

Ethan S. Duvall

last updated 11/15/2022

Cornell University
Department of Ecology & Evolutionary Biology
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EDUCATION

PhD | Cornell University, Department of Ecology and Evolutionary Biology **2020–present**
Advisor: Dr. Alex Flecker

BS | Western Washington University, Huxley College of the Environment **2016–2019**
Environmental Science - Emphasis: Terrestrial Ecology

HONORS AND AWARDS

- Amazon Center for Environmental Education and Research ([ACEER](#)) Conservation Fellow: 2022
- Theodore Gordon Flyfishers ([TGF](#)) Scholar Award: 2021
- Cornell University First-year Graduate Fellow in Life Sciences: 2020
- Thomas Henry Huxley Award Recipient – **“This award recipient demonstrated exceptional scholastic achievement and has been involved in the community, served Huxley College, and has shown all-around excellence in environmental studies”** 2019
- Honorary Commencement Speaker - College of the Environment: 2019

PUBLICATIONS

- Duvall, E. and McLaughlin, J. ([In review](#)). River-dependent birds measure restoration following Elwha Dam removals. *Ecological Indicators*
- Duvall, E., Schwabe, E., Steenma, K. ([In review](#)). A rare win-win between farmers and apex-predators: investigating the relationship between eagles on dairy farms. *Ecosphere*
- Duvall, E., Griffiths, B., Clauss, M., and A. Abraham ([In review](#)). Allometry of sodium requirements and mineral lick use among herbivorous mammals. *J. of Animal Ecology*
- Abraham A., Duvall, E., le Roux, E., Ganswindt, A., Clauss, M., Doughty, C., and A. Webster ([In review](#)) Anthropogenic supply of nutrients in a wildlife reserve may compromise conservation success. *Conservation Biology*
- Abraham A., Duvall E., Ferraro K., Webster A., Doughty C., Roux E., Ellis-Soto, D. (**2022**). Understanding anthropogenic impacts on zoogeochemistry is essential for ecological restoration. *Restoration Ecology*
- Duvall, E. (**2022**). Spatiotemporal responses of bald eagles to changes in salmon carcass availability in the Pacific Northwest. *Northwest Science*

- Buchanan, B., Sethi, S., Cuppett, S., Jackman, G., Lung, M., Zarri, L., **Duvall, E.**, et al. (2022) A machine learning approach to identify barriers in stream networks demonstrates high prevalence of unmapped riverine dams. *Journal of Environmental Management*

PRESENTATIONS

- **Duvall, E.**, Flecker, A., Derry, L. (2022) Stoichiometry of birds and implications for ecosystem ecology. *Ecological Society of America (ESA) Conference*
- **Duvall, E.**, McLaughlin, J. (2022) Riverbird responses to dam removals on the Elwha River. *Salish Sea Ecosystem Conference*
- **Duvall, E.**, McLaughlin, J. (2021) Riverbird responses to dam removals on the Elwha River. *Olympic National Park Science Symposium*
- **Duvall, E.** (2019) Nooksack River Bald Eagles: Current Status and Conservation Recommendations. *Whatcom Wildlife Advisory Committee*
- **Duvall, E.**, Jones, R., and Pollack, S. (2018) River-dependent bird responses to impacts of dam removal. *Western Washington University Scholars Week*

RESEARCH GRANTS

- 2022: USFQ-Cornell Global Strategic Collaboration Awards (*In review*, \$10000 total)
- 2022: Cornell Lab of Ornithology Experiential Learning Grant (\$5000)
- 2022: Cornell Agriculture & Life Sciences Graduate Travel Fund (\$2000)
- 2022: Theodore Gordon Flyfisher's Scholar Award (\$5000)
- 2020: The Athena Fund for Research at the Cornell Lab of Ornithology (\$5635)
- 2020: Sustainable Biodiversity Fund; Atkinson Center for Sustainability (\$7000)
- 2019: Dean's Fund of Sustainability Studies Award; Huxley College of the Environment (\$1000)
- 2018: Washington Chapter of The Wildlife Society Research Grant Award (\$600)

PROFESSIONAL & ACADEMIC POSITIONS

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|---|---------------------|
| • Teaching Assistant Cornell University, Ithaca, NY | 2020-current |
| • GIS Program Lead Cascade Water Alliance, Bellevue, WA | 2018-2020 |
| • Environmental Intern Cascade Water Alliance, Bellevue, WA | 2017-2018 |
| • Teaching Assistant, Env. Sci. Field Camp WWU, Bellingham, WA | 2019 |
| • Field Technician Washington Department of Fish and Wildlife, Bellingham, WA | 2017-2018 |
| • Wildlife Monitoring Technician WWU Department of Biology, Bellingham, WA | 2016-2017 |
| • Outdoor Recreational Guide Compass Outdoor Adventures, North Bend, WA | 2014-2017 |
| • Committee Member North Bend Parks and Rec. Committee, North Bend, WA | 2014-2016 |

SCIENCE COMMUNICATION & OUTREACH

- Duvall, E. (2020, June 20). [Why save water in the PNW? \[Blog post\]](#)
- Duvall, E. (2019, December 11). [Eagles, Salmon, and a Free-flowing River \[Blog post\]](#)

- Speech given at the 2019 Huxley College of the Environment commencement ceremony:
[“2019 Huxley Graduation THH Winner Ethan Duvall Speech”](#)
- Short film about my undergraduate research, produced by Western Washington University:
[“WWU Give Day ’19 Video | Ethan Duvall | Huxley Ecology Research”](#)
- Video I directed promoting community engagement in keeping rivers clean:
[“Protecting Clean Water as a Community #WeNeedWater”](#)

 - Instagram: <https://www.instagram.com/ethanduvall.ecology/> (4456 followers)

 - Twitter: <https://twitter.com/DuvallEcology>

LEADERSHIP POSITIONS

- President: Tropical Biology & Conservation GSA: **2022-present**
- Vice President: Tropical Biology & Conservation GSA: **2021-2022**
- Treasurer: Biogeochemistry GSA: **2021-2022**
- Committee Member: North Bend Parks and Recreation: **2014-2016**

ACTIVITIES AND VOLUNTEER WORK

- Youth Mentor, [The Learning Web](#), Ithaca, NY: **2021-present**
- EEB Grad Student Recruitment Committee member, Cornell University, NY: **2021-present**
- Volunteer: Salish Sea Ecosystem Conference: **2018**
- Volunteer: Vine Deloria Jr. Indigenous Studies Symposium: **2019**
- Volunteer: Wildlife Monitoring Technician, WWU Department of Biology: **2016-2017**
- High school varsity soccer captain, MVP, and 1st Team All-Conference Player: **2015-2016**
- Co-founder: Be the Change Leadership Conference: **2011-current**

SKILLS AND CERTIFICATES

- River Studies and Leadership Certificate: River Science emphasis
- Software: R, RStudio, NetLogo, ArcGIS Pro; ArcGIS Online; ESRI Products; QGIS
- Remote sensing image analysis; LiDAR data analysis
- Web Map Application Development; Cartography
- Wildlife Survey Methods: songbird identification, camera trapping, etc.

PROFESSIONAL MEMBERSHIPS

- Ecological Society of America member: **2022-present**
- River Management Society member: **2022-present**
- Northwest Scientific Association: **2021-present**
- Washington Chapter of Wildlife Society member: **2019-2021**