



Monterey Bay National Marine Sanctuary

Sanctuary Office Report

Volume 19, Number 6



ABOUT THE SANCTUARY

Designated in 1992, 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, 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. MBNMS was established for the purpose of resource protection, research, education and public use of this national treasure.

A REPORT FOR THE SANCTUARY ADVISORY COUNCIL MEMBERS

REPORTING PERIOD: OCTOBER 8 - NOVEMBER 18, 2022

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

National Marine Sanctuaries Release New Strategic Plan

In recognition of the 50th anniversary of the National Marine Sanctuary System, the Office of National Marine Sanctuaries released a new 5-year strategic plan, [Our Vision For America's Treasured Ocean Places: A Five-Year Strategy For The National Marine Sanctuary System](#) and a new 20-year vision, [A Transformational Vision for National Marine Sanctuaries: 2022-2042](#). Together, these documents will guide actions and decisions across the sanctuary system to protect the extraordinary scenic beauty, biodiversity, historical connections, and economic productivity of the National Marine Sanctuary System into the future.

ONMS to partner with National Marine Sanctuary Foundation and

National Geographic on Ocean Literacy Lesson Plans

The National Marine Sanctuary Foundation in partnership with ONMS released [a RFP](#) for a curriculum developer to create a series of lessons on the Ocean Literacy Principles and sanctuaries. Funding for this project comes from National Geographic and will also highlight their materials and work within sanctuaries. Lessons will align with Next Generation Science Standards as well as focus on diverse voices and perspectives. The lessons will also be translated to Spanish.

Highlighting the Contributions of Sanctuary Advisory Councils

NOAA is proud to highlight the important [contributions advisory council members](#) have made to the Office of National Marine Sanctuaries. In FY22, 415 advisory council members across the system volunteered 8,597 hours toward informing management of 15 national marine sanctuaries and two national marine monuments (equivalent of \$238,725.00 in time volunteered). As a community-based program entrusted with managing public resources, advisory councils are essential to ensure that NOAA is managing sanctuary resources in the most responsible way to achieve our mission.

NOAA announces \$4.2 million in funding to support four-year research project to focus on climate impacts to Dungeness crab

NOAA's National Centers for Coastal and Ocean Science Competitive Research Program, Climate Program Office, Ocean Acidification Program, and U.S. Integrated Ocean Observing System Office, in partnership with the Office of National Marine Sanctuaries, have announced \$4.2 million in funding to support a [four-year project](#). The research outlined is geared towards understanding multi-stressor impacts on marine ecosystems under climate change. The newly funded research project will occur off the coasts of northern California, Oregon, and Washington, and will focus on climate impacts to Dungeness crab, an iconic and valuable fishery resource that is culturally and economically important to the region's coastal communities. Read more [here](#). Understanding the impacts and relationships among multiple stressors is important, but very little data exists so far. This project will rely on a combination of existing ocean data, ocean models, laboratory experiments, and fisheries management evaluation techniques, and has the potential to shape the future of ocean science and

fisheries management in the region.

NATIONAL MARINE SANCTUARY NEWS

Farallones Leads First Joint-Agency Permit Review for Coastal Restoration

Adapting to the impacts of sea level rise is one of the greatest challenges facing our coast, yet habitat restoration projects face inefficient permitting processes as a persistent barrier to progress. To promote permitting efficiency, Greater Farallones National Marine Sanctuary staff led a joint agency permitting meeting attended by 19 attendees from 10 agencies to discuss the Surfer's Beach Pilot Restoration Project, a pilot beach nourishment project for ecosystem restoration slated for construction in the northern portion of the Monterey Bay National Marine Sanctuary. Improving agency coordination and permitting efficiency in coastal restoration is one of the top two priorities of the Sanctuary-led North-central California Coastal Sediment Coordination Committee, and this meeting will be used as a model for the region.

Free App Aids Exploration of Florida Keys National Marine Sanctuary

A [free mobile app](#) is now helping users explore the 3,800 square miles of water surrounding Florida Keys National Marine Sanctuary. Marine Sanctuary Explorer helps visitors do their part to protect the unique Florida Keys marine environment by promoting responsible recreation and providing real-time information about sanctuary rules and regulations, as well as points of interest. The app alerts users when they are approaching the more than 50 marine zones located within the sanctuary with easy-to-read guidelines that communicate activities allowable in each managed area, and features GPS-enabled technology in both Apple and Android formats.

