

Aaron T. Pearse, Ph.D.
U.S. Geological Survey
Northern Prairie Wildlife Research Center
8711 37th Street SE
Jamestown, ND 58401
(701) 253-5509
apearse@usgs.gov

EMPLOYMENT

2007–present Research Wildlife Biologist – U.S. Geological Survey, Northern Prairie Wildlife Research Center, Jamestown, ND

My current assignment is to design and conduct multidisciplinary studies of migratory birds and the habitats they depend on at regional, national, and international extents. I work on scientific research for federal and state natural resource agencies, providing findings and technical support on issues related to conservation and management of migratory birds (primarily waterfowl and other waterbirds), wetland ecology, and land management. My studies aim to assist conservation planners and managers improve, prioritize, and target their actions. My work provides new knowledge, approaches, and methodology necessary to address complex issues concerning migratory bird populations and habitat management. I am responsible for directing all phases of research, including study design and planning, project and budget management, data collection and analysis, results interpretation and reporting, and partner engagement and communication. I also serve partners by providing scientific review and expert opinion, primarily regarding topic related to avian ecology and management.

Current projects (2022):

Ecology and management of Aransas-Wood Buffalo whooping cranes

Temporospatial variation in duck nest survival

Ecology and management of midcontinent sandhill cranes

Development of survey methods for spring-migrating waterfowl in the Rainwater Basin of Nebraska

Evaluating human dimensions, economics, and waterbird use of farmed wetlands within agriculture fields (graduate student at North Dakota State University)

Relating predator community composition and duck nest survival in eastern South Dakota (co-advise graduate student at South Dakota State University)

Post-fledging movement and habitat selection by mallards in the fall and their effect on spring recruitment (co-advise graduate student at South Dakota State University)

EDUCATION

Mississippi State University, Ph.D., Forest Resources, 2007
Concentration: Wildlife & Fisheries

University of Idaho, M.S., Wildlife Resources, 2002

Kansas State University, B.S. with honors, Fisheries and Wildlife Biology, 1998

PROFESSIONAL ACTIVITIES AND SERVICE

Member of the Independent Science Advisory Committee of the Platte River Recovery Implementation Program (2022–present)

Member of the International Whooping Crane Recovery Team (2017–present). I was invited to serve as a recover team member by the USFWS leader to support continued recovery of the species by providing scientific guidance, review, and interpretation. A main effort I assisted with during the past few years was the development of a population viability analysis and review of the Species Status Assessment.

Associate Editor for *Wildlife Society Bulletin* (2014–2020)

Associate Editor for *Ornithological Applications* (formerly *The Condor*; 2020–present)

USGS representative to the Central Flyway (2010–present)

Participant in Rainwater Basin Joint Venture, Conservation Planning Working Group, 2008–present

Member-at-Large of the Executive Board of the Central Mountains and Plains Section of The Wildlife Society (2009–2011).

M.J. Murdock Charitable Trust – research proposal review, member, 2016

National Geographic grant review, member, 2017

Estonian Research Council, research proposal review, 2020

Ad hoc referee for *Agriculture, Ecosystems & Environment*; *American Midland Naturalist*; *Animal Biodiversity and Conservation*; *Auk*; *Avian Conservation and Ecology*; *Biological Conservation*; *Canadian Journal of Zoology*; *Condor*; *Freshwater Biology*; *Diversity and Distribution*; *Great Plains Research*; *Ibis*; *Journal of Field Ornithology*; *Freshwater Biology*; *Journal of Fish and Wildlife Management*; *Journal of Wildlife Management*; *Landscape Ecology*; *Natural Areas Journal*; *PLoS One*; *Polar Research*; *Prairie Naturalist*; *Natural Areas*; *Proceedings of the North American Crane Working Group*; *Southwestern Naturalist*; *Waterbirds*; *Western North American Naturalist*; *Wetlands*; *Wildfowl*; *Wildlife Biology*; *Wildlife Research*; *Wildlife Society Bulletin*; *Wilson Journal of Ornithology*

