

**MONTEREY BAY NATIONAL MARINE SANCTUARY
OFFICE REPORT**

October 1, 2002-November 26, 2002

Management

On October 8, 2002 MBNMS Community and Public Relations Coordinator Rachel Saunders, SAC Administrator Nicole Capps and Management Plan Coordinator Sean Morton met with new SAC members Fred Wendell and Paul Reilly from the California Department of Fish and Game. MBNMS staff provided a detailed orientation regarding the SAC and brought them up to speed on the MBNMS 5 Year Management Plan Review.

Rachel Saunders, Community and Public Relations Coordinator, met with Frank Degnan and Berkley White, the primary and alternate dive representatives on the SAC, to discuss projects of mutual interest to the Sanctuary and the dive community.

On November 13, 2002 Rachel Saunders attended a VIP reception at the Monterey Peninsula Chamber of Commerce. Rachel made a brief presentation about the Sanctuary and learned more about the Chamber's.

On November 19, 2002 Rachel Saunders attended an informational briefing in Santa Cruz for central coast journalists on "Marine Protected Areas (MPA): Scientific Realities and Public Perceptions." The briefing was organized by PISCO (Partnership for Interdisciplinary Studies of Coastal Oceans) and UC Santa Cruz and was sponsored by the Ocean Wilderness Network, COMPASS and SeaWeb. Journalists from the San Jose Mercury News, Santa Cruz Sentinel and Monterey County Herald attended, along with about a dozen students of UC Santa Cruz's Science Communication Program (many of which serve as interns for area newspapers). Agency, conservation and fishing representatives were also in attendance as observers. Topics included an overview of MPA planning activities on the west coast, examples of MPA effects on conservation, ecosystems and fisheries, marine reserve design and public attitudes towards MPA's.

Joint Management Plan Review

Sean Morton was in Hawaii from October 21-October 23 assisting the staff of the Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve helping to define the issues that may be addressed as part of it's management plan if the Reserve is designated as a Sanctuary.

On November 7, Michele Roest, Education Specialist from the San Simeon office gave a "Sanctuary 101" presentation in Cayucos to a group of about 50 people interested in considering changes to the southern MBNMS boundary. The group is forming a working group in a format similar to the SAC to discuss three options: no change to the current status, requesting that MBNMS move the boundary the south thereby incorporating more of San Luis Obispo County, or creating a new marine sanctuary. The working group was coordinated by the District Supervisor, Shirley Bianchi, Congresswoman Lois Capp's office, World Wildlife Fund representative Robin Robinson, and members of the community.

MBNMS Staff that will be leading SAC working groups as part of the Joint Management Plan Review participated in a two-day workshop in Pescadero on November 16 and 17. The workshop focused on developing skills for group facilitation, meeting management, and development of action plans.

On Friday Oct 11th, Sanctuary staff, and ten local researchers and fishers met with NCCOS's Biogeography Team at the MBNMS office to review the Sanctuary Biogeographic Assessment of Fishes and Invertebrates, for the Joint Management Plan Review. Feedback was provided on species distributions, life histories, and data sets, as related to the Habitat Suitability Modeling and Assemblage Analyses. A final product is expected in late November.

Education and Outreach

Education and Outreach staff met with consultants on October 14 to determine locations and logistics for two weather kiosks to be located in the Monterey and Pillar Point Harbors. Contacts have been made to two harbors, Pillar Point and Monterey, where we intend to install the first two weather kiosks. We intend to install similar kiosks at Santa Cruz and Moss Landing Harbors in the future.

In early October, Jen Jolly, Education Specialist, and Lisa Emanuelson, Resource Issue Education Specialist, attended the GFNMS's Ocean Fest at Chrissy Field in the Presidio, San Francisco. A few thousand people were treated to live music, activities for children and MBNMS's life-size inflatable Humpback Whale. Kids of all ages were able to explore the whale both inside and out.

