



Channel Islands National Marine Sanctuary Sanctuary Superintendent's Report



Volume 8, Number 1

A report for the Sanctuary Advisory Council

March 2010

ABOUT THIS REPORT

The Sanctuary Superintendent's Report highlights recent accomplishments and activities from program areas at the Channel Islands National Marine Sanctuary (CINMS). Provided to the Sanctuary Advisory Council in March, July, and November, the report is also available to the public online at channelislands.noaa.gov.

ITEMS OF SPECIAL NOTE

Sanctuary Seeks Advisory Council Applicants

CINMS is seeking applicants for eleven seats on the sanctuary advisory council, which ensures public participation in sanctuary management and provides advice to the sanctuary superintendent. The open positions are: Tourism alternate, Recreational Fishing member and alternate, Commercial Fishing alternate, Business alternate, Education member and alternate, Public at Large alternates (2), and Chumash Community member and alternate. Terms are two years, and current members may reapply. Applications are due April 23, 2010. Application kits can be downloaded from channelislands.noaa.gov/sac/main.html. For further information contact Michael Murray michael.murray@noaa.gov or 805-884-1464.

Channel Islands National Marine Sanctuary and University of California, Santa Barbara (UCSB) Celebrate Groundbreaking for New Ocean Science Education Building

On January 11th, 2010, NOAA Administrator and Undersecretary for Oceans and Atmosphere, Dr. Jane Lubchenco and Congresswoman Lois Capps (Representative 23rd District, California) joined UCSB officials, including Chancellor Henry T. Yang, in a groundbreaking ceremony for the new Ocean Science Education Building (OSEB) on the campus of UCSB. One hundred and fifty guests including local environmental leaders, Santa Barbara school board representatives, agency officials and members of the Sanctuary Advisory Council attended the event. Dan Basta, Ted Lillestolen, Matt Stout, Bill Douros and Allen Tom represented the ONMS Executive Leadership Team. Prior to the ceremony, twenty students and their teacher from Cesar Chavez Charter School in Santa Barbara shared posters with essays, poetry and artwork on ocean related topics with NOAA and UCSB officials, and other

ABOUT THE SANCTUARY

Designated in 1980, the Channel Islands National Marine Sanctuary (CINMS or sanctuary) consists of an area off the coast of California of approximately 1,470 square miles adjacent to the following islands and offshore rocks: San Miguel Island, Santa Cruz Island, Santa Rosa Anacapa Island, Island, Santa Barbara Island, Richardson Rock, and Castle Rock, extending seaward to a distance of approximately six nautical miles. The islands vary in distance from 12 to 40 nautical miles offshore from Santa Barbara and Ventura counties in southern California. A fertile combination of warm and cool currents in this area results in a great variety of plants and animals including kelp forests, fish, invertebrates, marine mammals and sea birds. The sanctuary also contains a wealth of maritime heritage resources including Chumash Native American artifacts and over 100 historic shipwrecks. Human uses in the area include commercial and recreational fishing, marine wildlife viewing, boating, diving, kayaking, maritime shipping, nearby offshore oil and gas development, research and monitoring, and numerous educational activities. Sanctuary staff coordinate research, monitoring, education, outreach, emergency response, and community involvement programs, as well as the enforcement of regulations, to promote long term resource protection and compatible human use within the CINMS.

attendees. The students are participating in the sanctuary's Multicultural Education for Resource Issues Threatening Oceans (MERITO) Academy.

