

Tyler R. Funnell

Fish Biologist

U.S. Geological Survey, Great Lakes Science Center, Hammond Bay Biological Station, Millersburg, MI
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EDUCATION

M.S. in Fisheries and Wildlife (GPA: 4.0), 2020-2022

Michigan State University, East Lansing, MI

Thesis: Spatial and thermal ecology of lake trout (*Salvelinus namaycush*) in Lake Erie.

Advisors: Dr. Chris Vandergoot and Dr. Travis Brenden

B.S. in Biology (Summa Cum Laude; GPA: 3.9), 2016-2019

Central Michigan University, Mount Pleasant, MI

RESEARCH EXPERIENCE

Fish Biologist, July 2022-present

Hammond Bay Biological Station, U.S. Geological Survey – Great Lakes Science Center

Graduate Research Assistant, May 2020-August 2022

Quantitative Fisheries Center, Department of Fisheries and Wildlife, Michigan State University

Research Assistant, January 2017-May 2020

Dr. Peter Dijkstra Research Lab, Department of Biology, Central Michigan University

Seasonal Fisheries Technician, May 2019-August 2019

Little River Band of Ottawa Indians, Manistee, MI

PUBLICATIONS

Funnell, T.R., T.O. Brenden, R. Kraus, T. MacDougall, J. Markham, C. Murray, J. Robinson, and C.S. Vandergoot. In press. Seasonal spatial ecology of Lake Trout in Lake Erie. *Transactions of the American Fisheries Society*. DOI: 10.1002/tafs.10430

Funnell, T.R., R.J. Fialkowski, and P.D. Dijkstra. 2022. Social dominance does not increase oxidative stress in a female dominance hierarchy of an African cichlid fish. *Ethology*. 128: 15-25. DOI: 10.1111/eth.13232

Border, S.E., T.J. Piefke, **T.R. Funnell**, R.J. Fialkowski, J. Sawecki, and P.D. Dijkstra. 2021. Social instability influences rank-specific patterns of oxidative stress in a cichlid fish. *Journal of Experimental Biology*. 224(19). DOI: 10.1242/jeb.237172

Border, S.E., T.J. Piefke, R.J. Fialkowski, M.R. Tryc, **T.R. Funnell**, G.M. DeOliveira, and P.D. Dijkstra. 2019. Color change and pigmentation in a color polymorphic cichlid fish. *Hydrobiologia*. 832: 175-191. DOI: 10.1007/s10750-018-3755-0

PRESENTATIONS

Funnell, T., E. Gaskell, C. Holbrook, D. Hondorp, and X. Tan. 2023, August. Detection efficiency of an unmanned surface vehicle as a mobile receiver platform. American Fisheries Society, Grand Rapids, MI. [Oral Presentation]

Funnell, T.R., C.S. Vandergoot, T.O. Brenden. 2022, March. Seasonal habitat use of lake trout in Lake Erie. Michigan American Fisheries Society, Sault Ste. Marie, MI. [Oral presentation]

- Funnell, T.R.**, C.S. Vandergoot, T.O. Brenden. 2022, March. Seasonal habitat use of lake trout in Lake Erie. United States Geological Survey Great Lakes Science Center Science Seminar, Virtual. [Invited seminar]
- Funnell, T.R.**, C.S. Vandergoot, T.O. Brenden. 2022, February. Seasonal habitat use of lake trout in Lake Erie. Fisheries and Wildlife Graduate Student Organization Research Symposium, East Lansing, MI. [Oral presentation]
- Funnell, T.R.**, R.J. Failkowski, P. Aufdemberge, P.D. Dijkstra. 2019, April. Does oxidative stress and the cost of social dominance differ in males and females? Student Research and Creative Endeavors Exhibition, Mt. Pleasant, MI. [Poster presentation]
- Funnell, T.R.**, T.J. Piefke, P.D. Dijkstra. 2019, March. Social stability alters color phenotype in a color polymorphic cichlid fish. Animal Behavior Conference, Bloomington, IN. [Poster presentation]

RESEARCH GRANTS

- Funnell, T.R.**, T. Binder, C.H. Holbrook, and E. Marsden. Lake whitefish use of constructed and natural reefs in Thunder Bay, Lake Huron: an amendment to "Habitat use and movement patterns across the lake whitefish stock complex in Lake Huron". Great Lakes Fishery Commission. 2023-2026. \$30,297.

HONORS AND AWARDS

- Summa Cum Laude, *Central Michigan University*: 2019
- Best Poster Presentation Award, *Biology Undergraduate Research Symposium, Central Michigan University*: 2019
- George R. Wheeler Scholarship, *Central Michigan University*: 2017-2019
- Incoming Freshman Scholarship, *Central Michigan University*: 2016-2019
- Academic Prestige Award, *Central Michigan University*: 2016-2019
- President's List, *Central Michigan University*: Fall 2019, Spring 2019, Fall 2017
- Dean's List, *Central Michigan University*: Fall 2018, Spring 2018, Spring 2017, Fall 2016
- Summer Scholar Award, *Central Michigan University*: 2018