## **OCA News Splash!**

November, 2015

Your Thank You Ocean Campaign

**Assignment: TYO** 

Have you checked out <a href="mailto:thankyouocean.org">thank You Ocean</a> is California's official ocean public awareness campaign and all OCA members are an important part of it! While you are on the site, go to the "Ocean Communicators Alliance" tab and check the <a href="mailto:member list">member list</a>. Make sure your organization, agency or company is listed, and if your link goes to the correct location. And don't forget the "tool kit" page, with great resources just for you. Also, let your web folks know that Thank You Ocean has lots of great material for posts, tweets and photos. Don't forget to like TYO on <a href="mailto:Facebook">Facebook</a> and follow on <a href="mailto:Twitter">Twitter</a>. Questions? Ask Sarah Marquis, <a href="mailto:sarah.marquis@noaa.gov">sarah.marquis@noaa.gov</a>.

#### Calling All OCA Members

### **Earth is Blue Campaign Wants YOUR Photos**

On October 23rd, NOAA's Office of National Marine Sanctuaries celebrated the one-year anniversary of #EarthIsBlue, an awareness and engagement campaign that shares a photo each day and a video each week celebrating our nation's underwater treasures. Watch the anniversary video featuring NOAA Administrator (and former astronaut!) Dr. Kathryn Sullivan and check out our photos at <a href="mailto:sanctuaries.noaa.gov/earthisblue.html">sanctuaries.noaa.gov/earthisblue.html</a>. For more information and to submit photographs for consideration for the campaign, contact <a href="mailto:elizabeth.weinberg@noaa.gov">elizabeth.weinberg@noaa.gov</a>.

# Attention Citizen Scientists and Ocean Community Members in the North Central Coast!

Do you participate in North Central Coast monitoring projects, or have a general interest in MPA monitoring? Ocean Science Trust invites you to share their insights via an online North CentralCoast Ocean Community Questionnaire. Information gathered will help us better understand local monitoring interests and priorities, and will inform community conversations about planning for a partnership-based approach to long-term monitoring in the area. Click here for more information about MPA monitoring in the North Central Coast.

## **EECapacity Conducting Survey on Size and Diversity of EE Field**

EECapacity needs your help on an important study to estimate the size and diversity of the environmental education field in America today. Your answers will help us understand the breadth, scale, and scope of environmental education and related fields and professions in the USA. The survey is anonymous and will take no more than 10 minutes to complete. Please also forward this request within your organization and to other environmental education related professional networks to which you belong.

If you have any questions, please contact Dr. Rupu Gupta, the lead researcher, at NewKnowledge: <a href="mailto:atrgupta@newknowledge.org">atrgupta@newknowledge.org</a> or 347-766-3399. To take the survey, please click this

link: https://newknowledge.az1.qualtrics.com/SE/?SID=SV\_cx89UVVsGeRsJCZ

# The NOAA Marine Debris Program's annual Art Contest for grades K-8 is now open!

Students can submit artwork from October 20th through November 30th. To help raise marine debris awareness year-round, we will feature contest winners in our 2017 Marine Debris Calendar to remind everyone that we can solve the marine debris problem every day!

For a complete list of contest rules and download the student entry form and art contest flyer visit:

http://marinedebris.noaa.gov/outreach/artcontest.html. For questions, please contact Asma Mahdi at <a href="mailto:asma.mahdi@noaa.gov">asma.mahdi@noaa.gov</a>. Sherry Lippiatt <a href="mailto:sherry.lippiatt@noaa.gov">sherry.lippiatt@noaa.gov</a>

#### **Hunt for Hidden Treasures in California's MPAs**

Geocaches are now hidden near 26 marine protected areas (MPAs) across the state! Geocaching, a real-world treasure hunting game using GPS, allows people of all ages to explore the coastline in search of the cache boxes and the treasures within. Each geocache box contains information about MPAs, a logbook to sign your name and fish magnets that are free for the taking. Follow this link (<a href="http://www.geocaching.com/seek/nearest.aspx?u=CA+Underwater+Parks">http://www.geocaching.com/seek/nearest.aspx?u=CA+Underwater+Parks</a>) for more information, including a list of the existing MPA geocaches. If your organization is interested in learning more about this project and the various ways you can get involved, from exploring, finding and promoting caches, to hiding one of your own or playing a facilitator role for a current cache, please contact us! Danielle Brown Danielle@CaliforniaMSF.org. Katelyn Sprofera Katelyn@californiamsf.org