OSEB will house the headquarters offices of the sanctuary and a new state-of-the-art Outreach Center for Teaching Ocean Science (OCTOS). The 15,000 square foot facility is a collaboration between the UCSB Marine Science Institute and the Sanctuary. CINMS offices will provide 7,500-square feet of administrative office and meeting space to house 24 NOAA staff members who currently work at the sanctuary's offices in downtown Santa Barbara and at the Santa Barbara Harbor. The sanctuary also has offices at Channel Islands Harbor in Oxnard, California, which will remain open, and will also maintain a presence at the Santa Barbara Harbor. OCTOS will be supported by both the sanctuary and UC Santa Barbara's Marine Science Institute, and will engage students of all ages and their teachers in compelling, hands-on, standards-based educational programming on ocean science topics. It will provide interactive educational activities including live aquaria, wet labs, a virtual kelp forest dive, and an immersive theater and is expected to reach 40,000 students per year. Designed by San Francisco-based EHDD Architecture, the Ocean Science Education Building will be built to the Gold Certification standards of Leadership in Energy and Environmental Design. It will be located adjacent to UCSB's Marine Science Institute. The area was historically a Chumash village. A Chumash blessing was held prior to the actual groundbreaking. The first phase of construction (sanctuary offices and the shell of OCTOS) is expected to start in spring 2010 and be completed in 2011.

Dr. Lubchenco Visits Staff and Constituents of Channel Islands National Marine Sanctuary

On January 11, NOAA Administrator Dr. Jane Lubchenco held several productive meetings with constituents and staff of the Channel Islands National Marine Sanctuary. Following a groundbreaking ceremony for construction of the Ocean Sciences Education Building, a UCSB/CINMS joint venture, Dr. Lubchenco met with the CINMS staff at their Santa Barbara Harbor office. CINMS Resource Protection Coordinator Sean Hastings provided her with a briefing on the status of the Channel Islands Marine Protected Area network, and introduced her to the sanctuary's work on whale ship strikes. Chris Yates from NOAA Fisheries' Office of Protected Resources also discussed the work his office is doing on the ship strike issue. CINMS Research Coordinator Steve Katz explained how marine spatial planning might be addressed through a UCSB-proposed UCSB/sanctuary cooperative institute. CINMS Team Lead for Education and Outreach, Julie Bursek, with MERITO Program Coordinator Rocio Lozano-Knowlton, described the sanctuary's successful program on MERITO. Dr. Lubchenco also met separately with Linda Krop, Chair of the Sanctuary Advisory Council's Conservation Working Group, to discuss the work of the Council, reauthorization of the National Marine Sanctuaries Act, and CINMS funding. Dr. Lubchenco also made time to visit with local fishermen at the Santa Barbara Harbor. Bruce Steele, commercial urchin fisherman and Sanctuary Advisory Council member, provided a harbor tour, explaining the various fisheries and also discussing concerns about ocean acidification. Capt. David Bacon, a local charter fishing operator and Sanctuary Advisory Council member, discussed several issues of concern to recreational fishermen, including the impacts of marine protected areas, and an interest in artificial reefs to mitigate MPA effects. To cap off a very busy day, Dr. Lubchenco was the honored guest at a 90-person evening constituent reception held at the Ty Warner Sea Center and hosted by the Santa Barbara Museum of Natural History and the National Marine Sanctuary Foundation. At the event, Dr. Lubchenco visited with a wide variety of agency partners, business representatives, fishermen, sanctuary volunteers, conservation community members, local elected officials, and members of the Sanctuary Advisory Council. Sanctuary staff enjoyed hosting Dr. Lubchenco and very much appreciated her genuine interest in connecting with so many members of our sanctuary community.

EDUCATION, OUTREACH, AND VOLUNTEERS

Channel Islands National Marine Sanctuary Participates in Ty Warner Sea Center Marine Science Career Day

On Saturday, January 16, 2010 Channel Islands National Marine Sanctuary participated in the Ty Warner Marine Science Career Day. The event provided local college students and aspiring marine scientists the opportunity to meet marine resource managers, biologists, oceanographers, divers, scientific illustrators, and a variety of other professionals who have dedicated their lives to protecting and exploring the mysteries of the ocean. Over 500 visitors participated in hands-on science activities and learned about volunteer opportunities and research related to the Santa Barbara Channel, including volunteer and internship positions with the Channel Islands National Marine Sanctuary and National Park.

