



Monterey Bay National Marine Sanctuary

Sanctuary Office Report



Volume 8, Number 1

A REPORT FOR THE SANCTUARY ADVISORY COUNCIL MEMBERS

REPORTING PERIOD: DECEMBER 10, 2010 – JANUARY 21, 2011

ABOUT THE SANCTUARY

Designated in 1992, the Monterey Bay National Marine Sanctuary (MBNMS or Sanctuary) is a federally protected marine area offshore of California's central coast. Stretching from Marin to Cambria, the MBNMS encompasses a shoreline of 276 miles and 6,094 square statute miles of ocean.

Supporting one of the world's most diverse marine ecosystems, it is home to numerous mammals, seabirds, fishes, invertebrates and plants in a remarkably productive coastal environment. The MBNMS was established for the purpose of resource protection, research, education and public use of this national treasure.

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) AND OFFICE OF NATIONAL MARINE SANCTUARIES (ONMS) NEWS

Memorandum of Understanding with the Minister of Culture, Spain

On December 1, NOAA's James Turner joined Spanish Minister of Culture, Ángeles González-Sinde Reig to sign a Memorandum of Understanding between NOAA's Office of National Marine Sanctuaries and Spain on cultural cooperation. This event was the formal culmination of a series of discussions with the Government of Spain to open up Spain's extensive archives for NOAA.

Spain has the oldest and most pervasive heritage and cultural impact of all former colonial powers in the Americas beginning with the 1492 voyage of Cristobal Colon and continuing until 1898 when direct Spanish rule ended in Puerto Rico and Cuba. Spanish explorers' voyages, mapped and documented the Caribbean, Gulf, Atlantic and Pacific shores of America, and many of their archives have remained inaccessible in the vast Archivo General de las Indias in Seville, Spain. Official Spanish government policy in the 15th to 18th century kept most charts, maps, logbooks and journals locked away as state secrets.

Significant information about the oceans, bays, sounds and coastal areas of what

is now the United States, as well as information on the ecology and climate of those areas, as well as the indigenous populations, rests in the Archivo. Detailed information about specific explorers and their activities, as well as shipwrecks, also rests in the linen-tape bound bundles of documents housed there.

The MOU also creates a coordinating committee for research into the archives, and dialogue and cooperation if a Spanish wreck is to be the subject of archaeological work within a sanctuary. The oldest known European shipwreck on the Pacific Coast of the United States, the galleon San Agustin, lost in November 1595 on the California coast with a cargo of porcelain, beeswax and silks, rests within the waters of Gulf of the Farallones NMS and Point Reyes National Seashore. There are currently no plans to study or work on the wreck.

USS *Monitor's* Vibrating Side Lever Engine Undergoing Deconcretion

The USS *Monitor's* steam engine is currently undergoing deconcretion at The Mariners' Museum in Newport News, Va. Over the first several weeks more than two tons of concretion was removed. The work ended in December and will resume in the spring. Visit the museum's blog for more information on the project. In July 2001 NOAA and the US Navy recovered the steam engine from the wreck of the USS *Monitor*. Since then, this unique remnant of our maritime past has been residing in a treatment tank at The Mariners' Museum's *Batten Conservation Laboratory*.

Mechanical processes and chemical treatments have been working to arrest the effects of 139 years on the sea floor. At the beginning of December conservators began removing the thick layers of marine concretion in the next step in the conservation processes for the engine. The hard shell contains high levels of chlorides and corrosive effects of the chlorides are the metal components number one enemy. With it loosened and removed, the treatment processes can now work more directly on the materials of the machinery. Removing the concretion also revealed the details of an engine that hasn't been seen since the American Civil War and it's an impressive thing to see.

The *Monitor's* steam machinery was an innovative and compact design. This style of machinery was unique to John Ericsson and he had been designing and improving them since 1843. Ericsson continued to improve on this design and built and installed several later versions in merchant vessels in the years before the American Civil War. When he was given the contract in September 1862 to build the vessel that became the USS *Monitor*, his plan incorporated the vibrating side lever style engine from the beginning. The compact design allowed it to be mounted low in the ship behind the armored belt that surrounded the ship. Able to deliver 400 horsepower, it was the perfect design for his prototype warship.

