

Josh Saville

Staff Scientist

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Profile

Mr. Saville brings a wealth of field experience and training to support a variety of stream and wetland restoration projects. He has over 10 years of experience in hydrology-related field work, including surveying (GPS, theodolite, level), sediment sampling, riparian and wetland vegetation inventory, stream and groundwater monitoring, chemical/biological monitoring, habitat assessment, and stressor evaluation.

Skills and Experience

Identified and prioritized stream restoration sites on the Gandy Creek in Randolph County, WV. Provided construction oversight, worked as an equipment operator, and assisted with planting and installation of bioengineering features. The project restored 5,000 feet of stream and created and enhanced wetlands.

Participated on a field crew that assessed and surveyed stream conditions in the Tomlinson Run watershed in Hancock County, WV and in the Lower Dempsey Creek watershed in Logan County, WV. Collected field data to measure the physical, chemical, and biological integrity of over 10 miles of stream. Provided construction oversight for stream and wetland building and mine road decommissioning. The project restored 10 miles of stream, re-established two miles of stream, rehabilitated 26 acres of wetland, and decommissioned 25 miles of old mining roads.

Identified and prioritized ecological restoration sites on the Mower Tract in the Monongahela National Forest. Operated equipment for road decommissioning, strip mine bench decompaction, wetland enhancement, and stream restoration activities. The project restored 3,500 feet of stream, enhanced four acres of wetland, and decompacted 126 acres of mine lands.

Participated on field crew that assessed and surveyed existing stream conditions and as-built conditions on three tributaries of the Upper Shavers Fork River. The projects restored 520 feet of stream and reconnected 3.7 miles of upstream habitat.

Participated on field crew that assessed and surveyed existing stream conditions on Tuscarora Creek in Berkeley County, WV. Provided construction oversight and assisted with planting and installation of bioengineering. The project restored 800 feet of stream and reconnected 16.7 miles of upstream habitat.

Worked as an equipment operator to restore approximately 800 feet of eroding streambanks on Mill Creek in Berkeley County, WV. The project included planting and installing bioengineering features.

Participated on field crew that assessed and surveyed existing stream and as-built conditions for a restoration project on the Savage River in Garrett County, MD. Provided construction oversight and assisted with planting and installation of bioengineering features.

Planned road-to-trail conversions on 10 miles of disused forest roads and completed construction of sustainable trails on the Monongahela National Forest.

Worked with communities, schools and volunteer groups in planning and design of over 17 miles of multi-use trails throughout West Virginia.

Participated in field data collection for a multi-year study on the efficacy of scientific protocols for "measuring the success" of natural stream design projects in both qualitative and quantitative formats.

Performed field data collection and data analysis on wetland, riparian, and forest vegetation experiments in Tucker County, WV.

Experienced with data collection of insects and benthic macroinvertebrates. Established long term monitoring plots, including site characterization and baseline measurements.

Experienced with laboratory work involving soils, vegetation, and data management.

Education

B.A., Liberal Arts, West Virginia University, 1998. Emphasis on environmental science.

Wildland Hydrology through Level III, Assessment and Analysis of Stream Channels and Habitats, and EPA Rapid Bioassessment Approach.