BIBLIOGRAPHY

ORCID 0000-0002-6137-1556, [Google Scholar Profile](#)

Peer-reviewed

1. Cavitt, J.F., **A.T. Pearse**, and R.A. Rintoul. 1998. Hybridization events of *Sialia currucoides* and *Sialia sialis* in northeastern Kansas. *Kansas Ornithological Society Bulletin* 49:21–25.
2. Cavitt, J.F., **A.T. Pearse**, and T.A. Miller. 1999. Brown thrasher nest reuse: A time saving resource, protection from search-strategy predators, or cues for nest-site selection? *Condor* 101:859–862. <https://doi.org/10.2307/1370076>
3. **Pearse, A.T.**, and J.T. Ratti. 2004. Effects of predator removal on mallard duckling survival. *Journal of Wildlife Management* 68:342–350. [https://doi.org/10.2193/0022-541X\(2004\)068\[0342:EOPROM\]2.0.CO;2](https://doi.org/10.2193/0022-541X(2004)068[0342:EOPROM]2.0.CO;2)
4. **Pearse, A.T.**, J.F. Cavitt, and J.F. Cully, Jr. 2004. Effects of food supplementation on female nest attentiveness and incubation mate feeding in two sympatric wren species. *Wilson Bulletin* 116:23–30. [https://doi.org/10.1676/0043-5643\(2004\)116\[0023:EOFSOF\]2.0.CO;2](https://doi.org/10.1676/0043-5643(2004)116[0023:EOFSOF]2.0.CO;2)
5. Kaminski, M.R., G.A. Baldassarre, and **A.T. Pearse**. 2006. Waterbird responses to hydrological management of Wetlands Reserve Program wetlands in New York. *Wildlife Society Bulletin* 34:921–926. [https://doi.org/10.2193/0091-7648\(2006\)34\[921:WRTHMO\]2.0.CO;2](https://doi.org/10.2193/0091-7648(2006)34[921:WRTHMO]2.0.CO;2)

