



## MLML Volunteer Newsletter A Summary of the 2018 Sampling Season

### California Collaborative Fisheries Research Program

Greetings MLML CCFRP Volunteers,

With your help, MLML has successfully completed **12** years of data collection inside and outside MPAs along the central California coast! In this time, we've conducted a total of **206** hook-and-line surveys in an effort to gather information regarding species compositions, lengths, and catch rates of rockfishes and other species commonly found in the nearshore environment. From these surveys, **800** volunteer anglers have spent **over 7,000** hours catching and releasing **66,807** fishes (and tagging over 21,000 fishes) from a total of **51** different species! In 2018 alone, we caught and released **8,764** fishes (tagging **1,190** of those prior to release), and welcomed **47** new volunteers to the program. Our statewide effort remains strong and all partner institutions were able to get out for another successful field season. We can't thank everyone enough for their dedication and support! We're already looking forward to the 2019 season!



At this time, we would like to invite you to our annual volunteer angler appreciation event and data workshop. This is an excellent opportunity to hear about the data we have collected over the past twelve seasons, and allows us to thank you for your dedication to the program. We welcome your attendance and involvement! The event will be held on:

**Saturday, March 23, 2019, from 12 - 3PM at Moss Landing Marine Labs**

If you are able to attend, feel free to bring others who might be interested, and **please RSVP through email ([CCFRP@mlml.calstate.edu](mailto:CCFRP@mlml.calstate.edu))** so we may plan accordingly. Lunch and raffle prizes will be provided at the meeting. An additional message will be sent out soon with more workshop details. Please stay tuned for updates through email, our website, Facebook, Instagram and YouTube!



A big thanks to our program partners and research affiliates this season: The Ocean Protection Council, NOAA, FishWise, Santa Monica Seafood, California Department of Fish and Wildlife, F/V Huli Cat, F/V Kahuna, F/V Sur Randy, F/V Tigerfish, Humboldt State University, Bodega Marine Laboratories, Cal Poly San Luis Obispo, UC Santa Barbara, and Scripps Institution of Oceanography

## Updates from the MLML CCFRP Science Crew



We're all working hard behind the scenes preparing for another successful and fun field season! Jen will continue to act as the statewide coordinator for the program, and will return as lead field scientist for MLML. Ryan will continue coordinating the volunteers, and Bonnie, Katie, Jackie, and Rachel will be returning as science crew. We hope to add a few new students and interns as well! A big thank you to our interns, Jessica and Caroline, for all of their hard work last season! Be on the lookout for emails in the early summer with details on our upcoming 2019 sampling schedule.



Please take a minute to like **CCFRP** on Facebook, and follow us on Instagram, and YouTube (@CCFRP)



**We all thoroughly enjoyed working with you and can't wait to see you again this season!**



MLML's fearless leader, Dr. **Rick Starr**, continues to seek out funding, find innovative applications for our data, and offer useful advice to our team. He has a very busy schedule that prevents him from getting out on the water as often as he'd like, but we are sure to bring back lots of exciting stories and photos!





## Biggest Fishes Caught with MLML (2007 to 2018)

Below are some of Moss Landing Marine Labs' largest fishes ever caught, by species.  
Total lengths are listed along with angler, area, site (MPA / REF) and year.

**Black & Yellow Rockfish** 33 cm (13 in)  
Matthew C. Nuevo REF '12  
Judy W., Año Nuevo REF '14  
Dan S., Año Nuevo REF '17

