

CURRICULUM VITAE

DYLAN M. OSTERHAUS

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Ecology
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EDUCATION

Graduate: New Mexico State University, Las Cruces, NM (August 2021 – current)

Ph.D., Biology

Dissertation Title: Impacts of Light Pollution on Desert Migrating Birds

Committee: Martha Desmond (NMSU), Timothy Wright (NMSU), Abby
Lawson (NMSU), Teri Orr (NMSU), Kyle Horton (CSU)

Graduate: Iowa State University, Ames, IA (July 2021).

M.S., Fisheries Biology

Thesis title: Topeka Shiner Associations and Best Sampling Practices for
Oxbow Wetland Fish Communities. DOI: 10.13140/RG.2.2.28160.76808

Committee: Clay Pierce, Timothy Stewart, Philip Dixon

Undergraduate: Emporia State University, Emporia, Kansas (May 2019).

B.S., Biology, Concentrated in Ecology and Biodiversity

Graduated Magna Cum Laude

High School: Seaman High School, Topeka, Kansas (May 2015).

Graduated Magna Cum Laude

PEER-REVIEWED PUBLICATIONS

1. **Osterhaus, D. M.**, S. S. Leberg, C. L. Pierce, T. W. Stewart, and A. McCombs.
In Press. Comparison of sampling methods for small oxbow wetland fish
communities. *PLOS ONE*.
2. **Osterhaus, D. M.**, S. S. Leberg, C. L. Pierce, T. W. Stewart, and A. McCombs.
2022. Oxbow Restorations for Topeka Shiner (*Notropis topeka*)
Recovery: Defining Success. *The American Midland Naturalist* **122**: 215-
224.

3. **Osterhaus, D. M.**, S. S. Leberg, C. L. Pierce, and T. W. Stewart. 2021. Return of Topeka Shiner to restored oxbows in the White Fox Creek watershed, Iowa, USA. *Journal of the Iowa Academy of Science* **128**: 3-6.
4. **Osterhaus, D. M.**, and W. E. Jensen. 2019. Does activity of white-tailed deer (*Odocoileus virginianus*) vary between human-hunted areas and refugia? *Transactions of the Kansas Academy of Science* **122**: 235-242.
5. Holmgren, J. G., **D. M. Osterhaus**, and J. A. Schaefer. 2019. Survey of fishes, semi-aquatic turtles, and crayfishes on the Emporia State University Natural Areas. *Transactions of the Kansas Academy of Science* **122**: 215-224.
6. **Osterhaus, D. M.**, and E. C. Martin. 2019. Trends in distribution of Plains Minnow (*Hybognathus placitus*) in Kansas from 1964 to 2017. *The American Midland Naturalist* **182**: 203-215.

FUNDED GRANTS

Radar Aeroecology Workshop **\$1,250**

Travel Grant

NEXRAD aeroecology workshop at Colorado State University

New Mexico Ornithological Society **\$1,000**

Ryan Beaulieu Research Grant

Going towards the light: Examining the potential impacts of light pollution on bird migration in southern New Mexico

T&E Inc. **\$3,000**

“Blinded by the light” Examining the effects of artificial lighting on bird migration in the desert southwest

OUTREACH ARTICLES & NON-TECHNICAL PUBLICATIONS

1. **Osterhaus, D. M.** 2022. Recap: Fall 2020 avian mortality event. *Roadrunner Ramblings*. https://www.mvasaudubon.org/_files/ugd/81262f_7bae7163bf141ea890da7d4eb3097c4.pdf
2. **Osterhaus, D. M.**, and K.C. Boland. 2021. Shedding “light” on migration mortalities: New research underway at NMSU. *Roadrunner Ramblings*. https://www.mvasaudubon.org/_files/ugd/81262f_5316ffc644734db68a55cccd0a21a977.pdf
3. **Osterhaus, D. M.** Book review: Field notes from an unintentional birder: A memoir by Julia Zarankin. *Iowa Bird Life*. 91(2): 98 – 99.

