

CHANNEL ISLANDS NATIONAL MARINE SANCTUARY
2017 Sanctuary Advisory Council Prioritized Topics of Interest: Year-End Update

<i>Topic</i>	<i>Possible SAC Activities</i>	<i>End-Of-Year Notes</i>	<i>Ranked High Priorities¹</i>
<u>A. MARKETING, TRAVEL & TOURISM</u>			
A1. Get Into Your Sanctuary event	a) SAC Marketing Subcommittee and SAC to learn about and provide advice for improving success with CINMS participation in an ONMS Get Into Your Sanctuary weekend event, scheduled for Aug 12-13, 2017.	<i>Council was briefed on this upcoming event in July; Marketing Subcommittee did not convene.</i>	
A2. Social media	a) Continue to recommend ways to improve CINMS use of social media; possibly receiving advice on best practices from the council's Marketing Subcommittee. Strategic planning for use of social media across high priority issues (Ben P.). b) SAC Marketing Subcommittee to reconvene (or have regular check-ins with staff); address recommendations/opportunities raised during July 2014 Tourism panel session; continue to recommend ways to improve CINMS use of social media (12,000 Facebook likes by the end of 2017) (Michael Cohen). c) Bring back Visit Santa Barbara and similar organizations to learn from them. d) Build out Instagram for CINMS.	<i>a) Business seat member continued to check on and emphasize social media use at and about CINMS. b) Turnover with SAC tourism seat and short gap in Marketing Subcommittee leadership; Subcommittee did not convene. CINMS "likes" on Facebook reached 8,187 at the end of 2017. c) Did not take place in 2017. d) ONMS recently began using Instagram on behalf of all sanctuary sites.</i>	H
<u>B. SHIPPING-RELATED ISSUES</u>			
B1. Vessel Speed Reduction	a) Learn about 2016 Vessel Speed Reduction program results, hear from participating shipping lines, and discuss continuation of the program in 2017.	<i>The council learned about results of the 2016 VSR program in Jan. 2017, and discussed the future of the program with shipping reps (Jan 2017) and during periodic staff reports.</i>	H
B2. Marine Shipping Working Group follow-up	a) Update from staff on consideration of and progress implementing ideas from the council's Marine Shipping Working Group .	<i>Staff reported on several aspects of MSWG suggestions, with an emphasis on incentive-based programs. Was not a comprehensive review of all MSWG ideas.</i>	H-
<u>C. SANCTUARY CONDITION REPORT</u>			
C1. Ecosystems Services section	a) Present council with information on development of an ecosystem services assessment within the Condition Report; Chumash Community Working Group may be interested in participating.	<i>Staff introduced the idea to the SAC Chumash Working Group, and the full council received a briefing on this as part of a Condition Report presentation. Development of an ecosystem services assessment for CINMS has been delayed at ONMS headquarters, and will continue into 2018.</i>	H-
C2. Review & Feedback	a) Receive staff presentation on completed draft Condition Report when available (possibly late-2017); council to provide feedback (including from RAP) for staff consideration prior to final report completion.	<i>Staff previewed the CINMS Condition Report at the Sept. 2017 meeting, soliciting feedback. Select RAP members were approached for review assistance. Report completion expected by mid-2018.</i>	H+

¹ Rankings were tabulated based on 21 council member worksheets received in January 2017. High priority topics (H+, H or H-) are among those that the Executive Committee worked to place on SAC meeting agendas, although it was not possible to cover them all. Other items were ranked as less than high, and were placed on agendas if possible or if circumstances changed. The council's Executive Committee remains open to considering items not listed; e.g., see list at the end of this report.

