

Saint Mary's University of Minnesota's GeoSpatial Services (GSS) project center proudly introduces their natural resources assessment team. The team is growing in support of GSS's expanding National Park Service Natural Resource Condition Assessment program. GSS began its program in 2008 with the Wrangell-St. Elias NP NRCA project. Since that time, it's grown to include sixteen NPS NRCA projects and the Badlands climate change vulnerability assessment. The team includes the following professional staff:

**Shannon Amberg**



Shannon has a Bachelor's degree in Geography and Environmental Studies from Aquinas College in Michigan and a Master's degree in Geography and Conservation Biology from Ohio University. After completing her Master's degree, Shannon worked with the West Virginia Division of Wildlife as a stream restoration technician and the Idaho Fish and Game as a wildlife technician working specifically with non-game birds. After countless hours doing fieldwork, she soon came to the realization that, in order to make progress with many of our natural resource challenges, it is imperative to work with the different publics that use, rely on, and abuse the environment. This led Shannon to pursue a Ph.D. in Natural Resources at the University of

Idaho. Specifically, she studied in the Department of Conservation Social Sciences, a program which focuses on the social psychology of how people integrate into and use the natural environment. She specialized in how people perceive environmental risks as being personally relevant and how communications and knowledge of information processing can be used to influence positive attitudes about environmental conservation and encourage more environmentally sustainable behaviors. After finishing her Ph.D. in 2008, Shannon joined the faculty in the Forestry and Natural Resources Department at Purdue University where she was an Assistant Professor of Human Dimensions of Natural Resources until May 2010. A family decision to relocate to La Crosse, Wisconsin offered up the opportunity for Shannon to join the GSS team in August 2010, where she works as a natural resource specialist on Climate Change Vulnerability Assessments and Natural Resource Condition Assessments in National Parks and other federal lands. In her free time, Shannon enjoys spending time playing outdoors with her husband especially doing such activities as fly-fishing, snowboarding, hiking, and camping.

**Greta Bernatz**



Greta is a natural resources and GIS analyst at GeoSpatial Services and serves as an instructor in the University's Department of Resource Analysis. Greta completed a Bachelor of Arts degree at Luther College in 2005 and earned her Master of Science degree in geographic information science from Saint Mary's University in 2009 with a concentration in natural resource management. Prior to beginning education and employment at SMU, Greta was a research health science specialist for two years at the Center of Excellence for Limb Loss Prevention and Prosthetic Engineering in Seattle, Washington. At GSS, Greta has worked primarily on NRCA projects for Klondike Gold Rush National Historical Park and Denali National Park and Preserve but also contributed to the NRCA report for Wrangell-St. Elias National Park and Preserve. Greta is starting work on the NRCA report for Sitka National Historical Park.

## Barry Drazkowski



Barry is the Executive Director GeoSpatial Services, Saint Mary's University of Minnesota. He started the current operation in 1997 when he left Federal employment to work for Saint Mary's and grow their project operations. He is responsible for developing the Upper Mississippi River Basin Stewardship Initiative, the Upper Mississippi Stakeholder Network, protocols for NWI development in Alaska and Iowa, natural resource condition assessments for Denali, Wrangell-St. Elias, Klondike, Devils Tower, Wind Cave, Jewel Cave, Missouri National Recreational River National Parks, British Petroleum's national pipeline GIS and web-based GIS applications, FWS' NWI update mapping in several States, and a host of other GIS projects.

He spent 10 years as a biologist and manager with the Fish and Wildlife Service and USGS, and served as the Deputy Director of the USGS Long Term Resource Monitoring Program for the Upper Mississippi River. He spent his first 10 years with the Federal government as an environmental planner for the St. Paul District, COE. During that time he represented the COE operations in the development of the Habitat Evaluation Procedures, facilitated development of the Minnesota and Wisconsin Wetland Evaluation Procedures, and developed the St. Paul District' geographic information system. He is a member of the FGDC Wetland Subcommittee, Mississippi River Congressional Advisory Committee, City of Winona's Aghaming Park Board and their Riverfront Development Commission, Great Lakes Restoration Data and Information Technical Committee, and the Will Dilg Chapter of the Izaak Walton League. Barry enjoys time with his family, his farm in Buffalo County's bluff country, and a variety of gun and archery big game hunting.