Farallones Builds Partnership with U.S. Army Corps of Engineers

Greater Farallones National Marine Sanctuary staff joined the San Francisco District Commander of the U.S. Army Corps of Engineers, Lt. Col. Kevin Arnett, on a tour of the San Francisco Bay onboard the M/V Dillard. Staff discussed his support for engineering with nature-based solutions, one of the district's seven Strategic Goals. The tour also marked the successful selection of the Bolinas Lagoon South End Living Shoreline Project for funding through the Corps' Aquatic Ecosystem Restoration program to support a feasibility study for the Greater Farallones Association-led nature-based restoration site in the sanctuary. Building a partnership with the Corps deepens engagement with the agency and helps build support for nature-based solutions to the impacts of climate change, a key goal of the sanctuary.



NOAA Ocean Today Animated Video, Supported by Channel Islands National Marine Sanctuary and NOAA Fisheries Staff, "Cause a Sea Change: Save Sharks" Nominated for Shorty Award

On October 26, 2022 NOAA Ocean Today animated video "[Cause a Sea Change: Save Sharks](#)" was nominated as a finalist in CONSERVATION & PRESERVATION for a [Shorty Award](#). The Shorty Awards honor the best people and organizations on social media and digital. NOAA Fisheries staff and Channel Islands National Marine Sanctuary staff Shauna Fry and Dr. Ryan Freedman supported NOAA Ocean Today producers with content development and review of the animated video. The objectives of the video include putting shark attacks in perspective compared to other dangers; explaining why sharks are vital to maintaining healthy ocean ecosystems; showing why sharks species are in trouble in some parts of the world; contrasting the above with the overall conservation success in the United States; showing what NOAA is doing to help sharks in the United States and abroad; and engaging the audience in what they can do to help

sharks.

MONTEREY BAY NATIONAL MARINE SANCTUARY NEWS AND PROGRAM UPDATES

SANCTUARY MANAGEMENT

Monterey Bay National Marine Sanctuary Advisory Council Meets

MBNMS's Advisory Council met in hybrid format on October 21. Some members arrived in person at the Monterey Bay Aquarium Research Institute, marking the first in-person meeting of the AC in over two years! Superintendent Lisa Wooninck reported on important or newsworthy activities conducted by sanctuary staff since the last AC meeting. This was followed by a review of the edits to the Diversity, Equity and Inclusion working group's recommendations for improving the reach of the AC to underserved groups. After discussing recommended edits to the original document, the AC voted to forward the recommendations to MBNMS staff. The AC then reviewed the edits to the Vessel Incident working group's recommendations and voted to forward the recommendations to MBNMS staff. Outgoing council members, PJ Webb, Gary Pezzi, Gary Hoffman, Barton Selby, Dr. John Hunt, and Jacob Winnikoff, were honored for their dedicated service on the AC. The morning business meeting concluded midday, but members were encouraged to stay and enjoy a lunch courtesy of the California Marine Sanctuary Foundation, along with a retreat in the afternoon. The retreat featured a presentation from Superintendent Lisa Wooninck on her vision for the AC and how the council may engage in MBNMS priorities over the next five years. A draft work plan was presented that is to be revised and reviewed over the coming meetings. Public and stakeholder engagement is key to sanctuary success. Advisory Council meetings provide a forum for topical discussion, public input and provide a level of transparency for the governance of the sanctuary.

RESEARCH AND MONITORING

Ed Ricketts Memorial Award and Lecture held at Sanctuary Exploration Center

The 2022 Ed Ricketts Memorial Award was presented to Dr. Rick Starr, Research Faculty at Moss Landing Marine Laboratories, on the evening of October 26, 2022 at Monterey Bay National Marine Sanctuary Exploration Center (SEC) in Santa Cruz. Dr. Starr provided a lecture entitled "Chasing Seascapes: Patterns of Scale and Connectivity in Coastal Oceans" that highlighted the science of seascape ecology and how it is advancing our understanding of coastal ocean habitats, species-habitat associations, and species connections.

