

Tessa Code

Curriculum Vitae

CONTACT

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School of Aquatic and Fishery Sciences
University of Washington
Seattle, WA 98195-5020

EDUCATION

M.S. student, School of Aquatic and Fishery Sciences, University of Washington. Advised by Dr. Mark Scheuerell & Dr David Beauchamp. (2021- present)

B.S. Biology & Environmental Sciences, Santa Clara University (2013)

PROFESSIONAL EXPERIENCE

NSF GRFP Fellow <i>University of Washington, Seattle, WA</i>	2021 – Present
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Pathways Student <i>USGS Western Fisheries Research Center, Seattle, WA</i>	2022 – Present
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Biological Science Technician <i>USGS Western Fisheries Research Center, Seattle, WA</i>	2019 – 2022
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Citizen Science Instructor <i>Seattle Aquarium, Seattle, WA</i>	2019
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Marine Debris Technician <i>NOAA Pacific Island Fisheries Science Center, Honolulu, HI</i>	2018
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Biological Science Technician <i>National Park Service, St Croix, USVI</i>	2015 – 2018
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Pathways Student <i>National Park Service, St Croix, USVI</i>	2015
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Research Assistant <i>FIU Shark Bay Ecosystem Research Project, Australia</i>	2014
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AmeriCorps Intern <i>National Park Service, St Croix, USVI</i>	2013
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Field and Lab Research Assistant <i>Santa Clara University, Santa Clara & Bishop, CA</i>	2012
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Summer Field Research Assistant <i>Santa Clara University, Chico, CA</i>	2012
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Research Intern <i>CIEE Research Station, Kralendijk, Bonaire</i>	2011
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Last updated: 22 April 2024

AWARDS

- WACFWRU Gilbert Pauley Award for Best Student Presentation (\$1000 travel funds awarded 2023)
- National Science Foundation Graduate Research Fellowship (awarded in 2021)
- WALPA Dave Lamb Scholarship (\$2000, awarded 2022)
- USGS Individual Performance Award (2020, 2021)
- NPS Star Award (2015, 2016, 2017)
- Deans Scholarship (2009-2013)

GRANTS

- SAFS Research Grant – HM Keeler Fund in Fisheries (\$3800, awarded 2022)
- SAFS Research Grant – HM Keeler Fund in Fisheries (\$3500, awarded 2021)

PRESENTATIONS

Planktivorous fish response to in situ artificial and natural light variability in Lake Washington, WA”, World Fisheries Congress, March 4, 2024.

Quantifying the effect of artificial light at night on juvenile salmon predation in an urban lake. Oral presentation at the Washington Cooperative Fish and Wildlife Research Unit Symposium, October 18, 2023

Quantifying the effect of artificial light at night on planktivorous fish in Lake Washington, WA. Oral presentation at the WALPA Conference. October 4, 2023, Tacoma, WA. Invited speaker

Artificial Light at Night and Predation Risk in Lake Washington, Lake Sammamish, the Sammamish River, and the Ship Canal. Oral presentation at the WRIA8 Technical Meeting, September 21, 2023, Renton, WA

The threat of artificial light to young salmon in Lake Washington. Oral presentation at the Seattle Town Hall Speaker Series, May 22, 2023, Seattle WA. Invited speaker

More lights, fewer sockeye? Characterizing artificial light at night in Lake Washington. Oral presentation, Graduate Student Symposium – University of Washington, November 4, 2021, Seattle, WA.

Fighting the Permanence of Plastic: a Pacific Islands Clean-up Story. Oral presentation, Seattle Rotary Club #4 presentation, February 12, 2020, Seattle, WA.

The Effects of Hurricanes Irma and Maria on Shoreline Erosion at Buck Island Reef National Monument. Oral Presentation, monthly National Park Service public presentation at the University of the Virgin Islands, February 2018 in St Croix, USVI.

Buck Island Sea Turtle Research Program: Adaptive Management, Coastal Change, and Erosion Impacts. Poster presentation at the International Sea Turtle Symposium, April 15-20, 2017 in Las Vegas NV.

Buck Island Sea Turtle Research Project—2015 Update. Oral presentation, a segment of the National Park Service monthly public presentations, December 10, 2015 at the Christiansted National Historical Monument, St Croix, USVI.

