

Anne C. Neale, Physical Scientist, EnviroAtlas Project Lead, in EPA's National Exposure Research Laboratory

Systems Exposure Division

[Mailing Address](#)

neale.anne@epa.gov

Area of Expertise: Over the past 25 years as an EPA researcher and the previous five years as an EPA contractor employee, I have worked on many exciting and rewarding projects, including the U.S. atomic testing program, the Exxon Valdez Oil Spill Bioremediation project, the National Surface Water Survey, the Environmental Monitoring and Assessment Program, the Landscape Indicators for Pesticides Study for Mid-Atlantic Coastal Streams, and for the past several year, EnviroAtlas.

I have a broad background that includes landscape ecology, geospatial and statistical analysis, and field studies. I have focused on examining relationships between spatial patterns of landscape characteristics and conditions of and risks to ecological resources and ecosystem services. Specifically, I have developed empirical models relating nutrients, pesticides, sediments and bird species diversity to general landscape characteristics in the Mid-Atlantic region of the U.S. For the past several years, I have been applying the experience gained over my career to lead the EnviroAtlas effort. This effort, led by EPA, is the product of multiple agencies and other organizations.

Select Publications:

Horvath, E., J. Christensen, M. Mehaffey, AND A. Neale. [Building a potential wetland restoration indicator for the U.S. EPA's EnviroAtlas](#). US IALE, Asheville, NC, April 03 - 07, 2016.

Neale, A., B. Pickard, M. Mehaffey, AND J. Baynes. [EnviroAtlas: A Spatially Explicit Tool Combining Climate Change Scenarios and Ecosystem Services Indicators](#). US IALE 2016 Annual Meeting, Asheville, NC, April 03 - 07, 2016.

Orejola, N., M. Nash, M. Mehaffey, AND A. Neale. [Investigating Differences between Modeled Historical and Station Calculated Drought](#). US-IALE, Asheville, NC, April 03 - 07, 2016.

View research publications by [Anne Neale](#).

Education:

- Graduate coursework in Statistics, University of Nevada, Las Vegas
- B.S. in Environmental Science, Utah State University, 1986
- Logistic Regression Modeling, SAS Institute,
- Advanced Classification and Regression Tree Analysis, Salford Systems
- Multiple Arc/Info, ESRI classes
- Introduction to Remote Sensing

Professional Experience:

- Physical Scientist, Ecological and Human Communities Analysis Branch, NERL-SED, 2015 - Present
- Physical Scientist, Landscape Ecology Branch, NERL-ESD, 1995 – 2015
- Physical Scientist, Nuclear Radiation Division, ORD, Las Vegas, NV, 1991 – 1995
- Associate Scientist, Lockheed Engineering and Sciences Company, Las Vegas, NV, 1987 – 1991
- Technician, US Forest Service, Gardiner, Montana, 1984 – 1987