

Oregon Department of Fish and Wildlife  
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## Education

1999 B.S., Biology, Marine Biology Focus Program, Oregon State University, Corvallis, OR.

## Professional Experience

7/04-Present **Marine Fisheries Research Biologist**, Oregon Department of Fish and Wildlife, Marine Resources Program, Newport- Black rockfish PIT tag project coordinator. Project coordinator for at-sea research projects to study exploitation rates and abundance of black rockfish. Other projects included in this scope of work include: methods to reduce bycatch in recreational fisheries, collection of life history information used to improve the accuracy and precision of stock assessment models and investigation of the effects of rapid decompression on rockfish species.

3/04-6/04 **Research Fisheries Biologist**, Design, construct and maintain research equipment, operate and maintain 24 ft. research vessel. Retrieve acoustic receivers, download data. Design and maintain databases for telemetry data, assist with design and logistical planning of experiment. Assist with other research projects including barotrauma studies and PIT tagging of black rockfish.

5/03-10/03 **Research Fisheries Biologist**, Field leader for research study comparing bycatch in an experimental flatfish selective bottom trawl net to bycatch in an industry standard bottom trawl net on the continental slope. Design sampling protocol for investigation of photoperiod interaction with net type. Organize materials and personnel for several 3-5 day trips aboard a commercial fishing vessel, carry out at-sea sampling procedures, obtain counts and weights for all species, lengths for selected species, and maturity samples for selected species.

Train several research assistants in fish ID (over 30 species groundfish) and sampling procedures, communicate sampling procedures and needs to deckhands and captain of vessel, make decisions regarding at-sea sampling methodology.

Design and maintain electronic database of data collected, perform statistical analysis of data, create graphs and charts in Excel and Statview, interpret and report results to supervisor. Assist with data handling and analysis for several other projects, including barotrauma research, maturity studies, and other bycatch reduction measures.

## **Current Research Interests**

My current research interests are in improving information available for stock assessments of exploited species, especially nearshore rocky reef species. This includes alternative survey methodologies for species not adequately surveyed by trawl gear (including mark-recapture surveys), the design of shoreside and on-board sampling programs, the reproductive biology of rockfish, and the reconstruction of historical rockfish catches. Other interests include bycatch reduction via modification of fishing gear and practices, movements of nearshore rocky reef species, and the effects of rapid decompression on the survival of discarded rockfish, including methods to mitigate decompression related mortality.

## **Professional Activities**

- 2008 Oral presentation at American Fisheries Society Western Division Annual Meeting, PIT Tag Symposium entitled: Using mark-recovery data generated using PIT tags to inform stock assessments in Stock Synthesis II.
- 2007 Oral presentation at American Fisheries Society National Annual Meeting, Bycatch Reduction Symposium entitled: Reducing bycatch in U.S. West coast recreational groundfish fisheries: Evaluation of the effects of increased bait height above bottom on the catch of demersal rockfishes.
- 2005 Poster presentation at American Fisheries Society National Annual Meeting, Lowell Wakefield Fisheries Symposium entitled: Spatial and temporal differences in the size distribution of black rockfish: Implications for mark and recovery studies and fisheries management.

## **Professional Affiliations**

American Fisheries Society  
Oregon Chapter AFS

## **Refereed Publications**

- Buell, T.V., Hannah, R.W., and Parker, S.J. 2007. Estimation of black rockfish (*Sebastes melanops*) population parameters from recreational fisheries mark-recovery data off Newport, Oregon. Appendix A in Sampson, D.B. 2007, The status of blackrockfish off Oregon and California in 2007, Pacific Fishery Management Council, Portland, OR.
- Hannah, R.W., S.J. Parker and T.V. Buell. 2005. Evaluation of a selective flatfish trawl and diel variation in rockfish catchability as bycatch reduction tools in the deepwater complex fishery of the U.S. West coast. *North American Journal of Fisheries Management* 25:581-593.

### **Selected Non-Refereed Reports**

Buell, T.V. Black rockfish PIT tag exploitation rate study: 2005. Oregon Department of Fish and Wildlife, Fish Research Project, 9 pp. Annual progress report, Salem, Oregon.

Buell, T.V. and R.E. Easton Black rockfish exploitation rate study: 2007. Oregon Department of Fish and Wildlife, Fish Research Project, 7 pp. Annual progress report, Salem, Oregon.

### **Manuscripts in Preparation**

Hannah, R.W., T.V. Buell and M.T.O. Blume. The effect of increased bait height above bottom on catches in Oregon's marine recreational groundfish fishery.