



Dr. Brent Nichols
Principal Scientist
Regulation, Wetland Specialist & Marine Ecologist

EDUCATION

Ph.D., Systematics & Ecology, University of South Florida, Tampa, FL, 2005.

M.Sc., Ecology, Jacksonville State University, Jacksonville, AL 1999

PROFESSIONAL EXPERIENCE

Principal Scientist– DNA Environmental Logistics, 2005-Present.

Ecologist—Adams & Nichols Ecological 1999-2005.

Field Scientist—NASA EPSCOR, Jacksonville State University, 1996-1999.

PUBLICATIONS

Garey, J.R. & Nichols, P.B. 2008. Global Diversity of Tardigrades (Tardigrada) in freshwater. *Dev. in Hydrobiology: Hydrobiologia*, 595:101–106

Nichols, P.B., *et al.* 2006. A Family Level Analysis of Tardigrade Phylogeny. *Hydrobiologia*, 558(1): 53-60.

Al-Hamdani, S.H., Nichols, P.B. & Cline, G.R. 2002. Seasonal Changes in the Spectral Properties of Mountain Laurel (*Kalmia latifolia* L., Ericaceae) in North East Alabama. *Castanea* 67(1): 25-32.

Nichols, P.B., *et al.* 2001. Seasonal and Altitudinal Variation in the Distribution and Abundance of Tardigrada on Dugger Mountain, Alabama. *Zoo. Anzeiger* 240:501-504.

Nichols, P.B. *et al.* 2000. Selected Physiological Responses of *Salvinia minima* to Different Chromium Concentrations. *Aq. Botany* 68:313-319.

PROFESSIONAL AFFILIATIONS

American Institute of Biological Sci.
Association of Southeastern Biologists
Beta Beta Beta Biological Honor Society
Florida Academy of Sciences
Sigma Xi, The Scientific Research Soc.
Soc. of Integrative & Comparative Bio.

Through a broad range of experience and education Dr. Nichols has the ability to assess and analyze natural resource issues with his expertise in ecology, wetlands, Threatened & Endangered species, and project management.

As an ecologist, Dr. Nichols has attained expertise through academia and extensive fieldwork studying ecological associations throughout the Southeastern U.S. and Florida, while focusing on distribution, soil and geologic relationships, endemism, rarity, and habitat conversion. Accompanying his knowledge of field ecology is an understanding of the laws protecting imperiled species resources such as the Florida Endangered Species Act, Florida Water Resources Act (FWRA), the Federal Clean Water Act and the Federal Endangered Species Act (FESA). While employing this expertise, Dr. Nichols also ensures survey methodologies utilized during resource assessments, vegetation community identification, flora and fauna studies, and focused surveys for imperiled species conform to current guidelines and protocols endorsed and/or developed by agencies such as the U.S. Fish and Wildlife Service (USFWS), Florida Department of Environmental Protection, Florida Wildlife Conservation Commission, and Florida Water Management Districts. He is also familiar with developing mitigation measures and restoration strategies for impacts to natural resources. Geographically, he has conducted focused surveys throughout the state of Florida, the southeastern U.S. and the Gulf of Mexico.

A proficiency in field ecology along with an understanding of the Clean Water Act, Rivers and Harbors Act, Florida Water Resources Act, and Marine Mammal Protection Act, Magnuson-Steven Fishery Conservation and Management Act complements Dr. Nichols' capability as a wetland delineator. He has extensive experience conducting wetland delineations in accordance with U.S. Army Corps of Engineers standards and is also well versed in wetland mitigation planning, implementation, and monitoring.

Additionally, Dr. Nichols is an AAUS certified research diver, PADI Cavern diver, and NAUI rescue diver. He has logged over 800 hours underwater and has currently published research in five major scientific journals.

REPRESENTATIVE SKILLS & EXPERIENCE

