

# PROJECT CROOS

## Collaborative Research on Oregon Ocean Salmon

*September 10, 2012*

### Activities and Updates

- In accordance with the West Coast Salmon Genetic Stock Identification Collaboration sampling plan, Oregon, along with California and Washington partners, are collecting fine-scale, at-sea data from May to October, 2012.
- In 2012, approximately 80 Oregon vessel operators have sampling contracts and more than 80 fishermen have been trained in at-sea sampling protocols.
- Since at-sea sampling commenced May 1, 2012, a total of 6785 Chinook salmon samples were collected by Project CROOS participants. Of these samples, 3966 have been genotyped and analyzed. When Project CROOS meets its sampling quotient for a time strata and area the samples are archived to be analyzed after the fishing season has completed. In Newport 237 samples from time period 2 (May 15<sup>th</sup> to May 31<sup>st</sup>) and 156 samples from time period 3 (June 1<sup>st</sup> to June 15<sup>th</sup>), 71 samples from time period 4 (June 16<sup>th</sup> to June 30<sup>th</sup>), 62 samples from time period 5 (July 1<sup>st</sup> to July 15<sup>th</sup>), 85 samples from time period 7 (August 1<sup>st</sup> to August 15<sup>th</sup>) have been archived. In Coos Bay 204 samples from time period 2, 187 samples from time period 3 and 31 samples from time period 4 have been archived. In Winchester Bay 119 samples from time period 2, 294 samples from time period 3 and 61 samples from time period 4 have been archived.
- This year Project CROOS has included historical data from CROOS fisherman and Coded Wire Tag (CWT) data to enable basic comparisons between the stock specific catch per unit effort data in units of fish per boat day. The CWT estimates in the previous reports were calculated wrong and are much too high. There are also other potential problems with the comparison. We are reexamining the CWT analysis and will present a revised version at a later date.
- In-season progress report that includes catch, effort, and stock specific catch per unit effort (on an hourly basis) is currently available for the eighth time period, August 15<sup>th</sup> to August 31<sup>st</sup>. The next report will include results for September 1<sup>st</sup> to September 15<sup>th</sup>.
- Project CROOS has completed four test surveys to determine the feasibility of employing commercial fisherman to systematically sample stock distributions.

- Two Chinook salmon with yellow coloration were caught off the Oregon coast in July. The cause of the coloration is not known at this time. If anyone catches a yellow salmon in the future please freeze the whole fish or the gut cavity. GSI analysis indicated that the first salmon came from Central Valley Fall stock and the second salmon came from Deschutes Fall.
- All Oregon & California fisheries data are being deposited in the Pacific Fish Trax database in near real-time.
- Project CROOS has a facebook page that is updated with all of the latest information and data along with an animated video created by Pete Lawson that displays fish catch data as never seen before. To learn more go to [http://www.facebook.com/pages/Collaborative-Research-on-Ocean-Salmon/378277392207126](http://www.facebook.com/pages/Collaborative-Research-on-Oregon-Ocean-Salmon/378277392207126). A facebook account is not needed to visit the facebook page or to play the video “CROOS 2011 Chinook Salmon Catch”.
- The pacific fish trax website also has an exciting new public portal (<https://fp.fishtrax.org/portal/>) that displays Chinook catch off the coast of Oregon and California with the ability to filter by date, stock, age, region and fish size. The data is displayed in aggregate CPUE, aggregate catch and aggregate effort. The portal also has the ability to overlay oceanographic charts, Sea surface temperature and Chlorophyll a.
- Oregon fishermen have access to their individual data through the Pacific Fish Trax website

We invite you to learn more about Project CROOS and Pacific Fish Trax by visiting our website, [www.pacificfishtrax.org](http://www.pacificfishtrax.org). Additional information on the goals and objectives of Project CROOS can also be found at [www.ProjectCROOS.com](http://www.ProjectCROOS.com). Don't hesitate to contact us if you have any questions.

To be removed from the “Project CROOS Update” email list-serve simply reply with “unsubscribe”.

Regards,

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