**Black Rockfish** 49 cm (19 in)  
Harry B., Año Nuevo REF '08  
Hap G., Año Nuevo REF '08

**Blue Rockfish** 45 cm (18 in)  
Ray Y., Año Nuevo MPA '08  
Mike I., Point Lobos REF '15

**Bocaccio** 64 cm (25 in)  
Jonathan P., SE Farallon Islands MPA '18

**Brown Rockfish** 48 cm (19 in)  
Ben S., Año Nuevo MPA '16  
Scott Y., Año Nuevo MPA '17

**California Halibut** 89 cm (35 in)  
Ken Y., Año Nuevo MPA '15  
Ken Y., Año Nuevo REF '17

**Cabazon** 64 cm (25 in)  
EC O., Año Nuevo REF '16 (x2)

**Canary Rockfish** 56 cm (22 in)  
Amy M., Año Nuevo REF '11

**China Rockfish** 39 cm (15 in)  
Kevin M., Año Nuevo REF '10

**Copper Rockfish** 52 cm (20 in)  
Darrell B., Point Lobos MPA '17

**Gopher Rockfish** 41 cm (16 in)  
Darrell B., Point Lobos REF '15

**Grass Rockfish** 45 cm (18 in)  
Ken Y., Año Nuevo MPA '09

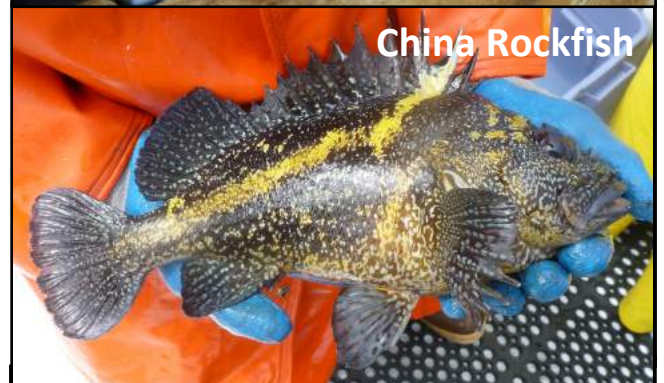
**Kelp Greenling** 41 cm (16 in)  
Manny L., Año Nuevo REF '17



Blue Rockfish



Canary Rockfish



China Rockfish



Copper Rockfish



Gopher Rockfish

## Biggest Fishes Caught with MLML (2007 to 2018)

Come fish with us again and defend your record! Or make a new one!



**Kelp Rockfish**

**Kelp Rockfish** 39 cm (15 in)  
Lester Y., Point Lobos MPA '14



**Lingcod**

**Lingcod** 102 cm (40 in)  
Ed M., Año Nuevo MPA '14

**Olive Rockfish** 50 cm (20 in)  
David R., Point Lobos MPA '07  
Alan B., Point Lobos MPA '08  
**Nick I., SE Farallon Islands REF '18**



**Rosy Rockfish**

**Ocean Whitefish** 60 cm (24 in)  
Frank P., Point Lobos MPA '09

**Quillback Rockfish** 42 cm (17 in)  
Willie T., SE Farallon Islands MPA '17

**Rosy Rockfish** 31 cm (12 in)  
**Jonathan P., SE Farallon Islands MPA '18**

**Starry Rockfish** 38 cm (15 in)  
Randy Y., SE Farallon Islands MPA '17



**Vermilion Rockfish**

**Treefish** 35 cm (14 in)  
Ben R., Point Lobos REF '15  
Eddie G., Point Lobos MPA '17

**Vermilion Rockfish** 56 cm (22 in)  
Daniel S., Point Lobos MPA '11  
Ben S., Año Nuevo REF '12

**White Croaker** 32 cm (13 in)  
Bill D., Año Nuevo MPA '11



**Yellowtail Rockfish**

**Wolf Eel** 135 cm (53 in)  
**Ken Y., Se Farallon Islands MPA '18**

**Yellowtail Rockfish** 44 cm (17 in)  
Ken Y., Año Nuevo MPA '15  
**Matt M., Point Lobos MPA '18**



## 2018 Tag Recaptures for MLML

Tag returns are an exciting part of our program and one way that we can learn about the movements and growth rates of the fishes we catch and release on our sampling trips.

