



Kasey Osborne

Project Scientist

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Profile

Ms. Osborne is a multi-disciplinary researcher with broad experience in natural resources and ecology, geospatial information science, sustainable economic development, and outdoor recreation and tourism. She has worked in various capacities with public agencies, academic institutions, nonprofits, and private entities. Ms. Osborne is experienced in grant writing, develops a range of scientific, technical, and public-facing texts, and specializes in the integration of design elements.

Skills and Experience

Serve as the lead graphic designer at Downstream Strategies, specializing in conceptualizing data into user-friendly, visual tools. Design documents/templates, perform cartography, and create illustrations.

Authored a wide range of successful grant proposals, including a 2022 Appalachian Regional Commission POWER grant for trail planning in Elkins, West Virginia.

Led a market assessment project that explored opportunities for expanding recreation-based tourism and redeveloping brownfield properties in Grafton and Taylor County, West Virginia.

Developed and designed all components of an Esri StoryMap counterpart to an economics study of Pocono streams in Pennsylvania, including the narrative text, graphics, and interactive web maps.

Coauthored and designed a report with market and built environment assessments that examined critical community infrastructure concerns for future growth and tourism in Thomas, West Virginia.

Led a project to help a regional arts foundation establish a volunteer tracking program; it included crafting and disseminating surveys, leading focus groups, and creating a guide for rural organizations.

Experienced with GIS systems, spatial data collection/analysis, mapmaking, and the Esri ecosystem.

Serve on the core project team for the Mountaineer Trail Network Recreation Authority, the first multi-county trail authority for non-motorized recreation in West Virginia.

Support ongoing activities for source water protection for a major public utility, including geospatial database, water quality data, map, and documentation updates.

Authored and designed a National Geographic-sponsored report that examined the use of a novel geospatial algorithm to assess reforestation on former Appalachian mine sites.

Educated the public and science professionals in ecology, wildlife management, and environmental science topics through workshops and other outreach events.

Organized and managed an integration project to consolidate and geocode commercial, oil and gas, and industrial construction projects from multiple databases for a private company.

Assisted in data collection and project management for a spatially explicit phenology database as part of a West Virginia-based climate history study.

Assisted in a variety of wildlife management and habitat restoration projects.

Education

M.A., Professional Writing and Editing, West Virginia University, Morgantown, 2019. Focus in scientific and technical writing.

M.S., Biological Sciences, Marshall University, Huntington, 2017. Focus in conservation, soundscape ecology, energy development, and geospatial analysis.

Certificate, Geospatial Information Science, Marshall University, Huntington, 2017.

B.S., Wildlife and Fisheries Resources, Minor in Conservation Ecology, West Virginia University, Morgantown, 2015.

Representative Publications

Osborne K. 2022. Story Map: Economic Effects of Special Stream Designations. Prepared for PennFuture. <https://tinyurl.com/opwstorymap>

Cottingham S, Osborne K, et al. 2021. Bracing for Change: A Market Study of Community Needs, the Built Environment, and Projected Growth in Thomas, West Virginia. Prepared for the City of Thomas.