

FISH ON!

Marine Reserves Hook-and-Line Survey 2014: End of Season Newsletter





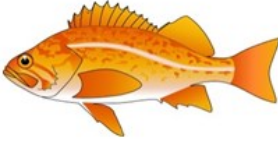
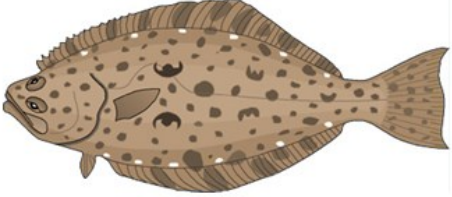




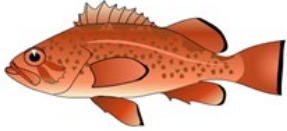

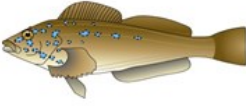

This year the Marine Reserves Program continued its hook and line surveys. We added a fourth site, Cape Falcon Marine Reserve and Cape Meares Comparison Area, to our monitoring program. Data collection was broken into two periods: Spring (April-May) and Fall (September-October). Combining both periods, the program sampled 5 days in Cape Falcon, 8 days in Cascade Head, 8 days in Cape Perpetua, and 10 days in Redfish Rocks. In total, this amounted to 31 trips, staffed by 165 different volunteers, out of 4 different ports. Although each site is unique, the 2014 survey caught a total of 5,729 fish representing 26 species between marine reserves (3731 fishes) and comparison areas (1998 fishes). The 26 species were distributed across 5 families: rockfishes—14 species, sculpins—4 species, flatfish—5 species, greenling—2 species, and surf perch—1 species. Although salmon were not included in our data, the survey did encounter at least six Coho Salmon in three different sites! Daily catches ranged from a low of 39 to a high of 431 fish measured, weighed, and released. A single Gopher Rockfish, usually a native species of California, was a surprise catch this year in Redfish Rocks Marine Reserve.

CATCH OF THE DAY



THE LARGEST FISH!!

Our volunteer anglers landed some very large fish! The length and weight for the largest fish caught by species in 2014 is shown below.

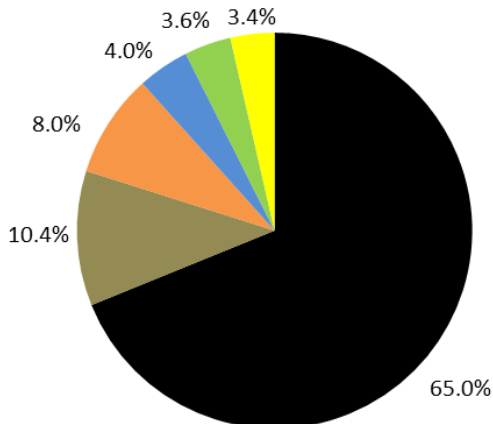
Black Rockfish  22.5 inches 4 pounds	Brown Rockfish  13 inches 1.3 pounds	Canary Rockfish  23 inches 7.2 pounds	Pacific Halibut  37 inches 24 pounds
China Rockfish  15.75 inches 3.5 pounds	Copper Rockfish  20 inches 6.6 pounds	Quillback Rockfish  12.8 inches 1.5 pounds	Cabezon  26.8 inches 16 pounds
Vermillion Rockfish  22.5 inches 9.9 pounds	Yelloweye Rockfish  22 inches 9.9 pounds	Kelp Greenling  16.5 inches 2.2 pounds	Lingcod  >41.4 inches >27.6 pounds

Species graphics were provided by Dr. Larry Allen of CSUN.

