

James D. Wickham, Senior Research Biologist, in EPA's National Exposure Research Laboratory

Systems Exposure Division

[Mailing Address](#)

wickham.james@epa.gov

Area of Expertise: James Wickham joined EPA in 1998, following prior appointments at Earth Satellite Corporation, Desert Research Institute, and Tennessee Valley Authority. Jim coordinates and directs EPA's participation in the Multi-Resolution Land Characteristics (MRLC) consortium, the federal consortium that produces the National Land Cover Database (NLCD). Jim's research interests include, remote sensing, GIS, change detection, linkages between terrestrial and aquatic ecosystems, modeling, risk assessment, climate change, and ecological restoration. Jim has served on the Editorial Board of Landscape Ecology 2003, and he was a member of Faculty 1000 Biology from 2003 through 2006 (Spatial and Landscape Ecology Section).

Select Publications:

Wickham JD, Riitters KH, Wade TG. 2011. An environmental assessment of United States drinking water watersheds. *Landscape Ecology* 26:605-616. Featured in *Science* (2011) 332:514

View more research publications by [James Wickham](#).

Education:

- Pennsylvania State University, BS, 1982, Biology
- Pennsylvania State University, BS, 1982, Geography
- University of Georgia, MA, 1984, Geography
- University of Tennessee, PhD program, 1996-1998, Geography

Professional Experience:

- Senior Research Biologist, MRLC Director, USEPA, NERL, 11/04-Present
- Research Biologist, MRLC Director, USEPA, NERL, 4/98-11/04
- Systems Biometrician, Tennessee Valley Authority, 8/95-4/98
- Assoc. Research Scientist, Desert Research Inst., 10/92-8/95
- Senior Analyst, Bionetics Corp., 1/90-10/92
- Senior Analyst, Earth Satellite Corporation, 7/85-1/90