



# California Collaborative Fisheries Research Program

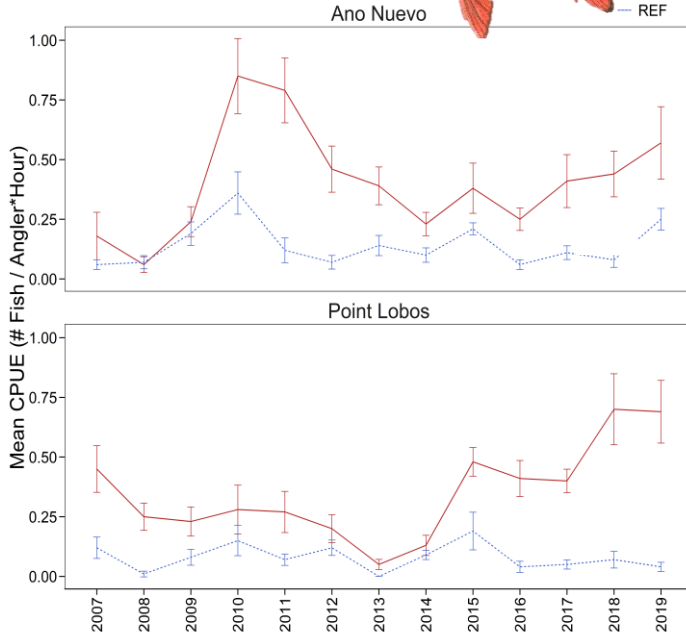
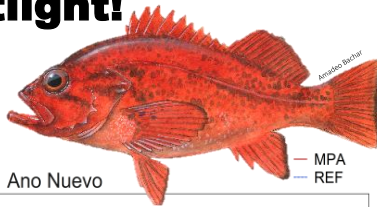
Angler Workshop Teaser 2020  
Moss Landing Marine Labs

## MLML CCFRP Summary (2007-2019)

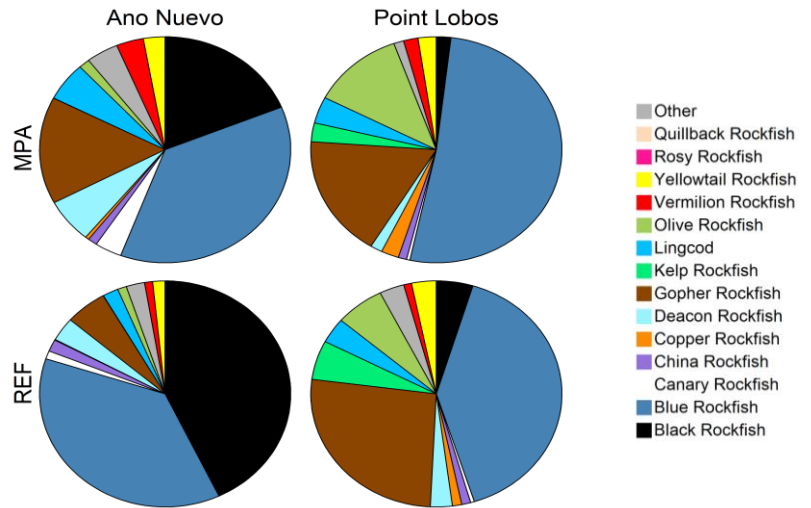
- ☑ 9 CPFVs, 15 skippers, 4 harbors
- ☑ 216 sampling days
- ☑ 833 volunteer anglers
- ☑ 7,000+ hours of fishing
- ☑ 73,439 fishes (51 spp.)
- ☑ 22,000+ fishes tagged and released

## Species Spotlight!

Vermilion Rockfish  
(*Sebastes miniatus*)



**Figure 1:** Catch per unit effort (CPUE) of Vermilion Rockfish surveyed at Año Nuevo and Point Lobos reference (REF) and MPA sites from 2007-2019. REF CPUE is outlined in blue and MPA CPUE is outlined in red. At Año Nuevo, Vermilion Rockfish caught in the MPA and REF areas track each other through time, but there is a higher abundance of Vermilion RF caught inside the MPA overall. At Point Lobos, CPUE for the MPA started off higher than the REF. MPA and REF sites converge between 2009 and 2015, and then we see a divergence with CPUE inside the Point Lobos MPA becoming greater in more recent years.



**Figure 2:** Species Composition for Año Nuevo and Point Lobos reference (REF) and MPA sites sampled from 2007-2019. Point Lobos REF & MPA catch are dominated by Blue Rockfish, while Año Nuevo REF & MPA catch are dominated by Blue and Black Rockfishes.

## Largest Rockfishes for MLML (2007-2019)

We would like to congratulate Gary K. for making the Top 10 list with his three Vermilion Rockfish catches this year

- Jonathan P.: Bocaccio, 64 cm (25.2 in)  
SE Farallon Islands MPA '18
- Dan S.: Bocaccio, 59 cm (23.2 in)  
SE Farallon Islands MPA '17
- **Gary K.: Vermilion RF, 58 cm (22.8 in)  
Año Nuevo REF '19**
- Ben S.: Vermilion RF, 56 cm (22 in)  
Año Nuevo REF '12
- Daniel S.: Vermilion RF, 56 cm (22 in)  
Point Lobos MPA '11
- Amy M.: Canary RF, 56 cm (22 in)  
Año Nuevo REF '11
- **Gary K.: Vermilion RF, 56 cm (22 in) x2  
Año Nuevo REF '19**
- Ben R.: Vermilion RF, 55 cm (21.7 in)  
Año Nuevo REF '16
- Darrell B.: Vermilion RF, 55 cm (21.7 in)  
Point Lobos REF '14
- Dylan G.: Vermilion RF, 55 cm (21.7 in)  
Año Nuevo REF '07
- Nick Ingram: Vermilion RF, 54cm (21.3 in)  
Año Nuevo REF, '15
- Hernan Paez: Vermilion RF, 54 cm (21.3 in)  
Año Nuevo MPA '11