CINMS participates in NOAA Climate Stewards Education Program

On January 25, Julie Bursek, CINMS Team Leader for Education and Outreach, participated in the first meeting of a new NOAA Office of Education training initiative called the "Climate Stewards Education Program" (CSEP). Bursek was invited to join the initial piloting of this program, which will be a national program managed by NOAA to provide educators with sustained professional development, collaborative tools, and support to build a climate-literate public that is actively engaged in climate stewardship activities. Thirty educators were accepted into the pilot program. The goals of the program are to increase content knowledge in climate and related sciences, increase the ability to identify and use scientifically credible resources and processes, increase participation in active environmental stewardship, and create an education model that can be expanded to reach a much larger audience. The program includes 15 hours of professional developmental training in climate science, and educational application training in the winter of 2010. Participants will develop an action plan that may include service learning, classroom projects, community projects, or classroom curriculum infusion.

CINMS MERITO Academy Students Monitor and Explore Coastal Habitats

On January 12, thirty 5th grade under-served and minority students from McKinna Elementary School in Oxnard, California monitored the sandy beach and rocky intertidal zones of County Line beach near Malibu. The trip was a planned "meaningful field experience", which is an important part of the CINMS's MERITO Academy program. The field trip reinforces concepts that students learn in the classroom prior to the trip about tides, sandy beach habitats, marine invertebrates and the meaning of scientific monitoring. These concepts are contained in the MERITO Academy curriculum and provided by their teachers. In addition, prior to the field trip students were instructed on LiMPETS (Long Term Monitoring and Experiential Training for Students) protocols by MERITO Coordinator Rocio Lozano-Knowlton. The MERITO Academy is a marine education and conservation program partly funded by a NOAA B-WET grant, the Amgen Foundation and the Santa Barbara Channel Swimming Association.

CINMS MERITO Program Introduces Lesson Plans on Climate Change and Marine Debris to Science Teachers

On January 20, Rocio Lozano-Knowlton, Channel Islands National Marine Sanctuary (CINMS) Multicultural Education for Resource Issues Threatening Oceans (MERITO) Program Coordinator, conducted a training session on the use of climate change and marine debris lesson plans to twenty teachers from Santa Barbara and Ventura counties. The teachers are currently enrolled in the South Coast Science Project at the University of California, Santa Barbara. The South Coast Science Project, part of the California Science Project, was established to give teachers an opportunity to expand their skills in the teaching of science. The lesson plans presented are part of the regional MERITO Academy curriculum module entitled "Everything is Connected", which focuses on ocean threats such as over-fishing and habitat

loss. The module was produced as a joint project between the MERITO Programs at CINMS and Monterey Bay National Marine Sanctuary, and sponsored by Ernest Hollings Grant in 2009.

Channel Islands National Marine Sanctuary presents LiMPETS to 90 Students from Ventura Elementary School

On January 29, Julie Bursek, Team Leader for Education and Outreach, provided an overview of LiMPETS monitoring techniques to ninety 6th grade students at Sheridan Way elementary school in Ventura, California. These students are participants in the NOAA BWET-funded Channel Islands Live! program and will be heading out to Anacapa Island as citizen scientists. The students will assess the abundance and distribution of rocky intertidal organisms using three established monitoring protocols: 1) random quadrat assessments, 2) total counts of seastars and anemones in a permanent area, and 3) size frequency measurements of *Lottia gigantea* (Owl Limpet) in a permanent area. Bursek discussed the importance of monitoring to understand overall changes in the environment by highlighting key indicator species and potential natural or anthropogenic disturbances that may affect their populations. LiMPETS was developed by the Office of National Marine Sanctuaries in partnership with University of California Santa Cruz, University of California Santa Barbara's Marine Science Institute, and the Farallones Marine Sanctuary Association. The program provides authentic, hands-on classroom and coastal field monitoring experiences that connect teachers, students, and the community to the ocean. For more information about LiMPETS visit <http://limpetsmonitoring.org>. *Channel Islands Live!* provides students with the opportunity to explore one of the most diverse marine environments in the world through an integrated learning experience that is supported by standards-based, interactive curriculum, active participation in monitoring and gathering data on the local environment, and live interaction with researchers working in and around Channel Islands National Park and National Marine Sanctuary. Visit <http://chil.vcoe.org/education.htm>.