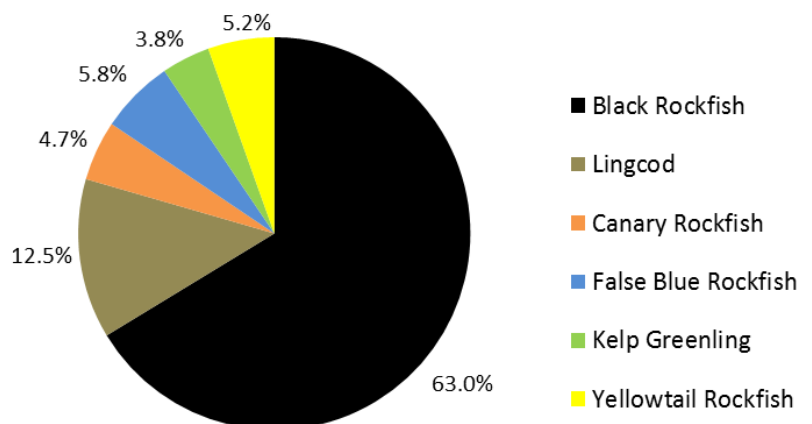
Overall, our marine reserves and comparison areas have very similar species compositions.

The 6 species in the graphs below accounted for 95% of the total catch for 2014. Notice the similar percentages of these dominant species between the reserves and comparison areas.

Marine Reserves



Comparison Areas

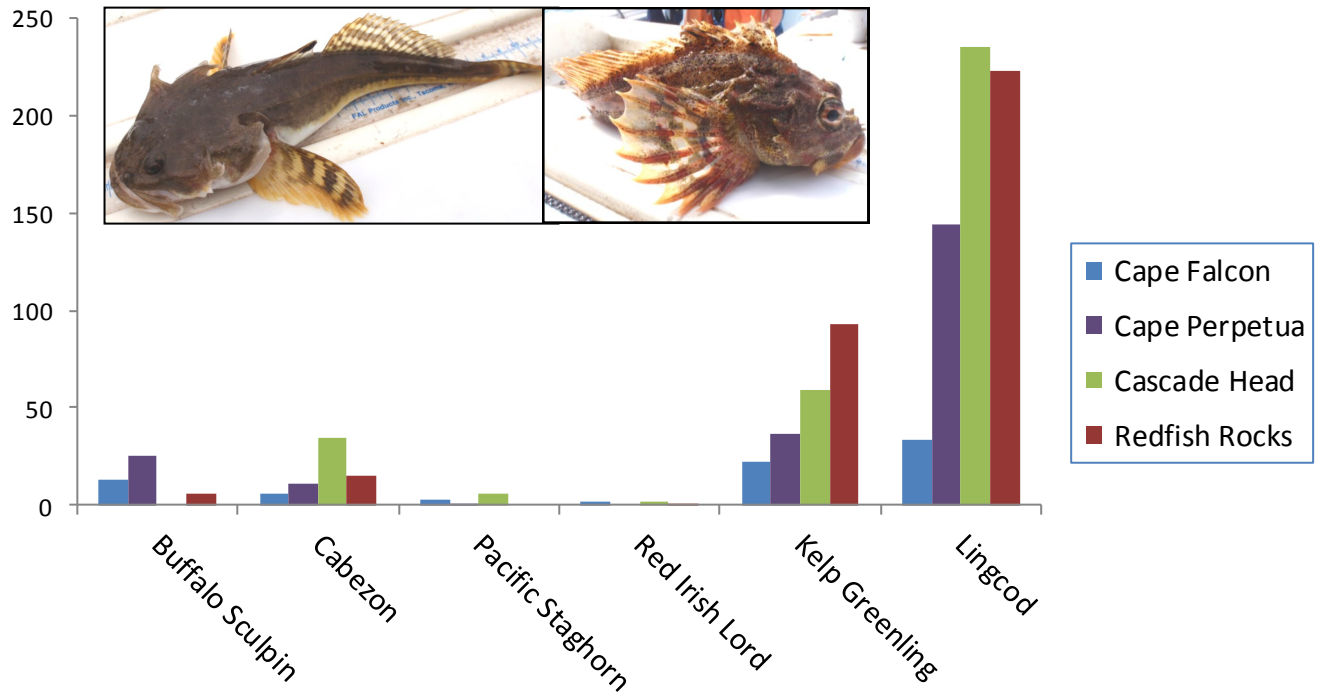


- Black Rockfish
- Lingcod
- Canary Rockfish
- False Blue Rockfish
- Kelp Greenling
- Yellowtail Rockfish

