

**Stephen J. Walsh**  
*Aquatic Biologist*

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**EDUCATION**

1990 Ph.D., Zoology, University of Florida  
1982 M.A., Zoology, Southern Illinois University at Carbondale  
1979 B.A., Biology, Saint Louis University, *magna cum laude*

**RESEARCH INTERESTS**

Conservation biology of aquatic organisms; ecology and environmental physiology of fishes and aquatic invertebrates; evolution, systematics, and zoogeography of temperate and tropical freshwater, estuarine, and inshore marine fishes; reproductive biology and physiology of lower vertebrates, especially teleost fishes; life-history strategies.

**PROFESSIONAL EXPERIENCE**

1996 - present **Research Fishery Biologist**, U.S. Geological Survey  
1993 - 1996 **Research Fishery Biologist**, National Biological Survey  
1990 - 1993 **Research Fishery Biologist**, U.S. Fish and Wildlife Service  
1986 - 1990 **Biological Scientist**, Florida Museum of Natural History

**PROFESSIONAL ORGANIZATIONS**

American Fisheries Society (Aquatics Nongame Committee, 1999-present; Endangered Species Committee, 2003-2004); American Institute of Biological Sciences; American Society of Ichthyologists & Herpetologists (Ichthyological Information Coordinator, 1992-1998; Storer Judge 1993; Chair, Raney Award Committee 1994-1995; Conservation Committee, 1997-present); Association of Southeastern Biologists; Biological Society of Washington; Florida Academy of Sciences; Neotropical Ichthyological Association; Brazilian Society of Ichthyology; Sigma Xi; Society for Conservation Biology; Southeastern Fishes Council (Chair, 1995-1997; Technical Advisory Committee, 1997-present). Other activities: Robust Redhorse Conservation Committee (1992-1999); Judge, Eugene P. Odum award, Southeastern Division of Ecological Society of America (1997).

**AWARDS & HONORS**

Dean's List, St. Louis University (1975-1979); Beta Beta Beta National Honor Society (1978); Graduate Dean's fellowship, Southern Illinois University (1979-1980); Sigma Xi, associate membership (1981); Richard E. Blackwelder Award in Zoology, Southern Illinois University (1982); Raney Award, American Society of Ichthyologists & Herpetologists (1985); Graduate Dean's Dissertation Fellowship, University of Florida (1985); Sigma Xi, full membership (1990); Special Achievement Award, National Biological Service (1994); Quality Performance Award, National Biological Service (1994); Star Award, U.S. Geological Survey (1999).

## CONTRACTS & GRANTS

Served as Principal Investigator, Co-Principal Investigator, and biologist on grants from federal and state agencies (USGS National Water-Quality Assessment Program, U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, National Science Foundation, Florida Fish and Wildlife Conservation Commission; Florida Department of Environmental Protection, Florida Sea Grant, National Marine Fisheries Service, National Underwater Research Program).

## ACADEMIC AFFILIATIONS

Florida Museum of Natural History (Courtesy Associate Curator in Ichthyology, 1992-present); University of Florida, Department of Zoology (Courtesy Assistant Professor, 1996-present). Served on 6 Ph.D. and 4 M.S. graduate student committees (University of Florida; University of Southern Mississippi; Southern Illinois University).

## SAMPLE PUBLICATIONS & REPORTS

- Walsh, S.J.**, W.B. Tate, and M.A. Burgess. 2003. Current Distribution of the Crystal Darter (*Crystallaria asprella*), River Redhorse (*Moxostoma carinatum*), and Cypress Minnow (*Hybognathus hayi*) in Florida. Final Report (NG-00-103), Florida Fish and Wildlife Conservation Commission, 66 p.
- Haney, D.C. and **S.J. Walsh**. 2003. Influence of Salinity and Temperature on the Physiology of *Limia melanonotata* (Cyprinodontiformes:Poeciliidae): a Search for Abiotic Factors Limiting Insular Distribution in Hispaniola. Caribbean Journal of Science 39(3):327-337.
- Walsh, S.J.** 2001. Freshwater Macrofauna in Florida Karst Habitats. In: Kuniansky, E. (ed.). U.S. Geological Survey Karst Interest Group Proceedings, St. Petersburg, Florida, February 13-16, 2001. Pp. 78-88. USGS Water-Resources Investigations Report 01-4011. <[PDF format 497 kb](#)>
- Walsh, S.J.**, L.J. Chapman, A.E. Rosenberger, and C.A. Chapman. 2000. Redescription of *Amphilius jacksonii* (Siluriformes: Amphiliidae) with Habitat and Life-History Notes. Ichthyological Exploration of Freshwaters, 11(2):163-174.
- Warren, M.L., Jr., B.M. Burr, **S.J. Walsh**, H.L. Bart, Jr., R.C. Cashner, D.A. Etnier, B.J. Freeman, B.R. Kuhajda, R.L. Mayden, H.W. Robison, S.T. Ross, and W.C. Starnes. 2000. Diversity, Distribution, and Conservation Status of the Native Freshwater Fishes of the Southern United States. Fisheries, 25(10):7-29. <<http://www.srs.fs.usda.gov/pubs/viewpub.jsp?index=2059>>
- Biggins, R., N.M. Burkhead, **S.J. Walsh**, V. Mudrak, and K. Bibb. 2000. Strategy for the Conservation and Recovery of Southeastern Imperiled Fishes. Proceedings of a workshop held by a Southeastern Imperiled Fishes Working Group, 26-28 October 1999, Chattanooga, Tennessee, U.S. Fish and Wildlife Service. <[http://www.sherpaguides.com/southeast/aquatic\\_fauna/strategy/](http://www.sherpaguides.com/southeast/aquatic_fauna/strategy/)>
- Walsh, S.J.** 2000. Conservation of Aquatic Karst Biotas: Shedding Light on Troubled Waters, p. 106-108 in R.A. Abell et al. (eds.), Freshwater Ecoregions of North America: a Conservation Assessment. World Wildlife Fund and Island Press, Washington, D.C., 319 p.
- Walsh, S.J.** 1999. [review of] Bardach, J.E. (ed.), Sustainable Aquaculture, John Wiley & Sons, Inc. Quarterly Review of Biology 74(3):359.
- Walsh, S.J.**, D.C. Haney, C.M. Timmerman, and R.M. Dorazio. 1998. Physiological Tolerances of Juvenile Robust Redhorse, *Moxostoma robustum*: Conservation Implications for an Imperiled Species. Environmental Biology of Fishes 51:429-444.
- Walsh, S.J.** and M.R. Meador. 1998. Guidelines for Quality Assurance/Quality Control of Fish Taxonomic Data Collected as Part of the National Water-Quality Assessment Program. USGS Water-Resources Investigations Report 98-4239:1-33. <[PDF format 634 kb](#)>