New Partnerships and Opportunities Open Up for MERITO Academy Educators

On February 6, the MERITO program at the Channel Islands National Marine Sanctuary brought together approximately 50 participants to an annual MERITO Academy Educator's Follow-Up Workshop. At the workshop, held at Canalino Elementary in Carpinteria, were 26 participating educators, educator's aides, partner agency staff, guest speakers, viewers, volunteers from the Channel Islands Naturalist Corps, and trainees. Guest speakers included Anne Stephans and Carolyn Kolstad from the California Department of Education and US Fish and Wildlife Service, respectively, presenting on a new "School Habitat Program." The program is now being offered to MERITO Academy educators who apply for support from this \$8K project and implement MERITO Academy curriculum in their classrooms. Also presenting at the workshop was Dr. Art Fisher from the Santa Barbara County Office of Education (SBCOE). Dr. Fisher presented opportunities for Service Learning to participating teachers that are implementing MERITO Academy curriculum, and he offered a number of small STEM grants from SBCOE for up to five teachers willing to test and pilot the new MERITO Academy lesson plans. The workshop also featured education consultant Andrea Mills and MERITO Program Coordinator Rocio Lozano-Knowlton offering participants training on the use of MERITO's standards-aligned curriculum. In addition, Julie Bursek, Team Lead for Education and Outreach at CINMS, trained the educators and a number of volunteer naturalists on the implementation of sandy beach and rocky intertidal monitoring protocols used in the MERITO Academy field trips.

New Lesson Plans on Ocean Acidification and Phenology for MERITO Academy Program

On February 6 at an annual Multicultural Education for Resource Issues Threatening Oceans (MERITO) Academy Workshop, educators were introduced to newly-developed lesson plans on ocean acidification and phenology (the study of periodic plant and animal life cycle events and how these are influenced by variations in climate). The lesson plans, geared for 4th-7th grade levels and English Language Learners,

provide current data, facts and background information from NOAA and other agencies about ocean acidification, and create an opportunity for participants to provide data and learn about bird and plant phenology through “Project Bud Burst” (http://www.windows.ucar.edu/citizen_science/budburst/). Through a contract with the National Marine Sanctuary Foundation, the new lessons were adapted and created for the MERITO Academy and the Ventura County office of the US Fish and Wildlife Service by Maria Petueli of “Teach at the Beach” (<http://www.teachatthebeach.org/index.php>). The lesson plans will be tested between February and May 2010 by eight MERITO Academy teachers and after school program leaders who will be receiving stipends for their work. The lesson plan development is sponsored by the US Fish and Wildlife Service.

MERITO Academy Kicks Off Field Trip Season

Two hundred and twenty fourth and 5th grade level students enrolled in the CINMS MERITO program experienced their first field trip of the season from February 10-23. The students were led by CINMS MERITO Program Coordinator Rocío Lozano-Knowlton, partner agency staff, volunteers with the Channel Islands Naturalist Corps, and interns. The trips focused on “Watershed Connections to Oceans” and took place at Ormond Beach wetlands for Ventura County schools, and at Sycamore Creek for Santa Barbara County schools. Students visited a wastewater treatment plant, tested the quality of the water of a local creek, identified birds and participated in a native plant restoration projects sponsored by the City of Oxnard and Santa Barbara City Creeks Division. Schools involved included Laguna Vista Elementary, Cesar Chavez Charter School, EARTHS (Environmental Academy of Research Technology and Earth Science) Magnet School, Rio del Norte Elementary, and Montalvo Elementary. Partner agency staff are with The Nature Conservancy, Santa Barbara City Creeks Division, City of Oxnard Public Works Department, City Corps, and the Ormond Pointe Restoration Nursery.