National Marine Sanctuary News

Gulf of the Farallones NMS

At the American Cetacean Society Conference in Monterey, staff co-presented a poster with researchers from Golden Gate Cetacean Research on a study of the recent harbor porpoise range expansion from marine sanctuary waters west of the Golden Gate into San Francisco Bay from which they've been absent for over six decades. Population abundance and distribution, habitat use, social behavior, calving intervals, reasons for re-establishment in the bay, and interactions with bottlenose dolphins will be assessed. From land and by boat under a National Marine Fisheries permit, researchers have compiled a catalogue of 125 individuals which will permit tracking them over time. Several low-rainfall winters, combined with freshwater diversion from the Sacramento and San Joaquin rivers away from San Francisco Bay may be affecting the health and biological profile of the estuary ecosystem. Gulf of the Farallones National Marine Sanctuary is a co-collaborator with GGCR and other scientific groups.

Florida Keys NMS

On December 9, FKNMS Education Specialist Todd Hitchins and SE Regional Director Billy Causey hosted a delegation of Senior Managers from the Aqaba Marine Park in Jordan at the Nancy Foster Environmental Center in Key West. The delegation included Jordan's Commissioner of the Environment, Salim M. Al Moghrabi and Larry Belli, former Deputy Superintendent of Everglades National Park. The visit to FKNMS was part of a U.S. Training Tour designed to learn more about how U.S. parks promote awareness, conduct school-based programs in parks, manage Interpretation and Visitor Center programs, manage the carrying capacity of reefs in parks with marine and coral reef resources, carry out monitoring and damage restoration of reefs, maintain inter-agency partnerships, and enforce regulations. Everglades and Biscayne Bay National Parks, John Pennekamp State Park, and Florida Keys National Marine Sanctuary acted as learning sites during the tour. The visitors from Jordan enjoyed a short presentation, open dialogue with SE Regional Director Billy Causey and various program staff, and were able to show a video and discuss their own recently established marine park, which encompasses over 30 pristine dive sites in the Gulf of Aqaba and stretches over seven kilometers (over one-third of the total) shoreline in Jordan. Their park utilizes a system of mooring buoys based on the design of Upper Region Sanctuary Manager John Halas. The visitors capped off their visit of the Nancy Foster Center with a tour of the Florida Keys Eco-Discovery Center.

Papahānaumokuākea Marine National Monument

Hundreds of conservation managers, marine scientists, conservation activists, political leaders and policy makers helped celebrate two globally significant milestones (see item below) for Papahānaumokuākea Marine National Monument at the Hawai'i Convention Center on Dec. 3, 2010. Highlighting the event was the commemoration of Papahānaumokuākea's inscription on the World Heritage List. High-level representatives of the State of Hawai'i, U.S. Department of Commerce, U.S. Department of the Interior, and U.S. State Department joined in an official inscription ceremony to recognize Papahānaumokuākea as a place of universally outstanding natural and cultural features. "The inscription of Papahānaumokuākea reflects U.S. efforts to strengthen our engagement at the United Nations and at UNESCO," said Esther Brimmer, Assistant Secretary of State for International Organization Affairs. "It is also an opportunity to recognize the important role of the World Heritage Convention, which, four decades after its adoption by the General Conference of UNESCO, remains a crucial international instrument for the protection and promotion of cultural and natural heritage."

"It is fitting that our Nation's first inscription in 15 years recognizes a place with such unique cultural and natural heritage," said Tom Strickland, Assistant Secretary of the Interior for Fish and Wildlife and Parks. "The addition of Papahānaumokuākea to the network of World Heritage Sites demonstrates the commitment of the United States and the state of Hawai'i to conserve and protect our important marine sites." In recognizing the designation of Papahānaumokuākea as a World Heritage site, Dr. Larry Robinson, Assistant Secretary of Commerce for Conservation and Management, said, "As one of the crown jewels of the National Marine Sanctuary System, Papahānaumokuākea is a remarkable treasure trove of biodiversity, a sentinel site for helping measure the impacts of global climate change, and as the UNESCO World Heritage Committee acknowledged four months ago, a place that is truly deserving of global recognition for its universally outstanding natural and cultural features."