The hybrid event was well-attended with approximately 40 people at the SEC and 25 online viewers. The event was made available via GoToWebinar; and the recording will be posted on [MBNMS Ricketts web page](#). The Ed Ricketts Memorial Award was created to honor scientists who have exhibited exemplary work throughout their career and advanced the status of knowledge in the field of marine science. The Ed Ricketts Memorial Lecture was created to honor scientists who have exhibited exemplary work throughout their career and advanced the status of knowledge in the field of marine science. The first award was presented in 1986. Recipients are selected by the Monterey Bay National Marine Sanctuary Research Activity Panel. Award history can be viewed [here](#).



MBNMS Research Activity Panel Holds Virtual Meeting

On November 4th, Monterey Bay National Marine Sanctuary (MBNMS) Research Activity Panel (RAP) held a virtual

meeting. Agenda items and presentations included: Building a Climate-Ready Tidal Marsh for Tomorrow: Update on Hester Marsh Restoration; Ship Noise in the Ocean: Investigating a Chronic Ocean Threat and Identifying Biologically Meaningful Solutions; Bioacoustics Update - New Publication on Blue Whale Ecology and Tracking in Monterey Bay; Kelp Research and Restoration Review by RAP Subcommittee; Summary of October Sanctuary Advisory Council Meeting; and 2022 Ricketts Award and Lecture Event Summary. The [MBNMS Research Activity Panel \(RAP\)](#) is a working group of the MBNMS Advisory Council (AC). The RAP meets five times per year, and advises AC and sanctuary staff on basic and conservation science issues.

RESOURCE PROTECTION

Pacific Grove City Council addresses harbor seal disturbance with new ordinance

On October 19, 2022, Pacific Grove City Council unanimously passed a new amendment to an existing harbor seal protection ordinance that will bring added protections against noise disturbance from road construction during the pupping season, which generally goes from mid-February through the end of May. The new ordinance will go into effect on December 2nd and includes provisions for the City to confer with NOAA offices regarding the duration of pupping season and how to mitigate any emergency roadwork repairs that may be needed during that time. MBNMS is currently working with the City and NOAA OPR on preparing for the next season. In addition, we have an intern developing a case study based on the past two years of harbor seal monitoring data collected by a Bay Net volunteer, which we hope will contribute to a better understanding about anthropogenic noise impacts to harbor seals. We plan to have it completed early in 2023. This Monterey Herald article has some additional information. Human caused acoustic/noise disturbance to marine mammals is a west coast regional priority, and MBNMS resource protection strategies include working closely with community volunteers and municipalities to reduce disturbances, through collaborative policies and management.



EDUCATION, VOLUNTEER AND OUTREACH PROGRAMS

Sanctuary Exploration Center engages potential volunteers with an Informational Meeting

During the week of October 3, 2022, the Sanctuary Exploration Center conducted a Virtual Informational Meeting for prospective volunteers. Seven people attended this virtual meeting to learn more about MBNMS and the different volunteer opportunities at the SEC. Received positive feedback and continued interest from 4 of those attendees, as well as 2 unable

to attend, to put together a small fall training cohort using our Docent-In-Training model mixed with some initial in-person training. The Sanctuary Exploration Center relies heavily on volunteers to engage the public and help people build connections with the sanctuary. Volunteers also assist with school field trips, which help inspire and engage K-12 students in various ocean-related topics, including oceanography, plankton, and marine debris.

MBNMS Education Staff make plans to partner with One Cool Earth on Virtual Programs

MBNMS plans to partner with One Cool Earth (OCE) for the third year in a row to provide virtual “field trips”. In all, 40 presentations are planned with 3rd and 4th grade students from San Luis Obispo Counties in the Spring of 2023. The presentations included information on our remarkable and diverse sanctuary, local watersheds, how debris and contaminants can enter the sanctuary through watersheds, impacts of plastics in the marine environment, and how individuals, including youth can do their part to protect the sanctuary. The presentations consistently received positive feedback from stellar reviews from students and all teachers. Although visitor centers have reopened, virtual programming is still a useful tool to engage new audiences including school groups, volunteers, and the public. Distance learning programs such as these can serve as an informational and engaging program for students. Additionally, MBNMS is able to reach a wider audience and from broader demographics than with traditional in-person programs.