Effects of differences in hole size in artificial reefs on coral reef fish communities. Oral presentation at the CIEE public presentation series, December 5, 2011, at the CIEE Bonaire Field Station.

PUBLICATIONS

Johnson, R.C., Hoy, M.S., Stenberg, K.D., Mclean, J.H., Jensen, B.L., **Code, T.J.**, Ostberg, C.O. and Beauchamp, D.A., (2024). Shift in piscivory by salmonids following invasion of a minnow in an oligotrophic reservoir. *Ecology of Freshwater Fish*, p.e12778.

Johnson, R.C., **T.J. Code**, K.D. Stenberg, J.H. Mclean, B.L. Jensen, M.S. Hoy, and D.A. Beauchamp. In Press. Change in growth and prey utilization for a native salmonid following invasion by an omnivorous minnow in an oligotrophic reservoir. *Hydrobiologia*.

Johnson, R.C., B.L. Jensen, **T.J. Code**, J.J. Duda, and D.A. Beauchamp. In Press. Prey availability and predation as potential limitations to feasibility of anadromous salmonid introductions in a high-head reservoir. *Water*.

Schulien, J.A.; **Code, T.**; DeGasperi, C.; Beauchamp, D.A.; Tonus Ellis, A.; Litt, A.H. (2023) Annual and Interannual Variability in the Diffuse Attenuation Coefficient and Turbidity in Urbanized Washington Lake from 2013 to 2022 Assessed Using Landsat-8/9. *Remote Sens.*, 15, 5055. <https://doi.org/10.3390/rs15205055>

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- Jensen, B. L., Johnson, R. C., Duda, J. J., Ostberg, C. O., **Code, T. J.**, Mclean, J. H., Stenberg, K. D., Larsen, K. A., Hoy, M. S., & Beauchamp, D. A. (2023). Growth performance of Rainbow Trout in reservoir tributaries and implications for steelhead growth potential above Skagit River dams. *North American Journal of Fisheries Management*, 43, 1427–1446. <https://doi.org/10.1002/nafm.10944>
- Toth LT, Storlazzi CD, Kuffner IB, Quataert E, Reynolds J, McCall R, Stathakopoulos A, Hillis-Starr Z, Holloway NH, Ewen KA, Pollock CG, **Code T**, Aronson RB. (2023) The potential for coral reef restoration to mitigate coastal flooding as sea levels rise. *Nat Commun.*, 14(1):2313. doi: 10.1038/s41467-023-37858-2. PMID: 37085476; PMCID: PMC10121583.
- Randall, C. J., Whitcher, E. M., **Code, T.**, Pollock, C., Lundgren, I., Hillis-Starr, Z., & Muller, E. M. (2018). Testing methods to mitigate Caribbean yellow-band disease on *Orbicella faveolata*. *PeerJ*, 6, e4800. <https://doi.org/10.7717/peerj.4800>

GOVERNMENT REPORTS

- Beauchamp, D.A., Hoy, M., Wetzel, L., Muehlman, J., Stenberg, K., Mclean, J., **Code, T.**, Elder, N., Larsen, K. (2020) Trophic Relationships of Resident Chinook and Coho Salmon and the Influence of Artificial Light at Night (ALAN) on Predation Risk During Early Marine Life Stages of Juvenile Salmon and Forage Fishes in Puget Sound. (Interim Report to Long Live the Kings, Salish Sea Marine Survival Project)
- Amir, Z., **Code, T.**, Hanna Holloway, N., Pollock, C., Hillis-Starr, Z. (2017). Buck Island Sea Turtle Research Program: Data Summary and Hurricane Appendix. (distributed to USVI territorial government, USFWS, and USGS partners)
- Afshar, M., Hillbrand, P., **Code, T.**, Besemer, N., Pollock, C., Hillis-Starr, Z. (2016). Buck Island Sea Turtle Research Program: Data Summary (distributed to USVI territorial government, USFWS, and USGS partners)
- Packard, A., **Code, T.**, Kent, M., Pollock, C., Hillis-Starr, Z. (2015). Buck Island Sea Turtle Research Program: Data Summary (distributed to USVI territorial government, USFWS, and USGS partners)
- The Buccaneer Hotel Beach Sea Turtle Nesting Activity Data Summary. (2014). National Park Service Buck Island Sea Turtle Research Program 2014. St Croix, US Virgin Islands.