

Jeffrey R Baldock

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PERSONAL DATA

Date of Birth: September 23, 1991
Place of Birth: Hackensack, New Jersey, U.S.A.
Citizenship: dual USA/Australia
Current Address: 115 S. Cedar St., Laramie, WY 82072

EDUCATION

University of Wyoming, Laramie, WY
Ph.D. in Ecology, *in progress*

University of Washington, Seattle, WA
B.Sc. in Aquatic and Fishery Sciences with minors in Quantitative Sciences and Marine Biology (2014). GPA: 3.67

The School for Field Studies, Isla Solarte Field Station, Bocas del Toro, Panama
Field program in Tropical Island Biodiversity Studies (2013). GPA: 3.93

Friday Harbor Laboratories, University of Washington, Friday Harbor, WA
Field program in Ecology and Conservation of Marine Birds and Mammals (2012). GPA: 3.9

Nevada Union High School, Grass Valley, CA (2010). GPA: 4.0

EXPERIENCE

2018-*present* Graduate Research Assistant
Wyoming Cooperative Fish & Wildlife Research Unit, Univ. of Wyoming (Laramie, WY)

2015-2018 Field Biologist
Chignik Lake Field Station, Alaska Salmon Program, Univ. of Washington (Chignik Lake, AK)

2016 (*winter*) Field Technician
EVOTRAC, Cornell University/Universidad de San Francisco en Quito (Papallacta, Ecuador)

2014-2015 Research Technician
Aquatic Ecosystems Research Group, Univ. of Washington (Seattle, WA)

2014 Field Technician
Alaska Salmon Program, Univ. of Washington (*various locations*, AK)

2013 Restoration Technician
Northwest Stream Center, Adopt a Stream Foundation (Mill Creek, WA)

2012-2013 Aquaculture Technician
Zebrafish Genetics Laboratory, Univ. of Washington (Seattle, WA)

PEER-REVIEWED PUBLICATIONS

Walsworth TE, **Baldock JR**, Schindler DE & Zimmerman CE (2020). Interaction between watershed features and climate forcing affects habitat profitability for juvenile salmonids. *Ecosphere* 11(10): e03266.

Baldock JR, Armstrong JB, Schindler DE, & Carter JL (2016). Juvenile coho salmon track a seasonally shifting thermal mosaic across a river floodplain. *Freshwater Biology* 61(9):1454-1465.

MANUSCRIPTS IN PREP

Baldock JR, Walters A, & Al-Chokhacy R. Redd superimposition and observer error jointly mediate the accuracy of redd counts for Yellowstone cutthroat trout. Goal for submission to Canadian Journal of Fisheries and Aquatic Sciences September 2021.

TECHNICAL REPORTS

Baldock JR, Walters A, & Al-Chokhacy R (2020). Evaluating the use of redd counts in monitoring the status and trends of Snake River cutthroat trout in spring-fed tributaries of the upper Snake River watershed. Prepared for the *Wyoming Game and Fish Department, Wyoming Wildlife and Natural Resource Trust*, and relevant landowners.

Baldock JR & Schindler DE (2018). Black Lake natural habitat change: Annual report on lake surface elevation, Alec River discharge, and Black River cross-section monitoring. Prepared for the *Chignik Regional Aquaculture Association*.

Baldock JR, Walsworth TE, & Schindler DE (2017). Black Lake natural habitat change: Annual report on lake surface elevation, Alec River discharge, and Black River cross-section monitoring. Prepared for the *Chignik Regional Aquaculture Association*.

Baldock JR, Walsworth TE, & Schindler DE (2016). Alaska Salmon Program: Chignik Lakes watershed annual report. *University of Washington*.

ADDITIONAL RESEARCH EXPERIENCE

2013. Ontogenetic habitat shifts of invasive red lionfish (*Pterois volitans*) in the Bocas del Toro archipelago, Panama. Mentors: Jonathan Claydon, PhD; Marta Calosso.

2012. Effects of marine traffic on *Alcidae* and *Laridae* in the San Juan Channel, Washington. Mentors: W. Breck Tyler, PhD; Eric Anderson, PhD.

PRESENTATIONS

Baldock JR (2020). Evaluating the role of redd superimposition by Snake River cutthroat trout in spring-fed streams of the upper Snake River watershed. *Idaho Department of Fish and Game Eagle Fish Genetics Laboratory Meeting*. April 2, 2020. Virtual event.

