

**SMSU Environmental Science Student Research Projects and Presentations given at
the SMSU Undergraduate Research Conference (URC)
2006 - Present**

Author	Title	Date	Faculty Advisor
Kathy Fenger	Effects of golf course maintenance on water quality in Lyon County Minnesota	Fall 2006	Deaver
Katie Elizabeth Freeman	Geomorphology of the Redwood River		Dilley
Amy Heiderscheidt	Comparative water quality study of the Redwood River and Ramsey Creek, southwestern Minnesota		Deaver
Kyle Jarcho	Restoration of the Camden Prairie Pools		Deaver
Oliver B. Kiprotich	Thirty year soil development in the restored prairie and pine forest vegetation of the Southwest Minnesota State University Wildlife Area.		Jones
Ashley Kleven	Beef feedlot characterization and issues in Lyon County, Minnesota		Dilley
Kasey LaSota	Analysis of water samples at three sites in the South Branch of the Yellow Medicine River for tetracycline		Dilley
Rachel Marden	Water quality of School Grove Lake and its implications		Deaver
Nick Reishus	The history and effects of cropland conservation programs in southwestern Minnesota		Deaver
Greg Frank	Salinity of Highway Soils	Fall 2007	Dilley
Kasey Holm	A Comparative Study of Plant Species Diversity of Native Tallgrass Prairie and Restored Tallgrass Prairie		Deaver
Eric Iszler	Anti-Predator Responses by Bluegill Sunfish (<i>Lepomis macrochirus</i>) Exposed to Predator Odors		Deaver
Amy Schnoes	Evaluation of Fishing Surveys for Otter Tail Lake, Minnesota		Deaver
Merry St. Aubin	Canopy Composition, Species Density, and Ecological Change of the Coniferous Forest in the Southwest Minnesota State University Wildlife Area, Marshall, MN		Jones
Amrita Tandukar	Soil Associations in the Redwood River Valley		Dilley
Ashley Beaner	Impacts of Differing Fertilizer Applications on Microbial Diversity in Rhizospheres of Snap Bean (<i>Phaseolus vulgaris</i>) Plants	Fall 2008	Deaver
Fred Bursack	Ecosystems of Lyon County Drainage Ditches		Deaver
Rachel Chamblin	Habitat Selection of Ring-Necked Pheasants (<i>Phasianus colchicus</i>) Moody County, South Dakota		Deaver
Shradda Dhungel	Effect of Motor Oil Contamination on the Survival of <i>Daphnia magna</i>		Deaver
Nicole Gilitiuk	Sodium Levels in Water from Different Buildings on the Campus of Southwest Minnesota State University		Deaver
Kimberley Hoppe	Density of Earthworms (belonging to the family Lumbricidae) at Lake Brophy County Park, Alexandria, Minnesota		Jones
Jeff Kelly	Rock Joint Control on Cliff Face Directionality at Blue Mounds State Park, Southwest Minnesota		Dilley
Amanda Kiecker	Variations in Natural Floodplain Characteristics Along the		Dilley

