

FISH ON!

MARINE RESERVE HOOK-AND-LINE SURVEY VOLUNTEER NEWSLETTER



March, 2014

Greetings Volunteers,

Thank you for your interest in volunteering with the ODFW Marine Reserve Program's Hook-and-Line surveys! With your help, this year we will be surveying 4 *no-take marine reserves* and associated *comparison areas* (reference areas open to fishing). This year represents our 4th year of annual Hook-and-Line Surveys at Redfish Rocks Marine Reserve, and our 2nd year of surveys in Cape Perpetua and Cascade Head Marine Reserves. Brand new this year we will be starting the baseline survey at Cape Falcon before harvest restrictions start in January 2016.

Our season will have two pulses, one in Spring and one in Fall, where we will have multiple day trips for volunteers. We will be using this email list to notify volunteers about upcoming trips. Stay tuned for details such as port specific dates, departure times, etc. As always, weather is a large factor in scheduling trips so we thank you in advance for your flexibility with notification/cancellation.

Look forward to meeting you on the water soon,
The ODFW Marine Reserve Team



If you have any questions or concerns please don't hesitate to call or e-mail at:

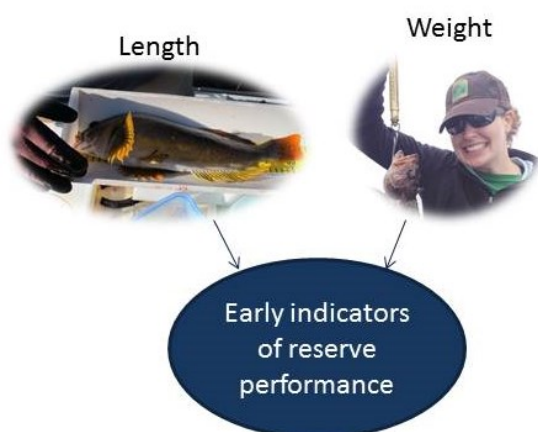
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What is the Hook-and-line survey?

The hook-and-line survey uses citizen scientists (volunteer anglers) to **catch and release** fish in and out of the reserve. Volunteer anglers aide in the collection of valuable data allowing the science crew the opportunity to have fish *in hand*, enabling accurate length and weight measurements.



Where will we be fishing?



Marine Reserve Fishing Port

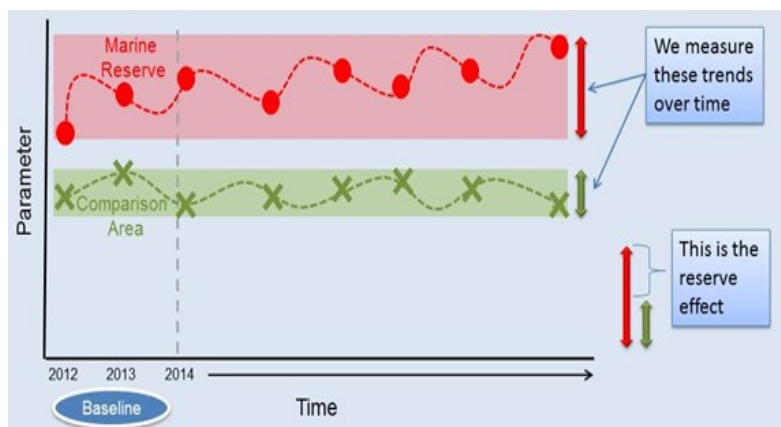
Cape Falcon Garibaldi

Cascade Head Depoe Bay

Cape Perpetua Newport

Redfish Rocks Port Orford

Detecting changes through time



We look at differences in average fish length and weight **before** and **after** the closure of the reserve. We also monitor a comparison area (a fished reference area) so that we can tease out pre-existing environmental differences from changes caused by marine reserve protection.

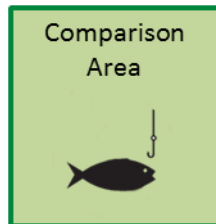
FISH ON!

HOOK-AND-LINE SURVEY START OF THE SEASON VOLUNTEER NEWSLETTER

WHAT ARE COMPARISON AREAS?

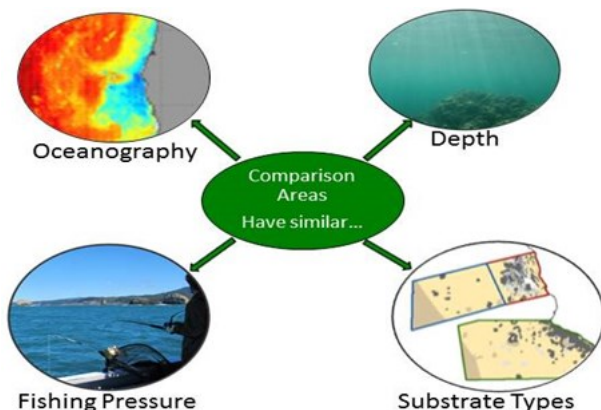
Ideally, comparison areas would be identical to their respective marine reserve in every way except being closed to fishing.

The difference between marine reserves and comparison areas is whether fishing is allowed.



In reality, it is impossible to have two areas that are perfectly identical so we attempt to find areas as similar as possible, and often have more than one area per reserve.

Comparison areas should have similar:



Comparison Areas – Facts & Myths

1. Comparison areas are meant to catch fish that spillover from the reserve.

✗ **MYTH** – Comparison areas are meant only to serve as a reference area to detect change over time.

2. A reserve can have more than one comparison area.

✓ **FACT** – Since there are no perfect matches to the marine reserves, often more than one comparison area is selected.

3. Comparison areas are meant to catch larval fish from the reserve.

✗ **MYTH** – Comparison areas are meant only to serve as a reference area to detect change over time.

4. Fishing is permitted in comparison areas.

✓ **FACT** – With appropriate fishing permits, fishing is allowed in the comparison areas.