic impacts. The role of CINMS staff is to provide information, bring in outside experts, provide support with logistical planning/facilitation, work with the chair to develop the issues to be covered, help contact the shipping industry, and arrange meetings.

Public Comment

Conrad Metzenberg (public) asked what sort of services Maersk has offered. Kristi said Lee Kindberg from Maersk will help with technical questions as they are raised. Chris Mobley said he would like to try to do a survey to ask captains about how many times they have seen a whale, hit one, had a close call, etc. Maria Petueli said the education team is interested in looking into this. CINMS should send them the specific information its staff is looking for.

Marketing Subcommittee Report and Recommendations

Michael Cohen showed the CINMS profile on the Visit Santa Barbara site and discussed refining it by adding maps and pictures within the text. He also discussed the need for finding simple ways for CINMS to partner

with Visit Santa Barbara and promote the sanctuary as a viable tourist attraction. CINMS will start adding events to the Visit SB calendar. His main points were to optimize the use of social media, consider product sales (selling CINMS products like hats, shirts, cards, etc.) on a small scale through partnerships, assure that concise and coordinated message for the Naturalist Corps Volunteers are being consistently conveyed, boost visibility through the Visit Santa Barbara partnership, and organize special events and familiarity tours.

Russell Galipeau said the Park Service will announce a new centennial campaign next year. Research they have done has shown the 18-34 demographic is not being effectively reached and he thinks CINMS needs to think of targeted campaigns to reach these people. Bruce Steele said he thinks a simple message that conveys which seafood that is in season could draw culinary tourism. David Bacon said CINMS concentrates heavily on its mission, but also needs to convey the fun things people can do in the sanctuary. Also, he said recreational fishers are the sanctuary's number 1 constituency, so the sanctuary should also think of ways to target them. Phyllis said CINMS needs to increase the use of hashtags. Bruce Steele recommended looking into utilizing Go-Pro and pictures. He also said the sanctuary should also encourage people to submit pics. Vic Cox said the Naturalist Corps volunteers do say that the sanctuary is a co-sponsor and he doesn't think it is practical to mandate exactly what they say and for how long.

The recommendations were voted on and passed with 14 votes in favor, and one member not voting.

MERITO Academy

Rocio Lozano-Knowlton gave an update on the status of and plans for the Multicultural Education for Resource Issues Threatening Oceans (MERITO) Academy. MERITO is an ongoing marine science education and conservation program for grade levels 4-12. MERITO's methods include curriculum, professional development, in-class presentations, field experiences, sponsorship of student transportation, student projects, collaboration with partner agencies and NGOs, and internships for college students. There are 37 in-class and 13 in-field hands-on science based activities that are adapted to the Santa Barbara Channel biogeographic region. Students learn about watershed connections to the ocean and monitoring coastal techniques while exploring the coast and Channel Islands. To date, the MERITO program has taken close to 5,000 students to the Channel Islands in the last 7 years. MERITO Foundation is waiting for tax-exempt status. The website will hopefully be ready next month.

Phyllis Grifman asked how MERITO does long-term tracking of students. She recommended self-reporting, such as students using Facebook. Rocio said that some schools follow up with students and ask what schools/fields they want to go into after they finish. She also wants to work with the school districts since they have all the students' information needed to follow up. Russell Galipeau said CINP is looking into how to build a measurement system to track success with students.

Advisory Council Charter Renewal

The charter renewal goes into effect in June. The main charter change that will go into place in June is term limits (3 term limit for public seats). This is not retroactive, so the current terms do not count. There are two waiver situations: if it is determined the member is critical (determined by the superintendent) to the council for a particular reason or the seat has been historically challenging to fill due to remote location and distance from population centers/or a limited applicant pool is available.

Working Group Reports

Channel Islands Technical Advisory Committee (TAC) on Enforcement: Cody Dunagan announced the Coast Guard continues to patrol within CINMS and enforce regulations.

Research Activities Panel: No updates by Mark Steele. Chris Mobley said the sanctuary is hoping to have a new research coordinator by the next SAC meeting.

Marketing Subcommittee: No updates beyond what was stated earlier.

Sanctuary Education Team: Maria is actively recruiting educators to apply for the SAC education seat. The SET is interested in accumulating AIS data for a report to evaluate the effectiveness of outreach efforts to the shipping industry.

Recreational Fishing Working Group: This is the season of industry trade shows. David Bacon had no report yet but will have one next time.

Commercial Fishing Working Group: Haven't had any meetings. Ocean acidification research is finally tying together links between biology and chemistry, which is of great interest to the fishing industry.

Conservation Working Group: SB Channelkeeper is doing radiation monitoring and has not detected anything yet. Woods Hole Institute has an excellent FAQ about radiation threats on their website.

Chumash Community Working Group: There is an event on Sunday night.

