



CA Collaborative Fisheries Research Program

2007-2009 Hook-and-Line Project Overview



THANK YOU VOLUNTEER ANGLERS!!

The California Collaborative Fisheries Research Program (CCFRP) is a partnership of people and communities interested in fisheries sustainability. By combining the expertise and ideas of fishermen and scientists, we have successfully established protocols that can be used state-wide to gather information for fishery management and to monitor changes in local fish populations.

This brochure describes the results of a CCFRP hook-and-line fishing project to monitor California marine protected areas (MPAs). In this project, CCFRP scientists and over 400 volunteer anglers completed 120 survey days, caught and released more than 22,000 fishes, and gathered data on more than 40 species.

This project is a collaborative effort among researchers from CA Sea Grant/ Moss Landing Marine Laboratories and SLOSEA/ Center for Coastal Marine Sciences, Cal Poly San Luis Obispo, and the captains and crew of the F/Vs *Admiral*, *Caroline*, *Fiesta*, *Huli Cat*, *New Captain Pete*, *Pacific Horizon*, *Patriot*, *Princess*, *Queen of Hearts*, *Rita G*, *Salty Lady*, and *Tigerfish*.

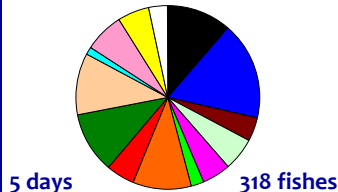


In the last 3 years, CA Collaborative Fisheries Research Program scientists and fishermen have conducted hook-and-line surveys within 3 Central Coast State Marine Reserves (SMRs) and a State Marine Conservation Area (SMCA), along with nearby reference sites. Surveys were also completed in 3 proposed North Central Coast SMRs. From these surveys, we generated data about catch rates and fish lengths to allow statistical comparisons of the MPAs and corresponding reference sites. Below are preliminary data for each area (MPA and Reference sites, and years combined), including species composition (which reflects habitat differences along the coast), and the total number of survey days and fishes caught.

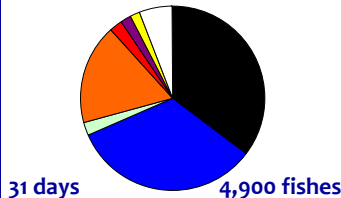
Legend



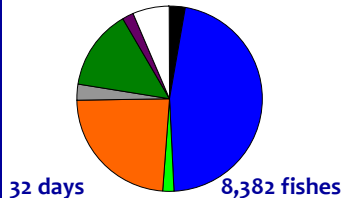
North Central Coast MPAs (All)



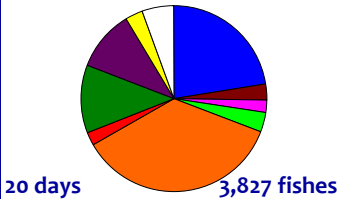
Año Nuevo



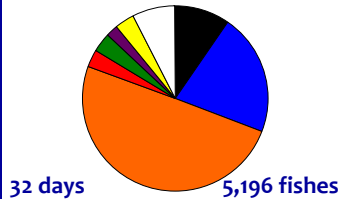
Point Lobos



Piedras Blancas



Point Buchon





Large Fish Catch 2007 – 2009

Below are some of the project's largest fish catches. Listed are the total lengths, the angler who caught the fish, in which MPA or reference site (REF) it was caught, and during which survey year.

▪ **Black Rockfish:** 49 cm (19 in), Harry Burcher and Hap Gladstone, Año Nuevo REF, 2008

▪ **Bocaccio:** 60 cm (24 in), Eddie Gomez, Piedras Blancas SMR, 2008

▪ **CA Halibut:** 81 cm (32 in), Jim Webb, Piedras Blancas REF, 2009

▪ **Cabezon:** 60 cm (24 in), Ken Yuen, Año Nuevo REF, 2009

▪ **Copper Rockfish:** 52 cm (20 in), Gary Longo, Point Lobos SMR, 2008; and Jeremy Harkins, Piedras Blancas SMR, 2009

▪ **Lingcod:** 87 cm (34 in), Nick Koozmin, Año Nuevo REF, 2007

▪ **Olive Rockfish:** 50 cm (20 in), David Reins, Point Lobos SMR, 2007; and Alan Bienenfeld, 2008

▪ **Ocean whitefish:** 60 cm (24 in), Frank Pickell, Point Lobos SMR, 2009

▪ **Pacific Bonito:** 73 cm (29 in), Eddie Gomez, Piedras Blancas REF, 2008

▪ **Vermilion Rockfish:** 55 cm (22 in), Dylan Gorman, Año Nuevo REF, 2007



For more information about the CCFRP projects, please visit our websites:

www.slosea.org/collaborative and <http://seagrant.mml.calstate.edu/research/ccfrp/>