

Susan E. Franson, Research Ecologist, in EPA's National Exposure Research Laboratory

Systems Exposure Division

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Area of Expertise: My research focuses on the application of statistical techniques to ensure that data provide information to address environmental questions from the perspective of many scientific disciplines and at a variety of biological and spatial scales. Starting in the Environmental Monitoring and Assessment Program, I worked with scientists specializing in sampling design, landscape ecology, remote sensing, arid ecosystems, and agroecosystems to access ecosystem condition at regional scales. More recently, I have been involved with efforts to develop population genetic analysis and DNA based methods for bioassessments and exposure assessment, primarily of surface waters.

Select Publications:

BRUINS, R. J., S. E. FRANSON, W. E. FOSTER, F. B. DANIEL, AND P. B. Woodbury. [A methodology for the preliminary scoping of future changes in ecosystem services, with an illustration from the future midwestern landscapes study](#). U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-09/134, 2009.

BRUINS, R. J., W. E. FOSTER, P. B. WOODBURY, F. B. DANIEL, AND S. E. FRANSON. [Estimating ecosystem service changes as a precursor to modeling](#). Presented at U.S. Society for Ecological Economics, Washington, DC, May 31 - June 04, 2009.

Nash, M S., D J. Chaloud, AND S E. Franson. [ASSOCIATION OF LANDSCAPE METRICS TO SURFACE WATER BIOLOGY IN THE SAVANNAH RIVER BASIN](#). JOURNAL OF MATHEMATICS AND STATISTICS 1(1):29-34, (2005).

View research publications by [Susan Franson](#).

Education:

- Ph.D. in Ecology, 1985, University of Illinois at Urbana-Champaign
- M.S. in Statistics, 1980, University of Illinois at Urbana-Champaign
- M.S. in Biology, 1977, Purdue University
- B.S. in Mathematics and Biology, 1975, Purdue University

Professional Experience:

- Research Ecologist, USEPA, ORD/NERL/EERD, 1998 to Present
- Survey Statistician, USEPA, EMSL-Las Vegas, 1989 to 1998
- Senior Clinical Research Biologist, Monsanto, Animal Sciences Division, 1985 to 1989
- Research Associate, University of Illinois, Department of Plant Biology, 1985