

# FISH ON!

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





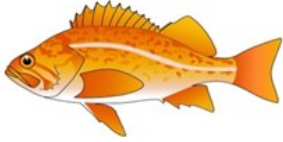
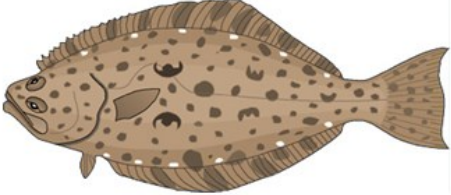




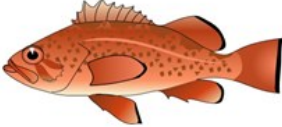

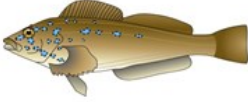
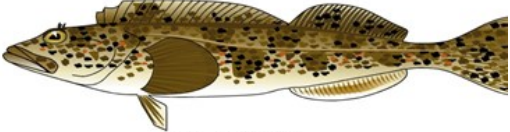
*This year the Marine Reserves Program continued its hook and line surveys. We added a fourth site, Cape Falcon Marine Reserve and Cape Meares Comparison Area, to our monitoring program. Data collection was broken into two periods: Spring (April-May) and Fall (September-October). Combining both periods, 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.

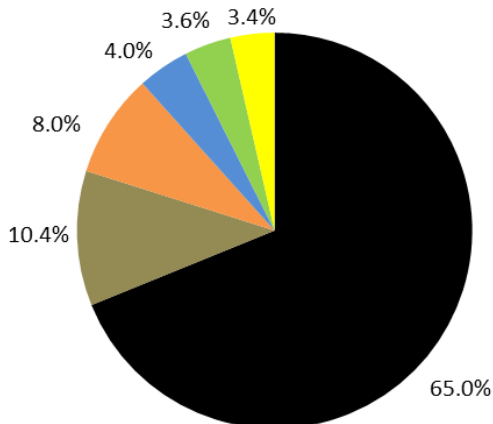
<b>Black Rockfish</b>  22.5 inches 4 pounds	<b>Brown Rockfish</b>  13 inches 1.3 pounds	<b>Canary Rockfish</b>  23 inches 7.2 pounds	<b>Pacific Halibut</b>  37 inches 24 pounds
<b>China Rockfish</b>  15.75 inches 3.5 pounds	<b>Copper Rockfish</b>  20 inches 6.6 pounds	<b>Quillback Rockfish</b>  12.8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

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

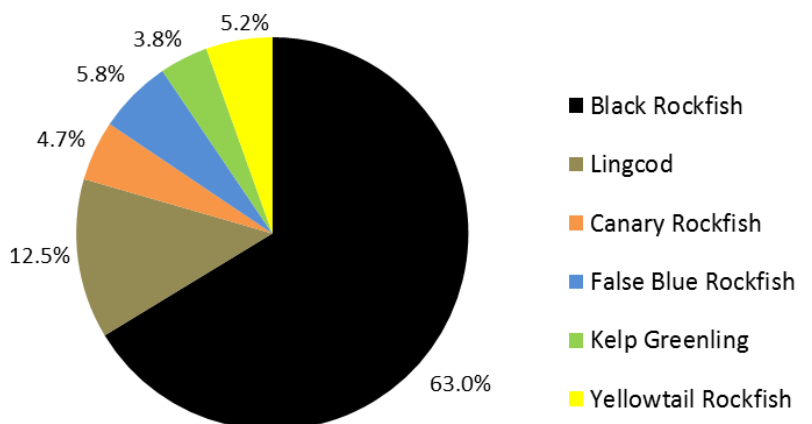
**Overall, our marine reserves and comparison areas have very similar species compositions.**