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D. SEAFLOOR MAPPING INITIATIVE			
D1. Seafloor Mapping	a) Receive staff updates on progress of high-resolution mapping of the seafloor in CINMS and adjacent areas ; council to discuss significance of this new and growing body of information, possibly providing advice related to education and outreach or other uses.	Brief reports were provided to the advisory council following each mapping expedition within the sanctuary. More of these activities are expected in 2018.	H-
D. FISHERIES & FISHING			
D1. Education about Fishing in CINMS	a) Fishing representatives (commercial & recreational) to propose and help arrange educational talks to the council designed to elevate our understanding of Channel Islands-based fishing opportunities, practices, resources, fisheries, etc. b) Invite Donna Schroder (BOEM) to help inform the council about commercial fisheries catch in our area (Santa Barbara Channel and Channel Islands) based on her research and presentation on this topic.	a) Capt. David Bacon was active in 2017 with the ONMS Recreational Fishing Team, reporting in January 2017, and again in Jan. 2018. Also, providing local fishing reports at each meeting. No reports of this type from commercial fishing reps in 2017, but we did learn about various commercial fisheries from our agency reps (Julia Coates, Donna Schroeder). b) Donna Schroeder presented her commercial fisheries analysis information to the council in May 2017.	H-
D2. Rec Fishing Summit follow-up	a) Receive notes/statements from Dec 2016 National Marine Sanctuary Advisory Council Recreational Fishing Summit; hear from rec fishing member; discuss ideas for moving forward. b) Recreational Fishing & Science Priorities: wire recreational fishing into: i) sanctuary science priorities, planning and execution; ii) Research Activities Panel (Capt. David Bacon)	a) Capt. David Bacon was active in 2017 with the ONMS Recreational Fishing Team, reporting in January 2017 and again in Jan. 2018. b) Staff became engaged in supporting Capt. David's pursuit of a different project area: working with the subsistence angler community (more on this in 2018).	
E. MARINE PROTECTED AREAS (MPAs)			
E1. Biological & Socioeconomic Monitoring of Channel Islands MPAs	a) As new information becomes available, hear and learn from scientists that have been conducting marine reserve monitoring or studies, including socioeconomics, in/around the Channel Islands. b) Consistent with past reporting from the Research Activities Panel (RAP) hear an informal characterization of the status of key biological/ecological MPA monitoring programs/studies at the Channel Islands. c) Radar pilot project – UCSB Mechanical Engineering Dept. partner to report on use of radar to monitor vessel patterns in/around MPAs, possible expansion of system to islands.	a) The council heard from Lindsay Marks, and Katie Davis, about new studies related to how introduced species (algae) fare in different types of MPAs, and outside MPAs. b) The RAP did not meet on this topic in 2017. c) The council learned (briefly) about plans for UCSB mechanical engineering students to work with sanctuary staff on scaling up and relocation to the islands of the pilot system the SAC previously learned about. More to come in 2018.	H+
E2. MPA Education	a) In coordination with the Santa Barbara Channel MPA Collaborative group , learn about new education and outreach activities relevant to the Channel Islands MPAs as well as mainland coast MPAs.	Council received periodic reports on the SB Channel MPA Collaborative from members of the council's Conservation Working Group.	H-

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F. CLIMATE CHANGE EFFECTS			
F1. Ocean Acidification (OA)	a) Council to hear from and understand the latest ocean acidification monitoring and science experiments being set up within and adjacent to CINMS (consider invitation to UCSB Hofmann lab), and an update on OA education/communication activities from CINMS staff (L. Francis). b) Council to hear and learn from scientists working within CINMS to explore, monitor and sample deep sea coral habitats, in part to detect possible OA effects. To include learning from Oct 2017 expected mission.	a) This topic did not make it onto a SAC or Working Group agenda in 2017. b) Staff reported briefly on research cruises in 2017 that advanced this work, but we were unable to coordinate talks to the council by the visiting scientists that were the principle investigators for this work. More of this type of work likely to occur in 2018.	H
G. ENFORCEMENT			
G1. Enforcement reporting/discussions	a) Mobile app enforcement tool (eFIN) – Staff overview of, and discussion with the council about, the eFIN tool being developed for law enforcement partners with support from CINMS and the California Marine Sanctuary Foundation. b) Continued reports on enforcement activities from the Technical Advisory Committee on Channel Islands, and updates on the council-supported Chairs letter to the NOAA Administrator about improving enforcement in sanctuaries. c) Information exchange and discussion with NOAA West Coast General Counsel for Enforcement Section (Paul Ortiz)	a) Council received a presentation about eFINs (March 2017), as well as a new mobile radar system being piloted. b) Chair Dianne Black helped a cross-council task group to write a letter about NMSA enforcement priorities, which the CINMS council approved of in Nov 2016. Staff reported on how the letter was also approved by nearly all of the other advisory councils, and awaits delivery once a new NOAA Administrator is appointed. Also, USCG provided periodic reports on enforcement and emergency response activities within and adjacent to the sanctuary. c) NOAA General Counsel attorney Paul Ortiz was invited to 2 SAC meetings, but was unable to attend.	H-
H. MARINE DEBRIS			
H1. Lobster Trap project	a) Council to receive report-out on lobster trap loss project, which is focused on learning from veteran fishermen techniques used to reduce accidental loss of traps. To include video product. Council discussion/advice on future directions. b) Council members expected to be invited to island shoreline debris cleanup event.	a) Council received periodic reports on the lobster trap project, engaged in some discussion, and watched the final video product. b) Council members were invited to islands shoreline cleanup event, with a few attending.	
I. NON-NATIVE SPECIES			
I1. Undaria and Sargassum	a) Council to invite those knowledgeable about a recent sighting of the non-native kelp <i>Undaria pinnatifida</i> (wakame) within the sanctuary and park (Anacapa Is.), and possibly others with relevant expertise, to explain what is known, share ideas/plans for further investigation/action. Council to provide input to CINMS on moving forward. Include leaning about sargassum too. (John U)	a) Council heard from David Kushner (Channel Islands National Park) and Lindsay Marks (UCSB) to learn from their experiences with invasive algae at the Channel Islands. Council discussion and consideration of directions, possibilities and next steps.	H+