On July 30, 2010, Papahānaumokuākea was designated as the first mixed UNESCO World Heritage site in the United States. It is the world's first cultural seascape recognized for its continuing connections to living indigenous people.

Stellwagen Bank NMS

Stellwagen Bank sanctuary archaeologists are happy to announce the listing of the eastern rig dragger fishing vessel shipwreck Edna G. to the National Register of Historic Places. Built in 1956 the 54-foot long Edna G. sank in 1988 twenty miles off Gloucester, MA in over 300 feet of water. The Edna G. was listed on the National Register of Historic Places due to its importance as a remarkably intact example of 20th century fishing technology that dramatically changed American utilization of the ocean. A press release is currently being drafted for distribution to the media. For more information on the Edna G. visit: <http://stellwagen.noaa.gov/maritime/ednag.html>



MONTEREY BAY NATIONAL MARINE SANCTUARY NEWS AND PROGRAM UPDATES



MANAGEMENT

Elephant Seal Deterrence Plan Implemented

San Simeon is home to the largest mainland Northern Elephant Seal rookery in the United States. From December to February, males weighing up to 5,000 lbs and females up to 1,200 lbs haul out to establish territory, give birth and mate. Established viewing areas with fencing high up on bluffs serve to educate most of the curious public, but as the seal population grows, they haul out onto public beaches such as WR Hearst Memorial Beach. Easy access to the seals combined with thousands of visitors from around the world unaware of elephant seal behavior make for a dangerous mix. This year, CA State Parks in partnership with the Monterey Bay National Marine Sanctuary and NMFS devised a plan to discourage the establishment of an elephant seal rookery on WR Hearst Memorial Beach while at the same time creating an education and signage plan for the public. The deterrence plan was implemented on January 6th after a pregnant female and bull were discovered on the beach, and volunteers from the Coastal Discovery Center, the Marine Mammal Center and Friends of the Elephant Seal were posted at beach entrances to educate visitors about proper elephant seal viewing distance.



Elephant seals hauled out in San Simeon, CA.

Photo credit: Karen Capps

To date, the deterrence plan has been successful in safely keeping females off of the beach, as well as decreasing the overall amount of sub-adult males on the beach.

RESEARCH AND MONITORING

Report on the 2010 winter wreck of Northern Fulmars now available

In November 2010, the Monterey Bay National Marine Sanctuary's BeachCOMBERS beach survey program documented increased numbers of Northern Fulmars (*Fulmarus glacialis*) washing up dead on beaches in Monterey, Santa Cruz, and San Luis Obispo counties. Fulmars are regular winter migrants in central CA, yet in some years large numbers strand on beaches (called a "wreck"), which occurred in the past winters of 2003, 1995, 1984, 1976, and 1907-1908. On a single day during the first week of December 2010, surveys of 16 beaches in the three counties counted 1,221 beach-cast fulmars. Local rehab centers are noting that rescued fulmars are responding positively to feeding and sodium supplements as blood chemistry panels revealed that incoming fulmars were sodium deficient (hyponatremia) and malnourished. The brief article and the report itself can be found on the SIMoN web site at: <http://sanctuariesimon.org/news>.

SIMoN staff writes letters of recommendation for students involved with sanctuary science

In the past month, several former and current interns, students, and research technicians have requested letters of recommendation from SIMoN staff. Ryan Rezek, a former UCSC undergraduate and an intern working on the invasive Asian kelp *Undaria pinnatifida*, recently completed his MS on *Undaria* while at Scripps and is now applying to PhD programs. Lindsay Marks, a research diver for UC Santa Cruz's Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO), is also applying to PhD programs at UCSB and OSU. And Sarah Traiger, a recent undergraduate intern working on the invasive bryozoan *Watersipora subtorquata* in Monterey Harbor, is applying for an internship to work on Lionfish in the Bahamas. These students have contributed to our scientific understanding of the sanctuary and they continue to pursue careers that link science and resource management.