- Baldock JR**, Walters AW, Al-Chokhachy R, & Walsworth TE (2020). Effects of redd superimposition on observer error structure in redd counts: Implications for long-term monitoring of Snake River cutthroat trout in Wyoming. *Colorado-Wyoming Chapter of the American Fisheries Society Annual Meeting 2020*. February 27. Hilton Hotel, Laramie, WY.
- ***Baldock JR**, Walters AW, & Al-Chokhachy R (2019). Evaluating the use of redd counts in monitoring Snake River cutthroat trout in spring-fed tributaries of the upper Snake River watershed. *Wyoming Cooperative Fish and Wildlife Research Unit, 2019 Annual Cooperator's Meeting*. April 2. University of Wyoming, Laramie, WY.
- ***Baldock JR**, Walters AW, & Al-Chokhachy R (2019). Evaluating the use of redd counts in monitoring Snake River cutthroat trout in spring-fed tributaries of the upper Snake River watershed. *Colorado-Wyoming Chapter of the American Fisheries Society, 2019 Annual Meeting*. February 27. Hilton Hotel, Fort Collins, CO.
- Baldock JR** (2018). Alaska salmon populations move to exploit shifting habitat mosaics. *Department of Zoology and Physiology Brown Bag Seminar Series*. October 8. University of Wyoming, Laramie, WY.
- Walsworth TE, **Baldock JR**, Schindler DE, & Zimmerman CE (2016). Using otolith microchemistry to explore inter-annual variation in juvenile sockeye salmon rearing strategies. *Alaska Salmon Program 2016 Science Symposium*. November 18. University of Washington, Seattle, WA.
- Baldock JR**, Armstrong JB, & Schindler DE (2014). Juvenile coho salmon track a shifting habitat mosaic across a stream-floodplain complex. *Alaska Salmon Program 2014 Science Symposium*. December 5. University of Washington, Seattle, WA.
- Baldock JR**, Armstrong JB, & Schindler DE (2014). Juvenile coho salmon track a shifting habitat mosaic across a stream-floodplain complex. *SAFS Undergraduate Research Symposium*. December 5. University of Washington, Seattle, WA.
- Baldock JR**, Armstrong JB, & Schindler DE (2014). Juvenile coho salmon track a shifting mosaic of habitat conditions over the early summer feeding period. *Mary Gates Undergraduate Research Symposium*. May 23. University of Washington, Seattle, WA
- Baldock JR**, Brown C, Hedley E, Keefe R, Logan R, Serritello S, & Truong K (2013). El pez león invasor en Bocas del Toro, Panamá. *School for Field Studies Research Symposium*. May 2. Isla Solarte Research Station, Solarte, Panama.

* indicates poster presentation

AWARDS, HONORS, AND GRANTS RECEIVED

2020	Western Ecosystems Technology Research Award for Quantitative Analysis in Wildlife and Fisheries Ecology (\$3,000)
2020	Vern Bressler Fisheries Fund Scholarship (\$1,200)
2019	Jackson Hole One Fly Foundation – Research Grant (\$37,368)
2019	Lyman and Margie McDonald Research Awards for Quantitative Analysis in Wildlife and Fisheries Ecology (\$6,000)
2019	Jackson Hole One Fly – Dennis Anderson Memorial Scholarship (\$4,000)
2014	Mary Gates Research Fellowship, University of Washington (\$2000)
2010-2014	University of Washington Dean's List (7 terms)
2014	Thomas and Mary Peck Scholarship (\$1500)
2013	Galen and Helen Maxfield Endowed Fisheries Scholarship (\$1500)
2012	H.M. Keeler Lake Washington Fund in Fisheries Scholarship (\$1000)

2010 Seven Hills Alumni Scholarship (\$1000)
2010 California Scholarship Federation Award

PROFESSIONAL ACTIVITIES

- Peer Reviewer (Journal of the American Water Resources Association)
 - American Fisheries Society, member (2018-present)
 - Ecological Society of America, member (2014-2015)
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OUTREACH AND VOLUNTEER ACTIVITIES

2019 Project interview with Grand Teton Foundation (Jackson, WY)
2019 Field site visit with WY state senators, WY Wildlife and Natural Resource Trust, and Trout Unlimited (Jackson, WY)
2018 UW-ASP Chignik Public Meeting – Research Activities Update (Chignik, AK)
2018 Hands-on salmon biology workshop for kids (Chignik, AK)
2013 Hands-on stream ecology of the Pacific Northwest (Mill Creek, WA)
2013 Presented results of original research to indigenous island communities (Bocas del Toro, Panama)
2013 SYRCL Wild and Scenic Film Festival (Nevada City, CA)
2011 Friends of the Cedar River Watershed – educational materials development (Seattle, WA)
2010 Nevada Union High School Volleyball Clinic – coach (Nevada City, CA)

CERTIFICATIONS

- Wilderness First Aid (2016, 2018)
 - CPR/AED (2016, 2018)
 - Electrofishing Techniques (2020)
 - Open Water Diver
 - IACUC Animal Use Laws and Regulations
 - CITI Wildlife Research
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SKILLS AND ETC.

- Otolith microchemistry (LA-ICPMS)
- Manuscript preparation and review
- R Statistical Programming
- Data analysis and manipulation
- Spanish language (conversational)
- Outboard propeller and jet boat operation and maintenance
- Proven leadership ability
- Proven ability to work long, strenuous days in remote areas
- Microsoft Office Suite
- Global Position System use
- Aquatic research methods (spawning ground surveys, stream discharge monitoring, maintenance of data logger networks, PIT & disk tagging, electrofishing, beach & stick seining, gastric lavage,

macroinvertebrate excretion, BOM sampling, chlorophyll a sampling and processing, reciprocal transplant and mesocosm experiments, etc.)

REFERENCES

- Annika Walters Associate Professor. Dept. of Zoology and Physiology, Univ. of Wyoming.
annika.walters@uwyo.edu
- Daniel Schindler Professor. School of Aquatic and Fishery Sciences, Univ. of Washington.
deschind@uw.edu; (USA) 206-616-6724
- Jonathan Armstrong Assistant Professor. Dept. of Fisheries and Wildlife, Oregon State Univ.
jonathan.armstrong@oregonstate.edu