## **Accepting Citizen Scientist Applications for FLOW**

FLOW (Follow and Learn about the Ocean & Wetlands) is Amigos de Bolsa Chica's Citizen Science Program. Participate in the collection of scientific data, learn more about coastal ecology, and get involved in environmental quality monitoring efforts. Meetings are on Fridays (times depend upon the tide) at the Bolsa Chica State Beach Visitor Center. We are also accepting Citizen Scientist applications for anyone interested –training is FREE; contact <a href="mailto:flow@amigosdebolsachica.org">flow@amigosdebolsachica.org</a>,

#### **Submit Your Nominations Now**

The Peter Benchley Ocean Awards are the world's preeminent ocean honors and are unique in acknowledging outstanding achievement across many sectors of society leading to the protection of our ocean, coasts and the communities that depend on them.

The Awards Selection Committee invites you to nominate candidates for the 9th Annual Benchley Ocean Awards, which will be held on May 20, 2016 at California's renowned Monterey Bay Aquarium. To date, we have recognized fifty-six exceptional ocean leaders as Peter Benchley Award winners across a broad range of ocean categories, including national stewardship, science, policy, media, solutions, exploration, youth and activism. The selection committee is focused on recognizing truly exceptional efforts, therefore not all categories are awarded each year. Thank you for taking the time to recognize those making exceptional contributions in marine conservation. All submissions must be received by November 20, 2015. To submit nominations, please click here to go to the online form.

#### News for You

## **Research Surrounding the Ballona Wetlands**

Recently published but just posted on The Bay Foundation site is the research paper "Stratification and loading of fecal indicator bacteria (FIB) in a tidally muted urban salt marsh". Stratification and loading of FIB were assessed in the main tidal channel of the Ballona Wetlands, an urban salt marsh receiving muted tidal flows, to (1) determine FIB concentration versus loading within the water column at differing tidal flows, (2) identify associations of FIB with other water quality parameters, and (3) compare wetland FIB concentrations to the adjacent estuary. Many additional studies and the latest info about the Ballona Wetlands Ecological Reserve can be found at <a href="http://ballonarestoration.org/">http://ballonarestoration.org/</a>.

## **Ocean Conservation Society Paper on Dolphins**

The Ocean Conservation Society research team just published a new paper on the effects of swimmers, kayakers, stand-up paddle boarders and surfers on coastal bottlenose dolphins off Los Angeles. Check out the paper here (first on top):

http://www.oceanconservation.org/research/publications.htm. Fandel Amber, Bearzi Maddalena, and Taylor Cook. 2015. Effects of Ocean Recreational Users on Coastal Bottlenose Dolphins (Tursiops truncatus) in the Santa Monica Bay, California. Bulletin of the Southern California Academy of Sciences 114(2): 63-75.

### **Update from Mission Blue**

The Mission Blue 2 voyage led by Dr. Sylvia Earle just returned from the Coral Triangle, an area some call "the Amazon of the ocean". Next month, we're trouping out to the Balearic island of Mallorca to amplify the call for further marine protection in those waters. We encourage you to follow COP21, which will be attended by a Mission Blue delegation led by Dr. Earle, and to promote the relevance of ocean issues in the climate talks (#OceanForClimate). Brett Garling <a href="mailto:bgarling@mission-blue.org">bgarling@mission-blue.org</a>