Discovery Channel's Daily Planet features MPA monitoring in MBNMS

On Tuesday, December 14, Discovery Channel's 'Daily Planet' TV show featured a segment on SCUBA diving efforts to monitor kelp forests in state-designated marine protected areas within Monterey Bay National Marine Sanctuary. Discovery Channel producer Rob Davidson wrote "Good news, the segment aired last month. Even made the list for one of our favorites for the year! Thanks again for all your help-we had a fabulous day. One of the highlights of our month [filming] on the west coast." SIMoN staff, the crew of the R/V FULMAR, and the UC Santa Cruz science divers assisted the production crew capture several hours of footage. All of the excellent underwater footage was filmed by Chad King using video equipment rented by the Discovery Channel. To view the clip, go to: <http://watch.discoverychannel.ca/#clip389874> and slide the status bar to 7 minutes and 30 seconds.

SIMoN staff reviews NERR fellowship proposals

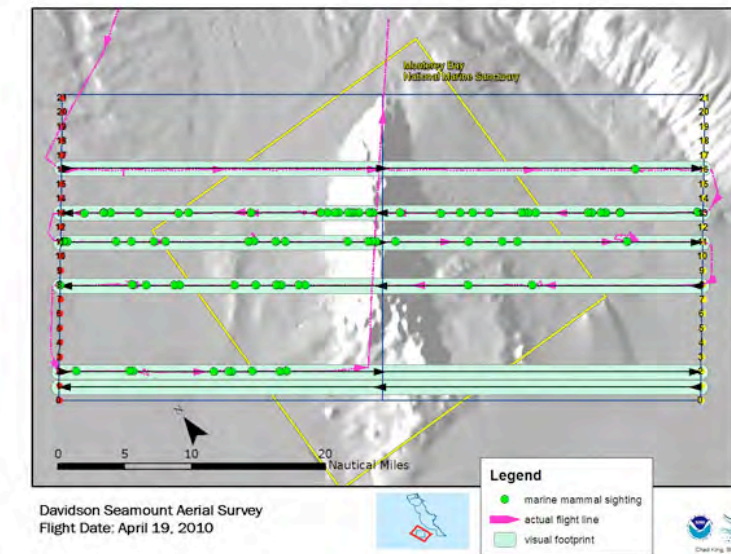
On January 3, SIMoN staff reviewed two NOAA National Estuarine Research Reserve (NERR) Graduate Research Fellowship proposals. The NERR system consists of estuarine areas designated and managed for long-term research, education and stewardship purposes. The fellowship program is designed to support high quality research focused on enhancing coastal zone management while providing graduate students with an opportunity to contribute to the research and/or monitoring program at a particular reserve site. Funds are provided by NOAA to support management-related research projects that will enhance scientific understanding of the reserve ecosystem, provide information needed by reserve management and coastal management decision-makers, and improve public awareness and understanding of estuarine ecosystems and estuarine management issues.

MBNMS annual dive unit inspection completed

On January 11, SIMoN staff completed the annual inspection of MBNMS diving personnel and the dive locker, which is located on the USCG pier. A checklist was developed by Unit Diving Supervisors (UDS) to conduct annual self-inspections and includes: diving status and training of personnel, diving equipment, compressor systems, and support equipment. Supporting documentation was given to Tom Laidig, the UDS for NMFS in Santa Cruz. He then passes this along to the NOAA Diving Center. The annual inspection improves diving safety and serves to document areas of improvement and need.

Marine Mammal Aerial Survey Project Posted on SIMoN Website

In 2010 Monterey Bay National Marine Sanctuary staff and partners conducted two aerial surveys of the surface waters surrounding the Davidson Seamount, an area typically regarded as having a higher abundance and diversity of marine mammals and seabirds than immediately adjacent areas absent of significant bathymetric features. A summary of this project, including a link to a draft technical report of the surveys, are posted on the SIMoN website at



Map of aerial survey flight line and marine mammal sightings over the Davidson Seamount on April 19, 2010.

http://www.sanctuariesimon.org/monterey/sections/marineMammals/project_info.php?projectID=100381.

