

Paris D. Collingsworth
Curriculum Vitae

Aquatic Ecology Laboratory
Department of Evolution, Ecology
and Organismal Biology
The Ohio State University

1314 Kinnear Road
Columbus, OH 43212-1156
Phone: 614 292-1613
collingsworth.8@osu.edu

Educational Background:

- B.S. Graduated Cum Laude, 1998. Samford University. Birmingham, AL. Major: Biology.
- M.S. Graduated 2003. Southern Illinois University. Carbondale, IL. Major: Zoology. Advisor: Chris Kohler. Thesis title: Abundance and habitat use of congeneric sunfish among different macrophytes in the littoral zone of a temperate latitude reservoir.
- Ph.D. September 2003 – Present. The Ohio State University. Columbus, OH. Major: Evolution, Ecology, and Organismal Biology. Advisor: Elizabeth Marschall. Dissertation title: Assessing the potential for differential contributions of spawning stocks to Lake Erie yellow perch populations.

Financial Support: Stipend

Graduate Research Associate. 2003 – Present. The Ohio State University. Columbus, OH. Supported by an Ohio Division of Wildlife Grant titled: Assessing the potential for differential contributions of spawning stocks to Lake Erie yellow perch populations. PI: Elizabeth Marschall.

Graduate Teaching Associate. 2004, 2006, 2008. Department of Evolution, Ecology, and Organismal Biology, The Ohio State University. Columbus, OH. EEOB 647. Plankton. Fall 2004 and EEOB 413. Introduction to Ecology. Fall 2006, Winter 2008.

Graduate Research Assistant. 2000 – 2003. Southern Illinois University. Carbondale, IL. Supported by an Illinois Department of Natural Resources Grant titled: Illinois Lake Vegetation Project. PIs: Chris Kohler and Roy Heidinger.

Undergraduate Research Assistant. 1997. Samford University. Birmingham AL. Advisor: Robert Stiles.

Financial Support: Research

Ohio Division of Wildlife. 2003 – Present. The Ohio State University. Columbus, OH. Assessing the potential for differential contributions of spawning stocks to Lake Erie yellow perch populations. PI: Elizabeth Marschall.

NOAA Interjurisdictional Fisheries Act. 2004 – 2007. The Ohio State University. Columbus, OH. Chemical composition and ring formation of percid otoliths: effects of elemental concentration and temperature. PI: Elizabeth Marschall.

Lake Erie Protection Fund. 2004 - Present. The Ohio State University. Columbus, OH. Supported by a Lake Erie Protection Fund Grant titled: Effect of temperature and elemental concentration on the chemical composition of juvenile percid otoliths. PI: Elizabeth Marschall.

Awards:

Ray Travel Award, The Ohio State University, 2004
Graduate Travel Grant, North American Lake Management Society, 2004
Student Travel Grant, International Association for Great Lakes Research, 2008

Membership in Honor Societies:

Phi Kappa Phi, Southern Illinois University Chapter. 2003.

Memberships in Professional Organizations

American Fisheries Society. 2001 – present.
International Association of Great Lakes Research. 2007 – present.
American Association for the Advancement of Science. 2007 – present.
Sigma Xi, The Ohio State University Chapter, Full member. 2008.

Refereed Publications:

Collingsworth, P.D., T.L. Bray, and G.K. Christopher. 2000. Crystal growth via computer controlled vapor diffusion. *Journal of Crystal Growth*. 219: 283-289.
Collingsworth, P.D., R.A. Oster, C.W. Hickey, R.C. Heidinger, and C.C. Kohler. 2007. Effect of Propagule Type and Holding Method on Survival of Transplanted Water Willow (*Justicia americana*). *Journal of Aquatic Plant Management*. 45:61-63.
Potoven, S.A., S.A. Ludsin, T.O. Hook, D.L. Fanslow, D.L. Mason, **P.D. Collingsworth**, and J.J. Van-Tassell. An evaluation of bioelectrical impedance analysis for estimating fish energy, lipid, and water content. **In press**. *Transactions of the American Fisheries Society*. (20 text pages, 2 figures, 4 tables).

Submitted manuscripts:

Collingsworth, P.D., R.A. Oster, C.W. Hickey, R.C. Heidinger, and C.C. Kohler. Factors Affecting Water Willow Establishment in a Large Reservoir. **In review: Lake and Reservoir Management**. (20 text pages, 4 figures, 3 tables).
Collingsworth, P.D. and C.C. Kohler. Abundance and habitat use of juvenile bluegill among different macrophyte stands. **In review: North American Journal of Fisheries Management**. (21 text pages, 5 figures, 1 table).

Manuscripts in Preparation:

Collingsworth, P.D., J.J. Van-Tassell, J.W. Olesik, and E.A. Marschall. Effects of temperature and elemental concentration on the chemical composition of juvenile yellow perch otoliths. (16 text pages, 6 figures, 1 table).

Collingsworth, P.D. and E. A. Marschall. Variation in yellow perch female reproductive characteristics in Lake Erie. (20 text pages, 8 figures, 2 tables)

Non-Refereed Publications:

Heidinger, R.C., C.C. Kohler, **P.D. Collingsworth**, C.W. Hickey, and R. Oster. 2001. Illinois lake vegetation project (F-140-R): Annual Performance Report.

Heidinger, R.C., C.C. Kohler, **P.D. Collingsworth**, C.W. Hickey, and R. Oster. 2002. Illinois lake vegetation project (F-140-R): Annual Performance Report.

Heidinger, R.C., C.C. Kohler, **P.D. Collingsworth**, C.W. Hickey, and R. Oster. 2003. Illinois lake vegetation project (F-140-R): Final Performance Report.