Educations and Outreach Staff attended the two-day Morro Bay Harbor Festival and were overwhelmed by the 20,000 attendees. Participants partook of activities and exhibitors representing the harbor's history and importance to the community.

On November 7th, Rachel Saunders, Community and Public Relations Coordinator for the Monterey Bay National Marine Sanctuary, gave a 2-hour presentation to the "Wild Goose Duck Fishing Club" in Carmel, CA. The club is composed of 14 women who have gathered together annually for 24 years to learn about various subjects. They made contact with the Sanctuary through a recommendation from the Packard Foundation. For more information, contact Rachel Saunders at (831) 647-4237

On November 12, Michele Roest from the San Simeon office met with law enforcement and public safety agencies to discuss strategies for the upcoming elephant seal season. National Marine Fisheries Service agent Roy Torres attended along with representatives from California Department of Fish and Game, State Parks, Highway Patrol, the County Sheriff's office, Friends of the Elephant Seal and the Hearst Corporation.

The Sanctuary's TeamOCEAN Kayaker Outreach Program has wrapped up its second successful summer field season, and expanded this year to include volunteers. On weekends from June to October, Sanctuary naturalists kayaked the waters of Monterey and Elkhorn Slough providing information on local wildlife and the Sanctuary, along with guidelines on respectful wildlife viewing. A team of 4 paid staff and 9 volunteers collectively clocked 549 hours on the water,

and reached 3,529 fellow kayakers, with a Sanctuary message. More information or a copy of the season report can be obtained from Jen Jolly, Education Specialist, at (831) 420-1630.

The MBNMS fabricated and gave three new "tide pool etiquette" signs to the City of Pacific Grove, all for installation at Lovers Point, a rocky shore area heavily visited by the public. A total of nine signs with text in English, Spanish and Vietnamese have now been produced by the Sanctuary with support from the Monterey Bay Aquarium and given to Pacific Grove for installment along the shoreline.

On November 21, Jen Jolly, Education Specialist, hosted a Wildlife Watchers' Workshop to discuss the potential collaborative development of a waterproof card, to be attached to kayaks and other boats, providing species identification and natural history information on local wildlife species, along with tips for respectful wildlife viewing. Twenty people attended the meeting, representing Monterey Bay area kayak shops, coastal tour operators, and environmental groups. The idea was well received, and Jen will be coordinating the card development effort.

Research and Monitoring

Chad King, SIMoN Data Analyst, recently converted the 1999 Summary of Rocky Shore Monitoring Projects in the Monterey Bay National Marine Sanctuary to a GIS data layer in an ongoing effort to integrate historical monitoring programs into the SIMoN GIS.

Sanctuary staff received the final report entitled, "A Review of the Ecological Effectiveness of Subtidal Marine Reserves in Central California," by Rick Starr (California Sea Grant) and others. The report consists of two parts: 1) Synopsis of Scientific Investigations; and 2) Summary of Existing Marine Reserves in Central California and their Potential Benefits. Copies of the report will soon be available for distribution. For more information contact Erica Burton, Research Specialist, at (831) 647-4246.

From September 22-24, Steve Lonhart, SIMoN Scientist, attended the Alliance for California Current Ecosystem Observation (ACCEO) meeting in Portland, Oregon. Over 30 scientists from academia, state, and federal agencies discussed future steps towards integrating fishery-related and oceanographic research efforts along the entire California Current. Modeled after the CalCOFI efforts in southern California, ACCEO has included researchers from Canada and Mexico, making this an international project to coordinate sampling regimes at a truly broad spatial scale.

Steve Lonhart and Chad King are working with the Center for Integrated Marine Technologies (CIMT) through UCSC to develop a standard for data integration between many real-time (such as the Wind to Whales project) and non real-time data sources. As a part of the data management committee, they will be involved in the development of a relational database that will allow SIMoN to disseminate data through its web page.

