

Meagan R. Maguire, M.S.



Sustainability and Geospatial Data Analyst

Meagan works for Applied Asset Management Consultants as a data analyst. Since 2021, Meagan has worked with extensive responsibility on several asset management projects related to data collection and gap analysis. Meagan transforms data into risk assessment and decision-making tools to optimize asset lifecycle value for clients. She maps data to demonstrate performance alignment with corporate sustainability goals, long-term strategic objectives, and outcomes. She recently completed her graduate studies and began full-time status in January 2024.

Education

Western Michigan University

Master of Science in Geography, 2023

Thesis: Trends of Autumn Phenology in Response to Environmental and Meteorological Variables

Bachelor of Science in Environmental Analysis & Resource Management and GIS, 2022

Bachelor of Art in Spanish, 2022

Certifications

Geospatial Applications of Unoccupied Aircraft Systems, 2022, Western Michigan University

Background:

Meagan Maguire began her industry experience with asset management in 2021 when she was employed as a Geographic Information Systems Analyst Intern for Applied Asset Management Consultants, Inc. (AAM). Since then, she has worked on several projects related to collecting, organizing, and analyzing data for later use in recommended infrastructure lifecycle solutions for client challenges. Her specialty in asset data gap analyses assists clients in working towards strategic asset management and sustainability outcomes.

Core Competencies:

Data collection and unification, gap analyses, data management, workflow development, data mapping and GIS responsiveness and dependability.

Myers-Briggs Type Indicator: ISTJ

Meagan's MBTI enables her to be highly visual, organized, reliable, and observant- qualities that allow her to approach work with a plan that ensures accuracy and completion.

Industry Experience:

Meagan's rigorous educational background in environmental analysis and geographic information systems is foundational to her industry experience. Her recent experience has afforded her a significant mindset growth in asset data management and gap analysis related to:

- Collection and unification of historical records and physical attributes of over 90 wells and well pumps for the largest potable drinking water system in Michigan with approximately 150,000 customers for the City of Kalamazoo, Michigan.
- Construction of a master data set acting as a repository for data spanning over two decades.
- Creation of informational analytics used to support priorities in critical decision-making for division managers, superintendents, and supervisors.
- Development of historical data repositories used to support Computerized Maintenance and Management Systems.
- Asset data organization in the creation of asset risk assessments, risk profiles and investment projections.

Other Notable Work Experience:

Meagan has several other significant work experiences that have enriched her skills outside the realm of asset management:

- Graduate Teaching Assistant at Western Michigan University, School of Environment, Geography, and Sustainability
- English as a Second Language Instructor at El Concilio and Academia Azteca of Kalamazoo
- Administrative Assistant at Western Michigan University, Haworth College of Business