4. **Osterhaus, D. M.** 2021. Oxbows of dreams: If you build it... they will come; Return of the Topeka Shiner to the White Fox Creek basin of north central Iowa. *Iowa Chapter of the American Fisheries Society: Lateral Lines*.
5. **Osterhaus, D. M.** 2020. Defining success. *Boone River Review*, The Nature Conservancy in Iowa, Fall 2020, published online (https://booneriver.files.wordpress.com/2020/10/booneriverr_fall2020.pdf).
6. **Osterhaus, D. M.** 2020. New research in oxbow restoration in Iowa with an emphasis on Topeka Shiner (*Notropis topeka*). *Outdoor News Bulletin, Wildlife Management Institute*, Volume **75**, published online (<https://wildlifemanagement.institute/outdoor-news-bulletin/february-2020/oxbow-restoration-iowa-emphasis-topeka-shiner>).
7. **Osterhaus, D. M., S. S. Leberg, C. L. Pierce, T. W. Stewart, and A. Kenney.** 2020. Collaborating for conservation: coming together to conserve the Topeka Shiner. *Outdoor News Bulletin, Wildlife Management Institute*, Volume **74**, published online (<https://wildlifemanagement.institute/outdoor-news-bulletin/february-2020/oxbow-restoration-iowa-emphasis-topeka-shiner>).
8. **Osterhaus, D. M.** 2020. Creating an index of oxbow restoration quality for Topeka Shiners. *Iowa Chapter of the American Fisheries Society: Lateral Lines* **38**: 14.

TECHNICAL REPORTS

1. **Osterhaus, D. M., K. C. Boland, and M. J. Desmond.** Migration mortalities on White Sands Missile Range. Project progress report to White Sands Missile Range, Department of Defense.
2. **Osterhaus, D. M., C. L. Pierce, K. J. Roe, and M. J. Weber.** An index of oxbow restoration quality for Topeka Shiners based on the fish assemblage. 2021 Final Project Report to Iowa Soybean Association, Syngenta Crop Protection LLC, The Nature Conservancy, U.S. Fish and Wildlife Service.
3. **Osterhaus, D. M., C. L. Pierce, K. J. Roe, and M. J. Weber.** An index of oxbow restoration quality for Topeka Shiners based on the fish assemblage. 2021 Annual Report for the Iowa Cooperative Fish and Wildlife Research Unit.
4. **Osterhaus, D. M., C. L. Pierce, K. J. Roe, and M. J. Weber.** An index of oxbow restoration quality for Topeka Shiners based on the fish assemblage. 2021 Mid-year Progress Report to Iowa Soybean Association, Syngenta

- Crop Protection LLC, The Nature Conservancy, U.S. Fish and Wildlife Service.
5. **Osterhaus, D. M.**, C. L. Pierce, K. J. Roe, and M. J. Weber. An index of oxbow restoration quality for Topeka Shiners based on the fish assemblage. 2020 Annual Progress Report to Iowa Soybean Association, Syngenta Crop Protection LLC, The Nature Conservancy, U.S. Fish and Wildlife Service.
 6. **Osterhaus, D. M.** Sampling report for oxbow sampling methods efficacy project, 2020. Report to Iowa Soybean Association, Syngenta Crop Protection LLC, The Nature Conservancy, U.S. Fish and Wildlife Service.
 7. **Osterhaus, D. M.** Summer sampling report, 2020. Report to Iowa Soybean Association, Syngenta Crop Protection LLC, The Nature Conservancy, U.S. Fish and Wildlife Service.
 8. **Osterhaus, D. M.**, C. L. Pierce, K. J. Roe, and M. J. Weber. An index of oxbow restoration quality for Topeka Shiners based on the fish assemblage. 2021 Annual Report for the Iowa Cooperative Fish and Wildlife Research Unit.
 9. **Osterhaus, D. M.**, C. L. Pierce, K. J. Roe, and M. J. Weber. An index of oxbow restoration quality for Topeka Shiners based on the fish assemblage. 2020 Mid-year Progress Report to Iowa Soybean Association, Syngenta Crop Protection LLC, The Nature Conservancy, U.S. Fish and Wildlife Service.
 10. **Osterhaus, D. M.**, C. L. Pierce, K. J. Roe, and M. J. Weber. An index of oxbow restoration quality for Topeka Shiners based on the fish assemblage. 2019 Annual Progress Report to Iowa Soybean Association, Syngenta Crop Protection LLC, The Nature Conservancy, U.S. Fish and Wildlife Service.
 11. **Osterhaus, D. M.** Summer sampling report, 2019. Report to Iowa Soybean Association, Syngenta Crop Protection LLC, The Nature Conservancy, U.S. Fish and Wildlife Service.