# West Coast National Marine Sanctuaries *Deep Coral Communities:*Sentinels of a Changing Ocean Educational Materials

Take your students on an incredible journey hundreds of feet beneath the surface of the ocean without ever leaving the classroom! Using NOAA research footage from remotely operated vehicles, your students will be able to utilize real scientific methods to explore the unique deep sea coral communities found in our West Coast national marine sanctuaries. These brand new educational materials are aligned with the Next Generation Science Standards and Common Core Education Standards and Ocean and Climate Literacy Principles. All materials are available to download from <a href="National Marine Sanctuaries Education web page">National Marine Sanctuaries Education web page</a> free of cost. For more information:

rietta.hohman@noaa.gov or laura.francis@noaa.gov

## White House Appoints Supervisor Cox to National Ocean Council Post

The White House has appointed <u>San Diego County Supervisor Greg Cox</u> to the <u>National Ocean Council's Governance Coordinating Committee</u>, a group that advises the President on ocean policy issues. Supervisor Cox was chosen for his service on the California Coastal Commission, his leadership of San Diego's growing Blue Economy and his advocacy on initiating Marine Spatial Planning. "I'm incredibly honored to be asked to serve the nation on this committee," said Cox. "Growing up in California, I have always had a love and respect for our oceans and coastlines and I will continue working to protect our big blue world." The National Ocean Council is charged with implementing

the National Ocean Policy, which was created by President Obama in 2010 to improve the health of our oceans, support our economy, bolster safety and security, and better understand how our activities impact the ocean. The Governance Coordinating Committee of the Council includes state, local and tribal representatives from across the nation. Supervisor Cox was nominated by the National Association of Counties and will serve a two-year term.

### Recent release of the Baylands Ecosystem habitat goals science update

The visionary report. "Baylands and Climate Change: What We Can Do", provides a road map for insuring that we have a resilient shoreline in the coming years with the projections for accelerating change. Fortunately for those of us who value wetlands and the habitat it provides, tidal marsh also appears to be the least expensive and most effective solution to rising seas and flood control. We have to act now if we want/expect these habitats to establish in time to combat rising seas. <a href="www.baylandsgoals.org">www.baylandsgoals.org</a> Caroline Warner <a href="www.cwarner@sfbayjv.org">www.baylandsgoals.org</a>

#### Mark Your Calendar

### Nov 4, Dec 2: Free Admission to Santa Monica Pier Aquarium

Admission to Heal the Bay's Santa Monica Pier Aquarium is free the first Wednesday of each month throughout 2015. The free days are sponsored by Wells Fargo, In celebration of Heal the Bay's 30th anniversary. The Aquarium, located at beach level beneath the Santa Monica Pier at 1600 Ocean Front Walk, is open Tuesday through Friday from 2 to 5 pm and on weekends from 12:30 to 5 pm. Learn more at <a href="www.healthebay.org/smpa">www.healthebay.org/smpa</a> or call <a href="mailto:310-393-6149">310-393-6149</a>. Randi Parent <a href="mailto:parent@healthebay.org">parent@healthebay.org</a>

## Nov 4: "The Sea Star Epidemic: An Arms Race for Marine Biodiversity"

7pm San Francisco State University's Romberg Tiburon Center presents the Rosenberg Institute Public Forum. Dr. Drew Harvell of Cornell University will present "The Sea Star Epidemic: An Arms Race for Marine Biodiversity". The Public Forum Series provides the opportunity and structure for the public to engage with nationally renowned scholars to deepen their understanding and awareness of environmental issues and solutions. Seating is limited, registration is required. More information at <a href="http://www.rtc.sfsu.edu/public\_forum/index.htm">http://www.rtc.sfsu.edu/public\_forum/index.htm</a>.

Erin Blackwood erin70@sfsu.edu

### Nov 5-8: Western Society of Naturalists Meeting (WSN 2015)

This year's annual Western Society of Naturalists (WSN) meeting will be held November 5th-8th in Sacramento, CA. As local host, Ocean Science Trust is helping to organize components of the meeting, highlighting "Marine Science Informing Management" and showcasing opportunities for WSN members' work to aid decision makers. Special topics include Evaluating Protected Areas, Long-term Monitoring for Long-term Change, Broadening Participation in Science, and Human Dimensions. The science presented here will be included in the upcoming North Central Coast "State of the Region" assessment--to be released later this month--which will provide a benchmark to inform science-based decisions for MPA management in the region. Register in person. More information at <a href="www.wsn-online.org">www.wsn-online.org</a>. #WSN2015 Contact: Hayley Carter, <a href="hayley.carter@oceansciencetrust.org">hayley.carter@oceansciencetrust.org</a> Laurel Kellner@oceansciencetrust.org

### Nov 7: Free Public Tour with Amigos de Bolsa Chica

Join the Amigos de Bolsa Chica for a free tour of the wetlands on the first Saturday of every month. Led by docents, participants will learn about the birds, endangered species, history, ecology, and restoration of the wetlands. The tours start from 9-10:30am and depart every 15 minutes from the footbridge in the South Parking Lot of the Bolsa Chica Ecological Reserve (across the street from the Bolsa Chica State Beach entrance, between Warner Ave. and Seapoint Drive). Email info@amigosdebolsachica.org for more information or call 714 840-1575.

