

Andrew Johnson
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EDUCATION

Tennessee Technological University (TTU)	Cookeville, TN
<i>Bachelor of Science in Wildlife and Fisheries Science: Conservation, Summa Cum Laude</i>	<i>May 2022</i>
<i>GPA: 4.0</i>	
Roane State Community College	Crossville, TN
<i>Honors Associate of Science, Summa Cum Laude</i>	<i>May 2020</i>
<i>GPA: 4.0</i>	

- President's List (2018-2020)
- Academic Achievement Award (2019)

WORK EXPERIENCE

Colorado Parks and Wildlife	Brush, Colorado
Lead Fisheries Technician/Creel Clerk Manager	March 1, 2024 - Present

- Sampled 18 reservoirs, 13 ponds, and countless streams throughout the state to help inform management decisions and improve angler satisfaction
- Coordinated, directed, and led sampling crews consisting of Aquatic Biologists, Aquatic Technicians, Terrestrial Biologists, District Wildlife Managers, Wildlife Technicians, Area Wildlife Managers, Park Rangers, Park Resource Technicians, Park Managers, other state employees, and volunteers to conduct spring trap netting, fall gill netting, trot-lines, and summer electrofishing
- Researched catch-per-unit-effort and species selectivity of numerous warm- and cold-water species in North American Standard (AFS) versus Colorado Parks and Wildlife Standard (CPW) gill nets
- Coordinated, directed and led crews in electrofishing of streams, rivers, reservoirs, and ponds across the state using backpack units, boat units, barge units, and bank systems to sample fish populations.
- Caught and collected data on some of the first recorded adult and juvenile Bigmouth Buffalo in the state
- Removed over 130 invasive Bighead Carp weighing 30-55 lbs to prevent the spread of invasive species through the use of electrofishing where I netted fish and operated boats
- Removed of thousands of Common Carp from several waters to prevent the spread of invasive species
- Removal of perch via gill netting and electrofishing on the West slope to decrease populations and competition to increase growth
- Transported Yellow Perch across the Rocky Mountains to stock in Eastern slope waters
- Spawned Brown Trout, Walleye, Saugeye, and created triploid Walleye via pressure shocking to stock triploids in waters containing threatened and endangered species
- Led all coordination of fish plants, boat stocking, shore stocking, and transport of Walleye, Saugeye, Yellow Perch, Bluegill, Redear Sunfish, Black Crappie, Channel Catfish, Smallmouth Bass, Largemouth Bass, and Palmetto Bass (Wiper) eggs, fry (over 8 million per day), fingerlings, and adults

- Effectively communicated with warmwater Hatchery Managers regarding fish stocking locations and times
- Led other Aquatic Technician on a daily basis and taught essential fisheries management skills
- Interviewed and prompted questions for the hiring of creel clerks, researched and acquired housing for future creel clerks
- Professionally interacted with anglers while in the field by answering questions and providing suggestions regarding angling locations and techniques
- Qualified Supervisor certification for the application of restricted pesticides and piscicides
- Completed annual Pesticides Safety and Chemical Reclamation Training
- Featured in the upcoming (at editor) Fishes of Colorado book
- Decanned boats and sampling gear following aquatic nuisance species protocols and taught other fisheries technicians proper protocols
- Moved, Repaired, and fastened marina consisting of 80 ft dock sections that were destroyed and misarranged due to high winds
- Wired boat lights, switches, and trailers
- Replaced engine on 9.0 GPP Smith-Root electrofisher
- Operated skidsteer and backhoe around shop yard to perform various tasks

Colorado Parks and Wildlife

Lead Fisheries Technician

Brush, Colorado
March 1 - Nov. 30, 2023

- Coordinated, directed, and led 8 person crews during a research project to determine catch-per-unit-effort and species selectivity of numerous warm- and cold-water species in North American Standard (AFS) versus Colorado Parks and Wildlife Standard (CPW) gill nets
- Coordinated, directed, and led sampling crews consisting of Aquatic Biologists, Aquatic Technicians, Terrestrial Biologists, District Wildlife Managers, Wildlife Technicians, Area Wildlife Managers, Park Rangers, Park Resource Technicians, Park Managers, other state employees, and volunteers to conduct spring trap netting, fall gill netting, trot-lines, and summer electrofishing
- Led other Aquatic Technician on a daily basis, taught sampling methods and essential skills
- Captained boats with 8 occupants while pulling gill and trap nets at 16 reservoirs and numerous ponds across the state
- Coordinated and worked with other organizations including the U.S. Forest Service, Colorado Department of Public Health and Environment, Aquatic Animal Health Lab, Per- and Polyfluoroalkyl Substances (PFAS) Crew, and private landowners
- Boat stocked, shore stocked, and transported Walleye, Saugeye, Yellow Perch, Bluegill, Redear Sunfish, Black Crappie, Channel Catfish, Smallmouth Bass, Largemouth Bass, and Palmetto Bass (Wiper) eggs, fry (over 8 million per day), fingerlings, and adults
- Conducted spawning operations of Walleye, Saugeye, Arctic Grayling, and Brown Trout in which I captured fish using trap nets, gill nets, and electrofishing, sorted fish, spawned fish, cleaned eggs, packaged eggs, and hauled eggs to the hatcheries
- Performed native plains fish stream sampling with barge and backpack electrofishing and seining to capture, identify, and measure over 9,000 fish per day of 23 species, including state threatened Brassy Minnows and state endangered Suckermouth Minnows
- Removal of perch via gill netting and electrofishing on the West slope to decrease populations and competition to increase growth
- Sampled endangered Greenback Cutthroat Trout in mountain streams

