

Tanner L. Carlson

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Education

University of South Dakota, Vermillion, SD **Anticipated Graduation December 2022**
Master of Science degree in Biological Sciences
GPA: 4.0

North Dakota State University, Fargo, ND **Graduated December 2017**
Bachelor of Science degree in Zoology-Emphasis in Wildlife and Fisheries Management
GPA: 3.33/4.0 Graduated in 3.5 years
Deans list: Fall 2016

Internships/Experience

South Dakota Game, Fish, and Parks, Sioux Falls, SD **April-November 2019,**
Seasonal Fisheries Technician **April-May 2020 (Covid)**

- Participated in walleye spawning
- Lead small groups of interns on various tasks including lake surveys
- Maintained and fixed various sampling gear such as gill nets and trap nets
- Worked independently and as part of a team on various tasks
- Mounted and aged fish spines and otoliths using a microscope
- Maintained fleet vehicles and boats
- Assisted in AIS sampling on local lakes
- Assisted in the capture and tagging of Muskies in local lakes
- Prepared the trucks and boats everyday for sampling work
- Educated youth in fish identification
- Used GIS technology to properly set gear and record data

Montana Fish, Wildlife, and Parks, Miles City, MT **May 2018-September 2018**
Seasonal Fisheries Technician/ Paddlefish creel clerk

- Illustrated attention to detail through recording creel data accurately
- Effectively worked well in a team through working together in a boat setting to collect data on various species using various sampling methods such as electrofishing and trammel netting
- Displayed a quality work ethic by always being positive and performing tasks at an efficient pace
- Assembled and operated various trapping and electrofishing devices
- Identified and tagged various native species including paddlefish
- Collected creel data during the paddlefish season
- Provided information and services to the public during the paddlefish season
- Showed public relation skills through teaching students about fish identification on kids fishing days

- Worked with endangered and concerned species often like Pallid Sturgeon and Paddlefish
- Assisted in the deployment of telemetry stations along the Yellowstone River

Minnesota Department of Natural Resources, Brainerd, MN **May 2017-Aug. 2017**

Index of Biological Integrity (IBI) Intern

- Illustrated attention to detail through preparing equipment and boats for use everyday
- Effectively worked well in a team through performing population and habitat assessments as part of a team everyday
- Displayed technical knowledge by using technology to fill out and modify surveys and population information
- Assembled and operated various trapping and electrofishing devices
- Assembled and repaired various types of gill nets and trap nets
- Effectively navigated to and around lakes using GPS and Lowrance units
- Correctly identified several fish and minnow species
- Worked independently and as a team to complete surveys and enter data

Minnesota Department of Natural Resources, Fergus Falls, MN **May 2016-Oct. 2016**

Watercraft Inspection Intern

- Illustrated effective communication and people skills through informing the public about invasive species
- Effectively worked well individually by inspecting boats individually
- Displayed technical knowledge by educating the public on Minnesota boating laws.
- Successfully maintained organization by filling out detailed surveys for each inspection
- Worked as part of a team to inspect and decontaminate boats
- Acted as a representative of the MN DNR and relayed questions and concerns of the public to professionals in the field

Lab/Research Experience

Wesner Lab

Stockwell Lab North Dakota State University **Jan. 2017-Jan. 2018**

Dr. Craig Stockwell: Lab head, Madison Snider; Graduate Student

Undergraduate Research Assistant

- Demonstrated attention to detail by carefully recording data from experiments
- Assisted in various research experiments involving delicate endangered minnow species
- Operated independently to prepare experiments and testing arenas
- Demonstrated fish husbandry skills by ensuring all fish were fed and all tanks were properly maintained
- Helped to identify different problems with the experiments and come up with solutions

- Worked closely with Dr. Stockell and Ms. Snider to come up with new research ideas in this field
- Entered data that was collected into Microsoft Excel

Presentations/Publications/Reports

Presentations

American Fisheries Society Dakota Chapter-March 11th, 2021

Primary presenter: Tanner Carlson; Population Characteristics and Seasonal Movement of Blue Sucker on the James River, SD

Reports

Schall, B, T. Carlson, and D. Lucchesi. 2020. Biological characteristics and seasonal use of Blue Sucker in the James River, South Dakota. South Dakota Department of Game, Fish and Parks, State Wildlife Grant, Project T-86-R-1, Performance Report, Pierre.

Scholarships/Honors

Deans List: Fall 2016

Iron Range Scholarship 2014

KLN Enterprises Scholarship 2014

Dollars for Scholars scholarship 2014

Ottertail Rod and Gun Club Scholarship 2014

Relatable Skills/Coursework

- Knowledge of local fish and wildlife
- Ability to properly back up and unload a boat trailer
- GIS experience
- Experience using collector and ArcGIS Online
- Experience using trammel nets in a river setting
- Experience with radio transmitter fish tracking
- Experience electrofishing from a boat
- Ability to operate watercraft safely
- Ichthyology
- Experience using gill nets, vertical gill nets, trap nets, and electrofishing backpacks
- Public relation skills
- Experience performing habitat surveys
- Experience landing and handling large fish ex. paddlefish