Collingsworth, P.D. Abundance and habitat use of congeneric sunfish among different macrophytes in the littoral zone of a temperate latitude reservoir. Master's Thesis. Southern Illinois University. Carbondale, IL.

Invited presentations: (Presenting author in bold):

Van-Tassell, J.J., P.D. Collingsworth, J. Olesik, and E.A. Marschall. 2007 Interpreting elemental patterns in otoliths; interaction between water elemental concentration and temperature. Oral presentation. 137th Annual Meeting of the American Fisheries Society. San Francisco, CA.

Contributed presentations: (Presenting author in bold):

Collingsworth, P.D. and E.A. Marschall. 2008. Yellow perch spawning behavior in the western basin of Lake Erie. Poster presentation. 51st Annual Meeting of the International Association for Great Lakes Research. Peterborough ON, 20 May.

Collingsworth, P.D. and E.A. Marschall. 2008. Variation in early growth and August length of age-0 yellow perch and their relationship with recruitment. Ohio Department of Natural Resources, Division of Wildlife Annual Research Review. Columbus, Ohio, 22 February.

Collingsworth, P.D., and E.A. Marschall. 2008 Spatial and temporal variation in female yellow perch reproductive condition in Lake Erie. Oral presentation. Darwin Award Competition, Department of EEOB, The Ohio State University, Columbus, Ohio, Columbus OH, 14 February.

Van-Tassell, J.J., P.D. Collingsworth, J. Olesik, and E.A. Marschall. 2008. Interpreting elemental patterns in otoliths; interaction between water elemental concentration and temperature. Oral presentation. Darwin Award Competition, Department of EEOB, The Ohio State University, Columbus, Ohio, Columbus OH, 14 February.

Collingsworth, P.D., and E.A. Marschall. 2007 Spatial and temporal variation in female yellow perch reproductive condition in Lake Erie. Oral presentation. 137th Annual Meeting of the American Fisheries Society. San Francisco, CA.

- Cudney, J., P.D. Collingsworth, A.M. Gorman, and C. Knight.** 2007 Spatial relationships between young-of-year yellow perch (*Perca flavescens*) and predators in the central basin of Lake Erie. Oral presentation. 137th Annual Meeting of the American Fisheries Society. San Francisco, CA.
- Collingsworth, P.D.** and E.A. Marschall. 2007. Yellow perch spawning patterns in the western basin of Lake Erie. Ohio Department of Natural Resources, Division of Wildlife Annual Research Review. Columbus, Ohio, 24 January.
- Collingsworth, P.D., J.J. Van-Tassell, J. Olesik, and E.A. Marschall.** 2006 The influence of temperature and water elemental concentrations on elemental uptake in yellow perch otoliths.. Oral presentation. 136th Annual Meeting of the American Fisheries Society. Lake Placid, NY.
- Collingsworth, P.D.** and E.A. Marschall. 2006. Spatial and temporal comparisons of female yellow perch condition in Lake Erie. Ohio Department of Natural Resources, Division of Wildlife Annual Research Review. Columbus, Ohio, 24 January.
- Groll, T.L., P.D. Collingsworth, J. Cudney, and E.A. Marschall.** 2005. Within-population spatial differences in maternal condition of yellow perch. The Ohio State University 10th Annual Denman Undergraduate Research Forum. Columbus, OH.
- Collingsworth, P.D.** and E.A. Marschall. 2005. Assessing the potential for differential contributions of spawning stocks to Lake Erie yellow perch populations. Ohio Department of Natural Resources, Division of Wildlife Annual Research Review. Columbus, Ohio, 27 January.
- Collingsworth, P.D., R.A. Oster, C.W. Hickey, R.C. Heidinger, and C.C. Kohler.** 2004 Methods for establishing water willow in reservoir enhancement projects Oral presentation. Annual Meeting of the North American Lake Management Society. Victoria, BC.
- Collingsworth, P.D., R.A. Oster, C.W. Hickey, R.C. Heidinger, and C.C. Kohler.** 2004. Establishing water willow to enhance reservoir habitat. Oral presentation. 134th Annual Meeting of the American Fisheries Society. Madison, WI.
- Collingsworth, P.D.** and C.C. Kohler. 2003. Abundance and habitat use of congeneric sunfish among different macrophytes in the littoral zone of Cedar Lake, IL. Oral presentation. 40th Annual Meeting of Illinois AFS. Rend Lake, IL.
- Collingsworth, P.D., C.W. Hickey, R.A. Oster, C.C. Kohler, and R.C. Heidinger.** 2002. Methods for the establishment of water willow in two southern Illinois reservoirs. Oral presentation. 39th Annual Meeting of Illinois AFS. Moline, IL.

Professional Service:

Manuscript Review:

Transactions of the American Fisheries Society,
North American Journal of Fisheries Management.

Co-reviewer (with advisor):

Canadian Journal of Fisheries and Aquatic Sciences,
Journal of the North American Benthological Society,
Northeastern Naturalist

Department of Evolution, Ecology, and Organismal Biology, The Ohio State University:

EEOB Seminar committee member. 2004 and 2008. The Ohio State University.
Columbus, OH

Volunteer:

Oral presentation judge. 2003. 133rd Annual Meeting of the American Fisheries Society
Women in Science Day. 2004 – present.. Aquatic Ecology Laboratory, Columbus OH
Arts and the Environment. 2004 – present Aquatic Ecology Laboratory, Columbus OH
Volunteer Judge. 2004, 2005. St. Andrew's Junior High School Science Fair

Undergraduate students supervised:

Groll, Tyler. 2005. Within-population spatial differences in maternal condition of
yellow perch. Undergraduate Research Project.
Nims, Megan. In progress. Determination of elemental uptake rate in the early life stages
of walleye (*Sander vitreus*). Undergraduate Honor's Research Thesis.