Mary Mahoney

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Education:	**B.S., Environmental Sciences** – The University of Mount Union, Ohio (May 2013) **Summa Cum Laude** – Major GPA: 4.00, Overall GPA: 3.98/4.00 **M.S., Cartography & Geographic Information Systems - GIS Development Option** – University of Wisconsin - Madison (Expected May 2019)

Experience:

12/18 – Present

Virginia Department of Health, Office of Drinking Water, Richmond, Virginia

Data Management Supervisor

Took on additional responsibilities as a supervisor for three staff members of the Division of Technical Services unit. Additional tasks:

- Supervise and provide administrative services to the data management team
- Support staff to ensure the successful operation of the Safe Drinking Water Information System (SDWIS) database and interfacing applications
- Manage grant contracts and subcontractor agreements
- Support the Office Director with technical assistance and recommendations regarding data administration and policies that may impact the data management team or processes

9/16 – Present

Environmental Health Specialist Consultant

Performed technical duties in developing, maintaining and supporting the Office of Drinking Water's use of the VDH Geographic Information System (GIS) and the management of the Source Water programs. Duties include:

- Support the development and integration of new or upgraded geospatial products and services
- Troubleshoot and train end-users
- Support geospatial analysis and mapping efforts, with a focus on geospatial analyses to evaluate potential impacts to public drinking water sources
- Provide GIS assistance to VDH during emergency response exercises and incident investigations
- Coordinates with agency contractors for software maintenance
- Works with team members to coordinate with Source Water Protection Program contractors, partners, and ODW staff to deliver end products and help increase waterworks participation in Virginia's Source Water Protection program
- Participates in the Drought Monitoring Task Force and develops monthly reports to deliver to the group
- Assists with special projects, studies, and information requests as needed
- Manage contracts for companies creating Source Water Protection Programs for utilities on behalf of the Office of Drinking Water
- Administer grant program for wellhead protection activities
- Give program presentations to various audiences throughout the Commonwealth of Virginia

6/13 – 9/16

EnviroScience, Inc., Stow, Ohio and Richmond, Virginia

GIS Analyst / Biologist – primary objective is to determine and assist with clients' environmental permit and government coordination needs. Responsibilities and requirements include:

- Perform and manage spatial data analysis, convert between CAD and GIS environments, and create cartographic products for clients
- Manage and organize all GIS project requests for the company and coordinate with coworkers both in-office and remotely
- Provide field support for various departments including participation in wetland delineations as well as fish and mussel surveys
- Prepare reports and documents for federal and state agencies for the wetland permitting process
- Proficient with ESRI's ArcGIS software suite and familiar with Trimble and Pathfinder Office GPS software for use both in office and in field

8/12 – 12/12

University of Mount Union Department of Biology, Alliance, Ohio

Researcher (Senior Project)

- Conducted study in conjunction with the City of Alliance's Water Treatment Facility to identify ways to improve the quality of drinking water in the Walborn Reservoir
- Researched the effects of aluminum sulfate on phosphorus concentrations and proposed a potential use for the facility's excess aluminum sulfate, which established the grounds for further research into the safe use of the chemical in public reservoirs
- Published and presented findings in community and campus events, journals and signage

Summer 2012	**National Science Foundation** **Research Experience for Undergraduates (REU)**, Miami University, Oxford, Ohio *Researcher (Paid Internship plus 12 Hours Class Credit)* • Studied the relationship between surface and groundwater around Oxford, Ohio in order to better manage surface water and to determine the best water treatment technique for the City of Oxford • Discovered patterns in water use that established grounds for further research into better management practices for the City of Oxford's drinking water wells • Published and presented findings during a research symposium attended by the community
Honors & Awards:	**Employee Recognition Award - Virginia Department of Health, Third Quarter 2018** **2013 Capital One Academic-All American of The Year for NCAA Division III Women's Track & Field** **NCAA Division III Women's Track & Field Championships** • 2013 National Champion – indoor 400 meter dash • 2012 National Champion – outdoor 200 meter dash
Memberships:	**Virginia Association for Mapping and Land Information Systems -** statewide, nonprofit membership association for professionals who are involved and concerned with the mapping sciences. **Richmond Young Professionals Kiwanis – Treasurer -** An organization based in Richmond Virginia with a focus on making a positive impact in the community. **Virginia Association of Wetland Professionals** - A group that promotes networking and communication between currently practicing wetland professionals across the state of Virginia.
Certifications:	Red Cross First Aid/CPR, Wetland Delineation Training