SIMoN web site continues to have high viewership

The SIMoN web site (<http://sanctuariesimon.org>) has historically had high visitation rates, primarily to the heavily used Photo Library (<http://sanctuariesimon.org/photos/index.php>), which has over 3,300 digital images available for public use. Statistics on visitation are provided on a monthly basis. Here we present the last three months (September, November, and December, respectively) of data: unique visitors were 6,488, 8,591 and 6,997 per month and the number of pages viewed per visitor was, on average, 6-8 pages, with a monthly volume of 77,000 to 90,000 pages. Most visitors either had a .com or .net domain, indicating visits are mainly from service providers used by the public (e.g., Comcast). As the SIMoN team continues to maintain and improve the SIMoN web site, understanding who is viewing the site and where they are spending their time serves to set priorities for future efforts.

RESOURCE PROTECTION

Stakeholders Collaborate at Food Safety & Water Quality Co-Management Forum

On December 8th, the MBNMS and partners of the Farm, Food Safety and Conservation Network hosted the "Food Safety and Water Quality Co-Management Forum" at the Watsonville Civic Plaza. The purpose of the forum was to bring together diverse stakeholders to share information about research, policy, and grower responses to the co-management of food safety concerns, water quality, and conservation priorities. Over 90 people participated, including producers, federal, state, and local resource conservation agencies, environmental organizations, researchers, local government, liability and food safety professionals. The Director of Produce Safety Staff from the Food and Drug Administration participated; linking local experiences and expertise to the federal produce safety rulemaking process. The Forum demonstrated significant advances in collaborative efforts to address conflicting demands between food safety programs and environmental conservation practices. Video and event materials will be available soon, stay tuned!

Students Recommend Greening Pacific Grove

On December 3-5, Monterey Area Research Institutions Network for Education (MARINE) and Center for Ocean Solutions partnered with the sanctuary and City of Pacific Grove on a 3-day graduate level course to address urban runoff in the city. This interdisciplinary course was successful on many levels using the model of the MBNMS and City as "Clients" and the students "Consultants". Using the Sanctuary's stormwater data as well as information provided by local water quality experts, students were tasked with developing one concrete opportunity that the City of Pacific Grove could pursue to mitigate stormwater runoff into Monterey Bay. Presentations were provided to the Clients on Sunday; also in attendance were the Mayor and City Manager of PG, other local Storm Water representatives, and Stanford faculty.

Save the Day-Save the Bay

On December 9th, CSUMB's Service Learning students presented projects done in cooperation with Seaside High students and local non-profits and agencies including the Monterey Bay National Marine Sanctuary. Projects presented included "Save the Day- Save the Bay" on storm drain pollution in Seaside and how to minimize trash, oil and other contaminants from entering storm drains. Other student projects focused on native plant restoration, recycling and alternative transportation. The Save the Day- Save the Bay poster will be installed on school grounds as well as offered to local agencies and non-profits for display.

Student project supports EBM

Staff from the Monterey Bay National Marine Sanctuary provided guidance to three graduate students from the Department of Science and Environmental Policy at California State University Monterey Bay and helped them develop spatial products of temporal commercial fishing regulations. The students developed Google Earth layers, each with succinct categories of species, gear type, location of regulations and live links to current regulations. These products will be useful for managers and stakeholders as we integrate a variety of data and implement Coastal Marine Spatial Planning.

Water Quality Efforts Featured at National Geographic Workshop

On December 15th, Water Quality Protection Program staff presented at a National Geographic workshop for the marine recreation community. This was excellent timing because this audience and topic of sustainable uses in the sanctuary is timely for the MBNMS Ecosystem Based Management Initiative of which sustainable uses is a key component. The presentation highlighted water quality impacts from land based sources and the voluntary approach of the Water Quality Protection Program in working with partners within the coastal watersheds. The Agriculture Water Quality Alliance was highlighted.