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	b) Education and outreach ideas (possible role for the SET). Specifically, explore how to send information to all boaters via registration mail-outs (talk to the State, others). (Russel G) c) Explore the possibility of a rapid response plan for addressing new invasive species. (Ben P)	b) SET considered getting involved with this issue, but this particular idea was not taken up by the SET or the council c) This was partially informed by the presentation from Lindsay Marks. Also, Roxanne Diaz (UCSB) presented to the council her draft work assessing management responses in other areas, and management options to consider for the Channel Islands; this will come to the council in 2018 as a draft recommendation report for review/possible adoption.	
<u>J. SANCTUARY MANAGEMENT PLAN</u>			
J1. Progress report	a) Receive staff presentation on progress made implementing the current CINMS management plan. b) Present new ONMS Strategic Plan to the council (as it relates to and informs development of CINMS management plan) (Dianne Black)	a) This was not scheduled for council presentation in 2017, but will take place in the first half of 2018 (likely May). b) The ONMS strategic plan was shared with all council members, but a presentation on it was not scheduled for a SAC meeting in 2017.	H+
J2. Process and Pre-scoping discussions	a) Learn about and provide feedback on the planned process for CINMS management plan review/revision, including the advisory council's role, opportunities for the public to contribute, and stakeholder group identification/outreach. b) Discuss views and perspectives on the scope of the next CINMS management plan review (prior to entering the public scoping period). c) In preparation for considering future education priorities, council to learn about key education programs (LIMPETS, MERITO Academy, BWET, citizen science/CINC). d) Consider council members sharing information about the broader collection of marine education programs. Understand who is doing what, how to supplement/collaborate/fill gaps.	Item c) suggested by council members Cliff Rodrigues and Ben Pitterle. Item d) suggested by council member Luhui Isha Ward.	H+
<u>K. ADDITIONAL TOPICS / ACTIVITIES SUGGESTED BY COUNCIL MEMBERS</u>			
K1. Chumash Education & Outreach	SAC Chumash Community Working Group to: a) Review all CINMS interpretive and educational materials that relate to Chumash heritage (e.g., Channel Islands Naturalist Corps training, other docent training, signage, printed materials, web content, classroom materials, island concessions tour information, etc.); b) Report back to SAC regarding current state of CINMS Chumash interpretive and educational materials; c) Present recommendations to SAC regarding Chumash representation and	a)-d) Originally submitted by council member Luhui Isha Ward, and flagged by her as one of the top two among items K1-K9. This topic was not further advanced in 2017 through discussions of the Chumash Community Working Group, and thus not proposed for advisory council discussion.	H+

