**PROJECT TITLE: Enhancing habitat and diversity in cattail-dominated shorelines**

**Project Manager Qualifications**

Dr. Amy J. Schrank is an Adjunct Assistant Professor and Teaching Specialist in the Department of Fisheries, Wildlife, and Conservation Biology at the University of Minnesota. Schrank’s expertise is in fish and aquatic ecology, aquatic ecosystem management, and conservation. She has conducted field research in aquatic ecosystems over the last 23 years in both streams and lakes and with life stages of fishes ranging from larvae to adults. Since 2017, Schrank has worked in cattail dominated ecosystems in the Great Lakes as a co-PI on an EPA, Great Lakes Restoration Initiative grant to understand the effects of hybrid cattail on Great Lakes coastal wetland fish communities. This research is resulting in manuscripts for journal publication, presentations, and public outreach about the effects of cattails on fishes and potential management solutions.

**Professional Preparation**

* **University of Wyoming**: Ph.D. Zoology and Physiology, Statistics minor, Research: Movement patterns of cutthroat trout in streams, 2002
* **University of Michigan**: M.S. Resource Ecology and Management: Aquatic Ecosystems, Research: Fish maneuverability, 1997
* **University of Michigan**: B.S. Biology and Spanish, 1995

**Relevant recent grant funding:**

2017-2019 **EPA: Environmental Education Local Grants Program ($122,788)**

Title: Creating Great Lakes Stewards to Promote Clean Water & Healthy Urban Watersheds in Detroit

PI: J. Chadde, Evaluator: **A. Schrank**

2017-2019 **EPA: Great Lakes Restoration Initiative ($649,695)**

Title: Increasing biodiversity and habitat complexity in invaded wetlands

PIs: N. Tuchman & S. Lishawa, Co-PIs: D. Albert, E. Clark, N. Reo, **A. Schrank**, B. Lawrence

2015 - 2016 PI: **Research Excellence Fund – Research Seed Grant (REF-RS), Michigan Tech ($23,000)**

Title: Biophysical factors affecting stream fish movement and community biodiversity.

PI: **A. Schrank**

**Organization Description:**

The Department of Fisheries, Wildlife, and Conservation Biology at the University of Minnesota Twin Cities provides world-class training and expertise to contribute to the management, conservation, and sustainable use of fisheries and wildlife resources. Our goal is to use innovative teaching, research, and outreach to respond to societal needs for information and education pertaining to natural resources.