Meeting Close-out

Dianne Black closed out the meeting, noting that upcoming SAC meetings in 2014 will be held on:

- Friday, May 16 (Santa Barbara)
- Friday, July 18 (Oxnard)
- Friday, September 19 (Santa Barbara)
- Friday, November 21 (Ventura)

Meeting Attendance Roster (03/21/2014):

Andrea Mills	Tourism	Present
Matthew Curto	Tourism – Alternate	Absent
Debra Herring	Non-Consumptive Recreation	Present
Stuart Wilson	Non-Consumptive Recreation - Alternate	Present
Michael Cohen	Business	Present
Capt. Kip Louttit	Business - Alternate	Absent
Kristi Birney	Conservation	Present
Greg Helms	Conservation - Alternate	Present
Bruce Steele	Commercial Fishing	Present
Stephanie Mutz	Commercial Fishing - Alternate	Absent
Capt. David Bacon	Recreational Fishing	Present
Merit McCrea	Recreational Fishing - Alternate	Absent
Maria Petueli [Council Secretary]	Education	Present
Amanda Allen	Education – Alternate	Absent
Dr. Robert Warner	Research	Absent
Dr. Mark Steele	Research – Alternate	Present
Phyllis Grifman [Vice-Chair]	Public At Large #1	Present
Victor Cox	Public At Large #1 - Alternate	Present
Eric Kett	Public At Large #2	Absent
Richard Block	Public At Large #2 - Alternate	Present
Luhui Isha Waiya	Chumash Community	Present
Mati Waiya	Chumash Community - Alternate	Absent
Elizabeth Petras	NOAA Fisheries	Absent
Shelby Mendez	NOAA Fisheries - Alternate	Absent
Russell Galipeau	National Park Service	Present

David Ashe	National Park Service - Alternate	Absent
CDR Christina Davidson	US Coast Guard	Absent
LT Cody Dunagan	US Coast Guard – Alternate	Present
Donna Schroeder	Bureau of Ocean Energy Mgmt (BOEM)	Absent
Dr. Ann Bull	BOEM – Alternate	Absent
John Ugoretz	Dept. of Defense	Present
Walt Schobel	Dept. of Defense - Alternate	Present
Craig Shuman	CA Dept. of Fish & Wildlife	Absent
Kai Lampson	CA Dept. of Fish & Wildlife - Alternate	Absent
Rich Rozzelle	CA Natural Resources Agency	Absent
Amy Vierra	CA Natural Resources Agency - Alternate	Absent
Dr. Jonna Engel	CA Coastal Commission	Absent
Steve Hudson	CA Coastal Commission - Alternate	Absent
Dianne Black [Council Chair]	Santa Barbara County	Present
Susan Curtis	Santa Barbara County - Alternate	Absent
Gary Hirtensteiner	Ventura County	Present
<vacant>	Ventura County - Alternate	--
Chris Mobley	Channel Islands NMS [non-voting]	Present
Paul Michel	Monterey Bay NMS [non-voting]	Absent
Karen Grimmer	Monterey Bay NMS - Alternate [non-voting]	Absent
Maria Brown	Gulf of the Farallones NMS [non-voting]	Absent

Vote on Marketing Subcommittee Recommendations

<i>Name</i>	<i>Council Seat - position</i>	<i>Vote</i>
Andrea Mills	Tourism - member	Yes
Debra Herring	Non-Consumptive Recreation - member	Yes
Michael Cohen	Business - member	Yes
Kristi Birney	Conservation - member	Yes
Bruce Steele	Commercial Fishing - member	Yes
Capt. David Bacon	Recreational Fishing - member	Yes
Maria Petueli	Education - member	Yes
Dr. Mark Steele	Research - alternate	Yes
Phyllis Grifman	Public At Large #1 - member	Yes
Victor Cox	Public At Large #1 - alternate	No Vote
Luhui Isha Ward Mati Waiya	Chumash Community - member Chumash Community - alternate	ABSENT
Elizabeth Petras Shelby Mendez	NOAA Fisheries – member NOAA Fisheries- alternate	ABSENT
Russell Galipeau	National Park Service - member	Yes
LT Cody Dunagan	US Coast Guard - alternate	Yes
Donna Schroeder Dr. Ann Bull	Bureau of Ocean Energy, Management, Regulation & Enforcement - member Bureau of Ocean Energy, Management, Regulation & Enforcement - alternate	ABSENT
John Ugoretz	Dept. of Defense - member	Yes
Craig Shuman Kai Lampson	California Department of Fish & Wildlife – member California Department of Fish & Wildlife- alternate	ABSENT

Rich Rozelle Amy Vierra	California Natural Resources Agency - member California Natural Resources Agency - alternate	ABSENT
Dr. Jonna Engel Steve Hudson	California Coastal Commission - member California Coastal Commission - alternate	ABSENT
Dianne Black	Santa Barbara County - member	Yes
Gary Hirtensteiner vacant	Ventura County - member Ventura County - alternate	Yes