Cabrillo College Interns at the Sanctuary Exploration Center

The Monterey Bay National Marine Sanctuary Foundation/Sanctuary Exploration Center has recruited six paid interns from Cabrillo College, funded by the Outdoor Equity Program grant. These interns will be focusing on assisting with field trips at the Exploration Center and community outreach events within the Watsonville area. Specifically, these interns will be engaging with students from Pajaro Valley Unified School District to provide specialized field trip programs to low-income and historically marginalized schools. These interns, named the Monterey Bay Explorers, will also be leading pop-up engagements in Watsonville to provide more accessible opportunities to communities further away from the coastline and with fewer environmental education resources. Their internship will end in May 2023 as the last field trips wrap up and their school year comes to an end. Providing experiential learning opportunities to undergraduate students through internships can introduce them to career potentials and inspire them to pursue similar careers post-graduation. Additionally, internships can provide necessary experience to be competitive when applying for future opportunities in related fields.

Monterey Bay National Marine Sanctuary and Channel Islands National Marine Sanctuary Staff participate in SC MPA Collaborative Annual Co-chairs Retreat

The California Marine Protected Area (MPA) Collaborative Network hosted a 2 day meeting from Oct with the 14 MPA Collaboratives Co-Chairs. Lisa Uttal (MBNMS/Santa Cruz Collaborative) and Julie Bursek (CINMS/Santa Barbara Channel) represented two sanctuaries in California. MBNMS presented the new SC MPA Collaborative brochure. Time was also spent on drafting an indigenous peoples diversity statement as well as identifying Justice, Equity, Diversity and Inclusion goals for MPAs. Another meeting outcome was to outline better communication practices between and within the 14 MPA Collaboratives, co-chairs, and state agencies/statewide partners. Monterey Bay National Marine Sanctuary and Channel Islands National Marine Sanctuary have a variety of State Marine Protected Areas within or near its boundaries. Many of the same issues and messages for the state MPAs apply to the federal MPAs and where possible, joint messaging between federal MPAs and State MPAs is encouraged. Developing materials and programs



in collaboration with our local communities and in partnership with the CA MPA Collaborative Network support both sanctuaries and the State of California meet their outreach and education goals.

The Sanctuary Exploration Center is relaunching its First Friday Art and Science Events

First Friday is a monthly art tour, featuring local artwork and artist receptions at galleries and other spaces throughout Santa Cruz County. The Exploration Center will be highlighting artwork inspired by Monterey Bay National Marine Sanctuary to help inspire others to admire and care for our ocean ecosystems. These events will start in November, hosting Save Our Shores' annual Waves and Wildlife event featuring local photographers. Throughout the year we will also be hosting underwater photography from Patrick Webster, learn more about kelp restoration and the history of protected areas with Marc Shargel, be immersed in our sanctuary through dance with Amelia Nommensen, premiere artwork from science illustrator Claudia Makeyev, and get a closer look at plankton with Steve Mandel. Each month we will feature the artist, whose artwork will remain on display throughout the month. With these events we hope to engage more of the local community, build relationships with local businesses, and inspire the public to engage with the sanctuary in different ways. Community events not only attract new visitors to the Exploration Center, but also attract people to come back and learn more about Monterey Bay National Marine Sanctuary. Additionally, merging art and science allows people to learn and be inspired in new and creative ways, ultimately reaching a broader audience of future ocean stewards.

MBNMS Celebrates 50th Anniversary of NMSS

On Saturday and Sunday, October 22 and 23, MBNMS kicked off a series of fun ocean recreation activities to commemorate the 50th Anniversary of the NMSS in Santa Cruz. In partnership with Venture Quest Kayaks, 42 people participated in a kayak nature tour off the Santa Cruz Wharf. Other ocean recreation included stand up paddling and surfing with Clud Ed on nearby Cowell Beach, with 36 people registered. In addition, free sand castle building lessons were offered for families as a way to further engage with the marine environment in fun and creative ways. These experiences allowed families to form memorable connections to the National Marine Sanctuary System that is vital in creating ocean stewards for future generations.



Field Trip Kickoff Week at the Sanctuary Exploration Center

The Sanctuary Exploration Center hosted its first outdoor field trips since closing for the pandemic. On Wednesday, October 19th, the SEC hosted 27 fourth graders from Del Mar Elementary School for a Wharf Oceanography field trip. The next day, the SEC hosted 21 second graders from Bay View Elementary School for a Kelp Forest Investigators Field Trip. These field trips were accompanied by two new volunteers and one new intern from Cabrillo College. Teachers from these trips shared positive feedback about the program’s activities and students showed excitement and eagerness to visit the Exploration Center again with their families. Field trips provide a unique opportunity for students to engage with nature and learn about marine ecosystems. By using marine sanctuaries as a classroom, field trips can facilitate a greater sense of environmental stewardship amongst young learners.

