

# Kendra Hatcher

Senior Environmental Scientist



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## Profile

Ms. Hatcher is a project scientist with seven years of experience in field sampling, scientific analysis, site assessment, and data management. She has completed a variety of projects, from source water protection planning to housing and business needs assessments. She has wide experience sampling a variety of environmental media, including water and soils, and has monitored extensively in areas impacted by Marcellus Shale gas development. She has experience designing and assessing water sampling strategies, and managing sampling projects. She has also used GIS technologies for over 10 years to analyze and manage spatial data related to natural resources and the environment. She has experience organizing stakeholder meetings and implementing community surveys and assessing the results.

## Skills and Experience

Completed multiple Phase I Environmental Site Assessments per ASTM International E1527-13 Standard Practice for Environmental Site Assessments Phase I Environmental Site Assessment Process and E2247-16 Standard Practice for Environmental Assessments Phase I Environmental Site Assessment Process for Forestland or Rural Property.

Created informational guide that provided methods for establishing baseline information on water quantity and quality, long-term monitoring to detect change, and data.

Created source water protection plan documents for Morgantown, West Virginia, and six other communities in West Virginia.

Created watershed monitoring program to protect source water for a large public water utility.

Managed field sampling projects, including design of field sampling strategies.

Extensive experience in field-based data collection and reporting, including chemistry and flow monitoring of surface waters in areas of Marcellus Shale gas development.

Developed a Sampling and Analysis Plan and Quality Assurance Project Plan for Phase II Environmental Site Assessments.

Created multiple Quality Assurance Project Plans for water sampling projects.

Experience collecting soil samples.

Experience collecting indoor air quality.

Managed project creating a scope of work for an economic study on the impact of shale gas development on tourism, which included organizing and facilitating stakeholder meetings and an online survey.

Analyzed data related to the impact of Marcellus Shale drill cuttings on landfill leachate.

Created Watershed-based plan for tributaries of the Cheat River watershed in Preston County, West Virginia.

Worked on county-wide assessment of water resources for Pocahontas County, West Virginia.

Extensive experience using GIS for analysis and data management.

## Education

M.S., Geography, Oregon State University, 2011. Research focused on anthropomorphic influences on streamflow trends.

B.S., Geology, West Virginia University, 2004.

## Representative Publications

Glass M, Hatcher K, Betcher M, Hansen E. 2016. Guidance for Monitoring Effects of Gas Pipeline Development on Surface Water and Groundwater Supplies. Downstream Strategies.

Boettner F, Hatcher K, Carlson E, Betcher M, Collins A, Nkansah K, Stull R, Gaujot R. Tucker County, West Virginia Small Business and Housing Needs Assessment. 2014. Downstream Strategies, West Virginia University, Green Rivers.