- Transported Yellow Perch across the Rocky Mountains to stock in Eastern slope waters
- Performed chemical reclamations for the restoration of Greenback Cutthroat Trout populations in which I calculated the amount of Rotenone needed for different flows, drip stations, and sprayers, poured rotenone, set up and operated drip stations and sprayers, made and deployed sand bombs, and calculated the amount of potassium permanganate needed
- Removed otoliths and took fin clips and tissue samples for aging and genetics of Quillback, River Carpsucker, and their potential hybrids in conjunction with the development of the upcoming Fishes of Colorado book
- Led learning stations at a public outreach event where I took high school students electrofishing, trap netting, and taught sport fish and native species fish identification
- Professionally interacted with anglers while in the field by answering questions and providing suggestions regarding angling locations and techniques
- Completed annual Pesticides Safety and Chemical Reclamation Training
- Completed annual Plains Fish Identification Training taught by Dr. Kevin Bestgen at Colorado State University
- Entered every type of sampling data collected throughout the season
- Deconned boats and sampling gear following aquatic nuisance species protocols
- Constructed habitat and determined placement to create optimal habitat for fish and anglers' benefits
- Designed and constructed PVC gill net racking systems
- Designed and constructed native plains fish sampling trailer
- Performed boat trailer maintenance including wiring, brake repair, and repacking wheel bearings
- Performed aerial fixed-wing surveys of antelope populations with Terrestrial Biologist and agency pilot
- Operated skidsteer around shop yard to perform various tasks
- Repaired three bank-electrofisher generators that were not operating
- Helped Wildlife Technicians build boundary fence on State Wildlife Areas

Colorado Parks and Wildlife

Fisheries Technician

Brush, Colorado

June 1 - Nov. 30, 2022

- Electrofished in lentic and lotic environments using backpack, boat, barge, and bank systems to analyze populations of warm, cool, and cold-water species
- Operated a backpack sprayer for the chemical reclamation (rotenone) of streams for the reintroduction of the endangered Greenback Cutthroat Trout
- Discovered the first natural recruitment of Greenback Cutthroat Trout in a stream after reintroduction
- Operated various sized boats (10-24 ft) in adverse conditions (high winds, rain, sleet, snow, high altitudes) while electrofishing, setting and pulling trap nets and gill nets, and trot-lining
- Safely trailered various sized boats (10-24 ft) in urban and rural settings
- Sampled fish populations using gill nets, trap nets, seines, trot-lines, rod-and-reel, and electrofishing
- Identified over 80 species of fish including native, non-native, game, and non-game species
- Conducted spawning operations of Brown Trout by capturing fish in trap nets, sorting fish based on reproductive status, fertilizing eggs, cleaning eggs, and cleaning deceased fish for public donation

- Transported and stocked Largemouth and Smallmouth Bass, Palmetto Bass (Wipers), Bluegill, Yellow Perch, Walleye, Saugeye, and Channel Catfish
- Gave presentations to high school students about warmwater fish identification
- Mapped bathymetric features of ponds using Lowrance SONAR and mapped shorelines using GPS
- Helped Wildlife Technicians build boundary fence on State Wildlife Areas
- Completed annual Plains Fish Identification Training taught by Dr. Kevin Bestgen at Colorado State University
- Maintained and repaired equipment including sampling gear, boats, trailers, small engines, generators, and outboards
- Operated skidsteer around shop yard to perform various tasks

Tennessee Wildlife Resources Agency
Region 2 Wildlife Intern

Winchester, TN
May-July 2021

- Assisted with scientific studies and data acquisition of waterfowl, migratory birds, and the biodiversity of rodents
- Managed and manipulated the environment and habitat to promote overall diversity and health of the ecosystem using best management practices
- Promoted stakeholder satisfaction through the application of their best interests
- Cooperated with supervisors and other interns to perform tasks, creating beneficial working relationships

Johnson Complete Lawncare
Owner/Operator

Crossville, TN
2016-2022

- Portrayed a professional and positive attitude to establish and maintain healthy relationships
- Developed essential management and organizational skills
- Analyzed required tasks and communicated with customers on the course of action
- Maintained and managed customers' private properties to their satisfaction
- Implemented regular landscaping schedules to promote optimal growth and maintain attractive appearance of lawns and facility grounds
- Mowed, weed-eated, painted, sealed driveways, and installed landscaping features

Get Mowtivated LLC.
Lawncare Maintenance Associate

Mount Juliet, TN
June-July 2018

- Completed efficient, high-quality landscaping work for both commercial and residential customers while maintaining cost-effective operations and achieving high satisfaction ratings
- Provided each customer with dedicated service and assistance to build positive relationships and promote long-term brand loyalty
- Projected positive image of company by always dressing appropriately, acting professionally, keeping neat and organized vehicle spaces, and being punctual for all appointments

MEMBERSHIPS

- Member of Student Fisheries Association at Tennessee Technological University
- Angler for Tennessee Technological University Bass Fishing Team

HONORS AND AWARDS

- Graduated Summa Cum Laude from Tennessee Technological University
- Dean's List at Tennessee Technological University (2020-2022)
- W.A. Howard Award at Tennessee Technological University
- Nominated to join National Society of Leadership and Success (2020-2021) at Tennessee Technological University
- Graduated Summa Cum Laude from Roane State Community College
- President's List (2018-2020) at Roane State Community College
- Academic Achievement Award (2019) at Roane State Community College

RELATED SKILLS AND HOBBIES

- Hunting, fishing, camping, hiking, and other outdoor activities
- Dogs and dog training
- Small engine maintenance and repair
- Boat engine maintenance and repair

REFERENCES

Mandi Brandt
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Colorado Parks and Wildlife
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