## Kathy Kilkus



Kathy attended Knox College in Illinois as an undergraduate, receiving a Bachelor's Degree in biology with a concentration in environmental studies and earning honors for a senior research project in animal behavior. She went on to complete a Master's Degree in Conservation Biology and Sustainable Development at UW-Madison. Her focus there was on land management and she participated in a project with the Wisconsin DNR, studying the expansion of a State Natural Area. She has worked for Prairie Restorations, Inc., as a management crew leader and with the MN Department of Agriculture's gypsy moth trapping program. She also worked at a public charter school where she enjoyed sharing her passion for biology and love of the outdoors with children of all ages.

### Mike Komp



From 2007-2009, Mike worked for the Raffa Forest Entomology Lab, University of Wisconsin - Madison, as a lab technician helping research the effects of root herbivory by a suite of invasive weevils on hardwood forest composition in the upper Midwest. He worked as a technical writer for the Wisconsin Department of Natural Resources, helping develop action plans for various state-threatened and endangered species. In 2009, he graduated from the University of Wisconsin-Madison with a B.S. degree in Wildlife Ecology and began pursuing an M.S. in Geographic Information Science at Saint Mary's University of Minnesota. He began working for GSS on Natural Resource Condition Assessments in the fall of 2009. He

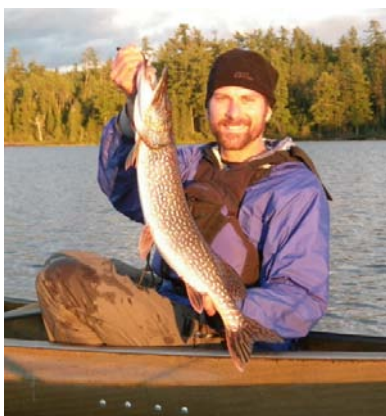
currently is working on the Wrangell-St. Elias National Park and Preserve and various National Parks and Monuments in the Northern Great Plains Inventory and Monitoring Network, NRCA project. Mike's project focus is the terrestrial vertebrate NRCA components, and is playing a key role in developing spatial and document templates, and training procedures. Mike enjoys fly-fishing and taking advantage of the many Southeast Minnesota trout streams.

### Andy Nadeau



Andy attended Saint Mary's University of Minnesota, majoring in Environmental Biology, and graduated in 2007. From 2007-2010, attended Boise State University in order to obtain a Masters Degree in Raptor Biology and will graduate in Spring 2011. Andy's field experience includes avian surveys and population counts; fish mark and recapture, electro shocking, exotic species removal; and raptor capture, surveys, and bald eagle banding. In his free time, Andy is an avid disc golfer and continues his hockey career in adult hockey leagues. He was married to his wife Missy in 2010, and has a pet dog named Hyzer.

### Kevin Stark



Kevin stark is a G.I.S and natural resource analyst at GeoSpatial Services, specializing in communicating landscape scale spatial information to wide array of audiences. Kevin earned a B.S. of Forestry from the University of Wisconsin – Stevens Point in 1999, providing him with a broad natural resource understanding. Graduate coursework in GIS (St. Mary's) from 2006 to 2008 allows him to creatively use G.I.S tools to answer natural resource questions. From successful career paths in the past (sales management and arboriculture), he applies many of the communication skills learned to multiple projects at GSS. Over the last four years, Kevin contributed to GSS projects ranging from oil industry GIS data conversion, imagery processing, wetland mapping, wetland field verification, and natural resource condition assessments for Alaska and Northern Great Plains National Parks. Currently, landcover/use, native plant communities, and natural disturbance regimes (e.g. wildfire) are his focuses in the natural resource condition assessments. Kevin loves fishing (small-mouth bass and pike are especially fun), canoeing, scuba-diving, and gardening.