

Example SMSU Environmental Science Student Research Projects and Presentations

<i>Author</i>	<i>Title</i>	<i>Date</i>	<i>Format</i>
Shradda Dhungel	Effect of Motor Oil Contamination on the Survival of <i>Daphnia magna</i>	Fall 2008	Oral
Jeff Kelly	Rock Joint Control on Cliff Face Directionality at Blue Mounds State Park, Southwest Minnesota		Oral
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		Oral
Sharmila Timilshina	Study of the Community Structure and Composition of Plant Species Around East and West Twin Lake, MN	Fall 2009	Oral
Josh Brusven	History of Agricultural Land Use in the Area Surrounding East and West Twin Lakes in Southwestern Minnesota		Oral
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	Fall 2010	Oral
Jordon Austin	Monitoring Seasonal Changes in Marshall, Minnesota's West Erie Road Wetland		Poster
Jordan Austin	Chemical Changes in Water Quality Due to Floating Leaved and Submerged Aquatic Vegetation	Fall 2011	Oral PowerPoint
Jake Beckstrom	Excavation and Interpretation of an Oligocene <i>Oreodont Merycoidodon</i> Fossil		Oral
Chris Green	Quaternary Stratigraphy and Geomorphology of Glacial Units in Camden State Park, Southwest Minnesota		Oral
Anja Hogan	Oxygen Isotope Ratios and Snowflake Crystallization in Snowfalls in Marshall, Minnesota		Oral
Amanda Meine	Effects of Flooding on Canola (<i>Brassica napus</i>) and Barley (<i>Hordeum vulgare</i>) Plants of Different Ages		Oral
Brooke Burmeister	Effects of Barley Extract on the Growth of Algae <i>Spirogyra</i> , <i>Synedra</i> , and <i>Ankistrodesmus</i>	Fall 2012	Oral
Hadiza Raji	Comparing the Metabolic Fingerprint of Bacterial Communities in Different Sites of the Redwood River in Marshall, MN		Oral
Levi Windingstad	Investigation of the Antelope Moraine in Lyon and Yellow Medicine Counties Minnesota		Oral
Stephanie Speer	Historical Population Expansion and Land Use in Lyon County and Marshall, Minnesota		Oral
Brian Nordby	Benthic Macroinvertebrates as an Indicator of Water Quality in the Redwood River Near Vesta, Minnesota		Oral
Rachel Graupmann	<i>Staphylococci</i> Occurrence and Resistance to Antibiotics on the Southwest Minnesota State University Campus		Oral
Diana Moe	Diversity of Invertebrates in a Prairie, Tree-covered and Mowed Lawn Area of the ADM-SMSU Environmental Learning Center		Oral

Hannah Beeler	Evaluation of Land Snail Populations in Deciduous and Coniferous Forests in the SMSU Wildlife Area (*Best Oral Presentation Award at 8 th URC)	Fall 2013	Oral PowerPoint
Jared Wagner	Comparison of Macroinvertebrate and Planktonic Populations in a Newly Constructed Stormwater Holding Pond and an Existing Stormwater Holding Pond		Oral
Jessie Eckroad	The Natural History of Renville County, Minnesota	Fall 2014	Oral
Samantha Ritter	Evaluation of the permanent structural charge of a mixed-layer soil silicate		Oral
Courtney Lingen	Seasonal Ecological Observations of the <i>Sleep Inn</i> Wetland in Marshall, MN		Poster
Casey Field	Evaluation of Biological and Chemical Changes in a Freshwater Marsh near Marshall, MN		Poster
Samantha Ritter	Impacts of Cover Crops and Tillage Management on Soil Quality in Southern Illinois (summer REU work)		Poster
Devin Ryan	Seasonal survey of frog and toad species and abundance at multiple sites near Lake Sarah, Southwest Minnesota	Fall 2015	Oral PowerPoint
Caci Lingen	Survey of Pollinators in the ADM-SMSU Wildlife Area Marshall MN Summer 2015		Oral
Terence Maier	Habitat Preferences for Mule and White-Tailed Deer in South Central South Dakota		Oral
Krishna Ghimire	Effects of LED Light vs Fluorescent Light on the Growth of Radish Plants (<i>Raphanus sativus</i>)		Oral
Justin Hill	Seasonal Changes in the Biota and Water Quality at Black Rush Lake WPA	Fall 2016	Poster
Nahom Tsegaye	Differences in lichen distribution on various granitic rock outcrops, Minnesota River Valley, southwest Minnesota	Spr 2017	Oral
Justin Hill	Using gravestones as a means to estimate the growth rates of <i>Dimelaena oreina</i> and <i>Xanthoria elegans</i> lichens in Southwest Minnesota	Fall 2017	
Beau Swenson	Differences in invertebrate populations as influenced by water quality at four locations in Lake Titlow, Sibley County Minnesota		Oral
Melissa Klecker	Characterization of Tree Species in the ADM-SMSU Environmental Learning Area at Southwest Minnesota State University		Oral
Garrett Wee	Bird Surveys in the ADM- SMSU Environmental Learning Area		Oral
Taylor Olson	Characterization of bacterial populations in soils of different ages after land use changes		Oral