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**

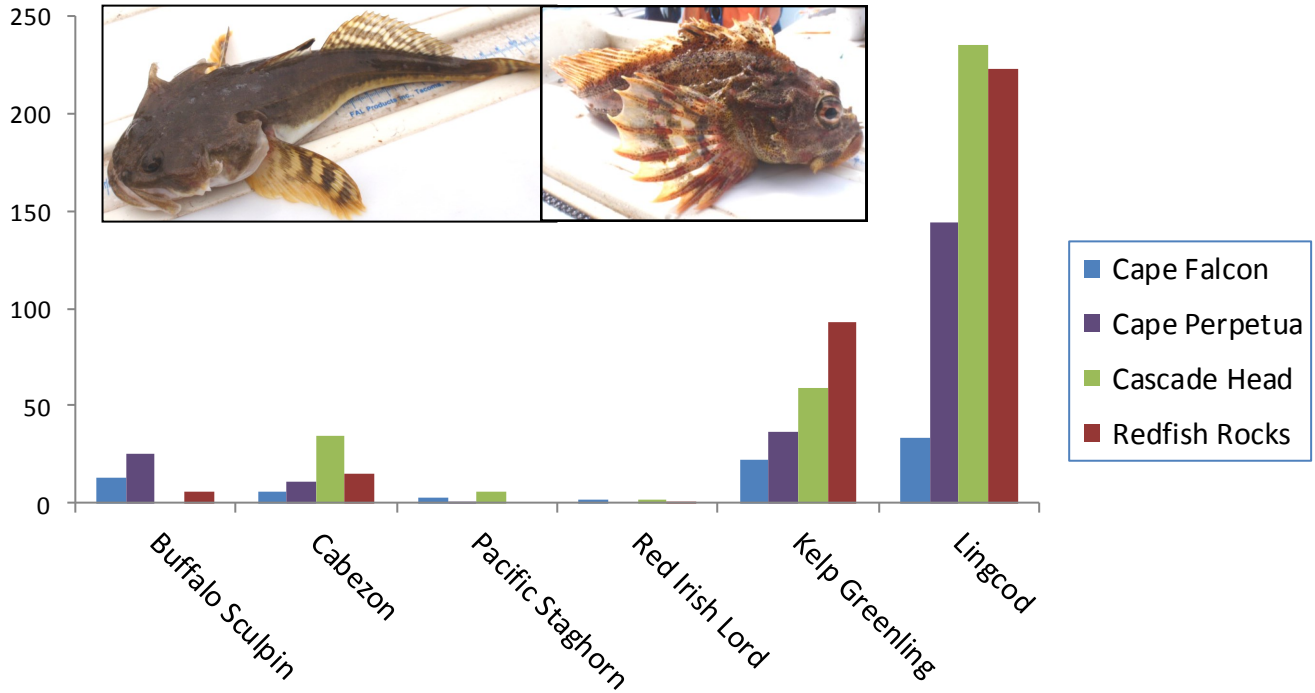


- Black Rockfish
- Lingcod
- Canary Rockfish
- False Blue Rockfish
- Kelp Greenling
- Yellowtail Rockfish

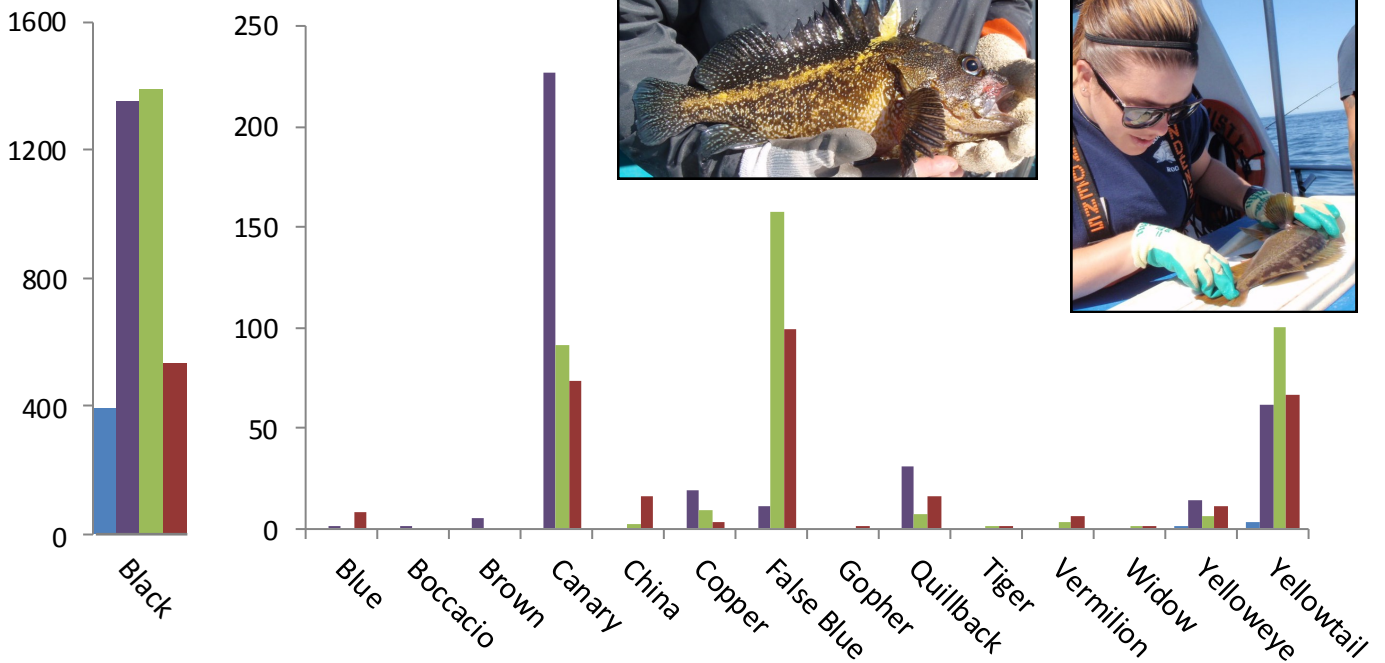
# CATCH DATA BY RESERVE

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*