Chad King and Steve Lonhart conducted kelp biomass surveys October 8 and 9 at the Hopkins Marine Life Refuge as part of a collaborative effort between SIMoN and the Center for Integrative Coastal Observation and Research (CI-CORE). In addition, CI-CORE and Dr. Richard Zimmerman completed hyperspectral surveys of kelp beds along central California

(including HMLR). When combined, the hyperspectral data and biomass estimates should provide a greater understanding of this important habitat. For more information, contact Steve Lonhart at (831) 647-4222.

Kelly Newton, Research Intern, participated in the October Wind to Whales Cruise on October 8-9. A high diversity of marine mammals and seabirds was seen, including six different cetaceans in one day! The two most abundant seabirds were the Common Murre and the Rhinocero Aukle. A Leatherback Turtle was sighted in the north bay on the second day. For more information, please contact Kelly Newton (831) 647-4204.

On October 17, Steve Lonhart, SIMoN Scientist, dove with Gil Falcone (Monterey Bay Aquarium Assistant Dive Safety Officer) and other volunteers while aboard the R/V Mako, a California Department of Fish and Game vessel. CDFG is in the middle of repeatedly sampling several sections of the kelp forest in Stillwater Cove, Pebble Beach over a 3 week period. By collecting data from the same area, CDFG will be able to assess short-term temporal variability in fish densities, sampling error, and differences among observers with varying levels of experience in completing fish surveys.

On October 24, 2002 Steve Lonhart helped UCSC students Rich Walsh and Michelle Fuller search the floating docks in Monterey Harbor for the invasive alga *Undaria pinnatifida*. Rich and Michelle are using SCUBA to collect data for a team of researchers (including Kerstin Wasson at the Elkhorn Slough National Estuarine Research Reserve; Mark Carr and Craig Syms at UCSC; and Michael Graham at Moss Landing Marine Laboratories) that plan to study and eradicate the non-indigenous alga that is native to Japan. With the cooperation of Monterey Harbor staff, we have been given access to survey a random sample (n=75) of fingers in order to create a spatially explicit map of the infestation.

Irina Kogan, MBNMS Research Fellow with MBARI and Erica Burton, Research Specialist, participated in the side scan survey of the ATOC cable, extending from Pillar Point to the Pioneer Seamount. The 3-day survey aboard MBARI's R/V Zephyr, mapped the shelf area and is the first step toward determining impacts of the cable to the sea floor and biota.

The 83rd Annual Meeting of the Western Society of Naturalists was held November 8 - 11 in Monterey. Steve Lonhart chaired a session on Applied Ecology and spoke about "The Sanctuary Integrated Monitoring Network (SIMoN): A new program at the Monterey Bay National Marine Sanctuary. Andrew DeVogelaere is the new President of the society for 2002 - 2003. Erica Burton, Kelly Newton, Deirdre Hall and Sean Morton also participated in the conference.

The National Sea Grant review panel has recommended that we submit a full proposal on our project, "An Integrated Response to a New Coastal Invasion: Monitoring and Managing *Undaria* in Monterey Bay". This is a collaboration with the University of California at Santa Cruz, the Elkhorn Slough National Estuarine Research Reserve, the University of California at Davis, Moss Landing Marine Laboratories. For more information, contact Steve Lonhart, SIMoN Scientist, at (831) 647-4222.

Andrew DeVogelaere assisted the John Hopkins University Program for Talented Youth by giving a presentation on the Davidson Seamount and participating in a panel on career choices in marine science.

On November 7, a volunteer appreciation event was held for the Sanctuary Beach COMBERS. Some volunteers have been with the program for 5 years, and have actively participated in assessing impacts of harmful algal blooms, gillnet bycatch, and oil spills. For more information, contact Andrew DeVogelaere, Research Coordinator, at (831) 647-4213.

On November 14, 2002, Sanctuary staff revisited the grounded fishing vessel Bono just south of John Little State Reserve in the southern part of the Sanctuary. The F/V Bono grounded on September 9, 2001. Staff have visited the site twice since the grounding to survey intertidal damage. The vessel has moved from its original grounding location and from its location during the March 2002 survey. The area affected during the initial grounding seems to be recovering, with algal growth (turf reds) and small mobile invertebrates (limpets, snails) as the most common inhabitants. Mussel beds have not returned. For more information, contact Erica Burton (Research Specialist) at 831-647-4246.

