

# Oral Presentations

## TNR 170

<b>Time</b>	<b>Presenters</b>	<b>Title</b>
9:00AM	Nicole Luoma Abby Mueller	Examining the Apparent Survival and Detection Probabilities of Urban Eastern Gray Squirrels ( <i>Sciurus carolinensis</i> ) in Schmeeckle Reserve, Stevens Point, WI
9:20AM	Dane Friis	Analysis of Land Cover and Water Resource Interactions in Wisconsin
9:40AM	Max Monfort	Yellow Perch Responses Following a Large Scale Centrarchid Removal in McDermott Lake, Wisconsin
1:00PM	Garrett Vetter	Influence of Flow and Water Temperature on Smallmouth Bass Size Structure and Growth in Southwestern Wisconsin Streams
1:20PM	Roxanne Gasperetti Sydney Paoli Rianna Taylor	Internal Parasites of the American Woodcock in the Upper Midwest
1:40PM	Jeremy Murray Kody Woodcock James Doss	Effect of Tree Canopy Coverage and Trap Placement on Southern Flying Squirrel Trap Success in Schmeeckle Reserve
2:00PM	Amber Smith	Mercury Exposure in Migrating and Breeding Wood Ducks in Central Wisconsin
2:20PM	Cece Giesen Amber Smith Alayna Reynolds Abby Mueller Will Watry	Home Range and Habitat Selection of Rehabilitated and Released Female Black Bears in Northern Wisconsin

# Oral Presentations

## TNR 120

<b>Time</b>	<b>Presenters</b>	<b>Title</b>
9:00AM	Gavin Meyer	Analysis on Treatment methods of Northern Red Oak regarding White-Tailed Deer Bud Browse
9:20AM	Dylan Undlin	Effects of Stream Alteration on Aquatic Macroinvertebrate Drift in Buena Vista Creek and the Little Plover River, Portage County Wisconsin
9:40AM	Matthew Bartz	Walleye Spawning Movements and Temperature Cues in Tributary Rivers to Green Bay, Lake Michigan
1:00PM	Luke Trittelwitz Tess Bigalke Shayla Schmitz	Analysis of Waterfowl Browse on Wild Rice ( <i>Zizania aquatica</i> ) in Northwestern Wisconsin
1:20PM	Kayla Reed	Initial Insights on the Thermal Ecology of Lake Whitefish in Northwestern Lake Michigan
1:40PM	Patrick Catalano	Evaluation of Natural and Artificial Habitat on Brook and Brown Trout in Central Wisconsin Streams
2:00PM	Gina Magro	Avian Blood Parasites of Waterfowl in Green Bay, WI.
2:20PM	Selina Walters	Effects of Riparian Habitat on Brook Trout Prey Availability, Diet, and Body Condition in the Little Plover River, Wisconsin
2:40PM	Jeremy Murray	Whitetail Deer Habitat Selection and Predator Encounter

# Poster Presentations

## 10:00AM

### Presenters Title

Kayla Reed	Initial Insights on the Thermal Ecology of Lake Whitefish in Northwestern Lake Michigan
Jacob Tepsa	Analysis of Environmental Education in Higher Education Programs: Opportunities for Professional Development
Darian Woller	Environmental influences on adaptive genomic variation of Lake Michigan's lake whitefish
Lily Lefebvre	Evaluating Sensors as a Tool for Investigating Effects of Agriculture on a Groundwater Fed Stream
Molly Murr, Catrina Johnson, Emily Knack	Effects of Window Coverage and Cardinal Direction on Urban Bird-Window Collisions on UW-Stevens Point Campus
Nicole Luoma, Katie Carlson, Justin Lechner, Alex Stone	Population Estimates and Capture Probabilities of Urban Eastern Gray Squirrels ( <i>Sciurus carolinensis</i> ) in Schmeeckle Reserve, Stevens Point, WI
Jeremy Murray	Correlation of Fawn and Predator Observations
Jeremy Murray, Jake Voigt	University of Stevens Point Student Chapter of Ducks Unlimited
Grant Koch, Ashley Whitis, Jesse Tucker, Beck Mayer	Elevation Use in Woodpeckers and Nuthatches
Gina Magro	Avian Blood Parasites of Waterfowl in Green Bay, WI.
Dylan Undlin	Brook Trout Population Characteristics, McGee Lake, Langlade County, Wisconsin