This season 900 students will receive field experiences that reinforce Earth and ocean science concepts learned in their classrooms or at after-school programs, as taught by educators trained in implementing MERITO curriculum by CINMS and MERITO Academy staff.

Channel Islands Argonauts’ Student Poster Projects get Better Every Year!

On February 25, twenty-three 4th-7th grade students from Ventura County presented marine science and environmental poster projects to their peers, families and education officials at the Ventura County Office of Education. As Channel Islands Argonauts, the students were previously selected, based on essays and leadership profiles, to be ambassadors of the coastal environments of the Channel Islands and Santa Barbara Channel. The students’ oral presentations were remarkable, eloquently spoken, and noticeably improved relative to previous years. Themes presented were well developed, addressing environmental issues of local, national or international relevance such as climate change, ocean acidification, ship strikes on whales, unsustainable fishing and urban runoff, among others. At some of the schools participating in the CINMS MERITO Academy program, becoming an Argonaut has become a tradition, and lower grade level students actually look forward to the application process. The students will next present their posters and share their knowledge with the general public during an Earth Day festival in Oxnard on April 10. The Channel Islands Argonauts are a NOAA B-WET funded project and part of “Channel Islands Live!,” a partnership of the Channel Islands National Park and Ventura County Office of Education offered to CINMS MERITO Academy students.

Sanctuary Educator and Advisory Council Member to Participate in West Coast Regional Ocean Acidification Task Force

CINMS Education Coordinator Laura Francis and Sanctuary Advisory Council member Linda Krop have both been selected to participate in a West Coast Region Ocean Acidification task force. The task force was put together by the West Coast Regional Office of National Marine Sanctuaries in response to an ocean

acidification report and supporting resolutions submitted last year from all five west coast sanctuary advisory councils. The initial charge of the ocean acidification task force will be to consider the advisory council resolutions and recommend actions to be taken relating to coordination of efforts regarding monitoring, potential management adaptation, and education/outreach initiatives. The task force will help identify various means to help monitor, study, adapt and reach out to the public on ocean acidification on the west coast. Membership of the ocean acidification task force consists of one representative from each west coast sanctuary office, including one Superintendent, one Research Coordinator, one Education Coordinator, and one Resource Protection Coordinator as well as one of the west coast sanctuary advisory councils. The group will participate in monthly conference calls over the next 6-8 months, and will have one face-to-face meeting in early April.

RESEARCH AND MONITORING

Channel Island National Marine Sanctuary Research Department participates in CAMEO Workshop at NMFS Northwest Fisheries Science Center

From January 27-29, Dr. Stephen Katz, CINMS Research Coordinator, participated as a Co-Principal Investigator in a workshop held at NOAA's Northwest Fisheries Science Center (NWFS) in Seattle, Washington. The workshop was titled: *New statistical tools for analyzing community dynamics with applications to marine zooplankton*. The objectives of the project are to extend current multivariate statistical analysis to evaluate multi-species community and environmental monitoring data to reveal the interactions among community components and estimate quantitative measures of ecosystem health – such as community stability and resilience. The project will also produce a free-ware package in the open-source R programming language to perform multivariate autoregressive analysis incorporating state-space models, spatial replication and complex (i.e. real-world) experimental designs. The project will focus on pelagic ecosystem data from the California Current Large Marine Ecosystem as a model system, but is already developing analyses for other systems including the CINMS marine protected area network, the Chesapeake Bay, the English Channel and Lake Baikal in Siberia. The workshop was a component of a collaborative project between the National Marine Fisheries Service, CINMS and the National Center for Ecological Analysis and Synthesis. Other principal investigators include Drs Elizabeth Holmes and Mark Scheuerell from NWFS, and Dr. Stephanie Hampton from NCEAS. The project is funded by the joint NOAA-NSF program CAMEO – the Comparative Analysis of Marine Ecosystem Organization (cameo.noaa.gov). The project supported the attendance of eight post-doctoral fellows and graduate students, who along with the principal investigators will form a working group on this project for the next two years.