Department of Water Resources Recommends \$755,000 to Fund Integrated Watershed Planning

An Integrated Regional Watershed Management planning grant has been recommended for full funding by the CA Dept of Water Resources for just over \$755,000 to the Monterey Bay Sanctuary Foundation as fiscal administrator. This funding will support a one-year MBNMS Water Quality Analyst contract position, website development, contribute toward regional climate change workshops in 2011 (led by MBNMS), and several other partner initiatives. The scope of the proposal includes finishing the Integrated Regional Watershed Management Plan for Monterey County by incorporating regional monitoring and tracking, a website, outreach to disadvantaged communities, conflict resolution, and economic feasibility analysis for future implementation projects.

Water Quality Restoration Projects Highlighted in Integrated Watershed Restoration Program (IWRP) Field Tour

On January 18th, Water Quality Staff participated in a field tour of three restoration projects in Salinas and Big Sur that have been proposed for funding from the CA State Coastal Conservancy through their Integrated Watershed Restoration Program (IWRP) in Monterey County. Of particular interest is a small watershed in the City of Salinas that has significant water quality problems. This project proposes to work with landowners throughout the drainage to implement management practices that will address excessive

nutrients, bacteria, and sediment. A creek restoration will encourage community participation through weeding, planting and water quality monitoring.

Joint Efforts Review Team (JERT) Comment on Data Inventory

On January 19th, Water Quality Staff participated in a conference call with the newly formed Joint Effort Review Team (JERT) coordinated by the Central Coast Regional Water Quality Control Board. This group of individuals was nominated to provide a foundation for watershed characterization and process analysis that will be necessary to develop meaningful and effective hydromodification criteria for cities and counties required to implement a storm water management plan. The first task for this team was to comment on the literature review and data inventory that was compiled by a technical team of consultants.

First Flush Results Presented at the Storm Water Action Group Meeting (SWAG)

On January 20th, Water Quality Staff presented summary findings from the First Flush and Dry Run water quality monitoring events to the Storm Water Action Group (SWAG). This group of Central Coast city, county and NGO representatives meet bi-monthly to develop new regional programs and collaborative projects to improve the water quality of urban runoff.

Citizen Monitoring Communication Strategy and Strategic Plan incorporated into 2010 Surface Water Ambient Monitoring Program

The Surface Water Ambient Monitoring Program (SWAMP) recently released the 2010 update to its Comprehensive Monitoring and Assessment Strategy to protect and restore California's water quality (2010 SWAMP Strategy). It highlights steps that need to be implemented to complete the framework and integrate it into other California Water Board programs and improve coordination with external partners, such as other agencies and non-governmental organizations that monitor surface water throughout the state. The two-year grant project that Sanctuary staff led to develop a Communication Strategy and Strategic Plan for Citizen Monitoring Programs around California was included in many sections of the SWAMP document. The report can be downloaded at the following link:

http://www.waterboards.ca.gov/water_issues/programs/swamp/reports.shtml#plan_docs

ENFORCEMENT

Two Sailboats Run Aground in Monterey

On January 19th, a 26 ft sailboat and an 18 ft sailboat broke free from their moorings in Monterey Harbor, ran aground and beached at the Naval Post Graduate School beach, just east of Del Monte beach. NOAA Enforcement Officer Yereña was contacted immediately, and was on scene early in the morning. No apparent fuel or hazardous materials were seen aboard. Both owners were contacted and responded within a number of hours, and had vessel insurance coverage. A marine salvage company (Gary Roller) was called in by NPS to haul the vessels up beyond the high tide line to try to avoid hull damage in the surge. Significant damage was incurred to both vessel hulls as a result of the heavy surf. The smaller sailboat was dispatched the following day into smaller parts and hauled away.

The 26 ft vessel broke in half while being towed up on the beach, and was taken apart and removed by end of the day on the January 20th.

EDUCATION, VOLUNTEER AND OUTREACH PROGRAMS



Image of the Sanctuary Exploration Center Construction site from the live webcam.

