

**MONTEREY BAY NATIONAL MARINE SANCTUARY  
ADVISORY COUNCIL**

**Member Announcements**

**August 15, 2019**

**Half Moon Bay Yacht Club, Half Moon Bay, CA**

**Non-Governmental seats**

**At-Large southern region**

*P.J. Webb (primary)*

Current Seat Activities

Get Into Your Sanctuary Day at San Simeon

- The weather could not have been nicer, and dolphin, seals, sea otters and pelicans showed up in the bay to the delight of hundreds of visitors who came to fish, collect and examine plankton, and look for marine birds and mammals. An interactive GIYS scavenger hunt was held inside the center and in the park. Families worked together and visited the Sanctuary map, the pier, the beach, the whaling exhibit and various exhibits inside the center, figuring out the answers to the questions together. A marine mammal station was set up near the shore whaling exhibit. Fishing off the pier was very successful. The Cambria Fishing Club recreational fishers brought gear and helped families set up donated gear to fish. California Jack Smelt were the fish of the day and the looks on the kids' faces catching their first fish were priceless!
- We had about 135 people in the Center, and another 100 plus people outside on the pier. Thank you to partners CA State Parks, CA Dept. of Fish and Wildlife, the Cambria Fishing Club, Seabird Protection Network, Pacific Wildlife Care and interns from Piedras Blancas Light Station. Carolyn Skinder put together the creative schedule of events aided by Ali, Kitty and our Coastal Discovery Center (CDC) docents - Patti, Leslie, Kathlene, Ron, Julie, Vern, Janice and PJ. The CDC docent team kept busy taking pictures, encouraging kids to partake in scavenger hunts and sidewalk chalk art, manning fishing and plankton stations on the pier, educating visitors, making MBNMS "wish rocks" and collecting surveys. A great time was had by all!

Your Constituent Challenges and Concern

Ongoing concerns about water supply issues and climate change coastal impacts for Cambria and San Simeon

**Business/Industry**

*Tom Rowley (alternate)*

Current and Upcoming Activities

Continue ongoing activities / liaison with local business and gov't organizations, including MP Chamber of Commerce (MPCC), MC Hospitality Association (MCHA), MC Association of Realtors (MCAR), MP Chapter of Military Officers Association of America (MOAA), MP Council of Navy League, Monterey Bay Defense Alliance (MBDA), & especially City Council and Staff of the City of Monterey. In particular, Page 6 of the "Sanctuary Office Report" for the period May 25, 2019 to July 26, 2019 summarized the Monday June 17, 2019 "Public Information Session" held jointly by the MBNMS and the City of Mtry at the Mtry Conference Center (MCC). IMO, this was a very successful event with superb moderating by Superintendent Paul Michel and supplemented by 8 expert participants from a range of gov't agencies involved in cruise ship visits to the MBNMS and the port of Monterey. An outstanding 2-hour video of the event was made and has been re-broadcast on almost a daily basis on COMCAST AMP Channel 25 on the MP. This video can be accessed via the City of Monterey web site: [www.monterey.org](http://www.monterey.org) or contacting the MBNMS office at (831) 647-4201.

Comment: Despite facts presented during the event, two members of the public appeared at a City of Monterey City Council meeting recently to "lobby" against cruise ship visits to the Sanctuary and specifically to the port of Monterey. One statement by a Monterey resident (who is also a member of the MBNMS Advisory Council)

charged "massive contamination" during her oral comments before the City Council. Because of misleading statements like this and other inaccurate info spread recklessly by opponents of cruise ship visits to Monterey, I expect this organized dis-information "campaign" will need to be countered with real facts at future public meetings in the months and years ahead to insure the public is not mis-led by the cruise ship opponents... Furthermore, it remains to be seen if "education" with actual facts, i.e. details of current rigid regulations and ship inspection programs, will have any impact on the cruise ship naysayers?