MBNMS Volunteer Enrichment aboard the R/V Fulmar

On Monday, Oct 17th, 40 volunteers joined 6 staff for an enrichment opportunity aboard the R/V Fulmar. Volunteers from sanctuary visitor centers, Bay Net and Team OCEAN, and water quality monitoring programs were offered the chance to experience sanctuary wildlife as a way to celebrate the 50th anniversary of the National Marine Sanctuary System and connect with the natural resources they help protect through education, research and monitoring, and public outreach. Two 2.5 hour cruises were scheduled, and each offered calm seas, sunny skies, and exciting moments with humpbacks, orcas, sea lions, jellies, and seabirds. The volunteers felt inspired to continue their efforts to further protect and share their passion for ocean conservation. Field trips provide a unique opportunity for volunteers to engage with nature and learn about marine ecosystems while facilitating a greater sense of environmental stewardship and protection of our natural resources.



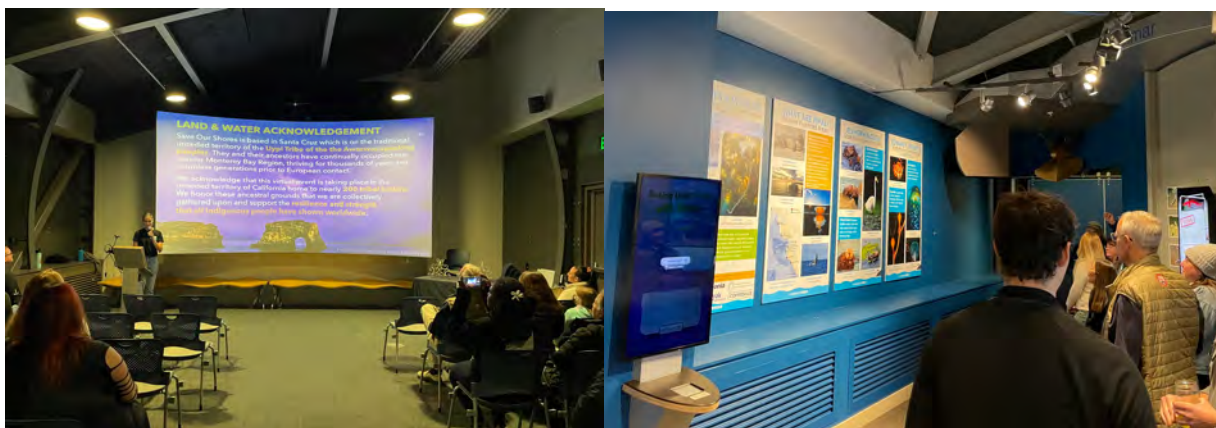
In-class Programs Kick-Off for CA State Parks Outdoor Equity Program Grant

The first in-class program of the school year was presented on Thursday, October 27 to a class of fourth graders at T.S. MacQuiddy Elementary School. This pre-trip program prepared the class for their upcoming field trip by introducing Monterey Bay National Marine Sanctuary and interpreting the impacts humans can have on our environment. Using the 3D watershed model, students could visibly trace how pollution flows into the sanctuary and could harm marine life. They were asked to brainstorm ways people in their community might positively or negatively affect the ocean and were very excited to monitor the health of the ocean firsthand on their upcoming trip. Many of the students were English Language Learners and benefitted from the use of Spanish and English within the lesson. The Outdoor Equity Program Grant connects underrepresented students in Watsonville to educators within Monterey Bay National Marine Sanctuary. These students are

provided with a unique learning opportunity that they may not otherwise have had access to if funding were not available. The Outdoor Equity Program brings engaging educational experiences to schools with low-income, minority student populations and shares the importance of protecting marine sanctuaries with students who have less experience interacting with nature.