### Nov 7, 8 and 14: Sharktober continues!

It is Sharktober and observations of white sharks along the coast are increasing. Shark Stewards is establishing a #SharkWatch Twitter network to immediately share observations of sharks, record confirmed sightings for a citizen science data base on <a href="INAturalist">INATURE INCREMENTALISM</a>, and educate the public on the importance of sharks for healthy oceans at the <a href="Bay AreaScience Fair">Bay AreaScience Fair</a> November 7, and <a href="FarallonIsland expeditions November 8">FarallonIsland expeditions November 8</a> and <a href="IAL">14</a>. Sharktober continues with Farallon Island wildlife expeditions, lead by Shark Stewards. Natural history vessel trips into the Greater Farallones National Marine Sanctuary. See a shark's eye view of the Bay, an educational interactive at the Bay Area Science Fair, AT&T Park, November 8. More at SharkStewards.org David McGuire <a href="Machine Bay Bay">McGuire sharkfilms@gmail.com</a>

# Nov 7: Native Garden Workday/Beach Cleanup at Cabrillo Marine Aquarium

Saturday, November 7 8 - 10am, join <u>CMA</u> in helping keep our Coastal Park ecofriendly and clean. Choose between helping to maintain our Native Garden and Salt Marsh areas (while learning about the importance of their plant and animal inhabitants) or cleaning marine debris off Cabrillo Beach. Groups wishing to participate are asked to call during business hours Monday through Friday at 310-548-7562. Meet at the steps in front of the John M. Olguin Auditorium. Fee: Free and open to all ages. Juliette McAllister juliette.mcallister@lacity.org

## Nov 7,8: Cabrillo Marine Aquarium Gift Shop: 7th Annual Holiday Preview

Saturday and Sunday, 10:30 am to 5:15 pm, the <u>CMA</u> Gift Shop will have 20 aquatic Christmas trees featuring marine animals, aquatic themes, and unique ornaments. Shop CMA for Christmas gifts and ornaments! Juliette McAllister <u>juliette.mcallister@lacity.org</u>

### Nov 7,8: Autumn Festival at Aquarium of the Pacific

9:00 a.m.-5:00 p.m., delve into the arts, cuisines, cultures, and marine environments of Asia during the Aquarium of the Pacific's fourteenth annual Autumn Festival. The Autumn Festival highlights the traditions and cultures of Japan, China, Korea, and the Philippines through a weekend of learning opportunities and family entertainment celebrating the rich diversity of Asian and Asian American cultures. Cost: General Admission--\$28.95 adult (12+), \$25.95 senior (62+), \$14.95 child (3-11), and free for children under age three and Aquarium members. Location: Aquarium of the Pacific, 100 Aquarium Way, Long Beach, CA 90802 Info/Tickets: 562-590-3100 or <a href="https://www.aquariumofpacific.org">www.aquariumofpacific.org</a> Adrian Samora <a href="https://www.aquariumofpacific.org">Asamora@lbaop.org</a>

## Nov 12: NOAA MPA Center Webinar: Ocean Parks and the 2016 NPS Centennial

1:00- 2:00 pm EA, 11:00 am- 12:00 noon PT. Speaker: Cliff McCreedy, Marine Resource Management Specialist, Ocean and Coastal Resources Branch, National Park Service. This webinar is part of NOAA's National Marine Protected Areas Center's monthly webinar series which is co-sponsored with EBM Tools Network. The series is focused on building and strengthening MPA networks. Register at:

## Nov 14: Tuna and Shark Soiree: Tracking Predators Across the Great Pacific

7:30- 9:30 pm, Jewish Community Center of San Francisco, 3200 California Street at Presidio Ave. Stanford University expert Dr. Barbara Block will present her latest cutting-edge research in an 8:30 pm lecture: "Sushi & Satellites: Saving our Blue Serengeti by Tracking Giant Tunas and White Sharks." By outfitting them with tracking tags, Dr. Block has collected unprecedented amounts of data about these fierce and swift - but imperiled - predators and their deep ocean habitats. Dr. Block is a TED speaker and recipient of a MacArthur Foundation "Genius" Award. Tickets \$20 includes reception - 2 complimentary beverages. Sara.heintzelman@noaa.gov or

(415) 561-6622 x237 Age minimum 16, space is limited. www.farallones.org/events

### Nov 14: NOAA Day at Aquarium of the Pacific

9:00 a.m.-5:00 p.m., find out what the National Oceanic and Atmospheric Administration (NOAA) does for you, our nation, and our world at this annual event. The event will feature interactive booths where you can learn more about a variety of NOAA programs, the ocean, and weather. Learn how NOAA, a government agency, works to understand and predict changes in Earth's environment to help protect people and property and to conserve and manage coastal and marine resources. Cost: General Admission--\$28.95 adult (12+), \$25.95 senior (62+), \$14.95 child (3-11), and free for children under age three and Aquarium members. Location: Aquarium of the Pacific, 100 Aquarium Way, Long Beach, CA 90802bInfo/Tickets: 562-590-3100 or <a href="www.aquariumofpacific.org">www.aquariumofpacific.org</a> Adrian Samora @lbaop.org

## Nov 14: Key to the Sea Educator Workshop at Cabrillo Marine Aquarium

9:30 am - 3:30 pm, learn how you can be the "Key to the Sea!" This beach-based education program teaches students about storm drain pollution, watershed stewardship and how we're all connected to the ocean. Key to the Sea field trips to Cabrillo Marine Aquarium are free and are for K-5th grade. Teachers are required to attend a full-day educator workshop in order to participate. The workshop provides curriculum and materials for classroom activities. For more information and to register for the workshop, visit <a href="www.healthebay.org/key2sea">www.healthebay.org/key2sea</a>. Fee: Free. Juliette McAllister <a href="juliette.mcallister@lacity.org">juliette.mcallister@lacity.org</a>

### Nov 15: Salt Marsh Open House with Cabrillo Marine Aquarium

2-4 pm, visit Cabrillo Beach's own wetland habitat, Salinas de San Pedro, and discover the plants and animals that call it home! Using binoculars, magnifying glasses and other tools, <a href="Mailto:CMA">CMA</a> Educators and volunteers will help you observe and explore this habitat. Or simply sit back, watch the tide change and listen to the birds and other wildlife. Fee: Free and open to all ages Juliette McAllister <a href="mailto:juliette.mcallister@lacity.org">juliette.mcallister@lacity.org</a>

# Nov 15: Science Sunday at Seymour Center: True Predators: A Real Understanding of White Sharks off California

1:00 pm. Taylor Chapple, Research Scientist, Hopkins Marine Station, Stanford University. White sharks have incredible offshore migrations and precise navigational abilities. They show complex courtship displays and behaviors. The past 30 years of science has redefined our understanding of these predators and their critical role for a healthy marine system. Join Taylor Chapple as he explores the truth about white sharks during this special Science Sunday—turning the conversation from fear and apprehension to one of true awe and appreciation. For more information: <a href="http://seymourcenter.ucsc.edu/learn/ongoing-education/science-">http://seymourcenter.ucsc.edu/learn/ongoing-education/science-</a>

sundays/ Or call: (831) 459-3800

## Nov 21: Sea Party Kick-Off Fundraiser

Blue Frontier invites you to an afternoon of food, fun, beverages, music and fine folks by the water. Sea Party West Coast Kickoff. 12-4 pm, Sausalito Cruising Club, 300 Napa St., Sausalito, CA. Comments by David Helvarg and special guests. RSVP <a href="mailto:Kathleen@bluefront.org">Kathleen@bluefront.org</a> or 202 387 8030.