# Poster Presentations

## 10:00AM

Presenters	Title
John Turczyk, Noah Banach, Amy Arrigo, Noah Andexler, Jeffrey Edwards, Anna Powers	Preliminary Studies of Bumblebee Populations and Species Occupancy in Central Wisconsin
Nicholas Albers, Mike Ayensu-Mensah, Tyler Jolin, Aster Kabat, Max Kindschuh, Mary Joy Relagio, Zach Tower	Phytoremediation with Cannabis sativa - A comparative analysis of the effects of heavy metal, soil type, and fertilizer treatments on plant fitness
Eli Nedden	How Soil Properties Affect Wetland Seed Bank Analysis and Reflecting Wetland Restoration Potential
Jacob Tepsa, Grace Wieland, Casey Baye, Emily Michalzik, Brayden Mueller	Preliminary Study Investigating Nest Box Use of Cavity-Nesting Waterfowl Species in Central Wisconsin
Dane Friis	Analysis of Land Cover and Water Resource Interactions in Wisconsin
Ben Heinen	Effect of Iron and Ammonia on the Chlorination of Municipal Well Water in the Village of Sussex, Wisconsin
Tou Vue	Breeding Bird Diversity in Managed and Unmanaged Forests
Tess Bigalke, Amber Smith, Morgan Goff, Samantha Stellmacher	Trap Success of Female and Male Southern Flying Squirrels in Schmeeckle Reserve 2020-2022

# Poster Presentations

## 12:00PM

Presenters	Title
Claire Jensen, Nathan Stremcha, Emily Gilbertson	Development of In-field Diagnostic Methods for Identification of Spodic Materials
Cody Hagloch	Walleye Size Structure in Mississippi River Pools 11 and 13 Relative to Changes in Harvest Regulations
Parker Kreie, Kody Woodcock, Julie Nasiatka	Small Mammal Diversity Comparison Between Forests in Northern Wisconsin
Patrick Catalano, Garrett Vetter, Isaac Cavanaugh, Colton Sime, Darian Woller	Evaluation of Natural and Artificial Habitat on Brook and Brown Trout in Central Wisconsin Streams
Luke Trittelwitz, Reece Lisowski, Andrew Mehus, Jessica Bielak	Yearly Survival and Growth Rates of Propagated Fatmuckets ( <i>Lampsilis siliquoidea</i> ) in Central Wisconsin
Luke Trittelwitz, Tess Bigalke, Shayla Schmitz	Analysis of Waterfowl Browse on Wild Rice ( <i>Zizania aquatica</i> ) in Northwestern Wisconsin
Ashley Whitis, Alyse Erenberge, Julia Nasiatka, Amelia Shingle	Laysan Albatross ( <i>Phoebastria immutabilis</i> ) Bolus Ratio of Organic vs. Inorganic Materials
Sam Korducki, Garret Brown	Determining Proper Nutrient and Heavy Metal Contents in WI Septage to Manage Current WI Regulations
Ava Cross-Weisbeck, Catrina Johnson, Zachary Cason	Modeling Sound Propagation of Ruffed Grouse ( <i>Bonasa umbellus</i> ) from Drumming Logs in Northern Wisconsin
Roxanne Gasperetti, Sydney Paoli, Rianna Taylor	Internal Parasites of the American Woodcock in the Upper Midwest
Nicole Luoma, Dana Lotz, Sophie Hauser, Sophie Reid	Differential Timing of Migrating Northern Saw-Whet Owls ( <i>Aegolius acadicus</i> ) Based on Age Categories

# Poster Presentations

## 12:00PM

### Presenters

### Title

Jeremy Murray

Whitetail Deer Habitat Selection and Predator Encounter

Trevor Howe

Anthropogenic Sound in Wisconsin

Trent Kloepping, Selina Walters

Effects of Riparian Habitat and Canopy Cover on Macroinvertebrate Drift in the Little Plover River, Wisconsin

