

Mohawk River Watershed Management Plan Implementation Tracking Application



Services / Expertise

GIS Web Application Development
Data Discovery & Compilation
Web Hosting

Markets

Government
NGOs

Project Location

Montpelier, Vermont

Date Completed

2012-present

Project Owner

Mohawk River Watershed Coalition

Project ID#

2015-240

Project Manager

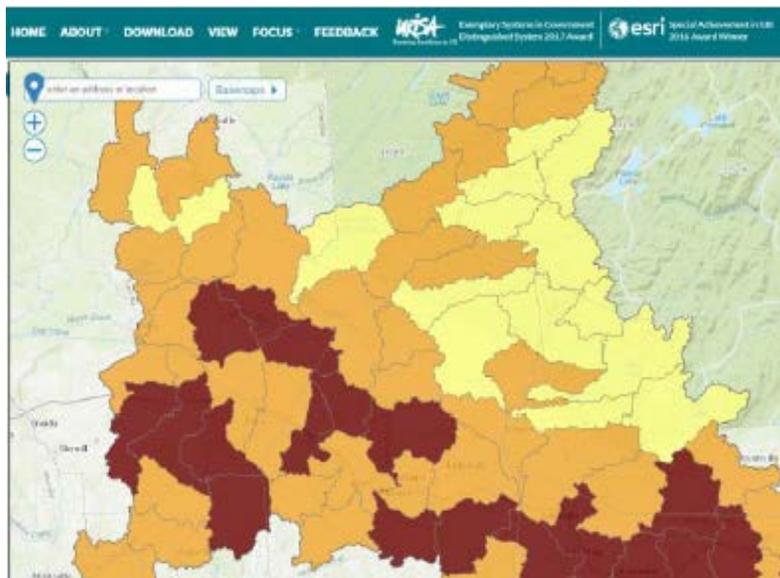
Katie Budreski

Project Team

Alan Hammersmith
Nick Floersch
David Healy

Key Project Components

- Developed an online, web-based application for a multi-partner, non-profit organization to draft a shared watershed management plan and develop data-driven watershed management recommendations and strategies.
- Compiled, aggregated 20 different watershed databases
- Created data visualization and mapping tools to engage stakeholders in the planning process and educate community members about key components of the plan
- Updated to allow users to login into secure interface to update and track implementation progress
- Provided user training and support
- Migrated data to the New York Geographic Information Gateway



The mapping app presents detailed information about watershed boundaries, hydrology, soils, residual development, habitat, infrastructure, pollution, floodplains, governance, and more.

THE Mohawk River Watershed Coalition is made up of 14 New York soil and water conservation districts encompassing 228 towns. In 2012 Stone worked with the Coalition to compile, develop, illustrate and host over 60 GIS datasets for the Mohawk River watershed in a web-based mapping application, including ecological, social, and economic information.

Stone conducted monthly meetings with a Mohawk GIS Working Group that represented stakeholders including MRWC members, municipal staff within the watershed area, and the project coordinator. The working group assisted in identifying appropriate datasets and determining the importance of various habitat, land use, and water quality criteria for implementation activity prioritization.

In 2014, we worked with MRWC to expand the online mapping application to provide planners a secure platform to explore further and use to implement the Watershed Management Plan recommendations. The application was designed to include user provided information on specifics of the management recommendation, location, purpose, priority, estimated cost, potential funding sources, and status, where available. The application provides members the ability to login to the application and make updates about progress toward completion of different tasks or projects. The system also allows stakeholders to visualize progress of sub-watershed management activities. Stone trained Coalition members how to use the tracking system through a recorded webinar.

In 2017, the web-based mapping application was migrated to the New York Geographic Information Gateway. The current version of the web-based MRWC datasets can be found by visiting <http://opdgig.dos.ny.gov/#/map/mohawk>.