Sanctuary Exploration Center Hosted First Friday with Save Our Shores

The Sanctuary Exploration Center Hosted about 38 visitors for our November First Friday event. Save Our Shores ran the event to display their Waves and Wildlife amateur photography competition submissions and winners, as well as educate about Marine Protected Areas. Images will be on display through the month of November. Community events not only attract new visitors to the Exploration Center, but also attract people to come back and learn more about Monterey Bay National Marine Sanctuary. Additionally, merging art and science allows people to learn and be inspired in new and creative ways, ultimately reaching a broader audience of future ocean stewards.



Sanctuary Exploration Center Report: October 8 - November 18, 2022

During the week of October 2-8, the Sanctuary Exploration Center had 531 visitors through regular open hours. It also ran its Toddler Time program during this week, which engages young children and their parents through ocean-themed storytime and crafts and welcomed back a returning volunteer docent. During the week of October 9-15, the Sanctuary Exploration Center had 580 visitors through regular open hours. It also welcomed one self-guided tour, and trained volunteers and interns on Field Trips, in preparation for the first school groups coming the following week. During the week of October 16-22, the Sanctuary Exploration Center had 498 visitors through regular open hours, including 2 school field trips and one facility rental. During this week, it displayed a special 50th Anniversary video loop, and new displays featuring the Sanctuary Stamps Collection and short essays from 4th and 5th grade students answering the question “What are your dreams for the next 50 Years of Ocean Protection.” The Sanctuary Exploration Center also welcomed a new Fall Docent Class of 5! During the week of October 23-30, the Sanctuary Exploration Center had 499 visitors through regular open hours, including 1 school field trip. During the week, it hosted the Ed Ricketts Memorial Award and Lecture, which brought an additional 40 people to the Exploration Center. During the week of October 29th-November 4th, the Sanctuary Exploration Center had 553 visitors through regular open hours, including one marine debris field trip and one self guided visit. The National Marine Sanctuary Foundation hosted a classroom facility rental for two days with civilians from the U.S. Air Force. Additionally, Save Our Shores hosted the Waves and Wildlife photo exhibition on the evening of November 4th, which was attended by 38 guests. During the week of November 6-12, 2022 the Sanctuary Exploration



A REPORT FOR THE SANCTUARY ADVISORY COUNCIL

Center had 448 visitors through regular open hours, including two Wharf Oceanography Field Trips, and multiple families attending Toddler Time. It also had the Homeless Garden Project meet in its classroom. During this week, the Sanctuary Exploration Center welcomed a new volunteer to their first shift and continued training new docents-in-training.

The Sanctuary Exploration Center's goals are: to educate visitors about the sanctuary's unique and fascinating coastal and marine environment, to foster a more personal connection with the sanctuary and the ocean's relevance in people's daily lives and to encourage stewardship of the sanctuary and a better understanding of how to responsibly enjoy and protect the ocean.

Coastal Discovery Center: October 8 - November 18, 2022

During the Coastal Discovery Center's open hours on October 14 and 16, 2022, the visitor center greeted 194 visitors which is a bit of a drop off from last weekend's 310 visitors. This is possibly due to the previous weekend being a 3 day weekend for many. The Coastal Discovery Center also interviewed a potential docent and led one docent-in-training tour. The weekend of October 21 through 23, the Coastal Discovery Center greeted 227 guests during the open hours of Friday, Saturday, and Sunday from 11:00-5:00. Three current volunteers helped out as docents this weekend and two documents completed training shifts. On Sunday, October 23rd, the Coastal Discovery Center hosted an event to celebrate the anniversary of the National Marine Sanctuary System, including free home-baked cookies by Michele, Sophia, and veteran docent Lisa. The CDC also screened the 50th anniversary themed short film series and held an ocean-themed scavenger hunt. This event not only offered local visitors and tourists the opportunity to engage with the importance of marine protection, but also offered the Coastal Discovery Center an opportunity to partner with State Parks interpreters to display local marine mammal skins/skulls as well as the Central Coast State Parks Association (CSSPA) who sold CSSPA themed merchandise. With the help of the staff and three volunteer docents, the CDC greeted over 100 enthusiastic guests.



From Friday, October 28 through Sunday, October 30, 2022, the Coastal Discovery Center greeted 140 visitors during its open hours from Friday October 28 through Sunday October 30th. Further, during the entire month the CDC recorded 1009 visitors in total. The CDC also partnered with CA State Parks Interpreters to host a school program for Pacific Valley School based out of Big Sur- this program included a presentation on the National Marine Sanctuary system for 12 students.

