

JAMES M. WEBER, A.A., A.S.

Areas of Specialization:

Threatened and/or Endangered and Species of Special Concern field sampling surveys and censuses; upland and wetland vegetation sampling and monitoring; state and federal wetland jurisdictional flagging, physical and chemical analysis of surface and groundwater including sampling, collection, and reporting protocols, limnological analyses of surface waters.

Experience:

Environmental Specialist III, Breedlove, Dennis & Associates, Inc. (BDA), Winter Park, Florida. 2000 to Present

- Coordinating and continuing participant in bald eagle (*Haliaeetus leucocephalus*), southeastern American kestrel (*Falco sparverius paulus*), gopher tortoise (*Gopherus polyphemus*), sand skink (*Neoseps reynoldsi*), and Sherman's fox squirrel (*Sciurus niger shermani*) censuses and surveys; knowledgeable of flight behavior monitoring requirements and federal and state guidelines for listed avian species; familiar with gopher tortoise guidelines for censuses, including handling, blood testing, and relocation protocols; knowledgeable about sand skink cover board surveys and monitoring; field leader for numerous censuses and surveys.
- Conducted listed species surveys; upland and wetland vegetation monitoring studies including species identification, habitat quality, and vitality for permit compliance reporting and constraints analyses; experience with the establishment of vegetation monitoring plans, plant and animal identification, and knowledgeable of nuisance/exotic species identification and maintenance and control plans; experienced with sea grass vegetation sampling using snorkel in saltwater environments.
- Managed computerized field water level recorder piezometers and rain gauge equipment field installation, data download, maintenance, troubleshooting, and in-house computer compilation and summarization of data for incidental and permit compliance reporting; specific duties include procurement of supplies and equipment; initial pre-assembly and testing, field installation, periodic downloading of data and troubleshooting; experienced in the protocols and calibration techniques for field data collection devices including Hydrolab, GARMIN™, and Trimble GPS Pathfinder® units.
- Use of Global Positioning System (GPS) field data collection using data loggers for locating sample points, jurisdictional delineations, and listed species occurrences; knowledgeable with maintenance and troubleshooting of equipment and related programming.
- Water quality sampling, analysis, and reporting for surface water and groundwater monitoring projects; knowledgeable of state water quality standards for all classes of surface waters; experienced in sampling lakes, streams, retention ponds, wetlands, canals, ditches, and sampling of groundwater monitoring wells; prepares field kits and is familiar with field sampling protocols and requirements by Florida Department of Environmental Protection (FDEP) and U.S. Environmental Protection Agency (EPA) Standard Operating Procedures (SOP).
- Invertebrate sampling in pools and riffles of flash streams in northcentral Florida and oligotrophic lakes in central Florida; knowledge of preservative preparation, sampling techniques, preservation and screening criteria; initial identification of organisms and sample sorting.

- Conducted limnological analyses of surface waters including design and data acquisition for bathymetric mapping, 24-hour diel oxygen studies, and depth integrated vertical profile sampling for physical water quality characteristics.

Field Technician, Orange County Environmental Protection Division, Orlando, Florida.. 1997 to 1998.

Experienced with ambient lake and stream monitoring of over 200 locations in Orange County, Florida; collection of water quality samples utilizing various workboats, off-road vehicles, and *in-situ* instrumentation; experience with surface water sampling of lakes, rivers, streams, effluent discharge stations, water treatment plants, wetlands, canals, and ditches.

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

Experienced with field-sampling of water , soils, and air in accordance with EPA and FDEP guidelines for sampling, preservation, chain-of-custody, and quality control specifications; routinely scheduled sampling events and was responsible for maintenance, repair and replacement of all sampling equipment; prepared field kits with quality assurance requirements in accordance with SOP standards of EPA and FDEP.

Education:

B.S. University of Central Florida, Orlando, Florida. Expected graduation 2009. Biology.

A.S. Valencia Community College, Orlando, Florida. 1994. Environmental Science Technology.

A.A. Valencia Community College, Orlando, Florida. 1998. General Studies.

Certifications:

Forty-hour Basic GPS Course. BDA. 1998.

Eight-hour Occupational Safety and Health Administration (OSHA) Hazardous Material Course. Certificate No. 29, Code of Federal Regulations (C.F.R.) 1910.120. 1996.

Eight-hour OSHA Hazardous Waste Site Safety Course. Certificate No. 29, C.F.R. 1910.120. 1995.

Qualified Stormwater Management Inspector. Inspector No. 9591. June 2, 2005.