#### Challenges and Concerns

A. The economy of the Monterey Peninsula (MP) and Monterey County is now challenged by the "deadline" from the State Water Resources Control Board (SWCBCB) for construction to begin by September 30, 2019 on the proposed Cal-Am Water (CAW) desalination project, which is the key long-term sustainable water supply project for the MP. The ongoing expansion of Aquafer Storage & Recovery (ASR) and completion of the Groundwater Recycling (GWR) aka Pure Water Mtry (PWM) project (now delayed, but expected to be operational by the end of 2019) are the other two other major components of the 3-legged "stool" called the "MP Water Supply Project" (MPWSP). Please refer to the website [www.MPWSP.org](http://www.MPWSP.org) and also to my member report on pp. 10 & 11 of the "draft" Minutes for the June 21, 2019 SAC meeting held at Cambria for add'l details.

Comment: An adequate potable water supply is absolutely critical for the current and future local economy -- for small and medium-sized businesses, for all types of housing, for maintaining military facilities, and for sustainable tourism.

B. The potential for a future Base Realignment & Closure (BRAC) action by the Federal Gov't poses another unique challenge to existing military facilities in Mtry County. This includes Naval Postgraduate School (NPS) / Fleet Numerical Meteorological and Oceanographic Center (FNMOC) -- along with co-located Navy Research Lab (NRL) & National Weather Service (NWS) facility) -- all on the MP and Fort Hunter Liggett in South County. Link to the community-wide organization "Monterey Bay Defense Alliance" (MBCDA): [www.monterey.org/montereybaydefensealliance/](http://www.monterey.org/montereybaydefensealliance/)

Comment: The next quarterly breakfast meeting of the MBDA is sked for Wed August 21, 2019 at the MCC. For add'l info, contact Mike Clancy, Military Affairs Coordinator in City-Mgr Office of Mtrye: [Clancy@monterey.org](mailto:Clancy@monterey.org) OR (831) 235-5436 (Cell).

C. The challenge of pursuing a separate "Sanctuary Visitor Center" in Monterey or on the MP to supplement the existing two visitor centers: Sanctuary Exploration Center in Santa Cruz and the Coastal Discovery Center at San Simeon is a personal goal of mine... Annually, millions of visitors come to the MP & MC to see Fisherman's Wharf, Whale-Watching, MB Aquarium, Steinbeck Center in Salinas, 17-Mile Drive in Pebble Beach, quaint Carmel-by-the-Sea, Point Lobos State Park, Carmel Valley, and the Big Sur Coast. The potential for educating both our day and over-nite visitors on all the unique aspects of the MBNMS and the other 12 National Marine Sanctuaries provides an almost unlimited opportunity... but that opportunity is now largely wasted...

Comment: I do recognize that a new Sanctuary Visitor Center in Mtry will not occur over-nite OR any time soon; however, I will continue to lobby personally, especially elected officials at all levels, to achieve an accessible and what I believe would likely be a very successful Sanctuary Visitor Center on the MP!

#### **Commercial Fishing**

*Kathy Fosmark (primary)*

The Alliance of Communities for Sustainable Fisheries has provided grant funding to determine if the monitoring programs for the state's network of marine protected areas allows for an evaluation of the success in meeting the six goals of the Marine Life Protection Act. What goals are being met, and what are not? The

University of Washington has been contracted for this independent evaluation. The study results should be published in a peer-reviewed scientific journal in the next six months.