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	development of interpretive and educational materials; and d) Present Chumash heritage education that is done by Chumash educators and Chumash-led organizations.		
K2. Chumash cultural components of sanctuary programs	Chumash Community Working Group, working with staff, to help shape and update the Chumash cultural components of Sanctuary programs.	<i>Originally submitted by council member Luhui Isha Ward. This topic was not further advanced in 2017 through discussions of the Chumash Community Working Group, and not proposed for advisory council discussion.</i>	
K3. Tribal MPA education kit	Council to review this Tribal MPA educational product, which includes a map, DVD and booklet intended to help youth understand historical areas and connections, and current protected areas.	<i>Originally submitted by council member Luhui Isha Ward. This topic was not further advanced in 2017 through discussions of the Chumash Community Working Group, and not proposed for advisory council discussion.</i>	
K4. Chumash demonstration village & educational facility	Investigate concept of a Chumash Demonstration Village and Education facility for Chumash cultural use and public cultural and ocean stewardship education.	<i>Originally submitted by council member Luhui Isha Ward. This topic was not further advanced in 2017 through discussions of the Chumash Community Working Group, and not proposed for advisory council discussion.</i>	
K5. California Coastal Native Nations and consultation	Council to be provided a brief presentation explaining unique status of California Coastal Native Nations and consultation requirements/recommendations as known public stakeholders, culturally affiliated tribal communities, and lineal descendants.	<i>Originally submitted by council member Luhui Isha Ward, and flagged by her as one of the top two among items K1-K9. This topic was not further advanced in 2017 through discussions of the Chumash Community Working Group, and thus not proposed for advisory council discussion.</i>	H
K6. Tribal Cultural Landscapes	SAC Chumash Community Working Group to identify potential Tribal Cultural Landscapes (Swaxil, tomol route, etc.).	<i>Originally submitted by council member Luhui Isha Ward. This topic was not further advanced in 2017 through discussions of the Chumash Community Working Group, and thus not proposed for advisory council discussion.</i>	
K7. Scorpion Pier	Scorpion Pier Replacement: discuss cultural impacts and potential for increased visitation and concessions on the island. [Luhui: wants to help all interested lineal descendants from the islands learn and have input]	<i>Originally submitted by council member Luhui Isha Ward. This topic was not further advanced in 2017 through discussions of the Chumash Community Working Group, and thus not proposed for advisory council discussion.</i>	
K8. Endangered species recovery	Chumash consultation/involvement in recovery programs for culturally significant endangered species in CINMS.	<i>Originally submitted by council member Luhui Isha Ward. This topic was not further advanced in 2017 through discussions of the Chumash Community Working Group, and thus not proposed for advisory council discussion.</i>	
K9. Proposed Chumash Heritage NMS	Explore Tribal co-management in National Marine Sanctuaries with the Chumash Community Working Group based on research done in other sanctuaries with Direct Descendants and as it pertains to the Chumash Heritage National Marine Sanctuary proposal.	<i>Originally submitted by council member Luhui Isha Ward. This topic was not further advanced in 2017 through discussions of the Chumash Community Working Group, and thus not proposed for advisory council discussion.</i>	
K11. Unmanned aircraft for research	Use of unmanned aerial systems (drones) for research within the sanctuary and marine portion of the park.	<i>This topic did not make it onto a SAC or Working Group agenda in 2017.</i>	H-
K12. Whale tagging	Presentation on satellite-tagged large whales (blue, fine, beaked).	<i>This topic did not make it onto a SAC or Working Group</i>	H+

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		<i>agenda in 2017.</i>	
K13. Sea Level Rise and Changing Climate	Expert presentation on modeling of sea level rise. What are the implications for sanctuary and park resources (natural and cultural)? Learn about vulnerability assessment for habitats and discuss adaptation strategies.	<i>An expert on this topic was invited to present to the council in 2017, but relevant new modeling data for the Channel Islands area did not become available until later in the year; the council will receive this presentation in January 2018.</i>	H
K14. Wind Energy	Wind energy presentations from industry, science and military.	<i>This topic did not make it onto a SAC or Working Group agenda in 2017.</i>	
K15. Decommissioning of oil and gas facilities	Invite BOEM to provide a presentation on this topic.	<i>This topic did not make it onto a SAC or Working Group agenda in 2017, but the County of Santa Barbara (Errin Briggs) provided brief updates on a state waters rig decommissioning process underway, which council members expressed interest in.</i>	
K16. Aquaculture	Learn about marine aquaculture development (trends, new developments, etc.).	<i>This topic did not make it onto a SAC or Working Group agenda in 2017.</i>	

ADDITIONAL NOTES: Topics and activities not listed above that came up throughout the course of 2017 and took some of the council's agenda time included:

- Council learning, discussion and approved comment letter on Presidential Executive Order 13795 (Implementing an America-First Offshore Energy Strategy)
- An overview of marine data buoys in our area, and a status update on the Goleta Point data buoy that the council had written a letter about in 2016.
- Learning about the discovery of the U.S. Coast Guard Cutter *McCulloch* near Point Conception.
- Live broadcast interaction with Exploration Vessel *Nautilus* during its mission within CINMS.
- An special in-depth panel session on white shark sightings, interactions, and studies in local waters.
- A presentation in Nov. 2017 by R. Cotton Rockwood on a new study/published paper concerning the extent of ship strikes on whales off California.
- Informational presentation on a new, low cost alternative data buoy system (Spotter system).
- Profile on guided kayaking and snorkeling services being offered to sanctuary visitors out of Scorpion Anchorage.
- Mentored UCSB ocean and coastal policy graduate students, helping them learn about the advisory council process.