



# Joey James

Project Scientist

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## Profile

Mr. James is a multi-disciplinary researcher with experience in a broad range of resource management topics. He has professional experience in the public, non-profit, and private sectors and has worked extensively in energy policy analyses, geographic information system development, database management, environmental data analysis, and environmental outreach.

## Skills and Experience

Assisted in the development of a site- and funding-specific economic development strategy for far Southwest Virginia.

Assessed the potential for residential and commercial energy efficiency measures to reduce greenhouse gas emissions in Morgantown, West Virginia.

Developed numerous geospatial applications for uses in environmental analysis, field data collection, and source water protection.

Explored opportunities for West Virginia to comply with proposed regulations on carbon dioxide emissions from existing coal-fired power plants.

Assisted in data development for spatially-explicit models of fish habitat quality to quantify anthropogenic stress for watersheds in the northeastern United States.

Performed field-based dendrochronological data collection of various tree species for a paleo-ecological assessment of historic climate change.

Created professional maps and figures for academic publications.

## Education

B.A., Geography, West Virginia University, Morgantown, 2014. Emphasis in natural resources, GIS, paleo-ecology, and environmental policy.

## Representative Publications

Fedorko E, et al. 2016. Healing our Land, Growing our Future: Innovative Mine Reclamation in Southwest Virginia. Prepared for Appalachian Voices. Downstream Strategies.

Hansen E, and James J. 2016. Reducing Greenhouse Gas Emissions through the Sustainable Morgantown Initiative. Prepared for the Appalachian Stewardship Foundation. Downstream Strategies.

Van Nostrand J, Hansen E, and James J. 2016. Expanding Economic Opportunities for West Virginia under the Clean Power Plan. Prepared for the Appalachian Stewardship Foundation. Downstream Strategies.

Hansen E, James J, and Coleman J. 2016. All of Our Eggs in One Basket? An Update on the Decline of Central Appalachian Coal and Increasing Budget Woes in West Virginia. Downstream Strategies.

Hansen E, and James J. 2015. The Atlantic Coast Pipeline in West Virginia: Opportunities for Public Engagement Regarding Erosion and Sedimentation. Prepared for the West Virginia Rivers Coalition and Dominion Pipeline Monitoring Coalition. Downstream Strategies.

Hansen E, and James, J. 2015. Opportunities for Reducing Commercial and Residential Greenhouse Gas Emissions in Morgantown, West Virginia. Prepared for the Appalachian Stewardship Foundation. Downstream Strategies.

## Software Fluency

The ESRI Suite, Excel, Word, and Access.