## **Conservation**

*Katherine O'Dea (primary)*

### Current Seat Activities

- Plastics continue to be a major focal point for the regional conservation community and multiple groups are coordinating and collaborating to seek action from local (City Council) and Regional (Board of Supervisors) legislators. There are also a number of plastics related bills making their way through the state legislature.
- I attended the UNWRAPPED conference June 12 – 14 in Scotts Valley with representatives from around the world who gathered to discuss the human impacts of toxins, carcinogens, endocrine disrupters, obeseogens, currently allowed to be integrated into plastic packaging. Studies are alarming and issues is very complex, e.g., high doses of some chemicals are not necessarily worse the low doses, certain chemicals can “transform” during recycling processes in wind up in recycled products with unknown and unexpected consequences. Additionally, the science lags the advocacy groups urgency for action so communicating the known facts accurately can be difficult as we try to create messaging people can relate to.
- The conservation community is also very interested in the topic of cruise ships entering and anchoring in the Monterey Bay. Some organization are taking a hard stand against cruise ship visits. Others have not yet taken a public position. A meeting in Monterey on June 17<sup>th</sup> seeks to inform the public about the issue with perspectives shared by a number of agencies and organizations.
- June is World Ocean's month. In Santa Cruz, Save Our Shores led the community for a series of events during World Ocean's week (June 2<sup>nd</sup> – 8<sup>th</sup>) with a screening of the film Blue followed by a discussion of the movie with panelists Gary Griggs, Dan Haifley, Jason Scorse and Felicia Van Stolk. Save Our Shores also organized a March for the Ocean on the water (via paddle craft) in Monterey and on land from Lighthouse Point to Cowells Beach in Santa Cruz. Event speakers (in Santa Cruz) included Assemblymember Mark Stone, and former state Secretary of Natural Resources John Laird among others.
- Save Our Shores as well as the Coastal Watershed Council and Seymour Center, which are also based in Santa Cruz are recruiting for environmental educator positions. SOS is close to a hire; the others are in early phases of recruitment and still accepting applications.
- Efforts across the conservation community to oppose the trump administration's/BOEM's offshore oil and gas drilling plan are in a bit of a holding pattern following Secretary Bernhardt's announcement to put a final decision regarding locations to be open to new leases on “indefinite” hold. Conservation groups, both locally, regionally and across the state are continuing to monitor the situation and there are efforts underway to get ordinances, similar to the 26 already in place throughout the state, that would prohibit the construction of any on-shore infrastructure that would be required to support offshore drilling. SAC members Dan Haifley and PJ Webb are working with representatives from community in SLO county to ensure all the communities in SLO have protective ordinance. Other members of the Protect the Pacific Coalition are working in high priority communities in Southern California.

### Upcoming Activities

June was a busy month with World Oceans celebrations/events. July appears to be less busy. However, ramp up for Annual Coastal Cleanup day (our local name for International Coastal Cleanup day) begins. With support from a number of other local organization Save Our Shores will host between 65 and 80 cleanup events that day (September 21, 2019).

### Miscellaneous Information:

On June 26<sup>th</sup>, Save Our Shores staff will be attending a NOAA sponsored workshop related to Behavior Change and Marine Debris. I'll share more on that in next report (if I'm still on the SAC) or through the new Conservation Primary if someone else is elected to the seat.

## **Diving**

*Brian Nelson (primary)*

Current Seat Activities

Newsletter readership/active emails at 2,960 at an open rate of 34%

Upcoming Activities

DEMA, Dive Equipment Manufacturers Association comes to Orlando this November. Great seminars, great exposure to the manufactures, Dive Travel, SCUBA technician classes, and more. For everyone and anyone who is passionate about the diving industry. Whether you're a loyal attendee or this is your first DEMA Show, the Show is a MUST-attend event if you want to experience the latest industry trends and develop business and professional relationships in a face-to-face setting unlike any other. DEMA WEBSITE

AUGUST 22-25, 2019

JOIN US FOR A WEEKEND OF UNDERWATER FUN IN MONTEREY, CALIFORNIA!

The Monterey Shootout is an underwater photo competition focused on fun, education, and the goal is to inspire new underwater image-makers. NCUPS has been running this weekend long event for 35 years. Are you new to underwater photography or Monterey diving? Come meet a supportive group of die-hard Monterey divers, learn new shooting techniques in our shooting seminars, and maybe even discover a new dive site. Our friendly shooting competition not only rewards advanced shooters with amazing prizes, but also bestows fantastic prizes to the newest shooters in the ranks.

Assistance or Request of SAC Executive Committee

A letter from the SAC encouraging and motivating CDFW to move forward on permitting an Artificial Reef for Monterey Bay

Related Web Links

DEMA <https://www.demashow.com/DEMA19/Public/MainHall.aspx>

Photo Shoot Out <http://www.montereyshootout.com/>

*Keith Rootsart (alternate)*

Current Seat Activities

- G2KR urchin experiment is doing very well. We experienced a lot of urchin migration on our targets but with each pass it becomes more stable. We have giant kelp growing on 3 of our targets. We completed our 4<sup>th</sup> pass on the targets including a full suite of Reef Check protocols on all 20 targets.
- We amended the MBNMS permit to include the use of temporary buoys that we use for locating the targets and for deploying a tripod for time-lapse videos.

