# GEOSPATIAL ANALYST
## LOCATION: Madison, Wisconsin

**POSITION SUMMARY**

The Wisconsin Wetlands Association (WWA) is seeking a Geospatial Analyst to support hydrologic assessments and modeling. This position will be located in Madison, WI, and will require periodic travel to northern WI. The position is a 1.5-year funded contract position that runs through September 2023, with potential for renewal.

The successful candidate will work closely with WWA and Association of State Floodplain Managers staff, along with members of an interdisciplinary team, to support a community-based natural flood management (NFM) initiative in the Lake Superior Basin.

*Project tasks include but are not limited to:*
- Review wetland functional assessment and ecosystem service valuation models, data and approaches and help determine the most appropriate methods for this project;
- Lead the collection and documentation of data required to complete the assessment and valuation;
- Develop, test, and validate project-specific assessment and valuation approaches;
- Facilitate advisory team review and refine methods accordingly;
- Assist with benefit-cost analysis to scope NFM projects in collaboration with landowners and agency partners.
- Prepare a final summary memo documenting project methods and results.

**REQUIRED QUALIFICATIONS:**
- Master's degree in geography, remote sensing, GIS, hydrology, or a related field.
- Demonstrated knowledge of geospatial and field-based assessments to analyze watershed scale hydrologic conditions and connections.
- Experience using or training on both raster and vector-based datasets.
- Technical skills and experience with geospatial analysis and hydrologic and hydraulic (H&H) modeling software including Esri ArcGIS Pro and Arc Hydro, GRASS, Hazus Flood Model, Global Mapper, ERDAS IMAGINE, or similar.
- Self-starter with ability to work in a collaborative environment and independently without direct day-to-day, on-site supervision.
- Proven ability to quickly learn and adapt emerging remote sensing and modeling technology.
- Strong project management, partner facilitation, communication, organizational, and geospatial data management skills.
- Experience writing geospatial metadata following ISO and/or FGDC standards.
- Willingness to travel to the Ashland area.
- Strong oral and written communication skills.

**ADDITIONAL QUALIFICATIONS (Strong candidates will have one or more of the following):**
- An understanding of wetland functions and hydrology fundamentals.
- Experience with engineer level modeling and design tools and software.
- Knowledge of coastal, water resources, transportation, and hazard mitigation programs in the Great Lakes region.

- Experience working with state, regional, or national geospatial organizations and professional associations.
- Experience working with state and federal agencies, tribes, academia, and nongovernmental organizations.
- Experience leading or participating in partnership-based projects.

## COMPENSATION
Compensation will be dependent on experience and qualifications.

## HOW TO APPLY
Submit cover letter, resume, and a writing sample by **February 25, 2022**, to:


Wisconsin Wetlands Association
214 North Hamilton Street, Suite 201, Madison, WI 53703
info@wisconsinwetlands.org



*Wisconsin Wetlands Association (WWA) is an equal opportunity employer and maintains a policy of non-discrimination in regard to age, ancestry, color, creed, disability, national origin, race, religion, sex, sexual orientation, gender identity and expression, or any other class protected by applicable state or federal laws. This policy shall apply to persons served by WWA, to the employment practices of WWA, and to recruitment to the WWA Board of Directors. Further, WWA shall actively seek to include on its staff and Board of Directors persons from the principal minority groups present in the areas served by WWA, and members of all genders.*