## Nov 22, 28: Weekend Tidepool Walks with Cabrillo Marine Aquarium

Sun, Nov 22: 11:30am-1pm (en español 11-12:30 pm) and Sat, Nov 28: 2:30-4pm. Join us as <u>CMA</u> conduct tours of the Point Fermin Tidepools. Before the walk attend an informative slide show in the John M. Olguin Auditorium, then join the naturalist-led hike to see animals in their natural habitat. Outdoor clothing and sneakers advised. Young children must be accompanied by an adult. Fee: Free. Reservations required for groups; please call 310-548-7562. Juliette McAllister juliette.mcallister@lacity.org

# Nov 23: Lecture: Dr. Douglas McCauley "The Past and Future of Animal Loss in the Oceans" at Aquarium of the Pacific

7:00 p.m.-9:00 p.m. From elephants to monarch butterflies, the news is full of stories about the health of wildlife on land. But what is the status of animal life on the other 71 percent of our planet: our oceans? How are whales, sharks, and corals fairing relative to terrestrial wildlife? Douglas McCauley, a professor at University of California, Santa Barbara, will provide a brief history of the ways we have changed our oceans and will examine what the future of our impacts on the seas are likely to be. He will compare the health of ocean wildlife to the health of life on land and show that there is urgent need to help the oceans, but also great hope for success if we proceed intelligently.

Cost: \$5 for the public, and free for members, teachers, seniors (62+), and students with valid ID and advance reservations. Location: Aquarium of the Pacific, 100 Aquarium Way, Long Beach, CA 90802 Info: 562-590-3100 or <a href="mailto:aquariumofpacific.org">aquariumofpacific.org</a> Adrian Samora <a href="mailto:ASamora@Ibaop.org">ASamora@Ibaop.org</a>

### **Nov 24: American Cetacean Society Lectures**

7:30pm, the American Cetacean Society/Los Angeles Chapter offers free monthly lectures in the John M. Olguin Auditorium on the last Tuesday of each month (except December) through May. For information and scheduled speakers, visit: <a href="www.acs-basele.org">www.acs-basele.org</a> Juliette McAllister <a href="mailto:juliette.mcallister@lacity.org">juliette.mcallister@lacity.org</a>

## Nov 24, 25, 26: California King Tides

Starting around 9 am but varying across the state, expect some of the highest tides of winter. Via smartphones and social media, we invite you to document "king tides" – the highest high tides of today, which will be the average water levels of the future. Everyone is welcome to participate! Our shores are constantly being altered by human and natural processes and projections indicate that sea level rise will exacerbate these changes. King Tides images offer a living record of the changes to our coasts and shorelines and a glimpse of what our daily tides may look like in the future as a result of sea level rise. Over dates are December 22, 23, 24 and January 21, 22. Learn more at http://california.kingtides.net/.

## Nov 26: Thanksgiving Lunch at Aquarium of the Pacific

11:00 a.m.-5:00 p.m., come gobble gobble with the sea otters and the entire Aquarium family. You and your family can meet over 11,000 animals from the world's largest

ocean, and savor a traditional Thanksgiving buffet in the Aquarium's Café Scuba.Cost: General Admission--\$36.00 adult (12+), \$27.00 child (3-11), Adult Members-- \$26.00, \$17.00 for children. Location: Aquarium of the Pacific, 100 Aquarium Way, Long Beach, CA 90802 Info/Tickets: 562-590-3100 or <a href="www.aquariumofpacific.org">www.aquariumofpacific.org</a> Adrian Samora <a href="mailto:ASamora@lbaop.org">ASamora@lbaop.org</a>

### Nov 28: Free Bird Talk & Nature Walk with Amigos de Bolsa Chica

Join the Amigos de Bolsa Chica for a free Bird Talk & Nature Walk on the last Saturday of every month! Considered one of the prime birding sites of Southern California, the Bolsa Chica Wetlands is home to over 200 species of birds. The walk takes place from 9-11am and departs from the South Parking Lot of the Bolsa Chica Ecological Reserve (across the street from the Bolsa Chica State Beach entrance, between Warner Ave. and Seapoint Drive). Visitors are encouraged to wear comfortable shoes and bring binoculars. Email

info@amigosdebolsachica.org to reserve a spot.