Upcoming Activities

Continued work on the RCCA Urchin Experiment and work on analyzing results.

Your Constituent Challenges and Concerns

- Urchin barrens continue to trend and increase in size. Our historic baseline of .04 urchins/square meter is now 21 and it doubled in the last year. The kelp forest outside the MBA is loaded with urchins.
- There have been several 8'-12' great white shark sightings lately between Coral Street and the Breakwater. One theory is that the lack of kelp forest is causing sharks to approach closer to shore and makes them easier to see. This makes it kind of scary kicking out from shore on the surface and even scarier diving with a DPV.
- Rough conditions have caused Reef Check to cancel four shore-based shore surveys in a row this year, more than ever before. It has been a real challenge to get work done when the weather doesn't cooperate.

#### Assistance or Request of MBNMS Staff

- I may need assistance from Paul Michel in writing a letter to CDFW to assist in gaining permission to do kelp restoration in the future.

#### Related Web Links

[www.g2kr.com](http://www.g2kr.com)

#### **Recreational Fishing**

*Jose Montes (alternate)*

##### Current Seat Activities

- Developing a web-based newsletter aimed at the recreational fishing community and related groups, businesses and enthusiasts.
- Reaching out to recreational anglers to establish an e-mailing list. First by presenting the existence of the online newsletter, once developed, asking them to subscribe. Also by posting requests for participation through posts on various recreational fishing club websites; specifically, those whose members fish in and around the MBNMS, e.g., Coastside Fishing Club; Full Speed Fishing; NorCal Kayaks: Monterey Bay Anglers; Monterey Bay Fishing Enthusiasts, etc.
- Work on oral/video presentation for October meeting.

##### Upcoming Activities

- Participating in Monterey Bay Veterans Wheelchair Rockcod Derby. Saturday October 5, 2019 Monterey Breakwater Marina. Disabled veterans will be offered free participation in a Fishing Derby. Chartered Party boats and volunteer private boats will be utilized. A banquet will be held afterward at 2 pm at the American Legion Post in Seaside where an extensive list of donated prizes from local businesses and individuals will be given out.
- Attending Coastside Fishing Club Annual Fundraising Dinner, September 21, 2019. It will be held at the San Mateo Elks Lodge, 229 W 20<sup>th</sup> Ave, San Mateo. There will be a dinner and Silent Auction as well as an Open Auction of Donated items, fishing trips and lodging or resort accommodations.

#### Your Constituent Challenges and Concerns

From one constituent; “We have long complained about how the Sanctuary, while not directly regulating fishing, does impact our ability to fish. There are a number of Sanctuary regulations, that if enforced would not allow us to fish - such as those dealing with invasive species - the way the regulation is written, it is illegal to use chicken parts as crab bait if you throw the used bait into the water after retrieving your pots marine sanitation devices - there is no exception for small boats - kayaks, are required to have them if they are used in Sanctuary waters gutting and gilling of fish - IS allowed IF caught in Sanctuary waters, but not if caught outside - so what about tuna caught offshore...?”

While the Sanctuary has long said that they do not intend to enforce these such that recreational fishing would be impacted - then why not change them to make them fishing friendly? They have simply said no to changes. But it is bad policy to have regulations that you don't intend to enforce”.

#### Assistance or Request of SAC Executive Committee

Currently working with Brian Nelson to help me get an online newsletter for Recreational Fishing using the established format for the Diving newsletter.

#### Assistance or Request of MBNMS Staff

Continue their remarkable job in planning and logistics for meetings. Will also be asking for assistance with proofreading and communications.

