

Lainy Taverner- Environmental Scientist

Summary

Mrs. Taverner is an Environmental Scientist with GBM^c & Associates. Her experience includes ecological field studies, wildlife and fisheries biology, water quality monitoring, habitat evaluation, and data analysis/interpretation.

Education

2008 B.S. Environmental Science Biology, University of Central Arkansas

Experience

Ecological field studies

Mrs. Taverner has been involved in the implementation of field studies conducted in many different habitats. She has completed baseline surveys to assess population abundances, diversity, richness, habitat quality, and the effects of physical habitat alterations on organisms. Species monitored include; fish, aquatic and terrestrial invertebrates, small non-game mammals, bats, herpetofauna, and plant communities.

She has sampled fish communities in cave systems, small stream systems, and large river floodplain and wetland habitats. Her experience with aquatic invertebrates includes quantitative soil core sampling, qualitative kick-net methods, and laboratory identification and data analysis.

Terrestrial field studies include bat population surveys and monitoring through use of mist nets; Herpetofauna sampling accomplished with drift fencing, pit-fall traps, funnel traps, and coverboards; small mammal mark-recapture studies conducted using baited Sherman traps; and terrestrial invertebrate surveys using sweep-nets and light traps.

Water quality/Habitat

Mrs. Taverner has experience assessing lentic and lotic systems. She has monitored water quality by evaluating measurements of stream velocity, pH levels, dissolved oxygen, conductivity, and temperature. Assessments of habitat conditions include the use of Percent Surface Vegetation and Pebble Count analysis.

Wildlife and Fisheries biology

Mrs. Taverner was a temporary field technician with the U.S. Forest Service during which time she obtained experience monitoring fish communities, bat surveys, and inventories of forest stands in the Ozark Mountains. While serving as an Assistant Biologist with the U.S. Fish and Wildlife Service she became familiar with threatened and Endangered (T & E) Species reviews for federal and large development projects.

Professional Affiliations Certificates

Mrs. Taverner has been a member of the American Fisheries Society and Southeastern Fisheries Council since 2007.

Non-Game Wildlife Survey Techniques - 2008
Prescribed Burns - 2007