### Nov 28: Native Plant Gardening with Amigos De Bolsa Chica

On the 4th Saturday of each month, come join the Amigos De Bolsa Chica for cleaning, gardening and planting at the Bolsa Chica State Beach Visitor Center. Volunteer hours are from 9am -12noon. Located just north of the entrance to BC State Beach, across from BC Ecological Reserve South parking lot, between Warner Ave. and Seapoint Drive. Wear closed toed shoes. Tools and instructions are provided. Come help make a difference in your local community and wetlands! Email

info@amigosdebolsachica.orgto reserve a spot

# Dec 1, 2, 3: Save the Date! North Central Coast "State of the Region" Community Gatherings

Ocean Science Trust invites members of the North Central Coast ocean community to join us during the first week of December for the release of the State of the North Central Coast Region Assessment. Each community gathering will provide the opportunity to learn more about the results of the North CentralCoast MPA Baseline Program, and to engage in a thoughtful exchange about local partnerships and capacity as we look ahead to the next phase of monitoring in the region. Gualala, Tuesday, December 1; Bodega Bay, Wednesday, December 2; and Half Moon Bay, Thursday, December 3, 5:30-7:30pm. Event locations and additional details will be announced

soon on <u>OceanSpaces.org</u>. Contact: Dina Liebowitz, <u>dina.liebowitz@oceansciencetrust.org</u> Laurel Kellnerlaurel.kellner@oceansciencetrust.org

# Dec 3: Fourth Annual Holiday Lighthouse Lighting Ceremony and Celebration with O'Neill Sea Odyssey

From 5 to 6:30 PM on Thursday, December 3 in the Crow's Nest Harbor Room (new location), the 4th annual Holiday Lighthouse Ceremony & Celebration will be held to benefit O'Neill Sea Odyssey (OSO). The event will cost \$50 per person, payable at the door. Space is limited and RSVPs are required. OSO engages 4th - 6th grade youth with a hands-on science education field trip on a 65-foot catamaran on Monterey Bay and in a shore-side education center, in addition to ocean science curriculum provided for use in the classroom. It is free, and each class completes a community service project. To reserve your space, please email Dan Haifley at <a href="mailto:dhaifley@oneillseaodyssey.org">dhaifley@oneillseaodyssey.org</a>

by December 1.

## Dec 4: AltaSea/Cabrillo Marine Aquarium Discovery Lecture Series: The Future of Food from the Sea

7:00 pm - 9:00 pm. Speaker: Dr. SteveGaines, Bren School of Environmental Science and Management, UC Santa Barbara. By the middle of this century, we project that global demand for animal protein will double from where it is today. Where will all this food come from? What will be the environmental impacts of such a large growth in demand? The sea has the potential to play a key role by making fisheries more productive and enhancing the development of sustainable aquaculture. The Sustainable Fisheries Group at UCSB is exploring ways to enhance seafood production while simultaneously benefiting ocean ecosystems. This talk will explore the benefits of getting more food from the sea and the paths we can take to get there. Dr. Gaines' research focuses on marine ecology and conservation, sustainable fisheries, the design of marine reserves and the impact of climate change on ocean ecosystems. Professor Gaines is the Dean of the Donald Bren School of Environmental Science and Management at UCSB. He has served as director of the UC Santa Barbara Marine Science Institute, and as UCSB Acting Dean of Science and Acting Vice Chancellor for Research. Professor Gaines currently serves as science advisor for the Joint Ocean Commission. Fee: Free Juliette McAllister juliette.mcallister@lacity.org

Ocean Communicators Alliance: "Creating a Strong Voice for the Ocean in California"

The California Ocean Communicators Alliance is a group of more than 300 professionals in ocean-related organizations, agencies and businesses who, in the course of their work, reach millions of Californians with ocean messages. NOAA Office of National Marine Sanctuaries, the California Natural Resources Agency and aquarium partners organized and support the California Ocean Communicators Alliance. OCA members collaborate on common ocean messages and promote the Thank You Ocean public awareness campaign.

OCA News Splash! is a way for OCA members to share news electronically.

The items in OCA News Splash! are submitted by individual OCA members, and do not necessarily reflect the opinion of NOAA Office of National Marine Sanctuaries or California Natural Resources Agency.

OCA members: submit your OCA News Splash! items to Sarah Marquis at marquispr@earthlink.net or sarah.marquis@noaa.gov

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thankyouocean.org