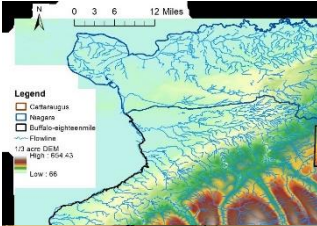


Great Lakes Ecosystem Science (GLES) M.S. Internship Profiles

GLES M.S. students have completed their required GLC 688 Internships working on a number of environmental science projects at different agencies and organizations. A summary of their experiences can be found below.



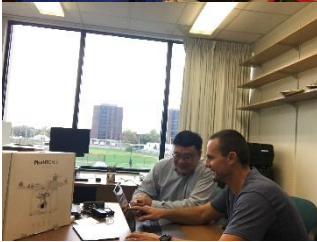
Erie County Department of Environment and Planning

Used FEMA's HAZUS data and toolsets and GIS to model and estimate potential losses from flooding in Erie County, NY and along the New York State Lake Erie Shoreline.



Great Lakes Center

Compiled wet-to-dry weight ratios of Great Lakes benthic organisms for long-term monitoring efforts.



Center for Health and Social Research

Developed a web site and smartphone application to collect geospatial data on air quality parameters



WNY Partnership for Regional Invasive Species Management (PRISM)

Researched slender false brome (*Brachypodium sylvaticum*), an invasive grass species, and developed a GIS-based model for habitat suitability.



Buffalo Niagara Riverkeeper

Conducted field data collection and laboratory analysis for the Regional Lake Erie/Niagara River Watershed Management Plan – Phase 2.



Buffalo Niagara Riverkeeper

Conducted field data collection and laboratory analysis for the Regional Lake Erie/Niagara River Watershed Management Plan – Phase 2.



New York State Department of Agriculture and Markets
Studied plum pox virus and the Plum Pox Virus Eradication Program for the New York State Department of Agriculture and Markets Plant Industry.



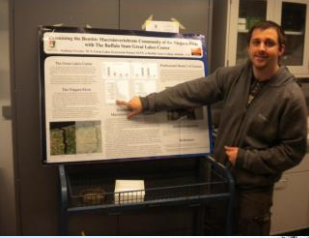
Tift Nature Preserve

Designed a restoration project to improve fish habitat in Lake Kirsty, with final goals of ecosystem restoration, enhanced fish and wildlife habitat and improved public fishing.



Great Lakes Center

Studied the effect of *Dreissena* on the organic matter, and Oligochaeta vertical distribution and abundance in the Great Lakes.



Great Lakes Center

Historical investigation of the spatial and temporal variation of the benthic macroinvertebrate community of the Niagara River.



Buffalo Niagara Riverkeeper

Conducted research on invasive plant species and Living Shorelines restoration projects in the Niagara River watershed.



Ecology and Environment, Inc.

Monitored water quality parameters during construction of an offshore natural gas pipeline in an area with known threatened and endangered marine species (Atlantic Sturgeon and Right Whale).



Buffalo Niagara Riverkeeper

Qualitatively assessed baseline stream conditions throughout the Niagara River Greenway to inform future watershed management decisions.