Bella Kirkpatrick,  
Olivia Greymount,  
Rebecca Swenson

Seed Bank Study of the Island in Lake Joanis in Schmeeckle Reserve

Hailey Trompeter, Kaj Fritsch

Effects of Climate Change on Microbial Communities in Restored Wetlands

Lizzi Gizzi, Aidan Matson

Assessing the Effectiveness and Environmental Impacts of Alternative Deicers in Comparison to Standard NaCl-Based Road Salt

Gavin Meyer

Analysis on Treatment methods of Northern Red Oak regarding White-Tailed Deer Bud Browse

Tess Bigalke, Morgan Goff, Amber Smith, Samantha Stellmacher

Abundance Estimates of Southern Flying Squirrels (*Glaucomys volans*) in Schmeeckle Reserve 2022

Claire Jensen, Emily Gilbertson

Analysis of Key Soil Nutrients and Physical Properties on a Managed Grazing Operation in Junction City, WI

# Poster Presentations

## 3:00PM

Presenters	Title
Gabby Michlig, Julia Nasiatka, Nick Larson, Gabby Eklund	Sex abundance of Rusty crayfish ( <i>Orconectes rusticus</i> ) in Mill Creek, WI at different times of day
Jackson Mikel, Olivia Stellpflug	Modulator Dependent PFAS Adsorption Within a Porous Solid
Claire Harwood, Amber Devalk, Trevor Pike, Samantha Stellmacher, Reece Lisowski, Lydia Dobberstein, Brayden Mueller	Densities of White-tailed Deer on Forests in North- Central Wisconsin
Jessica Bjornson, Sophia Halverson, Cassie Loeffler	Using Stomach Content Analyses to Identify Diets of Male and Female Bobcats
Caden Jungbluth	Muskellunge epigenetic clock: non-lethal DNA-based aging
Shelby Sterken	The influence of prescribed fire on trap success of Southern Flying Squirrels ( <i>Glaucomys volans</i> ) and Eastern Gray Squirrels ( <i>Sciurus carolinensis</i> ) in Schmeeckle Reserve, WI.
Amber Smith	Composting Deactivation of Chronic Wasting Disease Prions: Final Results
Patrick Catalano	Evaluating the Resident Bull Trout Density in Fourth of July Creek
Molly Moder, Shelby Sterken, Parker Kreie	Influence of Calorically Dense Bait on Urban Eastern Gray Squirrel ( <i>Sciurus carolinensis</i> ) Body Condition in Schmeeckle Reserve, Stevens Point, WI
Kayla Reed Blake Taymer	Smallmouth Bass Diet Analysis in a Warmwater Central Wisconsin Stream Using the Aquatic Community Assemblage

# Poster Presentations

## 3:00PM

Presenters	Title
Roxanne Gasperetti, Sydney Paoli, Shayla Wagner	Wetland Management Practices Associated with Parasite Diversity
Reece Lisowski	Relation between body temperature and response to surveyor disturbance in <i>Sistrurus c. catenatus</i>
Alana Spang	Phragmites ( <i>Phragmites australis</i> ssp. <i>australis</i> ) removal and native plant recolonization in Schmeeckle Reserve
Michael Weaver	Exploring the use of the Foundry Byproduct Slag to Remove Phosphorus from Water
Ava Cross-Weisbeck, Scott Lindenberger, Austin Wallin, Zachary Cason, Catrina Johnson, James Doss, Everly Eldeen	Analysis of the Impact of Stem Density on Ruffed Grouse Drumming Direction in Northern Wisconsin
Connor Jaloszynski, Gregor Willms	Little Plover River Headwaters Wetland Restoration Remnant Seedbank Study, Plover, Wisconsin
Jacob Beer	Impacts of Diet Availability and Composition on Condition and Abundance of Post-larval Walleye
Elise Bass	Macrophyte Coverage Improves Largemouth Bass Abundance and Size-Structure: a RAD Application for Aquatic Plant Management in Wisconsin Lakes
Tess Bigalke	Estimating Home Ranges of Southern Flying Squirrels ( <i>Glaucomys volans</i> ) Using Encounter Histories in Schmeeckle Reserve