**MICHAEL A. HOGGARTH, Ph.D.**

 Professor Principal Ecologist

 Department of Biology & Earth Science Stone Environmental Engineering and Science, Inc.

 Otterbein University 748 Green Crest Drive

Westerville, Ohio 43081 Westerville, Ohio 43021

614-823-1667 mhoggarth@otterbein.edu

614-865-1874 michaelhoggarth@stoneenvironmental.com

 1 January 2018

**EDUCATION**

1988 The Ohio State University, Columbus, Ohio 43210. Dissertation: The Use of Glochidia

 in the Systematics of the Unionidae (Mollusca:Bivalvia) 340p. Ph.D.

1980 University of North Alabama, Florence, Alabama 35630. Thesis: A Study of the Distinguishing Characteristics of *Obovaria jacksoniana* (Frierson, 1912) and

 *Obovaria unicolor* (Lea, 1845) (Pelecypoda:Unionidae) 74p. M.S.

1977 Seattle Pacific College, Seattle, Washington 98119. Major: Biology, *cum laude*. B.S.

**EMPLOYMENT**

2016-present Principal Ecologist, Stone Environmental Engineering and Science, Inc., 748

 Green Crest Drive, Westerville, Ohio 43081

2009-present Professor, Department of Biology and Earth Science, Otterbein University

 Westerville, Ohio 43081

2004-2009 Professor and Chairperson, Department of Life and Earth Sciences, Otterbein

2014-2015 University, Westerville, Ohio 43081

1997-2004 Associate Professor and Chairperson, Department of Life and Earth Sciences, Otterbein College, Westerville, Ohio 43081

1995-2014 Associate Curator, Museum of Zoology, The Ohio State University, Museum of Biological Diversity, Columbus, Ohio 43212

1995-2014 Visiting Instructor, F.T. Stone Laboratory, The Ohio State University, Columbus,

 Ohio 43210

1992-1997 Assistant Professor, Department of Life and Earth Science, Otterbein College, Westerville, Ohio 43081

1987-1992 Environmental Scientist (Senior Aquatic Ecologist), The Ohio Department of Transportation, Bureau of Environmental Services, Columbus, Ohio 43215

* 1. Graduate Teaching Associate, Department of Zoology, The Ohio State University, Columbus, Ohio 43210

1978-1980 Graduate Teaching Assistant, Department of Biology, University of North Alabama, Florence, Alabama 35630

1977-1978 Assistant Laboratory Director, Miller Science Learning Center, Seattle Pacific College, Seattle, Washington 98119

**GRANT SUPPORT**

2016 Sediment analysis of the lower Big Walnut Creek, The Friends of Big

 Walnut Creek. Funded - $4,000.00

2012 A survey of the mussels of Middle Harbor, The Ohio Department of Natural Resources, Division of Wildlife. Funded - $6,000.00

2012 Mussels of the lower Big Walnut Creek, The Friends of Big Walnut Creek.

 Funded - $6,500.00

2011 Fish, Mussels and Crayfish of the Ravenna Training Grounds and Logistic

 Center, Trumbull County, Ohio. Department of Natural Resources,

 Division of Wildlife. $7,000.00

2009 Mussel Refugia in Lake Erie: embayment, marinas, and river mouths. The Ohio Department of Natural Resources, Division of Wildlife. Funded - $30,942.00

2008 The effect of the lampricide TFM on mussels in NE Ohio, The Ohio

 Department of Natural Resources, Division of Wildlife. Funded - $10,000.00

2007 The effect of exotic invasive aquatic plants on freshwater turtle ecology. The Ohio Department of Natural Resources, Division of Wildlife. Funded - $10,000.00 (Sarah Bouchard, PI)

* 1. Reevaluation of the mussels of the Little Miami River system in Ohio. Ohio

 Department of Natural Resources and Little Miami Incorporated. Funded –

 $18,506.00

* 1. Mussels, fish and crayfish of the Wayne National Forest, Ironton District, Ohio.

Wayne National Forest, Nelsonville Ohio. Funded - $54,630.00

2004-2005 Inquiry Based Environmental Science through Stressed Stream Analysis. NSF

 CCLI, Arlington, Virginia. Funded - $80,981.00 (Halard Lescinsky, PI)

2001-2006 Population status and recovery of the purple catspaw (*Epioblasma obliquata*

 *obliquata*). U.S. Fish and Wildlife Service, Reynoldsburg Field Office,

 Reynoldsburg, Ohio. Funded - $20.000.00

2000 Studies of the Unionidae (Mollusca:Bivalvia) of the Auglaize River in northwestern Ohio. Ohio Department of Natural Resources, Division of

 Wildlife, Columbus, Ohio. Funded - $5,000.00

1999-2000 Studies of the Mollusca of the Wayne National Forest: The Little Muskingum

 River. Ohio Department of Natural Resources, Division of Natural Areas and

 Preserves, and Wayne National Forest. Funded - $10,000.00

1999 Crayfish and Mollusca: Animal and Plant Community Inventory (1999), Ravenna

 Army Ammunition Plant. Ohio Department of Natural Resources, Division of

 Natural Areas and Preserves, and The U.S. Army. Funded - $6,400.00

1998 Studies of the Unionidae (Mollusca:Bivalvia) of the Ottawa River, Mohican

 River, and Studies of the Catspaw (*Epioblasma obliquata obliquata*) in Killbuck

 Creek. Ohio Department of Natural Resources, Division of Wildlife, Columbus,

 Ohio. Funded - $8,000.00

1997 Studies on the Ecology and Life History of the Unionidae (Mollusca:Bivalvia) of the Walhonding River and Killbuck Creek, Including Studies of the Catspaw (*Epioblasma* *obliquata* *obliquata*). Ohio Department of Natural Resources,