The MBNMS hosted the Research Activities Panel (RAP) on November 15. After an overview of MBNMS programs, the RAP began the selection process of Sanctuary Currents Ricketts Lecture and Science Award selections; developed a working group to address research permits in the Management Plan revision process; accepted a draft letter from the RAP chair, advising the MBNMS staff on research associated with cruise ships; and received updates on half a dozen other projects.

Resource Protection

The Monterey Bay Sanctuary Citizen Watershed Monitoring Network coordinated the third annual First Flush monitoring event, which took place during the first storm of the season on Thursday, November 7th. More than 50 volunteers collected storm water samples at 19 locations around the Monterey Bay. Sixty sets of samples were collected including bacteria, nitrate, orthophosphate, copper, zinc, lead, total dissolved solids, total suspended solids, oil and grease, and toxicity. Articles appeared in the Monterey Herald (11/7/02) and Santa Cruz Sentinel (11/8/02) newspapers, Bridget Hoover appeared on KSBW-TV (11/7/02), and Rachel Saunders participated in a radio interview on KCBS (San Francisco) which aired several times on 11/9/02. The Coast Weekly newspaper is doing an article on the event on 11/14/02. For more information, contact Bridget Hoover, Network Coordinator (831) 883-9303.

The State's Central Coast Regional Water Quality Control Board announced a proposed civil liability settlement of 5 million dollars (!) with Pacific Gas and Electric for permit violations over a 20-year period related to discharge of heated cooling water at their Moss Landing power plant. The settlement, if finalized at the Board's December meeting, will go to fund environmental projects, including \$2.8 million for on-the-ground non-point source implementation projects under the Sanctuary's Agriculture Plan, and \$950,000 for water quality monitoring in association with the projects. The many partners in the Agricultural Plan will apply for funding to the Community Foundation for Monterey County to expand their work. Great news for MBNMS, and it occurred by the State taking the lead to identify this plan as their

preferred project. For information contact Katie Siegler, Agricultural Water Quality Coordinator at (831) 647-4219.

Holly Price, Resource Protection Coordinator, and Huff McGonigal, Environmental Policy Specialist, participated as a member of the first meeting of the Monterey Regional Workgroup for the state's Marine Life Protection Act, convened by the California Department of Fish and Game to make recommendations on the establishment of MPA's in state waters on the central coast. The group, which plans to meet regularly over the next two years, includes representatives from environmental groups, diving, recreational and commercial fishing, scientists and local communities. The degree of success of this group will be an important factor in how MBNMS addresses marine reserves in its Management Plan Review.

A Steering Committee Meeting of the California Department of Transportation's Coast Highway Management Plan reviewed a recently released draft of the plan and accompanying guidelines for landslide management. Although the draft represents a good start, MBNMS staff relayed significant remaining concerns about the conditions described for ocean disposal, and are scheduling a follow-up meeting to craft revised language. For more information, contact Holly Price at (831) 647-4247.

LT Joe Scarpa from the FKNMS Enforcement Team visited MBNMS to exchange information with MBNMS enforcement partners on enforcement methods and organization. He gave presentations to enforcement personnel and MBNMS staff, assisted with a permit inspection dive, and participated in marine patrols aboard several large and small enforcement vessels. For more information, contact Scott Kathey at (831) 647-4251.

Katie Siegler led a meeting of the Farm Bureau Water Quality Monitoring Technical Advisory Committee to finalize protocols and parameters of long-term water quality monitoring, and to document agricultural water quality protection practices in the Sanctuary's watersheds. The meeting was attended by Farm Bureau representatives, Regional Water Quality Control Board staff, agricultural agency staff, university researchers, and Resource Conservation District staff. For more information, contact Katie Siegler at (831) 647-4219.

