

# Evan J Fedorko

Project Geographer



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## Profile

Mr. Fedorko is an experienced multi-disciplinary scientist, researcher, and GIS analyst. He has an extensive background in GIS software and technology and has applied those and other geographic principles to areas of health and epidemiology, environmental impact assessment, public safety, evacuation management, natural resources, economic development, geology, tourism, environment, recreation, public policy, logistics and E-government.

## Skills and Experience

Led the development of a site and funding specific economic development strategy for far Southwest Virginia.

Developed an analytical methodology for siting new food distribution hubs in West Virginia, with consideration given to demographic, agricultural, and economic factors.

Served as data specialist and design lead for multiple GIS web applications.

Served as lead spatial analyst for numerous complex multi-disciplinary analysis exercises, including several that have been deployed as part of a web-mapping application.

Experienced in the design, management, and manipulation of large, complex scientific datasets.

Experienced in performing spatial data analysis and in creating presentation-quality visuals within GIS.

Extensive experience with GPS and integration of GPS data into a GIS.

## Education

M.A., Geographic Information Science for Development and Environment. College of International Development, Community and Environment, Clark University, Worcester, MA, 2004.

B.A., Geography, emphasis in rural development and environment. West Virginia University, Morgantown, WV, 2001.

## Publications

Hendryx, M, Conley, J, Fedorko, E, Luo, J, Armistead, M. 2012. Permitted water pollution discharges and population cancer and non-cancer mortality: toxicity weights and upstream discharge effects in US rural-urban areas. *International Journal of Health Geographics*, 11.

Cottrell, L, Ice, C, Fedorko, E. 2011. Utilizing geospatial technologies to compare existing healthcare resources with noted cardiovascular risks among children in a rural setting. Poster presentation, American Heart Association's Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke 2011 Scientific Sessions, Washington, D.C. May.

Hendryx, M, Fedorko, E, Anesetti-Rothermel. 2010. A geographical information system-based analysis of cancer mortality and population exposure to coal mining activities in West Virginia, United States of America. *Geospatial Health*, 4:2.

Fedorko, EJ, Pontius Jr., RG, Aldrich, SP, Claessens, L, Hopkinson Jr., C, Wollheim, WM. 2005. Spatial distribution of land type in regression models of pollutant loading. *Journal of Spatial Hydrology*, 5:2.