

UW-Stevens Point College of Natural Resources  
Jim and Katie Krause CNR Student Research Symposium

Highest Honors - Oral Presentations

**Casey Kroening**

**Waterfowl Distributions and Habitat Use on Pool 8  
of the Mississippi River During Autumn Migration**

*Advisers: Benjamin Sedinger, Ph.D., Kirsten Schmidt, Stephen Winter*

**Natalie Coash**

**Phenology and Habitat Utilization of Spawning  
Brook Trout in the Little Plover River, WI**

*Adviser: Joshua Raabe, Ph.D.*

**Cole Suckow, Carter Freymiller, Aiden Gehrke,  
Madison Fell, Nicole Luoma, and Sophie Reid**

**Compared Morphometrics of Northern Saw-Whet Owls  
(*Aegolius acadicus*) Trapped in Sandhill Wildlife Area  
and Schmeckle Reserve**

*Adviser: Jason Riddle, Ph.D.*

**Arthur Young**

**Influence of Hard Mast Production on Bait  
Site Visitation Frequency of *Ursus americanus***

*Advisers: Nathan Kluge and Cady Sartini, Ph.D.*

**Rachel Valeria and Logan Cutler**

**Effects of Riparian Habitat on Diets of Brook Trout  
in the Little Plover River, Wisconsin**

*Advisers: Jered Studinski, Ph.D., Jeff Dimick, Joshua Raabe, Ph.D.*



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Honorable Mentions - Oral Presentations

**Bethany Brownfield and Shannon O'Fallon**

**Effectiveness of Native Plant Regeneration after Glossy Buckthorn Removal and Treatment in Schmeckle Reserve**

*Advisers: Michael Demchik, Ph.D. and James Cook, Ph.D.*

**Colby Powers**

**Factors Affecting the Presence of Invasive Buckthorn (*Rhamnus cathartica* & *Frangula alnus*) in Wisconsin School Forests**

*Advisers: Shuva Gautam, Ph.D., James Cook, Ph.D., T.J. Boettcher*

**Allison Luebke, Nicole Lueck, and Gina Magro**

**Parasite Communities in Populations of Greater and Lesser Scaup in Green Bay, WI**

*Adviser: Sarah A. Orlofske, Ph.D.*

**Cole Suckow, Carter Freymiller, Aiden Gehrke, Madison Fell, Nicole Luoma, and Sophie Reid**

**Comparison of Northern Saw-whet Owl (*Aegolius acadicus*) Frequency and the Prey Availability in Schmeckle Reserve**

*Adviser: Jason Riddle, Ph.D.*

**Shelby Truckenbrod**

**Evaluating Wild Turkey Brood Activity Levels in Wisconsin Using Snapshot Wisconsin Trail Camera Images**

*Advisers: Hannah Butkiewicz, Jason Riddle, Ph.D., Christopher Pollentier, Jennifer Stenglein, and Emily Buege Donovan*

**Carter Freymiller and Luke Trittelwitz**

**Frequency of Leucocytozoon spp. Blood Parasites Found in Red-shouldered Hawk (*Buteo lineatus*) Adults and Nestlings in Central Wisconsin**

*Advisers: Shelli Dubay, Ph.D. and Matthew Hanneman*



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Highest Honors - Poster Presentations

**Teresa Wolf, Hunter Lemler,  
Emily Yulga, and Jacon Buettner**

**Soil Organic Matter Can Predict Soil Color in  
Wisconsin Central Sands Region**

*Adviser: Bryant Scharenbroch, Ph.D.*

**Arua de Catro Ferreria, James O'Shea,  
John Haas, and Shannon O'Fallon**

**Will Plant Diversity Improve Soil Quality and  
Maximize Carbon Storage in a Prairie Restoration?**

*Adviser: Bryant Scharenbroch, Ph.D.*

**Hannah Lukasik**

**Using Acesulfame to Determine Septic System  
Impact to Wisconsin Lakes**

*Advisers: Paul McGinley, Ph.D. and Amy Nitka*

**Reece Muellen and Michaela Meehl**

**Utilizing Molecular Phylogenetic Analyses to Identify  
Helminth Communities of Waterfowl**

*Advisers: Sarah Orlofske, Ph.D. and Robert Jadin, Ph.D.*

**Isabel Dunn**

**Benthic Macroinvertebrate Community Responses to  
Wastewater Treatment Plant Discharges in Central  
Wisconsin**

*Advisers: Kyle Herrman, Ph.D. and Jeff Dimick*



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Honorable Mentions - Poster Presentations

**Ryan Michalesko**

**Geospatial Analysis of Residential Sector Greenhouse Gas Emissions and the Carbon Sequestering Properties of Local Natural Spaces**

*Advisers: Shiba Kar, Ph.D. and Anna Haines, Ph.D.*

**Melinda Houtman**

**Intoxication Cases in Passerines and Near-Passerines Through Eight Years of Avian Rehabilitation in Northern Wisconsin**

*Advisers: Shelli Dubay, Ph.D. and Jason Riddle, Ph.D.*

**Rachel Valeria and Logan Cutler**

**Effects of Riparian Habitat Type on Macroinvertebrate Drift in the Little Plover River, Wisconsin**

*Advisers: Jered Studinski, Ph.D., Joshua Raabe, Ph.D., and Jeffery Dimick*

**Allison Luebke, Nicole Lueck, and Gina Magro**

**Parasite Communities in Populations of Greater and Lesser Scaup in Green Bay, WI**

*Adviser: Sarah A. Orlofske, Ph.D.*

**Cole Suckow, Carter Freymiller, Aiden Gehrke, Madison Fell, Nicole Luoma, and Sophie Reid**

**Comparison of Northern Saw-whet Owl (*Aegolius acadicus*) Frequency and the Prey Availability in Schmeckle Reserve**

*Adviser: Jason Riddle, Ph.D.*

**Adam Laehn and Mark Cook**

**Can Permanganate Oxidizable Carbon Help Draw Differences Between Ecological Site Descriptions?**

*Adviser: Bryant Scharenbroch, Ph.D.*

**Brady Roberts, Logan Cutler, Catrina Johnson, and Phillip Maguire**

**Preliminary Study into how Cover Type Adjacent to Home Range Affects Drumming Patterns in Ruffed Grouse (*Bonasa umbellus*) in Northern Wisconsin**

*Adviser: Jason Riddle, Ph.D.*

**Elianne Heilhecker, Casey Kroening, Aiden Gehrke, and Victoria Fasbender**

**Selection of Nest Boxes by Cavity Nesting Waterfowl Based on Diameter at Breast Height in Mead Wildlife Area**

*Adviser: Benjamin Sedinger, Ph.D.*

**Nicole Luoma, Maddie Hartlaub, Rebecca Funk, Noah Andexler, Kaylee Woelfel, and Adam Tess**

**Population Estimate of Urban Eastern Gray Squirrels in Schmeckle Reserve**

*Advisers: Shelli Dubay, Ph.D. and Benjamin Sedinger, Ph.D.*



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