The Citizen Watershed Monitoring Network organized the quarterly Monterey County Watershed Information Exchange on Thursday, September 19th. The event was hosted by the Agricultural Land-based Training Association (ALBA). The Exchange included a tour of the Triple M ranch in which various Best Management Practices were demonstrated, and a discussion on practical ways growers and land managers can prepare for the rainy season. Contact Bridget Hoover, Network Coordinator, for more information (831) 883-9303.

On Tuesday, September 24th, the Citizen Watershed Monitoring Network organized a training for the First Flush water quality monitoring event. During the first major rain of the season, volunteers will collect samples of urban runoff from 19 storm drain outfalls throughout Monterey Bay. The samples will be analyzed in a laboratory for E. coli, nitrate, orthophosphate, zinc, copper, lead, oil and grease, TDS, TSS, and toxicity. Contact Bridget Hoover, Network Coordinator, for more information (831) 883-9303.

On September 26, staff from the Research and Resource Protection teams attended a presentation at the Elkhorn Slough National Estuarine Research Reserve (ESNERR) on marine invasive species. Agencies, non-profits, and stakeholder representatives were invited as part of an effort to form an early warning network that identifies invasive species before they become established in the area. The premise of the workshop was that once these species get established it's too late and that we must eradicate them as they arrive. The effort was coordinated by the ESNERR Research Coordinator in partnership with the Sanctuary. For more information, contact Holly Price at (831) 647-4247.

On October 2, the Pacific Grove City Council passed a resolution supporting a voluntary no-discharge commitment within the MBNMS from visiting cruise ships. Lisa de Marignac, Management Support Specialist, provided testimony in favor of the resolution. Pacific Grove is one of a growing list of government agencies passing similar resolutions and/or writing to the State's cruise ship task force, requesting that the State designate the MBNMS a no-discharge zone for cruise ships. On October 9, Crystal Cruises' Crystal Harmony is scheduled to make a port call in Monterey. This is the third and last currently scheduled cruise ship visit for this year. MBNMS staff will monitor the cruise ship while it is in Monterey Bay, and Lisa Emanuelson (Education Team) will be boarding the ship the prior evening in San Francisco to give a naturalist presentation to passengers, en route to the MBNMS.

Resource Protection Team staff met with the City of Monterey and the City of Pacific Grove to outline a joint proposal to conduct infrastructure improvements to reduce beach closures and postings, and to conduct genetic analyses on coliform bacteria to identify anthropogenic and wildlife sources of beach contamination. For information contact Holly Price, Resource Protection Coordinator, at (831) 647-4247.

On October 9, Crystal Cruises' Crystal Harmony made their scheduled port call in Monterey. This is the third and last currently scheduled cruise ship visit for this year. MBNMS staff monitored the cruise ship while it was in Monterey Bay for the day, including taking water samples from a continuous discharge which the captain of the Crystal Harmony claimed was cooling water; tests results have revealed no pollutants so far. Lisa Emanuelson (Education Team) gave a general Sanctuary presentation to about 15-20 passengers, while the ship was en route to the MBNMS.

A presentation was given to the Monterey Bay Aquarium Oceanography Club, with approximately 60 high school students and adults in attendance. The evening's focus was about water quality and monitoring. The students will participate in the upcoming National Water Monitoring Day event. For more information contact Bridget Hoover, Sanctuary Citizen Watershed Monitoring Network Coordinator (831) 883-9303.

MBNMS provided testimony at a public meeting on the potential of a desalination plant to be constructed in Moss Landing, to support the concept of a regional facility which mixes the brine discharge with an existing discharge of cooling water.

The Monterey Bay Sanctuary Citizen Watershed Monitoring Network is promoting the National Water Monitoring Day event, which celebrates the 30th Anniversary of the Clean Water Act on October 18th. Local volunteers will join volunteers throughout the county in sampling the

quality of streams, lakes and coastal waters and will enter their data into a national databank at the Year of Clean Water Web site at: www.yearofcleanwater.org. For more information contact Bridget Hoover, Sanctuary Citizen Watershed Monitoring Network Coordinator, at (831) 883-9303.

