

## Education

M.S. Geography, Portland State University

Graduate Certificate - Geospatial Information Systems, Portland State University

B.S. Geography, Minor - Sustainable Urban Development, Portland State University

Years in Industry: 6

## Areas of Expertise

Natural Resource Management

Freshwater Conservation and Restoration

Recreation and Tourism

Geospatial Analyses

## Alicia Milligan, Project Manager

Alicia Milligan is a project manager at ECONorthwest with a background in natural resource management, conservation, and restoration of freshwater ecosystems, as well as geospatial analysis and higher education. Since joining ECONorthwest in 2023, Alicia has overseen a wide range of projects including economic impacts of recreation and visitation, visitor and resident sentiment survey analysis of recreation or rural destinations, and recreation feasibility analyses. Alicia's past research and spatial analysis skills in human ecology mapping and sense of place made her a natural fit for managing these types of projects at ECONorthwest. Alicia brings multiple perspectives to successfully manage projects at ECONorthwest from a diverse background in freshwater conservation, geospatial information systems (GIS) analysis, higher education, agriculture and small-scale farming, sustainable urban development, residential construction, and small business ownership. You can see Alicia's ability to creatively communicate scientific data using cartography in the 2021 book publication of *Upper Left Cities: A Cultural Atlas of San Francisco, Portland, and Seattle* where she contributed to the analysis and map design of multiple chapters. Additionally, Alicia has been the recipient of multiple cartographic awards and her maps can be seen throughout several publications. Alicia is also an integral member of local community organizations like, Oregon Urban and Regional Information Systems Association (URISA) Emerging Professionals (EP) as board president, and a board member of a non-profit organic farm, FoodWaves, specializing in small-scale agricultural education and community food justice.

## REPRESENTATIVE PROJECTS

*Alicia has served as Project Manager on the following projects, unless otherwise noted:*

- **Visit Bend Sustainable Tourism Value Study – Bend, OR (2023-2024).** Working with Visit Bend to document what the tourism industry is in Bend and how it contributes to economic value for both visitors and residents.
- **Deschutes County Campground Feasibility Study – Deschutes County, OR (2023).** Assessing the financial feasibility of developing multiple campground sites in Deschutes County.

- **East Multnomah Soil and Water Conservation District Conservation Easement Analysis— Multnomah County, OR (2023-2024).** Summarize existing alternative conservation easement methodologies and identify an alternative conservation easement methodology appropriate for the specific context of EMSWCD’s work.
- **Visit Big Sky, MT Visitor and Resident Sentiment Survey on Tourism— Big Sky, MT (2023).** Development and analysis of results from two surveys for Visit Big Sky, 1) a visitor survey on their visit to Big Sky and 2) a resident and tourism industry stakeholder survey on sentiment of the tourism industry in Big Sky, MT.
- **Troutdale Visitor Survey— Troutdale, OR (2023).** Development and analysis of results from a visitor survey of the greater Troutdale area for Explore Troutdale and the City of Troutdale.
- **Walla Walla Valley Visitor Survey— Walla Walla, WA (2023).** Development and analysis of results from a visitor survey of the Walla Walla Valley for Visit Walla Walla and the State of Washington Tourism.
- **Deschutes Estuary Restoration— Olympia, WA (2023-Ongoing).** For the Washington Department of Enterprise Services, as an exclusive subcontractor to Floyd Snider, ECONW supported the design and permitting phase of the Deschutes Estuary Restoration including funding strategy implementation (including grant research and application), coordination with local governments on funding and governance agreements through facilitation of the Funding and Governance Work Group, and economic analysis to support community engagement and federal and state permitting processes.

#### PRE-ECONORTHWEST

- **Snake River Mercury Management— Middle Snake Basin, ID and OR (2021-2023).** Identify and evaluate options to limit total phosphorus loads entering the Brownlee Reservoir.
- **Central Oregon Irrigation Modernization— Deschutes River Basin, OR (2022-2023).** For Deschutes River Conservancy and Central Oregon Irrigation District, tool development of identifying and prioritizing the most optimal irrigation modernization projects in the Central Oregon Irrigation District.
- **Upper Colorado River Basin Pilot Project— Western Slope, Upper Colorado Basin, CO (2022-2023).** For the Colorado River District, developing pilot projects that support the program development of multi-purpose water projects on the Western Slope that address productive agriculture, infrastructure, healthy rivers, watershed health and water quality, and conservation.
- **King County Point Source and Nonpoint Source Nitrogen Reduction Strategies— King County, WA (2022-2023).** For King County, development of a cost-benefit analysis of nitrogen reduction strategies for varying sizes of wastewater treatment plants, stormwater, and agricultural inputs.
- **Socio-Ecological Interactions in the National Forests and Grasslands of Central Oregon— Central Oregon (2017-2019).** In 2015, Portland State University, the US Forest Service’s Pacific Northwest Research Station, Deschutes National Forest (DNF), Ochoco National Forest (ONF), US Forest Service Region 6, and Discover Your Forest embarked on a collaborative project to

understand spatial patterns of public use on the national forests and grasslands of Central Oregon and the ecosystem benefits attached to those places. At the time the project began, the DNF and ONF anticipated that they would be revising their forest/grassland plans in the near future. This human ecology mapping project generated socio-spatial data layers describing the myriad connections people have with these public lands.