## Related Web Links

<http://mbv.org/2019/06/29th-annual-wheelchair-rock-cod-fishing-derby/>

<https://mail.google.com/mail/u/0?ui=2&ik=4a64cb89a5&attid=0.1.3&permmsgid=msg-f:1640685117476436481&th=16c4e26bef73fa01&view=att&disp=safe>

Miscellaneous Information: This has been a banner year for salmon fishing within the MBNMS. Beyond the cyclical migrations, the resources have been aided by Hatchery Salmon releases. The Coastside Fishing Club alone released 720,000 smolts in Half Moon Bay this year. Their acclimation of the smolts in pens in the harbor with eventual towing of the pens to open waters for release have minimized the mortality rate for the smolts. Halibut catches have also been great from Santa Cruz to Monterey this year. There has been an abundance of bait species in the bay this year as evidenced by the number of whales spending time in our waters.

## Research Activity Panel Working Group Update

The MBNMS Research Activity Panel (RAP) meets five times each year in January, March, May, September and November. The RAP has not met since the June Advisory Council meeting.

The following are summaries of research projects in the sanctuary that provide information relevant to current resource management issues.

### Deep-water fish relies on drift kelp

Fish samples collected by RAP member Greg Cailliet and Moss Landing Marine Labs graduate students in the mid-1970s were analyzed for a recent study of a deep-water fish called the Persimmon Eelpout. The study suggests that these fish rely for food and shelter on drift kelp that moves along the sea floor and into the Monterey Canyon from nearby kelp beds. This is an interesting finding in light of the recent dramatic declines in kelp observed along the coast.

More information and peer-reviewed publication:

<https://link.springer.com/article/10.1007%2Fs10641-019-00896-1>

### Update on the condition of Monterey Bay kelp forests

In collaboration with the US Fish and Wildlife (Tim Tinker) and the Monterey Bay Aquarium's Sea Otter Research Program (Michelle Staedler), the PISCO Subtidal research program at UCSC (Mark Carr) has been studying the patterns and mechanisms of kelp forest resiliency in Monterey Bay. Giant kelp (*Macrocystis*) forests along the Monterey Peninsula and areas of Carmel Bay have declined dramatically since the inception of the Sea Star Wasting Syndrome (2013) and the Marine Heatwave (2014). In response to declines of predators (the giant sunflower star) and food availability (giant kelp), outbreaks of purple sea urchins have deforested many nearshore rocky reefs. PISCO has monitored changes in the communities as reefs transitioned from forests to "urchin barrens," and is exploring the role of predators (sea otters and rock crabs) and disease in bringing urchin numbers under control. To date, sea otters have contributed to maintaining the remaining forests by increasing their predation on sea urchins, but are not feeding on sea urchins in barrens areas. This is likely due to the poor food quality of urchins in barrens. Experimental comparisons (lab and field) of sea urchin behavior and mortality in the presence and absence of rock crabs indicate that rock crabs are voracious predators of sea urchins, including those collected from barrens habitat. Continued monitoring of sites along the Monterey Peninsula indicate two intriguing patterns: forests of bull kelp have established in the absence of giant kelp, and giant kelp is now reestablishing at sites where purple sea urchin numbers have declined dramatically. We still don't know the cause of these declines in purple urchins.

### Patterns of rockfish dispersal relative to Marine Protected Areas

A recent study involving the collaboration of geneticists at the National Marine Fisheries Service in Santa Cruz (Carlos Garza, Eric Anderson, Diana Baetscher), marine ecologists at UCSC (Mark Carr, Dan Malone, Emily Saarman) and oceanographers at UCSC (Chris Edwards, Anna Lowe, Patrick Drake) has described patterns of dispersal of larvae of the kelp rockfish between study sites in Carmel Bay and southern Monterey Bay. Using genetic tags that link recently settled juveniles with their parents, several patterns of dispersal were identified.

Though models indicate that many of the young produced at the study sites depart from the study region and many that are delivered to study sites are born outside the study region, the team recorded young that dispersed from Carmel Bay to southern Monterey Bay, and vice versa, while other young have settled back in the areas where they were born. Thus, populations are simultaneously replenishing others along the coast while also replenishing themselves.

