**PROJECT TITLE:** **Expanding the Interactive Natural Resource Atlas for Minnesota**

**Dr. Lucinda Johnson, Natural Resources Research Institute (NRRI), University of Minnesota Duluth (UMD)**

**Key Qualifications**

As the Water Initiative leader, Dr. Lucinda Johnson (NRRI-UMD Associate Director, a landscape and aquatic ecologist) has been directing a team of scientists involved in the development of Phase 1 of the Natural Resource Atlas for Northeast Minnesota, (<https://mnnaturalresourceatlas.org/> )--- an initiative funded by the MN Legislature to NRRI. This project was developed to bring natural resource data directly into the hands of end users and the general public, with particular emphasis on use by organizations with little technical capacity to conduct complex spatial analyses. To that end, the Atlas was developed hand in hand with both end users and other technical developers of digital, online tools. Johnson has led three previous LCCMR projects (2005; 2007; 2016) quantifying climate change impacts on aquatic resources in Minnesota. Johnson has considerable experience leading large projects, including a prior project to validate indicators of coastal ecosystem conditions ($1.67M, funded by USEPA). The Atlas team consists of programmers, as well as social scientists, natural scientists, and educators.

**EDUCATION**

Ph.D., Zoology, Michigan State University, 1999

M.S., Environmental Science and Forestry, State University of New York, 1984

B.A., Duke University, 1976

**Project Team:**

This team brings together a broad set of skills from three different groups across the University of Minnesota: the Natural Resources Research Institute - University of Minnesota Duluth (NRRI - UMD), the Center for Changing Landscapes - University of Minnesota (CCL - UMN), and Minnesota Sea Grant. The NRRI group has demonstrated success developing web-based tools and deep knowledge of Minnesota’s forest, water, and geological resources. **Dr. George Host** is the Director of the Forest and Land Initiative at NRRI-UMD and a forest ecologist with extensive experience characterizing and mapping the distribution of forest cover types across Minnesota. **Dr. George Hudak** is the director of the Minerals, Metallurgy, and Mining Initiative at NRRI-UMD and an economic geologist with extensive knowledge of the geology of Minnesota. **Mr. John DuPlissis** is the NRRI Silviculture Program Manager and has a strong background in forestry extension services. **Dr. Mae Davenport** is the Director of the Center for Changing Landscapes and researches the human dimensions of natural resources and recreation management. **Ms. Cindy Hagley** is an Environmental Quality Extension Educator with Minnesota Sea Grant has extensive experience facilitating the transfer of knowledge from the public to researchers and resource managers.

**ORGANIZATION DESCRIPTION**

**The Natural Resources Research Institute** is a University of Minnesota Duluth applied research organization. NRRI's mission is to deliver research solutions to balance Minnesota's economy, resources and environment for resilient communities.