ORAL PRESENTATIONS

1. **Osterhaus, D. M.**, T. Wright, and M. Desmond. March 2022. Shedding “light” on migration mortalities: New research underway at New Mexico State University. New Mexico Ornithological Society Annual Meeting, virtual.
2. **Osterhaus, D. M.**, and K. C. Boland. March 2022. Migration mortalities brought to light. Mesilla Valley Audubon Society Monthly Meeting, virtual.

3. **Osterhaus, D. M.**, T. Cutler, T. Wright, and M. Desmond. February 2022. Ongoing Research: Examining potential impacts of artificial light at night on avian migration. New Mexico Avian Conservation Partnership Meeting, Virtual.
4. **Osterhaus, D. M.** October 2021. Shedding “light” on migration mortalities: New research underway at New Mexico State University. Kansas Ornithological Society, Virtual Fall Meeting 2021. DOI: 10.13140/RG.2.2.14738.99528
5. **Osterhaus, D. M.** June 2021. Topeka Shiner Associations and Best Sampling Practices for Oxbow Wetland Fish Communities. Thesis presentation to the Department of Natural Resource Ecology and Management at Iowa State University.
6. **Osterhaus, D. M.**, S. S. Leberg, C. L. Pierce, and T. W. Stewart. February 2021. Return of the Topeka Shiner to restored oxbows in the White Fox Creek watershed. Iowa Chapter of the American Fisheries Society Virtual Conference.
7. **Osterhaus, D. M.**, S. S. Leberg, C. L. Pierce, and T. W. Stewart. February 2021. Comparison of sampling methodologies for small oxbow wetland fish communities. Iowa Chapter of the American Fisheries Society Virtual Conference.
8. **Osterhaus, D. M.**, S. S. Leberg, K. Wilke, D. Weissenfluh, and J. Pudenz. January 2021. Returning oxbows to Iowa’s landscape. Iowa Learning Farms Virtual Field Day.
9. **Osterhaus, D. M.**, S. S. Leberg, C. L. Pierce, and T. W. Stewart. September 2020. Creating an index of oxbow restoration quality for Topeka Shiner (*Notropis topeka*). American Fisheries Society Virtual Annual Meeting.
10. S. S. Leberg, **D. M. Osterhaus**, T. W. Stewart, and C. L. Pierce. September 2020. Effects of tile drainage on restored oxbows as habitat for endangered Topeka Shiners and other biota. American Fisheries Society Virtual Annual Meeting.
11. **Osterhaus, D. M.**, and E. C. Martin. April 2020. Trends in distribution of Plains Minnow (*Hybognathus placitus*) in Kansas from 1964 to 2017. American Fisheries Society Virtual Spring Conference.
12. **Osterhaus, D. M.**, S. S. Leberg, C. L. Pierce, and T. W. Stewart. April 2020. An index of oxbow restoration quality for Topeka Shiner (*Notropis topeka*) based on the fish assemblage. American Fisheries Society Virtual Spring Conference.

13. **Osterhaus, D. M.**, and E. C. Martin. March 2020. Trends in distribution of Plains Minnow (*Hybognathus placitus*) in Kansas from 1964 to 2017. Iowa State University Department of Natural Resource Ecology and Management Seminar Series Ignite Talks. Ames, Iowa.
14. **Osterhaus, D. M.**, S. S. Leberg, C. L. Pierce, and T. W. Stewart. March 2020. An index of oxbow restoration quality for Topeka Shiner (*Notropis topeka*) based on the fish assemblage. Iowa Chapter of the American Fisheries Society Conference. Honeycreek Resort at Rathbun Lake, Iowa.
15. S. S. Leberg, **D. M. Osterhaus**, T. W. Stewart, and C. L. Pierce. March 2020. Effects of tile drainage on restored oxbows as habitat for endangered Topeka Shiners and other biota. Iowa Chapter of the American Fisheries Society Conference. Honeycreek Resort at Rathbun Lake, Iowa.
16. **Osterhaus, D. M.**, S. S. Leberg, C. L. Pierce, and T. W. Stewart. February 2020. An index of oxbow restoration quality for Topeka Shiner (*Notropis topeka*) based on the fish assemblage. Upper Midwest Stream Restoration Symposium. Stillwater, Minnesota.
17. **Osterhaus, D. M.**, and E. C. Martin. April 2019. Trends in distribution of Plains Minnow (*Hybognathus placitus*) in Kansas from 1964 to 2017. Emporia State University Research and Creativity Day. Emporia, Kansas. **1st Place Undergraduate Oral Presentation (\$250)**