On Thursday November 3rd, the Coastal Discovery Center hosted two educational programs. One was led by Sophia and another was led by Michele. Sophia led a group of 12 highschoolers from Paloma Creek High School, an alternative education program based out of Atascadero, through a lecture on the national marine sanctuary system and pier oceanography. Michele met with Sean Anderson, Professor and Chair of the ESRM Program at California State University Channel Islands. His class of ten marine policy students had stayed at the Kenneth S. Norris Reserve in Cambria, and were exploring many sites and programs in the area, including Cal Poly's marine science program. Michele presented on the role of marine sanctuaries in marine policy and planning and gave them a tour of the Coastal Discovery Center. From Friday November 4th through Sunday November 6th, the CDC greeted 128 visitors with the help of two volunteer docents. Additionally, Sunday morning Michele and Sophia led a docent meet and greet with all current and docents-in-training as well as receive a safety lecture by Nick Chase, a State Parks law enforcement officer. The Coastal Discovery Center was open Saturday, November 12 and Sunday, November 13, 2022 and had 164 visitors. One docent had a third shadow shift and we also had one volunteer help out with a shift.

The Coastal Discovery Center's goals are to: encourage protection of the Sanctuary's resources through education and outreach, to increase public awareness and appreciation of our coastal environment, to allow visitors to learn about and understand the unique characteristics of the Monterey Bay National Marine Sanctuary, to create a sense of personal stewardship for California's coastal ecosystems, and to contribute knowledge and information shared among regional marine education research and resource protection.

NEWS COVERAGE

[We're All Wet! The Ancient Roots of Modern Water Recreation - National Marine Sanctuaries](#)

National Marine Sanctuaries - National Oceanic and Atmospheric Administration

There are lots of places to enjoy sustainable recreational fishing in national marine sanctuaries! angler at intertidal zone

<https://www.supplychaindive.com/spons/you-can-make-sustainable-maritime-shipping-choices/633433/>

You can make sustainable maritime shipping choices

<https://scripps.ucsd.edu/news/diving-seabird-science>

Diving into seabird science

[Finding Sanctuary | Thank you for sharing our journey - Santa Cruz Sentinel](#)

Santa Cruz Sentinel-Lisa Wooninck, along with Leon Panetta, Sam Farr, Fred Keeley, and me, who serve on the board of Monterey Bay National Marine Sanctuary Foundation and ...

<https://www.mercurynews.com/2022/10/09/god-dont-bite-me-again-how-two-shark-attacks-changed-everything-at-lovers-point/>

How two shark attacks changed everything at lovers point

<https://jazztimes.com/reviews/live/generations-merge-at-the-65th-monterey-jazz-festival/>

65th Monterey Jazz Festival-commemorated the nearby Monterey Bay National Marine Sanctuary's 30th anniversary,

<https://www.nrdc.org/experts/alison-chase/strengthening-our-national-marine-sanctuary-system>

Strengthening our National Marine Sanctuary System (NRDC)

[First West Coast Wind Farms Face Possible Blowback - WSJ](#)

A REPORT FOR THE SANCTUARY ADVISORY COUNCIL

Wall Street Journal... humpback whales as a national marine sanctuary—a move that could block the path of transmission cables from the floating platforms to shore.

[Speed limits in the ocean? Massive ships are killing endangered whales each year.](#)

USA Today (PDF available)-At the Channel Islands National Marine Sanctuary office, Hastings thinks most Americans would be glad to factor the value of whale's life into the ..

<https://www.santacruzsentinel.com/2022/10/15/rachel-kippen-our-ocean-backyard-preventing-violence-in-a-time-of-climate-change/>

Rachel Kippen, Our Ocean Backyard- Preventing violence in a time of climate change

[Sea Cos. Pay \\$9.1M To Settle Marine Sanctuary Damage Suit - Law360](#)

Law360-The Monterey Bay National Marine Sanctuary was designated in 1992 and encompasses about 6,000 square miles along 276 miles of coastline

<https://www.publicnewsservice.org/2022-10-20/water/on-clean-water-acts-50th-anniversary-issue-returns-to-supreme-court/a81146-1>

On Clean Water Act's 50th Anniversary, Issue Returns to Supreme Court

[National Marine Sanctuary system celebrates 50th anniversary - KSBW](#)

KSBW... advocating for the ocean,” said Ariana Acosta, a school program specialist at the Monterey Bay National Marine Sanctuary Exploration Center.