Channel Island National Marine Sanctuary research department supports joint NOAA/NSF CAMEO funding program grant reviews

From February 7-12, CINMS Research Coordinator Steve Katz participated in a grant review panel for CAMEO in Silver Spring, MD. CAMEO -- the Comparative Analysis of Marine Ecosystem Organization – is a program implemented as a partnership between the National Marine Fisheries Service and the National Science Foundation's Division of Ocean Sciences. The program supports fundamental research to understand complex dynamics controlling ecosystem structure, productivity, behavior, resilience, and population connectivity, as well as effects of climate variability and anthropogenic pressures on living marine resources and critical habitats. CAMEO supports programs that have multiple approaches, such as ecosystem models and comparative analyses of managed and unmanaged areas (e.g., marine protected areas) that can ultimately form a basis for forecasting and decision support. Dr. Katz joined a panel of 14 academic and government scientists to review the proposals for CAMEO's third year of project funding, the results of which will be announced this spring.

Channel Islands National Marine Sanctuary Research Department presents at 2010 Ocean Sciences Meeting

From February 22-26, CINMS Research Coordinator Steve Katz attended the 2010 Ocean Sciences Meeting in Portland, OR. The Ocean Sciences Meeting is a joint meeting of the American Society of Limnology and Oceanography (ASLO) and American Geophysical Union (AGU). The Ocean Sciences meeting is one of the largest and most significant meetings of the year with over 3,800 presentations in the form of talks and posters. CINMS was well represented with 11 posters and 4 talks given by staff or by partners supported in part by the CINMS research department. Dr. Katz gave a talk on informatics and data synthesis as a tool to improve the policy relevance of research as part of a session on Marine Policy entitled: Coastal Ocean Science Solutions: Research Leading to Management Tools and the Development of Ocean Policy. Also noteworthy were four posters and one talk that were based whole or in part on UCSB's Plumes and Blooms water quality monitoring and satellite imaging program, which CINMS supported with 10 days at sea aboard R/V *Shearwater*. In addition, one poster and one talk were presented on larval connectivity across islands, supported with resources from NOAA's West Coast Observing program.

Channel Islands National Marine Sanctuary Participates in Deep Sea Coral Research Workshop

Dani Lipski, CINMS Research Specialist, helped to organize and attended a workshop in Portland, Oregon on January 20-21 to identify priorities for deep sea coral research on the west coast. Approximately 40 people attended, representing the Office of National Marine Sanctuaries, National Marine Fisheries Service, Coral Reef Conservation Program, tribes, states, non-profit organizations, and universities. The participants identified and ranked priorities, and developed possible methods for addressing the priorities. This information will be used to develop a plan for deep sea coral research on the west coast in 2011-2012.

RESOURCE PROTECTION

Twin Otter Aircraft Highlighted as a Platform Supporting "One NOAA" Missions

The west coast regional NOAA Twin Otter aircraft was in the Channel Islands region on January 28 participating in a multi-mission demonstration flight. Observers on board included staff from the Channel Islands National Marine Sanctuary, NOAA Office of Law Enforcement, and National Weather Service, along with NOAA Aircraft Operations Center commanding officer CAPT Brad Kearse and chief of operations, CAPT Harris Halverson. The demonstration flight highlighted the regional multi-mission model that can support various NOAA Line Offices in research, monitoring, and enforcement. The aircraft supported several missions, including the long term Sanctuary Aerial Monitoring and Spatial Analysis Program (SAMSAP) and surveillance of marine protected areas. Opportunities were discussed for potential future multi-mission flights, including the collection of meteorological data as well as in-situ pilot reports to verify marine forecasts with real-time conditions in the forecast area. Further discussion with CAPT Kearse and CAPT Halverson focused on the value of and needs for future collaborative opportunities within a west coast multi-mission framework.