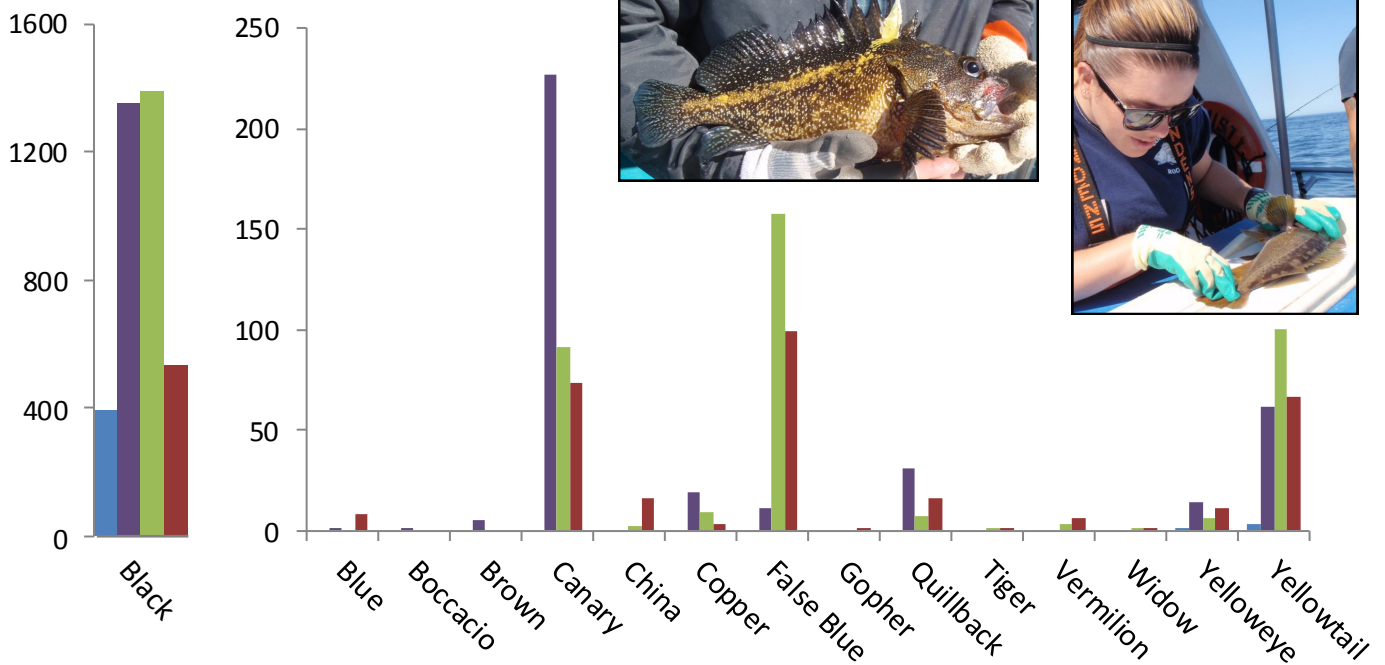
CATCH DATA BY RESERVE

TOTAL NUMBER OF FISH CAUGHT PER SPECIES IN 2014

Sculpins and Greenlings



Rockfishes



2014 HOOK-AND-LINE SURVEY

THANK YOU!



Special thanks to all 165 angler volunteers who donated over 2,888 hours and 27,990 miles; biological assistants: Christian, Brian R., Nick, Kimberley, Josh, Erin, Brian L., Sheryl, Janet, Breeze, and Meghan; and our captains and crews: Jeff and Mark Lottis of Five Star Charters; Robbie Waddell, Patrick, and Andrew on the Misty; Lars Robson, Dave, and Aaron on the Samson, and Lance Fletcher and Ron on the D&D. With the help and patience of our vessel crews and volunteers, the program completed the 4th year of surveys at Redfish Rocks; the 2nd year of surveys at Cape Perpetua and Cascade Head and the 1st year of baseline data collected from Cape Falcon. Cape Falcon will become a marine reserve closed to extraction activities on January 1, 2016.

Thanks!

Brittany, Jessica, Erin, Neal, Keith, Christian, and Wolfe

ODFW Marine Reserves Team