	Redwood River, Southwest Minnesota		
Brandi Pankratz	Comparing Select Water Quality Parameters in the Little Cottonwood River and a Nearby Pond in Brown County, Minnesota		Deaver
Nic Podoll	Variation in Soil Organic Carbon Content in the LaMoure-LaPrairie Soil Association as a Function of Land Use Patterns in Southwest Minnesota		Dilley
Megan Stegmeir	Effects of Aspen Bracket Fungi (<i>Phellinus tremulae</i>) on Growth of Quaking Aspen (<i>Populus tremuloides</i>) in Wild River State Park, MN		Jones
Amy Heiderscheidt	Lower Sioux Indian Community Wetland Observations		Deaver
Josh Brusven	A Look Into the Lakeview Public School's Wetland Area		Deaver
Rachel Chamblin	Classification of an Urban Wetland in Marshall, Minnesota		Deaver
Ashley Beaner	Study of the Wetlands at Schoneman Park in Luverne, Minnesota		Deaver
Lindsey Crowell, Amy Rubin, Tracy Stallman and Justin Wager	The Redwood River Monitoring Project		Deaver
Jesse Ratzsch and Annie Smith	A Freshman Research Experience: Survey of Soil, Water and Microbial Activity: Part A. Project Overview		Dilley
Jacob Olson, Amanda Meine and Ben Pedersen	A Freshman Research Experience: Survey of Soil, Water and Microbial Activity: Part B. Soil Analysis		Jones
Ryn J. Bursack, Michael R. Beaudoin and Samantha Angell	A Freshman Research Experience: Survey of Soil, Water and Microbial Activity. Part C. Water Analysis		Deaver
Jesus Rodriguez, Azhar Adam and Chae Alverio	A Freshman Research Experience: Survey of Soil, Water and Microbial Activity. Part D. Microbial Ecology		Greenfield
Tun Aye	Tree Regeneration in the Southwest Minnesota State University ADM-SMSU Environmental Learning Center	Fall 2009	Jones
Rachel Johnson	Monarch Butterfly (<i>Danaus plexippus</i>) Larvae Occurrence in the Southwest Minnesota State University ADM-SMSU Environmental Learning Center		Deaver
Kao Mong Kue	Are the Bedrock Joints Controlling Canyon Formation Along Split Rock Creek in Garretson, South Dakota?		Jones
Sharmila Timilshina	Study of the Community Structure and Composition of Plant Species Around East and West Twin Lake, MN		Jones
Josh Brusven	History of Agricultural Land Use in the Area Surrounding East and West Twin Lakes in Southwestern Minnesota		Deaver
Jess Onken	Waterwise Landscaping in Southwestern Minnesota		Deaver
Matt Moon	Determining a Source of Fecal Coliform Bacteria (<i>E. coli</i>) in a Tributary of the South Branch of the Yellow Medicine River	Fall 2010	Deaver , Greenfield
Tetsuro Nagase	A Catalog of Sedimentary Structures and Environments of the Late Proterozoic Sioux Quartzite in Southwestern Minnesota		Dilley
Shane Neperman	A Seasonal Change in Dissolved Oxygen and Water Temperature and its Affect on Walleye (<i>Stizostedion vitreum</i>) Catch in Bean Lake in Cottonwood County, Minnesota		Deaver
Logan VanDyke	Soil Forming Factors in Lyon County, Southwest Minnesota		Dilley

Jake Beckstrom	Observations and Data Analysis of the SMSU Event Center Wetland		Deaver
Anja L. Hogan	Seasonal Variation in the Market Street Mall Wetland		Deaver
Jordon Austin	Monitoring Seasonal Changes in Marshall, Minnesota's West Erie Road Wetland		Deaver
Tetsuro Nagase	Birch Street Wetland Monitoring and Seasonal Change in Marshall, MN		Deaver
Chris Green	Observation and Analysis of Dead Coon Marsh		Deaver
Wokil Bam	Study of Seasonal Variations in Water Quality and Vegetation in a Shallow Wetland at Independence Park, Marshall, MN		Deaver
Kevin Okello	Observation of a Wetland Near Highway 23 in Marshall, MN		Deaver
Tatsuro Shindoh	Observation of Wetlands Near the Baseball Stadium at SMSU		Deaver
Amanda Meine	Seasonal Observations of a Ditch Wetland in Brown County, Minnesota		Deaver
		Fall 2011	
Anja Hogan	Oxygen Isotope Ratios and Snowflake Crystallization in Snowfalls in Marshall, MN		Deaver, Dilley
Amanda Meine	Effects of Flooding on Canola (<i>Brassica napus</i>) and Barley (<i>Hordeum vulgare</i>) Plants of Different Ages		Deaver
Jake Beckstrom	Excavation of an <i>Oreodont Merycoiododon</i> Fossil		Dilley, Deaver
Crystal Boit	Habitat Change Due to Urbanization in Bloomington, MN		Kost, Dilley
Leah Riley	A Comparison of Vegetative Profiles from Ecoregions of the Redwood River		Deaver, Dilley
Jordan Austin	Chemical Changes in Water Quality Due to Floating Leaved and Submerged Aquatic Vegetation		Deaver
Chris Green	Quaternary Stratigraphy and Geomorphology of Glacial Units in Camden State Park		Dilley
Tatsuro Shindoh	Characterization of Sands Along the Redwood River in the Southwest Minnesota Region		Dilley
Maxon Keating	Survey Analysis for Marshall, MN – Environmental Attitudes and Knowledge		Deaver
Erin Weller	Precipitation History and Evaluation of Southwest MN		Dilley