Dispersal was recorded from marine protected areas (MPAs) to other MPAs and to fished populations in between MPAs. More information on these results are presented in:

Baetscher, D.S., Anderson, E.C., Gilbert-Horvath, E.A., Malone, D.P., Saarman, E.T., Carr, M.H. and Garza, J.C. 2019. Dispersal of a nearshore marine fish connects marine reserves and adjacent fished areas along an open coast. *Molecular Ecology* 28:1-13.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/mec.15044>

## **Governmental Members**

### **Harbors Seat Update**

San Mateo County Harbor District continues development to move toward action on the Surfer's Beach nourishment project. There are recruitments underway for the General Manager of the District and the Harbormaster for Pillar Point. Santa Cruz Harbor has been busy with summer activities and some projects including demolition of the Aldo's Restaurant building structure to facilitate necessary preparations for installation of a new sheet pile seawall. There is also a pile removal and replacement project, in phase 2, which will replace approximately 80 aged / worn piles by November 30, 2019. In the Moss Landing Harbor District, Tommy Razzeca takes the helm as the new Harbormaster after Linda McIntyre's retirement. Moss Landing has been busy with an active fishing season for Salmon and now Halibut. They will begin dredging in a few weeks in order to complete the project by the end of November. Monterey Harbor hosted the "Potter Yachters" and the Laser Master's Nationals regattas and has been enjoying a busy summer season. Squid fishing has been slow this year and anchovies have been the predominant wetfish catch at the Monterey Municipal Wharf.

### **California Environmental Protection Agency**

2019 Review of the Water Quality Control Plan for Ocean Waters of California

State Water Board staff is conducting the 2019 Review of the Water Quality Control Plan for Ocean Waters of California (Ocean Plan). Staff released the draft 2019 Ocean Plan Review Staff Report and Work Plan for public comment on June 24, 2019. The public comment period closed on August 8, 2019, at noon. Staff is aiming to take this item to the Board for consideration of adoption in December 2019.

[https://www.waterboards.ca.gov/water\\_issues/programs/ocean/](https://www.waterboards.ca.gov/water_issues/programs/ocean/)

### **Free Drinking Water Well Testing for Central Coast Residents**

The Free Drinking Water Well Testing program for Central Coast Residents is now scheduling appointments in San Benito County for August 19 and beyond.

The purpose of providing Free Drinking Water Well Testing for Central Coast Residents is to educate residents about the quality of their drinking water and evaluate if current and/or past land uses and practices are loading specific constituents to groundwater. Groundwater and surface water physically overlap at the groundwater/surface water interface through the exchange of water and chemicals. Evaluation of this data will provide critical information regarding water quality impacts to the sanctuary.

<https://sites.google.com/view/ccgroundwater>

### **California Department of Fish and Wildlife**

The recreational Chinook Salmon bite was on again/off again in July in Monterey Bay. Based on interviews of more than 500 anglers, better success occurred the first and third weeks, with average catch per angler ranging from 0.74 to 0.89. During the second and fourth weeks, average catch rate was less than 0.4 fish per angler.

California Halibut abundance has been at record levels in Monterey Bay; in July our recreational fishery samplers observed the highest number of fish for a single month. A significant portion of Halibut are within 2

inches over the minimum legal size of 22 inches, indicative of strong recruitment to the fishery. A high number of sublegal-sized fish are being returned to the water.

The Coastal Pelagic Species fleet moved into Monterey Bay beginning in late July to start fishing small schools of squid. In early August, average size of individual squid increased slightly, and more vessels moved into the area. Landing numbers are steadily increasing, but load sizes have remained small.

We held a second public hearing regarding the proposed Lost or Abandoned Commercial Dungeness Crab Trap Gear Retrieval Program on June 25 in Monterey and submitted the final regulations to the Office of Administrative Law for their review and approval in mid-July. We anticipate the regulations will be approved by late August, and Retrieval Permit Applications for 2019 will be available shortly after. We also held a public hearing on the proposed Standardized Commercial Trap Marking regulations on August 5 in Monterey and anticipate the regulations will be in place by November. New marking requirements would apply to the Spiny Lobster, Rock Crab, Tanner Crab, Spot Prawn, Coonstripe Shrimp, and Nearshore Finfish trap fisheries.