POSTER PRESENTATIONS

1. **Osterhaus, D. M.**, T. F. Wright, and M. J. Desmond. April 2022. Examining the Potential Impacts of Localized Light Pollution on Migrating Birds. New Mexico State University College of ACES Open House.
2. **Osterhaus, D. M.**, T. F. Wright, and M. J. Desmond. February 2022. “Blinded by the Light” Examining the effects of artificial lighting on bird migration in the desert southwest. Joint Annual Meeting of the Arizona and New Mexico Chapters of the Wildlife and American Fisheries Society, virtual.
3. **Osterhaus, D. M.**, S. S. Leberg, C. L. Pierce, and T. W. Stewart. April 2021. Oxbows of dreams: return of Topeka Shiner to the White Fox Creek watershed. Iowa State University Department of Natural Resource Ecology and Management Graduate Student Poster Session. Ames, Iowa.
4. **Osterhaus, D. M.**, and E. C. Martin. September 2020. Trends in distribution of Plains Minnow (*Hybognathus placitus*) in Kansas from 1964 to 2017. American Fisheries Society Virtual Annual Meeting.

5. **Osterhaus, D. M.**, S. S. Leberg, C. L. Pierce, and T. W. Stewart. April 2020. An index of oxbow restoration quality for Topeka Shiner (*Notropis topeka*) based on the fish assemblage. Iowa State University Graduate and Professional Student Senate Research Symposium.
6. S. S. Leberg, **D. M. Osterhaus**, T. W. Stewart, and C. L. Pierce. February 2020. Effects of tile drainage on restored oxbows as habitat for endangered Topeka Shiners and other biota. Upper Midwest Stream Restoration Symposium. Stillwater, Minnesota.
7. **Osterhaus, D. M.**, S. S. Leberg, C. L. Pierce, and T. W. Stewart. January 2020. An index of oxbow restoration quality for Topeka Shiner (*Notropis topeka*) based on the fish assemblage. Midwest Fish and Wildlife Conference. Springfield, Illinois.
8. S. S. Leberg, **D. M. Osterhaus**, T. W. Stewart, and C. L. Pierce. January 2020. Effects of tile drainage on restored oxbows as habitat for endangered Topeka Shiners and other biota. Midwest Fish and Wildlife Conference. Springfield, Illinois.
9. **Osterhaus, D. M.**, S. S. Leberg, C. L. Pierce, and T. W. Stewart. December 2019. An index of oxbow restoration quality for Topeka Shiner (*Notropis topeka*) based on the fish assemblage. Iowa State University Department of Natural Resource Ecology and Management Student Poster Session. Ames, Iowa.
10. Holmgren, J., **D. M. Osterhaus**, and J. Schaefer. April 2019. Survey of fishes, turtles, and crayfishes on the Emporia State University Natural Areas. Emporia State University Research and Creativity Day. Emporia, Kansas. **3rd Place Undergraduate Poster Presentation (\$100)**
11. **Osterhaus, D. M.**, and W. E. Jensen. April 2019. Impacts of human hunting activity on periods of activity and habitat use in White-tailed Deer (*Odocoileus virginianus*). Emporia State University Research and Creativity Day. Emporia, Kansas.
12. **Osterhaus, D. M.**, and W. E. Jensen. March 2019. Impacts of human hunting activity on periods of activity and habitat use in White-tailed Deer (*Odocoileus virginianus*). Kansas Academy of Science Conference. Overland Park, Kansas. **2nd Place Undergraduate Poster Presentation (\$100)**
13. **Osterhaus, D. M.**, and E. C. Martin. February 2019. Trends in distribution of Plains Minnow (*Hybognathus placitus*) in Kansas from 1964 to 2017. Undergraduate Research Day at the Capitol. Topeka, Kansas.

14. **Osterhaus, D. M.**, and E. C. Martin. January 2019. Trends in distribution of Plains Minnow (*Hybognathus placitus*) in Kansas from 1964 to 2017. Kansas Natural Resources Conference. Manhattan, Kansas.