The Alliance of Communities for Sustainable Fisheries met with MBNMS staff at the office on Oct. 17, after a hiatus during the peak summer fishing season. The group reviewed the status of the state's reserve effort under the Marine Life Protection Act, and responded to a presentation from Holly Price, Resource Protection Coordinator, on fisheries-related and reserve topics to be addressed in the Management Plan Review. The group agreed that they will be developing reserve policy-level recommendations to transmit to both the MBNMS reserve workgroup and the state's regional group, rather than selecting specific reserve sites. This should provide a useful ongoing forum to exchange information and views with the fishing community. For more information, contact Holly Price at (831) 647-4247.

MBNMS staff worked with the Monterey Bay Sanctuary Foundation and the cities of Pacific Grove and Monterey to develop and submit a Foundation proposal for state Prop. 40 funds which would address frequent beach closures and postings due to elevated levels of coliform bacteria. The \$1.8 million proposal, if funded, would provide funding to the cities for replacement of cracked and leaking pipelines in Monterey, a video diagnostic assessment of Pacific Grove's aging pipelines, and for the Foundation to conduct a genetic analysis of coliform to separate anthropogenic and wildlife sources. For more information, contact Huff McGonigal at (831) 647-4254.

The Monterey Bay Sanctuary Citizen Watershed Monitoring Network Coordinator gave a presentation at a watershed workshop hosted by Greenspace in Cambria. Approximately 90 people attended the workshop which was organized to inform locals about issues affecting the Santa Rosa Creek watershed. For more information contact Bridget Hoover, Network Coordinator (831) 883-9303.

A 22-foot pleasure boat capsized in the surf line off Pescadero State Beach on October 30. There were no fatalities. The vessel broke up and contained approximately 30 gallons of gasoline onboard. Sanctuary enforcement officers are investigating the incident. For more information, contact Scott Kathey at (831) 647-4251.

Scott Kathey, Regulatory Coordinator, and Michele Roest, Education and Outreach Specialist, have initiated discussions with State Parks officials in San Simeon about potential part-time funding of a park ranger to assist with Sanctuary enforcement in the southern reaches of the Sanctuary. For more information, contact Scott Kathey at (831) 647-4251.

The California Boating and Waterways Commission held a workshop in Monterey on the role of MBNMS in dredge disposal, fishing and reserves, coastal erosion and other harbor-related issues. Holly Price, Resource Protection Coordinator, gave an overview on these issues, followed by presentations from four local harbormasters. Several areas of shared interests were identified with the commission and harbormasters, including improved prevention and response to small vessel groundings, potential utilization of harbor patrols for MBNMS enforcement, water quality, and better regulations for MPWC. The harbormasters spoke of their concerns

regarding dredge disposal, which they wish to be addressed in the JMPR, including flexibility on disposal volumes, locations and grain size. For more information, contact Holly at (831) 647-4247.

The MBNMS recently forwarded investigation requests to NOAA OLE for 3 boat sinkings/groundings, 2 municipal raw sewage discharges, and entanglement of seabirds in a net pen. The MBNMS Dive Team assisted NOAA OLE in the investigation of alleged seabird entanglement in the floating net pen anchored within the Sanctuary. The Sanctuary has increased its requests to the California Department of Fish and Game (CDFG) to assist in these investigations, and they have conducted the initial investigative work on all but 1 of the above cases. For information contact Scott Kathey, Regulatory Coordinator at (831) 647-4251.

Scott Kathey attended a planning meeting of trustee agencies in Oakland on November 14 to develop Damage Assessment and Restoration claims to the Coast Guard Fund Center related to oil releases from the sunken vessel SS Jacob Luckenbach. Damage assessment claims are expected to total several hundred thousand dollars. Restoration plans are still very preliminary pending additional information from the damage assessment phase. For information contact Scott at (831) 647-4247.