Sanctuary Exploration Center Construction Site Live Webcam

MBNMS staff worked with Bogard Construction Company and the City of Santa Cruz to install and bring up a live web cam to capture live feed of the Sanctuary Exploration Center construction process over the next year (<http://173.8.140.236/>). Over the course of the year, photos at 5-minute intervals will be archived on a server 24/7. Once construction is complete, a time-lapse video will be created of the entire process.

MBNMS Voices of the Bay Fisheries Education teacher presents at American Geophysical Union Fall Meeting

Jackie Hams, an oceanography professor at Los Angeles Valley College, presented a poster on implementing the Voices of the Bay Fisheries Education (VoB) curriculum with her students at the American Geophysical Union Fall Meeting in San Francisco on December 15th. Jackie was trained on the VoB curriculum at the July 2009 Professional Development Workshop in Santa Cruz. She has since implemented the curriculum four times in her Oceanography and Environmental Science classes; as well Jackie recruited a colleague to also use the curriculum.

The students have greatly enjoyed the activities. One student commented, “the way this exercise was conducted was perfect. I learned the ocean is a very fragile system and in order for it to provide sustainable yields for future generations, fisheries cannot be fueled on greed and we should monitor the amounts caught each season.” Numerous scientists as well as informal and formal educators expressed interest in the VoB program and in participating in the future.

MERITO Academy introduces 548 students to the MBNMS

During the months of September –December 2010, the Monterey Bay National Marine Sanctuary's Multicultural Education for Resource Issues Threatening Oceans (MERITO) program kicked off its MERITO Academy at 24 sites introducing 548 students to the Monterey Bay National Marine Sanctuary. During the 2010-2011 academic year, 26 MERITO Academy programs will run at sites in the cities of Marina, Monterey, Seaside, Salinas, San Miguel, Pajaro, Pescadero, Watsonville, and Freedom to deliver the 40-week MERITO Academy to an estimated 500 historically underserved students in the Monterey Bay area. This sanctuary and BWET funded program provides hands-on, inquiry based watershed and ocean science experiences for 5th to 8th grade students who are predominately English language learners. Activities included an introduction to the MBNMS and a watershed model demonstration.

Collaboration with Portola Hotel & Spa

The MBNMS has been in conversation with the General Manager of Portola Hotel & Spa and has provided them with a short three and a half minute video depicting the natural beauty and human interactions in the Sanctuary. The Portola was thrilled to have the product available and immediately posted it to their in-room hotel channel. It is currently being repeatedly broadcast on a daily basis in all 379 guest rooms. Many thanks to Chad King for developing such a quality product! It is really terrific to see this video met with such enthusiasm by our business partners.

Partnership with Monterey Peninsula Airport District

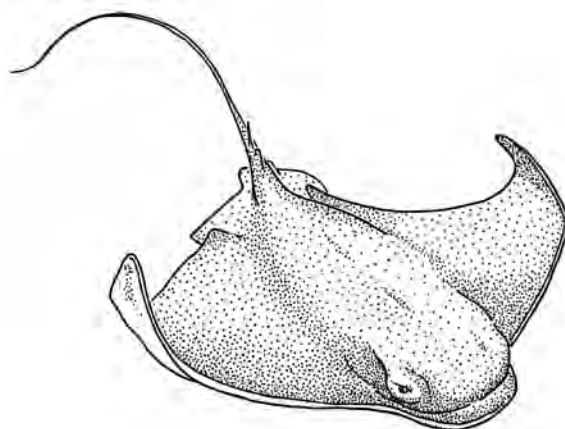
The Monterey Peninsula Airport District has been displaying a short video of the MBNMS in their newly renovated baggage claim area for the past several months. Recently this video was updated and improved. The Airport has reported that approximately 395,000 people transited through the Airport during fiscal year 2010, with 75% of passengers spending some time at the baggage claim area. In terms of quantifying individuals exposed to this basic-level-awareness outreach tool, this data may help.

Whale Fest Radio Interview

MBNMS staff participated in an hour-long radio show on KNRV on January 8th, promoting the MBNMS and the upcoming Whale Fest scheduled for January 22nd at Fisherman's Wharf. Although the focus of the interview related to the Whale Fest, the Government and Community Relations Coordinator also included information about healthy oceans, economic vitality, partnerships, volunteerism, and the majesty of whales. A CD of the interview is available.

