University of Rhode Island | Lotic Lab
Emma Lundberg, Jon Vander Werff, Caroline Gottschalk Druschke

PAPERS IN PRINT & IN PRESS

- Hychka, K. C., & Druschke, C. G. Adaptive Management of Urban Ecosystem Restoration: Learning from Restoration Managers in Rhode Island, U.S.A. *Society and Natural Resources*.
- Druschke, C. G., Lundberg, E., Drapier, L., & Hychka, K. C. "Centring Fish Agency in Coastal Dam Removal and River Restoration." *Water Alternatives*, special issue on "Dam Removal: New Environments and New Landscapes? Social, Cultural and Political Issues."
- Lundberg, E., Druschke, C. G., McGreavy, B., Randall, S., Quiring, T., Fisher, A., Soluri, F., Dallas, H., Hart, D., & Gardner, K. "Media Coverage, Public Opinion, and Communication about Hydropower, Dams, and Climate Change." *Oxford Encyclopedia of Climate Change Communication*.
- Druschke, C. G., & Rai, C. "Making Worlds with Cyborg Fish." Included in *Tracing Rhetoric and Material Life: Ecological Approaches*, edited by B. McGreavy, G. McHendry, S. Senda-Cook, and J. Wells. Palgrave Macmillan's Studies in Media and Environmental Communication Series.



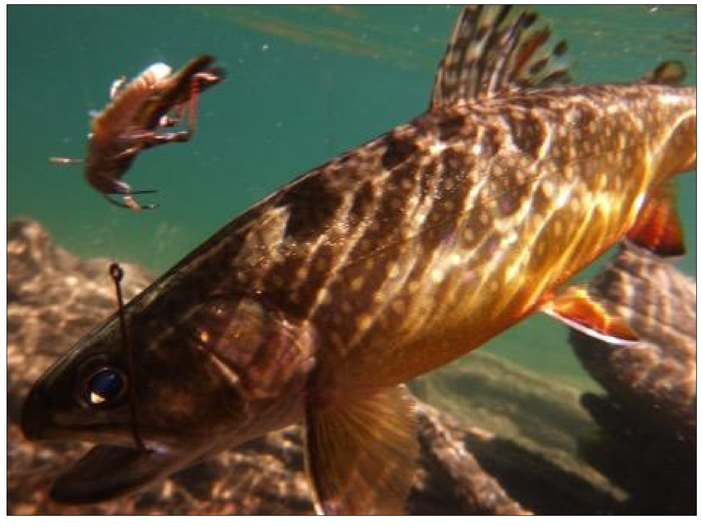


PAPER IN REVIEW

- Lundberg, E., C. G. Druschke, and A. Lehrer. "Reimagining Dam Removal in Resistance to Settler Colonial Logics." Under review for an edited volume on water, eds. Robert Boschman, Connie Van Der Byl, Michael Quinn, and Sonya Jakubec.

PAPERS IN PROCESS

- Lundberg, E., T. Morrill, J. C. Vander Werff, and C. G. Druschke. "Brook Trout Conservation and Stream Connectivity Barriers: A Review."
- Miller, M., et al. "An Assessment of Barriers to Fish Passage in Streams and Rivers of the Driftless Area Ecoregion Caused by Roadway Culverts and Bridges."



BROOK TROUT & DAM RELATED WATER TEMPERATURE

The thermal threshold for brook trout is ~22 degrees Celcius

- Measurements of water temperature in the Beaver River from April to current date have been recorded. The water temperature did not exceeded 21 degrees during the warmest part of the summer.
- The study area was 5 miles long, with 2 manmade dams, 3 major beaver dams and a mutitude of smaller less significant beaver dams aswell.
- Distribution of the brook trout were very plentiful. Large reproducing adults inhabitited most pools, while juviniles inhabited the swift velocity of riffles and runs between areas where adults resided.
- Brook trout distribution observed using rod & reel, snorkel surveys

MAIN NODES OF RESEARCH & METHODS

- ➔ Brook trout and termperature
- ➔ Opening day angler survey
- ➔ Summer field work
  - participant observation
  - snorkel, rod & reel, contextual analyses
- → Semi-structured interviews
  - fishermen, dam-related participants
- → Theory
  - multispecies relationships, settler colonialism
    - recreational-biodiversity conflict

SELECTED PRESENTATIONS

- "Embodied Realities of Brook Trout (*Salvelinus fontinalis*): How Divergent Skin-to-scale Relationships Shape Recreation-biodiversity Conflict, Rhode Island, USA." Paris, France.
- "Representations of Dam Tradeoffs by Managers, Media, and Community Members in New England USA." Rennes, France.
- "The Future of Dams: Developing a stakeholder-engaged, solutions-focused framework for decision-making." International Conference on River Connectivity, Amherst, Mass.
- "What Cyborg Fish Can Teach Us About Rhetoric, Ecology, and Engagement in the Anthropocene." Under Western Skies, Calgary, Alberta, Canada.
- "Trophic Rhetoric and the Micropolitics of (Other-than-)Human Dam Activism Across the US, France, and Chile." International Rhetoric Workshop, Uppsala, Sweden.
- "Has Critique Run Out of Stream? Roles for (Post-)Critique in River Restoration," Association for the Rhetoric of Science, Technology, and Medicine, Philadelphia, Pennsylvania.

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