[Marine Protected Areas' Powerful “Spillover Effect” Helps Fish and Fishers - Bloomberg](#)

Bloomberg.com-King Sam, the director of the Palau National Marine Sanctuary, said a lack of data on tuna and other species in Palauan waters has proved a ...

[NOAA Awards USD 15 M for Climate Science, Community Resilience - Geospatial World](#)

Geospatial World-There is also provision for supporting the management of National Marine Sanctuaries and Marine National Monuments through better understanding of ...

<https://www.jdsupra.com/legalnews/boem-releases-final-sale-notice-for-6163607/>

BOEM Releases Final Sale Notice for CA Offshore Wind Lease (CA NMS)

[The Fight Against Pesticides in the Pajaro Valley - Good Times Santa Cruz](#)

Good Times Santa Cruz... the near future, the Pajaro Valley will be an organic farming sanctuary that functions much like the Monterey Bay National Marine Sanctuary.

[NOAA funds studies to help communities prepare for effects of climate change](#)

10News.com... Supporting the management of National Marine Sanctuaries and Marine National Monuments through better understanding of climate variability and ...

[Calendar of Events | First Friday offers monthly glimpse into Santa Cruz's art scene](#)

Santa Cruz Sentinel-Visitors explore both new and existing exhibits at the Sanctuary Exploration Center in Santa Cruz on Friday during the First Friday Art and ...

[Divers Definitely Have A Role In Helping National Marine Sanctuaries - DeeperBlue.com](#)

DeeperBlue.com-(Rachel Plunkett)--There's definitely a role for divers in establishing and maintaining National Marine Sanctuaries in US territorial waters.

[The Chumash Resume Their Obligation - Sierra Club](#)
Sierra Club-The co-managers of the nation's newest National Marine Sanctuary off Central California have ecosystem-management experience going back many ...

[3 must-see Northern California whale festivals in 2023 - The Mercury News](#)
The Mercury News

It all happens right off the diverse Monterey Bay National Marine Sanctuary. For those who want to get out on the water, several local outfits ...

Web Site (<https://montereybay.noaa.gov>)

★★ **Check out these MBNMS Advisory Council webpage links!** ★★

Advisory Council Meeting Agendas & Minutes
<https://montereybay.noaa.gov/sac/sacma.html>

Advisory Council User Group Newsletters (seats and working groups/sub-committees)
<https://montereybay.noaa.gov/sac/advisory-nwsltr.html>

*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.*

Follow MBNMS on [Facebook](https://www.facebook.com/MBNMS) (<https://www.facebook.com/MBNMS>), [Instagram](#) (@mbnms) and [Twitter](https://twitter.com/mbnms) (<https://twitter.com/mbnms>)

Get involved and stay informed!

To learn how to get involved in the Sanctuary visit:
<https://montereybay.noaa.gov/getinvolved/welcome.html>

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

MBNMS STAFF

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Dawn Hayes – Deputy Superintendent

Research

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Lisa Uttal – Education Specialist
Michele Roest – Program Coordinator & Community Liaison
Rebecca Gustafson – Volunteer Coordinator (SEC)
Sophia Barwegen – Program Specialist (CDC)
Christina Funck – SEC Gift & Bookstore Manager

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Bridget Hoover – Water Quality Protection Program Coordinator
Jenny Pensky – Agriculture Water Quality Coordinator
Jazmine Mejia-Muños – Resource Protection Specialist
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Program Operations

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Raymond Chisolm – Program Specialist

Get involved and stay informed!

To learn how to get involved in the Sanctuary visit:

<https://montereybay.noaa.gov/getinvolved/welcome.html>

Sign up for the MBNMS listserv to receive email notices about upcoming Sanctuary events, and public meetings of the Sanctuary Advisory Council and Working Groups:

<https://montereybay.noaa.gov/intro/elists.html>

Learn More About Your Sanctuary

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

To learn more about the Sanctuary Advisory Council please visit:

<https://montereybay.noaa.gov/sac/advisory.html>

The Office of National Marine Sanctuaries

Monterey Bay National Marine Sanctuary is one of 14 marine protected areas in the National Marine Sanctuary System encompassing 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:

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

- Contact Information -

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