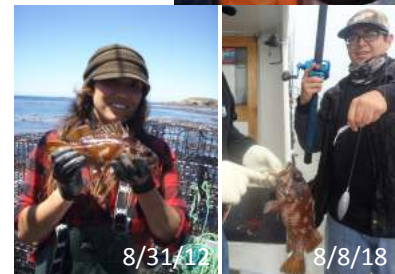
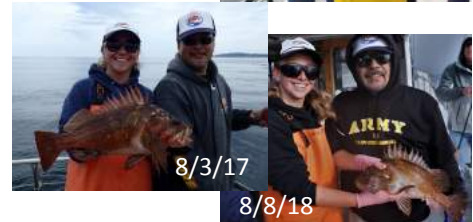
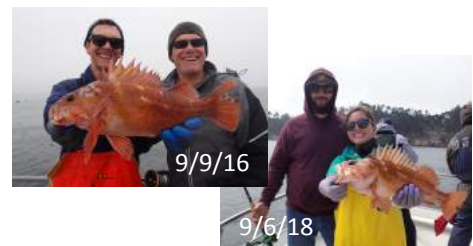
- In 2018, we had **9** recaptured fishes: 4 Copper Rockfish, 2 Black Rockfish, 2 Lingcod, and 1 Gopher Rockfish.
- 1 was recaptured by a recreational angler on a party boat, and 8 were recaptured on our CCFRP trips this season.
- All of the fishes recaptured on CCFRP trips were from the Año Nuevo and Point Lobos MPAs, and all were recaptured in the cells they were originally tagged in!



A Copper Rockfish, originally caught by Eddie G. on 9/7/16, was recaptured by Matthew D. *exactly* 2 years later on 9/7/18! It grew 1cm (40cm to 41cm) in its 730 days at liberty.

We had 3 recaptures from Cell 6 in the Point Lobos MPA this year!

- 1) A Copper Rockfish that was originally caught by Bob S. on 9/9/16 was recaptured by Noah W. on 9/6/18. This 41cm fish did not grow in its 727 days at liberty.
- 2) Another Copper Rockfish, originally caught by Lester Y. on 8/3/17, was recaptured by Eddie G. on 8/8/18 after 370 days at liberty.
- 3) CCFRP conducted trapping surveys in the early 2010's, and a Gopher Rockfish from that project was recaptured this year! It was initially tagged on 8/31/12, and was recaptured by Victor A. on 8/8/18. During its nearly 6 years (2,168 days) at liberty, it grew just 1cm (30cm to 31cm).



**Please check for tags next time you are out fishing!**

We don't get to fish as much as our volunteers (or as much as we'd like to), so we have to rely on the help of the fishing community to gather this important information.

Remember that information from a tagged fish is worth \$20! If you happen to catch a tagged fish, please record the species, length, depth, and location and contact:

[CCFRP@mlml.calstate.edu](mailto:CCFRP@mlml.calstate.edu) or (831) 771-4479

## An Ode to the Cabezon (*Scorpaenichthys marmoratus*)

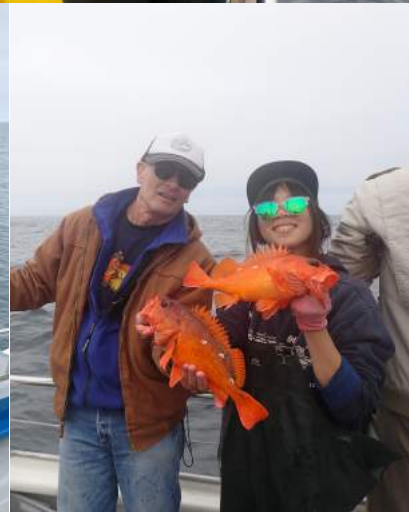
Those who have been out on the water with us know about our unconditional love towards Cabezon! In 2018, we caught and released 29 of this charismatic species, ranging from 32cm to 59cm in length. We encountered so many beautiful colors of Cabezon this season, and we wanted to provide a highlight reel of one of our favorite species!







**We appreciate your hard work, support, and enthusiasm for our program! We could not do it without you!**





**We look forward to our 13<sup>th</sup> sampling season!**

