

D. DALE DOWLING, B.S.

Areas of Specialization:

Regulatory agency coordination and permitting, wetland delineation, threatened and/or endangered (T&E) species surveys, wetland and listed species mitigation, environmental regulatory negotiations, compliance, monitoring, and environmental constraints review for large scale, multi-phase projects.

Experience:

Principal Scientist, Breedlove, Dennis & Associates, Inc. (BDA), Winter Park, Florida. 2015 to Present.

Senior Scientist, BDA, Winter Park, Florida. 2007 to 2015.

Associate Scientist IV, BDA, Winter Park, Florida. 2006 to 2007.

Environmental Specialist I-IV, BDA, Winter Park, Florida. 1997 to 2006.

- Responsible for data collection, preparation, and submittal of federal, state, and local permit applications for wetland and listed species impacts.
- Experience in development of mitigation and wetland assessment for wetland impacts, regionally significant mitigation plans, mitigation banks, and conservation projects.
- Experience with designing, conducting, summarizing, and coordinating T&E and species of special concern surveys.
- Experience with conducting regulatory agency meetings and negotiations and participating with clients, project teams, and interested parties in review, strategy, and decision directed meetings and public hearings.
- Managed and coordinated multi-phase statewide linear transportation project.
- Prepared and implemented Habitat Management Plans for Florida manatees (*Trichechus manatus latirostris*) and bald eagles (*Haliaeetus leucocephalus*) with the U.S. Fish and Wildlife Service and Florida Fish and Wildlife Conservation Commission.
- Conducted field sampling and analysis of sea grasses, including the listed Johnson's seagrass (*Halophila johnsonii*), for the development of impact analysis, mitigation, and restoration activities.
- Experienced with coordination, preparation, and implementation of Storm Water Pollution Prevention Plans for development projects in Florida and Tennessee in accordance with National Pollutant Discharge Elimination System requirements.
- Coordinated and participated in red-cockaded woodpecker (*Picoides borealis*), Florida scrub-jay (*Aphelocoma coerulescens*), sand skink (*Neoseps [=Plestiodon] reynoldsi*), bald eagle, southeastern American kestrel (*Falco sparverius paulus*), and gopher tortoise (*Gopherus Polyphemus*) surveys and monitoring.

Field Sampling Technician, Orlando Laboratories, Inc., Orlando, Florida. 1994 to 1997.

- Conducted water quality sampling involving surface water and groundwater monitoring wells associated with landfills, golf courses, gas stations, and chemical plants, including the preparation of field kits and field sampling by Florida Department of Environmental Protection and U.S. Environmental Protection Agency Standard Operating Procedure.
- Experienced with hazardous waste disposal involving the classification, testing, disposal, routing, and file management for laboratory and sample wastes to include, but not limited

to, polychlorinated biphenyls, mercury, dioxin, and chlorinated and non-chlorinated waste streams.

Field Technician, Nottingham Applied Environmentalists, Sanford, Florida. 1994 to 1997.

- Performed gopher tortoise surveys, censuses, and relocations.

Education:

B.S. University of Central Florida, Orlando, Florida, 2006. Environmental Engineering.
A.S. Valencia Community College, Orlando, Florida, 2000. Environmental Science.
A.A. Polk Community College, Winter Haven, Florida, 1993. General Studies.

Certifications and Awards:

Gopher Tortoise Authorized Agent, Florida Fish and Wildlife Conservation Commission.
Certified, Federal Railroad Administration Roadway Worker Protection. 2006 to 2019.
Certified Trainer, Federal Railroad Administration Roadway Worker Protection. 2007 to 2017.
Florida Stormwater, Erosion, and Sediment Control Inspector No. 8077. 2004.
Cardiopulmonary Resuscitation (CPR) and First Aid Certified.
CSX Public Safety & Environment Outstanding Performance Award. 2007.
(Continued Education: Florida Chamber's Environmental Permitting Summer School. 2002, 2003, 2005, 2007, 2013, 2014, 2015).

Presentations:

Dowling, D. D. W. T. Neisz, and L. E. Rasnake. June 2015. *Definition of "Waters of the United States" (WOTUS) Final Rule*. CSX Transportation, Inc. Lunch and Learn. Jacksonville, Florida.

Dowling, D. D. and W. T. Neisz. October 2014. *Modernizing a Historic Mode of Transportation*. 16th Annual Railroad Environmental Conference. University of Illinois, Urbana-Champaign, Illinois.

Dowling, D. D. July 2013. *Applying Listed Species Regulations*. Florida Chamber's 27th Annual Environmental Permitting Summer School. Marco Island, Florida.

Dowling, D. D. April 2013. *Integrating Threatened and Endangered Species Management with the Rail Renaissance*. CSX Transportation, Inc. Earth Day Lunch and Learn. Jacksonville, Florida.

Dowling, D. D. and W. T. Neisz. April 2013. *Environmental Permitting Challenges*. CSX Intermodal-Annual Team Meeting. Columbus, Ohio.