With the receipt this week of a long awaited contract from the state to the Sanctuary Foundation, Katie Siegler, Agricultural Water Quality Coordinator, has begun management of the Pescadero/Butano Watershed Assessment funded by the State Water Resources Control Board. The assessment will identify sediment sources and transport mechanisms in two watersheds in San Mateo County, as well as monitoring and installation of agricultural best management practices on local farmland. For more information, contact Katie at (831) 647-4219.

On November 19, Deirdre Hall, Permit Coordinator, met with the California Department of Transportation (Caltrans), to discuss recent storm damage of Highway 1 along the Big Sur Coast and their plans for a different type of coastline armoring strategy. A site visit was made along critical beaches to observe areas of potential future needs. Michele Roest, Education Specialist, joined the latter half of the meeting to become familiar with activities that are occurring in the southern reaches of the Sanctuary.

On November 21, a helicopter crashed on Zmudowski Beach. Surprisingly, there were no fatalities. Many agencies responded to the event, including the Sanctuary. The helicopter was reported to be flying at 500-750 feet above sea level within an MBNMS overflight restriction zone. Originally it was thought that fuel was leaking into the surf, but that proved to be incorrect, as the fuel was contained inside the aircraft. The salvage operator was successfully able to remove all evidence of the crash by attaching the helicopter to the back of his truck and essentially "skiing" it off the beach. For more information contact Deirdre Hall, Permit Coordinator, at (831) 647-4207.

Special Events

Huff McGonigal, Environmental Policy Specialist, traveled to Galveston Texas to represent the MBNMS at the 10th anniversary celebration of the Flower Garden Banks National Marine Sanctuary on October 19th. The event was a celebratory dinner followed by exhibits in Moody

Gardens Aquarium. It was attended by two hundred participants including headquarters and regional site staff. For more information, contact Huff McGonigal at (831)647-4254.

Eight MBNMS staff delivered presentations, posters, or lead panels at the California and the World Ocean Conference on October 28-30 in Santa Barbara. Presented topics included the joint management plan review, history and future of Sanctuary efforts, water quality management, citizen watershed monitoring, cultural resources, Davidson's Seamount and desalination plants. The education team staffed our MBNMS exhibit throughout the conference.

Andrew DeVogelaere and Scott Kathey participated in the NMS Small Boats Planning Workshop on November 12 - 13. The group agreed to proceed with a working group on the needed programmatic development of a system wide small boats initiative. For more information, Andrew DeVogelaere at (831) 647-4213 or Scott Kathey at (831) 647-4251.

Julie Barrow, Education and Outreach Specialist, coordinated and staffed an NMSP display for the 130th anniversary of Pigeon Point Lighthouse with MBNMS, GFNMS, and CBNMS. The NMSP and Save Our Shores were the only two groups exhibiting at this event. For more information, contact Julie Barrow at (650) 712-8909.

Significant News Coverage

“Festival marks bay sanctuary's 10th year” AP, Santa Crzu Sentinel, 9/22/02.

“Thousands join coastal, inland cleanup” Laura Wides, AP, Santa Cruz Sentinel, 9/22/02.

“Ocean commission finds serious marine threats from pollution, growth” by John Heilprin, AP, Santa Cruz Sentinel, 9/23/02.

"Local marine researchers join effort to install undersea cable network" Brian Seals, Santa Cruz Sentinel, 9/24/02.

"Sea minus; Ten years after the creation of the Monterey Bay National Marine Sanctuary, things are getting worse" Andrew Scutro, Coast Weekly, 9/26/02.

"Tide turns against large fishing fleets" by Michael L. Weber, Monterey County Herald, 10/2/02.

“Shock to Duke power: Judge orders another study of cooling system; activists applaud decision” by Dennis Moran, Monterey County Herald, 10/4/02.

“Judge orders reconsideration of Duke Energy permits” by Brian Seals, Santa Cruz Sentinel, 10/5/02.