We have conducted standardized surveys for Pismo clam abundance and size frequency at Sunset State Beach, Santa Cruz County since 2008. On August 2, 2019 we documented the most significant recruitment event since we began, with densities more than 3 times our previous high. The mean density was more than 8 times greater than that of the previous month. Mean shell length was 18 mm (compared with 57 mm the previous month) and shell length ranged from 4 to 75 mm.; modes were evident at 5-8 mm and again at 17-18 mm. Eighty-five percent of all clams less than 20 mm were observed in the six most seaward plots; these were mostly or entirely under water. We do not know how far this recruitment event extends north or south. There is no recreational fishery here, because clams do not reach the minimum legal size of 5 inches (127 mm), likely due to sea otter predation. The largest clam we have ever observed since 2008 was 99 mm.

## **Non-Voting Members**

### **College**

*Jacob Winnikoff (primary)*

#### **Current Seat Activities**

- Participated in focus group last month for decadal federal evaluation of Elkhorn Slough NERR's Coastal Training Program.
- Conducting bimonthly outreach via email to MB-area student organizations:
  - Monterey Area Research Institutions' Network for Education (MARINE)
  - Am. Fisheries Soc. Santa Cruz-Monterey Bay Area Subunit (SCMBAS)
  - UCSC Women in Science and Engineering (WiSE)
  - Society for Advancement of Chican@s and Native Americans in Science (SACNAS)

#### **Related Web Links**

Further information on the student organizations listed above:

- MARINE - <https://csp.ucsc.edu/marine-network>
- SCMBAS - <https://ucsc.fisheries.org>
- WiSE - <https://wiseucsc.wixsite.com/wise>
- SACNAS - <https://www.facebook.com/ucscsacnas> (UCSC chapter), <https://www.sacnas.org> (national site)

Please notify me if you know of any Sanctuary-proximate student organizations that should be added to this list. Thank you.

## **ESNERR**

*Dan Brumbaugh (alternate)*

### Current Seat Activities

ESNERR's Coastal Training Program is exploring the development of a leadership academy for community leaders (e.g., local and regional government, NGOs, business) about multi-dimensional environmental challenges in the Monterey Bay area. If you have perspectives on this that you'd like to share, please contact Dan Brumbaugh ([dan@elkhornslough.org](mailto:dan@elkhornslough.org))

### Upcoming Activities

- A series of events spanning July 2019-June 2020 that will highlight the 40<sup>th</sup> anniversary of the Elkhorn Slough National Estuarine Research Reserve
- Evening at the Estuary. The Good, the Bad, and the Cute: Stories of the Southern Sea Otter, Thu. Aug. 15 (<https://www.elkhornslough.org/events/stories-of-the-southern-sea-otter/>)
- Presentation submissions due Aug. 23 for the 2019 Elkhorn Slough Science Symposium (Fri. Oct. 11 at MLML) ([https://docs.google.com/forms/d/e/1FAIpQLSeARMxf7VFaiXvBpHVCvg0aCwCizWSrX1rwcNnkl\\_M6f1qSyw/viewform](https://docs.google.com/forms/d/e/1FAIpQLSeARMxf7VFaiXvBpHVCvg0aCwCizWSrX1rwcNnkl_M6f1qSyw/viewform); registration opens in early Sept; contact [dan@elkhornslough.org](mailto:dan@elkhornslough.org) with questions)
- 2019 Reserve Open House & Native Plant Sale, Sat. Sept. 28 (<https://www.elkhornslough.org/events/reserve-open-house-and-native-plant-fair/>)
- Call for photographic entries for the Elkhorn Slough 2020 Calendar, deadline Mon. Sept. 30 (<https://www.elkhornslough.org/calendar-contest/>)

### Assistance or Request of MBNMS Staff

ESNERR wants to express appreciation for MBNMS staff and AC members who participated in ESNERR's recent "312" review process by contributing to focus groups (Dan Haifley, Jacob Winnikoff) or submitting written comments (Dawn Hayes, Andrew DeVogelaere, Karen Grimmer).