Whale Fest at the Monterey Fisherman's Wharf

On January 22nd Sanctuary staff shared exhibit space with both the National Marine Sanctuary Foundation and the Monterey Bay Sanctuary Foundation at Whale Fest, a public outreach event to celebrate whales held at the base of Fisherman's Wharf in Monterey. The foundations handed out sanctuary posters and accepted donations while sanctuary staff presented an interactive family activity about marine debris. The all-day event was well attended.



WEB SITE (<http://montereybay.noaa.gov/>)

Recent Updates

Visit the web pages listed below to see recently updated sections of the MBNMS web site.

- Press Release: NOAA seeks public comment on proposed overflight rule change for four national marine sanctuaries on west coast.
http://montereybay.noaa.gov/intro/press_releases/press_releases.html#overflight

Follow the MBNMS on Facebook and Twitter!

*Please take a few moments to peruse the site. Your feedback is greatly appreciated.
Comments and suggestions can be sent to andrew.white@noaa.gov.*

FUN, OCEAN RELATED WEB SITES

NOAA Online Media Library

<http://sanctuaries.noaa.gov/photos>

Encyclopedia of the Sanctuaries

<http://www.ocean.com/Library/Encyclopedia/>

Oceans Live

<http://www.oceanslive.org/portal/>

SIMON

www.mbnms-simon.org

Office of National Marine Sanctuaries

<http://www.sanctuaries.nos.noaa.gov/>

NOAA Ocean Explorer

<http://oceanexplorer.noaa.gov/>

National Data Buoy Center

<http://www.ndbc.noaa.gov/rmd.shtml>

National Ocean Service

<http://www.nos.noaa.gov/>

National Oceanic & Atmospheric Administration

<http://www.noaa.gov/>

Thank You Ocean

<http://www.thankyouocean.org/>

Learn More About Your Sanctuary

The Sanctuary Office Report is produced bi-monthly by the Monterey Bay National Marine Sanctuary in conjunction with Sanctuary Advisory Council meetings. To learn more about the Sanctuary please visit our web site at: <http://www.montereybay.noaa.gov>.

To learn more about the Sanctuary Advisory Council please visit:
<http://www.montereybay.noaa.gov/intro/advisory.html>

The Office of National Marine Sanctuaries

The Monterey Bay National Marine Sanctuary is one of 14 marine protected areas in the National Marine Sanctuary System 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. Visit the ONMS web site at: <http://www.sanctuaries.nos.noaa.gov/>

Get involved and stay informed!

To learn how to get involved in the Sanctuary visit:
<http://montereybay.noaa.gov/educate/internship.html>

Sign up for the MBNMS listserv to receive email notices about upcoming Sanctuary events, and public meetings of the Sanctuary Advisory Council and its Working Groups:
<http://montereybay.noaa.gov/discussiongroups/disgroups.html>.



MBNMS Staff

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Erica Burton – Research Assistant
Jennifer Brown – Research Associate
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Chad King – SIMoN Data Analyst
Dawn Hayes – Education & Outreach Coordinator
Liz Love – Education Specialist
Sonya Padron – Bilingual Education Specialist
Lisa Uttal – Visitor Center Project Manager
Kristin Hunter-Thomson – Fisheries Education Specialist
Scott Kathey – Regulatory Coordinator
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Brad Damitz – Environmental Policy Specialist
Lisa Lurie – Agriculture Water Quality Coordinator
Bridget Hoover – WQ Protection Program Director
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Lisa Emanuelson – Citizen Watershed Monitoring Network Coordinator
Andrea Page – Water Quality Analyst
Lisa de Marniac – Environmental Policy Specialist
Rikki Dunsmore – Resource Protection Specialist
Raymond Chisolm – Program Specialist
Nicole Capps – Advisory Council Coordinator
Andrew White – Network Manager
Sophie De Beukelaer – GIS Analyst
David Minard – R/V Fulmar Captain
Hans Burning – R/V Fulmar Mate
Erik Larson – R/V Fulmar Operator

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