NOAA Twin Otter Conducts Multi-Mission Flights at Channel Islands National Marine Sanctuary

The NOAA Twin Otter aircraft conducted aerial operations in the Channel Islands region on February 8 and February 11. The Channel Islands aerial team conducted Sanctuary Aerial Monitoring and Spatial Analysis (SAMSAP) surveys of the Channel Islands and spotted gray whales, which typically migrate through the area during the winter season. The team also tested transects south of the Santa Barbara Channel, covering a region that has experienced an increase in commercial shipping traffic in response to a recently implemented air quality control measure. The area is of concern because it is outside of the approved International Maritime Organization traffic scheme and relatively less is known about cetacean distributions and densities. The team will be refining the transect and plans to conduct future missions.

Sanctuary Staff

Santa Barbara Offices

Christopher Mobley *Superintendent*
Todd Jacobs *Deputy Superintendent for
Administration and Operations*
Michael Murray *Deputy Superintendent for Programs*

Amy Cale – *Web and Kiosk Developer*
LTJG Matt Davis – *Operations Officer*
Laura Francis – *Education Coordinator*
Sean Hastings – *Resource Protection Coordinator*
Dr. Steven Katz – *Research Coordinator*
Charles Lara – *Vessel Captain*
Dani Lipski – *Research Specialist*
Robert Schwemmer – *Regional Maritime Heritage Coordinator*
Natalie Senyk – *Physical Scientist*
Terrence Shinn – *Vessel Captain*
Ben Waltenberger – *Physical Scientist*
Rebecca Young – *Program Support Specialist*

Ventura County Field Office

Julie Bursek – *Team Leader for Education and Outreach*
Shauna Bingham – *Volunteer Program & Outreach Coordinator*
Lorri Herr – *Program Support Specialist*
Tina Johnson – *Administrative Support Coordinator*
Rocío Lozano de Knowlton – *MERITO Program Coordinator*

CINMS Interns

Kristin Bor – *Resource Protection Intern*

ONMS West Coast Region Staff

William Douros – *Regional Director*
Matt Brookhart – *Policy Coordinator*
Nicole Capps – *Management Support Specialist*
Dave Lott – *Operations Coordinator*

Local ONMS Staff

Claire Fackler – *West Coast Education Liaison*
Sarah Marquis – *West Coast Media Coordinator*
Matt Pickett – *ONMS Aviation Coordinator*

Learn More About Your Sanctuary

The Channel Islands National Marine Sanctuary produces the Sanctuary Superintendent's Report in conjunction with every other bi-monthly Sanctuary Advisory Council meeting. To learn more about the sanctuary please visit our web site at: <http://channelislands.noaa.gov>.

To learn more about the Sanctuary Advisory Council please visit: <http://channelislands.noaa.gov/sac/main.html>.

Office of National Marine Sanctuaries (ONMS)

The National Marine Sanctuary System consists of 14 marine protected areas that encompass more than 150,000 square miles of marine and Great Lakes waters from Washington State to the Florida Keys, and from Lake Huron to American Samoa. The system includes 13 national marine sanctuaries and the Papahānaumokuākea Marine National Monument. The ONMS, which manages the system, was established under the National Marine Sanctuaries Act of 1972. Visit the ONMS web site at: <http://sanctuaries.noaa.gov/>.

Channel Islands National Park

To learn about Channel Islands National Park visit their web site at: <http://www.nps.gov/chis/homepage.htm>.

GET INVOLVED AND STAY INFORMED!

To learn how to get involved in the sanctuary visit: <http://channelislands.noaa.gov/focus/involved.html>

Sign up for the CINMS listserv to receive email notices about upcoming sanctuary events, and public meetings of the Sanctuary Advisory Council and its working groups: <http://channelislands.noaa.gov/focus/list.html>

- CONTACT INFORMATION -

Channel Islands National Marine Sanctuary

Santa Barbara Office
Santa Barbara Harbor
113 Harbor Way, Suite 150
Santa Barbara, California
93109
Phone: (805) 966-7107
Fax: (805) 568-1582

Oxnard Office
Channel Islands Harbor
3600 S. Harbor Blvd., Suite 111
Oxnard, California
93035
Phone: (805) 382-6149
Fax: (805) 382-9791