 Division of Wildlife, Columbus, Ohio. Funded - $15,453.00

1997 A Study of the Land Snails of Ohio. Ohio Department of Natural Resources, Division of Natural Areas and Preserves, Columbus, Ohio. Funded - $1,695.00

1996 Science Lecture Series, Sesquicentennial Year. Ross Laboratories. Funded - $1,000.00

* 1. The Unionidae (Mollusca:Bivalvia) of Killbuck Creek in Wayne, Holmes, and Coshocton counties, Ohio, including the catspaw (*Epioblasma obliquata*

 *obliquata*). Ohio Department of Natural Resources, Division of Wildlife,

 Columbus, Ohio. Funded - $22,500.00

1995 Ecological Assessment of Minerva Park Lakes and Kilbourne Run in Minerva Park. Minerva Park, Columbus, Ohio. Funded - $420.00 (Ecology Class Project)

1994-1997 Endangered Species and Wildlife Diversity Grant to examine the distribution of the Unionidae of the Walhonding River as a function of habitat characteristics. Ohio Department of Natural Resources, Division of Wildlife, Columbus, Ohio.

 Funded - $70,000.00

1993 Status and population trends of the federally listed endangered Unionidae within Ohio. U.S. Fish and Wildlife Service, Reynoldsburg Field Office, Reynoldsburg, Ohio. Funded - $2,000.00

1992-1993 The Unionidae (Mollusca:Bivalvia) of the Walhonding River, Coshocton County, Ohio, including a survey for the Catspaw (*Epioblasma obliquata obliquata*) and the Fanshell (*Cyprogenia stegaria*). U.S Fish and Wildlife Service, Twin Cities, Minnesota. Funded - $6,500.00

1991 A study of the distribution of the Unionidae of the Walhonding River in Coshocton County, Ohio. The Ohio Department of Natural Resources, Division of Natural Areas and Preserves, Columbus, Ohio. - Funded - $3,000.00

1987-1994 The Unionidae of Ohio Scenic Rivers, The Ohio Department of Natural Resources, Division of Natural Areas and Preserves, Columbus, Ohio.

 Funded - $10,000.00

1987 Recovery plan for the white cat's paw pearly mussel, U.S. Fish and Wildlife Service, Twin Cities, Minnesota. Funded - $2,500.00

1986 Nongame wildlife grant to study the unionid fauna of the St. Joseph River system in Ohio, The Ohio Department of Natural Resources, Division of Wildlife, Columbus, Ohio. Funded - $5,000.00

1984 Doctoral Dissertation Enhancement Grant, The National Science Foundation, Washington, D.C. Funded - $4,875.00 (Dr. D.H. Stansbery faculty advisor)

1978 Alabama Academy of Sciences Student Research Grant. Funded - $400.00

 (Dr. P. Yokley, Jr. faculty advisor)

**PROFESSIONAL AND COMMUNITY SERVICE**

2014-2016 President, The Ohio Academy of Science, Columbus, Ohio. (Past-President, 2016-

 2018)

2014-present Chair, Faculty/Staff Committee of The Comprehensive Campaign, Otterbein

 University

2004-2005 Board of Directors, Highland Nature Sanctuary

1999-present Friends of Alum Creek and Tributaries, Advisory Board

1996-1997 Adopt a Stream Advisory Group, The Ohio Environmental Protection Agency and The Ohio Department of Natural Resources.

1996-1997 Great Lakes Initiative External Advisory Committee, The Ohio Environmental Protection Agency.

1995-2000 Hidden Creek At The Darby, Advisory Committee Member.

1992-2004 Ohio Biological Survey, Advisory Board Member. Chairperson, Ohio Systematists Annual Meeting Committee (1992-1997).

1992-1997 Member, Board of Trustees, The Darby Creek Association. Editor, The Darby

 Creek Advocate.

1992-1994 Member, Advisory Committee, Natural Resources Program, Harry E. Tolles Technical Center, The Central Ohio Joint Vocational School District.

1989-1995 Member, The Ohio Department of Natural Resources, Nongame Wildlife Technical Advisory Committee.

**HONORS**

1998 Fellow, The Ohio Academy of Science, Columbus, Ohio, Recertified, 2005.

1998 *Sigma Xi*, The Scientific Research Society, The Ohio State University, Columbus.

1997 Outstanding Visiting Professor, F.T. Stone Laboratory, The Ohio State

 University, Columbus, Ohio. Also in 2000, 2001, 2002, 2005, 2006, 2012 & 2013.

1996 Torch and Key (The Otterbein Scholars), Otterbein College, Westerville, Ohio.

1979 Honor Society of *Phi Kappa Phi*, The University of North Alabama, Florence,

 Alabama.

1978 *Beta Beta Beta* Biological Honor Society (*Beta Zeta* Chapter), The University

 of North Alabama, Florence, Alabama.