

Mariana Owen

Field Biologist

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 Lakewood, IL 60014

STRENGTHS

-  **Strong Assessment Skills**
Identified key factors influencing aquatic ecosystems, driving targeted management efforts.
-  **Excellent Collaboration**
Worked alongside industry professionals to drive success in aquatic management projects.
-  **Effective Communication**
Presented research findings clearly, ensuring information was accessible and impactful for diverse audiences.
-  **Proficient in Data Analysis**
Used statistical software effectively to inform strategic decisions based on aquatic health metrics.
-  **Passionate Advocate for Sustainability**
Promoted community awareness of need for sustainable aquatic practices through volunteer initiatives.

SKILLS

- Aquatic Ecosystem Assessment
- Water Quality Analysis
- Data Entry and Management
- Team Collaboration
- Public Speaking
- Statistical Software (R, SPSS)
- Technical Support Problem Solving
- Project Management
- Community Engagement
- Research Methodologies
- Field Data Collection
- Environmental Education
- Fish Population Monitoring

SUMMARY

Dedicated biology graduate with hands-on aquatic management experience through academic projects and research. Demonstrated proficiency in assessing aquatic ecosystems, supported by a solid foundation in water resources and fisheries. Highly organized and motivated for team collaboration and problem-solving. Proven ability to conduct detailed data entry and enhance water quality with sustainable practices. Engaging presentations at conferences have highlighted contributions to community education on aquatic resource management. Eager to leverage academic knowledge in a field role that aligns with expertise and commitment to environmental stewardship.

EDUCATION

Bachelor's Degree in Biology

Lakewood University  GPA: 3.8  2026  Lakewood, IL

Coursework: *Aquatic Ecosystems, Water Quality Management, Fisheries Science, Environmental Policy*

TECHNICAL SKILLS

- **Data Analysis Tools:** R, SPSS, Excel
- **Statistical Methods:** Regression Analysis, ANOVA, Descriptive Stats
- **Aquatic Management Techniques:** Aeration Systems, Water Sampling, Sediment Analysis
- **Presentation Software:** PowerPoint, Google Slides, Prezi
- **Project Management Software:** Trello, Asana, Microsoft Project
- **Technical Writing:** Research Papers, Educational Materials, Grant Proposals
- **Communication Platforms:** Zoom, Slack, Microsoft Teams
- **Field Equipment:** Water Quality Test Kits, GPS Devices, Handheld Analyzers
- **Safety Certifications:** CPR, First Aid, Aquatic Manager Certificate
- **Collaboration Tools:** Miro, Google Docs, SharePoint

EXPERIENCE

Aquatic Management Researcher

University Project  August 2025 - Present  Lakewood, IL

Focused on aquatic management assessments of local pond ecosystems, supporting clients in environmental planning and solutions. Developed management plans, collaborated on data analysis, and engaged in sediment sampling. Created educational materials fostering community awareness of aquatic health. Presented impactful findings at regional conferences, receiving recognition for clarity and practical input on sustainable practices.

- Conducted extensive assessments of pond ecosystems, leading to actionable management strategies.
- Collaborated with fellow researchers to analyze complex water quality data, addressing prevalent ecological issues.
- Engaged in sediment and aquatic plant sampling, adding depth to management strategy formulation.
- Developed accessible educational materials promoting sustainable aquatic management practices in local communities.
- Showcased research outcomes at an environmental conference, enhancing community engagement through impactful presentations.
- Utilized statistical tools to derive valuable insights, bolstering data-driven decision-making processes.

Fisheries Management Assistant

Academic Research  January 2025 - July 2025  Lakewood, IL

Habitat Assessment

Aquatic Plant Identification

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



● Aquatic Management
Researcher at University Project
(1 Years)

● Fisheries Management
Assistant at Academic Research
(6 Months)

Supported fisheries research initiatives while collaborating closely with faculty. Gained practical experience in evaluating fish populations and aquatic habitats, significantly contributing to peers' studies on sustainable management techniques. Focused on accurate data handling and fieldwork protocols which informed high-level research outputs.

- Assisted in evaluating fish populations in waterways, contributing vital data to sustainability efforts.
- Collaborated in experimental designs focused on effective aquatic plant management techniques.
- Executed rigorous data entry, ensuring accuracy for comprehensive research reporting.
- Participated in engaging fieldwork, including habitat assessments, enriching practical research experience.
- Provided constructive criticism during peer reviews, facilitating improved overall research quality.
- Developed compelling presentations sharing research results across the university campus, promoting collaboration.

LEADERSHIP & AWARDS

- Dean's List, Lakewood University – 2024, 2025
- Winner, Statewide Environmental Science Competition – 2025

CERTIFICATIONS

- CPR and First Aid Certification 📅 2026
- HSA Certified Aquatic Manager 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Lakewood University Biology Club – 2024-2026
- Volunteer, Local River Cleanup Initiative – 2025

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST