

D. Shane Ruessler

Fishery Biologist

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EDUCATION/TRAINING

Present Post-Baccalaureate Studies, University of Florida, Gainesville, FL
1992 B.S., Fisheries and Wildlife Management. University of Missouri, Columbia, MO

AREAS OF SPECIALIZATION

Ecotoxicology, Environmental Physiology, and Wildlife Endocrinology for the assessment of wildlife responses to environmental contaminants and changing environments.

PROFESSIONAL EXPERIENCE

1995 - present **Fishery Biologist (research)**, U.S. Geological Survey, Florida Caribbean Science Center, Gainesville, FL

1989 - 1995 **Biological Science Technician**, U.S. Geological Survey, Environmental Contaminants Science Center, Columbia, MO

PROFESSIONAL ACTIVITIES AND MEMBERSHIPS

American Malacological Union
American Society for Testing and Materials
Freshwater Mollusk Conservation Society
North American Benthological Society
Society of Environmental Toxicology and Chemistry

CERTIFICATIONS

EPA 40-hour HAZMAT training course
U.S. Department of Interior Motorboat Operation Certification Course

SELECTED PUBLICATIONS

Keller, A.E., **D.S. Ruessler**, and C.M. Chaffee. 1998. Testing the toxicity of sediments contaminated with diesel fuel using glochidia and juvenile mussels (*Bivalvia*, Unionidae). *Aquatic Ecosystem Health and Management* 1:37-47.

Keller, A.E. and **D.S. Ruessler**. 1997. The toxicity of malathion to Unionid mussels: Relationship to expected environmental concentrations. *Environmental Toxicology and Chemistry* 16(5):1028-1033.

Fairchild, J.F., **D.S. Ruessler**, P.A. Lovely, and A.R. Carlson. 1997. Comparative sensitivity of *Selenastrum capricornutum* and *Lemna minor* to sixteen herbicides. *Arch. Environ. Contam. Toxicol.* 32:353-357.

Keller, A.E. and **D.S. Ruessler**. 1997. Determination or verification of host fishes for nine species of Unionid mussels. *Am. Midland Naturalist*. 138(2):402-407.

Hall, N.E., J.F. Fairchild, T.W. Lapoint, P.R. Heine, **D.S. Ruessler**, and C.G. Ingersoll. 1996. Problems and recommendations in using algal toxicity testing to evaluate contaminated sediments. *J. Great Lakes Res.* 22(3):545-556.

Fairchild, J.F., **D.S. Ruessler**, P.A. Lovely, D.A. Whites, and P.R. Heine. 1995. An aquatic plant risk assessment of sixteen herbicides using toxicity test with *Selenastrum capricornutum* and *Lemna minor*. Final Report to the U.S. EPA under IAGDW14935600-01-3. 49 pp.

Fairchild, J.F., **D.S. Ruessler**, M.K. Nelson, and P. Haverland. 1994. An aquatic Hazard Assessment of four herbicides using six species of algae and five species of aquatic macrophytes. Final Report to the U.S. EPA under IAGDW14935600-01-2. 123 pp.

Fairchild, J.F., M. Ort, **D.S. Ruessler**, A.R. Carlson, W.W. Donald, And J. Hatfield 1993. Bioavailability and toxicity of agricultural chemicals in runoff from MSEA sites: potential impacts on non-target aquatic organisms. pp. 133-136, in Proceedings of the Conference on Agricultural Research to Protect Water Quality, Soil Water Conservation Society, Ankeny, IA.

Fairchild, J.F., **D.S. Ruessler**, and M.K. Nelson. 1993. Bioavailability and toxicity of agricultural chemicals in runoff from MSEA sites: potential impacts on non-target organisms. Final Report to the U.S. EPA under IAGDW14935600-01. 135 pp.