“NOAA fines three area fishermen for filing false reports” by Brian Seals, Santa Cruz Sentinel, 10/10/02.

“Testing the Waters; Environmentalists try to keep cruise lines honest” by Dan Laidman, The Monterey County Herald, 10/10/02.

"Least wanted list; protecting the bay from non-native invaders" by Emily Singer, The Monterey County Herald, 10/13/02.

"Seaweed mystery solved" by Milos Radakovich, The Monterey County Herald, 10/13/02.

"Motorized crafts not enjoyed by all" by Ben Marcus, Santa Cruz Sentinel, 10/20/02.

"National Water Monitoring Day observed Friday on the bay" The Monterey County Herald, 10/17/02.

"Volunteers monitor water quality" by Robin Krieger Mejia, The Monterey County Herald, 10/19/02.

"Changing channels; Army Corps of Engineers dredges Moss Landing Harbor" by Robin Krieger-Mejia, The Monterey County Herald, 10/22/02.

"BAY NET seeking volunteers for training" The Monterey County Herald, 10/26/02.

"Report warns of overfishing; New policies needed, Panetta says." by Helen Fields, The Monterey County Herald, 10/29/02.

"Friends of the Elephant Seal", by Joan Crowder, The Sun Bulletin, 10/30/02

"Meeting Set to Mull Marine Sanctuary", by Kathe Tanner, The Cambrian, 10/31/02

"Environmentalism Puts Portraits of the Coastline on the Web" The San Luis Obispo Tribune, 11/3/02

"Tide turns against large fishing fleets" by Michael L. Weber, Monterey County Herald, 10/2/02.

"Shock to Duke power: Judge orders another study of cooling system; activists applaud decision" by Dennis Moran, Monterey County Herald, 10/4/02.

"Judge orders reconsideration of Duke Energy permits" by Brian Seals, Santa Cruz Sentinel, 10/5/02.

"Volunteers set for First Flush" by Kate Ramsayer, The Monterey County Herald, 11/7/02.

"Sanctuary Status Workshop Set for Cayucos Today" by Kathe Tanner, The Cambrian, 11/7/02.

"Sanctuary Seeks Members for Advisory Council" Santa Cruz Sentinel, 11/8/02.

"Volunteers Roll Out to Test 'First Flush' From Streams" by Brian Seals, Santa Cruz Sentinel, 11/8/02.

"Marine Sanctuary Seeks Advisory Council Applicants" The Monterey County Herald, 11/11/02.

"Cable may be laid in bay; 'New window' into ocean" by Emily Singer, The Monterey County Herald, 11/12/02.

"Activitists Studying Marine Sanctuary", by David Sneed, The San Luis Obispo Tribune, 11/12/02.

"Clean Water Act: During winter's first storm, citizens fan out to monitor runoff for pollutants" Coast Weekly, 11/14/02.

"Pajaro Watershed Institute educates local students" (about MERITO), Register-Pajaronian, 11/14/02.

"Expand bans on fishing" New York Times Editorial, The Monterey County Herald, 11/15/02.

"Navy reduces sonar testing" by David Kravets, The Monterey County Herald, 11/16/02.

"Learning Odyssey; O'Neill takes 20,000th student on deep-sea adventure" by Brian Seals, Santa Cruz Sentinel, 11/17/02.

"Sailboat runs aground; Harbor Patrol stages rescue, no one injured" Santa Cruz Sentinel, 11/18/02.

"Expert says Alaskan sea otters face different sort of problem" by Brian Seals, Santa Cruz Sentinel, 11/19/02.

"Crab surplus keeps fishermen in, sends prices down" Santa Cruz Sentinel, 11/22/02.

"Scientists discuss marine reserves" by Brian Seals, Santa Cruz Sentinel, 11/21/02.

"UCSC gets cash for bay research center" by Brian Seals, Santa Cruz Sentinel, 11/21/02.

"Oil spill accident waiting to happen" Editorial, Santa Cruz Sentinel, 11/22/02.