SCHOLARSHIPS & AWARDS

- Mesilla Valley Audubon Society Richard Bischoff Memorial Scholarship (\$1500)
- AFS John E. Skinner Award Recipient (Registration for annual conference and 1 year membership for AFS)
- ISU Department of Natural Resource Ecology and Management Student Professional Development Grant (\$200)
- Janice Lee Fenske Memorial Award Finalist, 2020
- Graduate and Professional Student Senate Professional Advancement Grant 2020 (\$200)
- David P. Fellows Great Plains Nature Center Scholarship 2020 (\$500)
- 1st Place Undergraduate Oral Presentation, 2019 ESU Research and Creativity Day (\$250)
- 3rd Place Undergraduate Poster Presentation, 2019 ESU Research and Creativity Day (\$100)
- 2nd Place Undergraduate Student Poster Competition, 151st Annual Kansas Academy of Science Meeting 2019 (\$100)
- Kansas Chapter of the American Fisheries Society Klassen Award, 2019 (\$300)
- Kansas Chapter of The Wildlife Society Robel Memorial Award, 2019 (\$500)
- 3-time Phi Kappa Phi Awardee, 2019
- Nominated for Newberg Scholar, 2019 (Distinguished Senior Award at ESU)
- ESU Biology Department Honors Student (2015-2016, 2016-2017, and 2017-2018, 2018-2019 school years)
- ESU Shepherd Scholarship Recipient, 2018 (\$2000)
- Wayne Willis Scholarship Recipient, 2018 (\$2000)
- Kansas Water Environment Association Scholarship Recipient, 2018 (\$750)
- Emporia Community Foundation “What’s in Outdoors” Scholarship, 2017 (\$1000)
- Kansas Wildscape Foundation “Steve Harper Memorial Scholarship”, 2017 (\$1000)

- Kansas Honors Scholar, 2015
- Amy Lietz Scholarship, 2015 (\$500)

PROFESSIONAL SERVICE

STUDENT MENTOR

New Mexico State University Department of Fish, Wildlife, and Conservation Ecology Work skills, inclusivity, Leadership and Development Program. 2021 - Present

EDITOR

Field Notes. Iowa State University Department of Natural Resource Ecology and Management Graduate Student Organization Annual Journal. 2020 – 2021.

TREASURER

Iowa State University Department of Natural Resource Ecology and Management Graduate Student Organization. 2020 – 2021.

STUDENT AMBASSADOR

Emporia State University Department of Biological Sciences. 2018 – 2019.

PRESIDENT

Emporia State University Biology Club. 2015 – 2018.

PEER REVIEW

Integrative and Comparative Biology
Transactions of the Kansas Academy of Science

ORGANIZATIONAL MEMBERSHIPS

- Mesilla Valley Audubon Society. 2021 – Present.
 - Conservation Committee Member
 - “Light’s Out” Committee Member
- New Mexico Ornithological Society. 2021 – Present.
- Iowa Ornithologists’ Union. 2019 – 2022.
- Iowa State University Department of Natural Resource Ecology and Management Graduate Student Organization. 2019 – 2021.
- Iowa State University Student Subunit of the American Fisheries Society. 2019 – 2021.
- Kansas Chapter of the American Fisheries Society. 2017 – 2019.
- Kansas Chapter of the Wildlife Society. 2018 – 2019.

– American Fisheries Society. 2018 – Present.

REFERENCES

Dr. Clay Pierce, Professor Emeritus, Iowa Cooperative Fish and Wildlife Research Unit at Iowa State University. 2310 Pammel Drive 339 Science Hall II, Ames, IA, 50010. Phone: (515) 294-3159. E-mail cpierce@iastate.edu

Dr. William Jensen, Professor of Wildlife Biology, Emporia State University Department of Biological Sciences. ESU Campus Box 4050, 1 Kellogg Circle Emporia State University, Emporia, KS. Phone: (620) 341-5339. E-mail wjensen1@emporia.edu

Ryan Waters, Stream Ecologist, Kansas Department of Wildlife, Parks, and Tourism Ecological Services Section. 512 SE 25th St. Pratt, KS. Phone: (620) 672-5911. E-mail ryan.waters@ks.gov

Dr. David Edds, Professor Emeritus of Aquatic Ecology and Ichthyology, Emporia State University Department of Biological Sciences. 1 Kellogg Circle Emporia State University, Emporia, KS. Phone: (620) 341-5622. E-mail: dedds@emporia.edu