6. **Pearse, A.T.**, B.S. Dorr, S.J. Dinsmore, and R.M. Kaminski. 2007. Comparison of sampling strategies to estimate abundance of double-crested cormorants in western Mississippi. *Human-Wildlife Conflicts* 1:27–34. <https://www.jstor.org/stable/24875049>
7. **Pearse, A.T.**, and V.G. Lester. 2007. Correlation between nest and duckling survival of mallards in south-central Saskatchewan. *Journal of Wildlife Management* 71:1612–1616. <https://doi.org/10.2193/2005-760>
8. Stafford, J.D., and **A.T. Pearse**. 2007. Survival of radio-marked mallard ducklings in South Dakota. *Wilson Journal of Ornithology* 119:585–591. <https://doi.org/10.1676/06-120.1>
9. Kross, J., R.M. Kaminski, K.J. Reinecke, E.J. Penny, and **A.T. Pearse**. 2008. Moist-soil seed abundance in managed wetlands in the Mississippi Alluvial Valley. *Journal of Wildlife Management* 72:707–714. <https://doi.org/10.2193/2007-100>
10. **Pearse, A.T.**, P.D. Gerard, S.J. Dinsmore, R.M. Kaminski, and K.J. Reinecke. 2008. Estimation and correction of visibility bias associated with aerial surveys of wintering ducks. *Journal of Wildlife Management* 72:808–813. <https://doi.org/10.2193/2007-274>
11. Kross, J., R.M. Kaminski, K.J. Reinecke, and **A.T. Pearse**. 2008. Conserving waste rice for wintering waterfowl in the Mississippi Alluvial Valley. *Journal of Wildlife Management* 72:1383–1387. <https://doi.org/10.2193/2007-226>
12. **Pearse, A.T.**, S.J. Dinsmore, R.M. Kaminski, and K.J. Reinecke. 2008. Evaluation of an aerial survey to estimate abundance of wintering ducks in western Mississippi. *Journal of Wildlife Management* 72:1413–1419. <https://doi.org/10.2193/2007-471> ***Mississippi Chapter of The Wildlife Society Outstanding Peer-reviewed Publication Award, 2008*
13. **Pearse, A.T.**, K.J. Reinecke, S.J. Dinsmore, and R.M. Kaminski. 2009. Using simulation to improve wildlife surveys: wintering mallards in Mississippi, USA. *Wildlife Research* 36:279–288. <https://doi.org/10.1071/WR08082>
14. **Pearse, A.T.**, G.L. Krapu, D.A. Brandt, and P.J. Kinzel. 2010. Changes in agriculture and abundance of snow geese affect carrying capacity of sandhill cranes in Nebraska. *Journal of Wildlife Management* 74:479–488. <https://doi.org/10.2193/2008-539>
15. Stafford, J.D., **A.T. Pearse**, C.S. Hine, A.P. Yetter, and M.M. Horath. 2010. Factors associated with hunter success for ducks on state-owned lands in Illinois, USA. *Wildlife Biology* 16:113–122. <https://doi.org/10.2981/09-071>
16. **Pearse, A.T.**, G.L. Krapu, R.R. Cox, Jr., and B.E. Davis. 2011. Spring-migration ecology of northern pintails in south-central Nebraska. *Waterbirds* 34:10–18. <https://doi.org/10.1675/063.034.0102>
17. **Pearse, A.T.**, R.T. Alisauskas, G.L. Krapu, and R.R. Cox, Jr. 2011. Changes in nutrient dynamics of midcontinent greater white-fronted geese during spring migration. *Journal of Wildlife Management* 75:1716–1723. <https://doi.org/10.1002/jwmg.223>
18. **Pearse, A.T.**, and S.M. Selbo. 2012. Model of whooping crane energetics as foundation for development of a method to assess potential take during migration, U.S. Geological Survey Open-File Report 2012-1156. <https://pubs.usgs.gov/of/2012/1156/>
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20. **Pearse, A.T.**, R.M. Kaminski, K.J. Reinecke, and S.J. Dinsmore. 2012. Local and landscape associations between wintering dabbling ducks and wetland complexes in Mississippi. *Wetlands*

- 32:859–869. <http://doi.org/10.1007/s13157-012-0317-5> ***Mississippi Chapter of The Wildlife Society Outstanding Peer-reviewed Publication Award, 2012.*
21. **Pearse, A.T.**, G.L. Krapu, and R.R. Cox, Jr. 2013. Comparative spring-staging ecology of sympatric arctic-nesting geese in south-central Nebraska. *American Midland Naturalist*. 169:371–381. <http://dx.doi.org/10.1674/0003-0031-169.2.371>
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 23. **Pearse, A.T.**, and J.D. Stafford. 2014. Error propagation in energetic carrying capacity models. *Journal of Conservation Planning* 10:17–24. http://www.journalconsplanning.org/2014/JCP_V10_2_Pearse.pdf
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 27. **Pearse, A.T.**, G.L. Krapu, D.A. Brandt, and G.A. Sargeant. 2015. Timing of spring surveys for midcontinent sandhill cranes. *Wildlife Society Bulletin* 39:87–93. <http://dx.doi.org/10.1002/wsb.496>
 28. Wiltermuth, M.T., M.J. Anteau, M.H. Sherfy, and **A.T. Pearse**. 2015. Habitat selection and movements of piping plover broods suggest a tradeoff between breeding stages. *Journal of Ornithology* 156:999–1013. <http://dx.doi.org/10.1007/s10336-015-1227-0>
 29. **Pearse, A.T.**, D.A. Brandt, W.C. Harrell, K.L. Metzger, D.M. Baasch, and T.J. Hefley. 2015. Whooping crane stopover site use intensity within the Great Plains, U.S. Geological Survey Open-File Report 2015–1166. <http://dx.doi.org/10.3133/ofr20151166>
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 32. **Pearse, A.T.**, M.J. Harner, D.M. Baasch, G.D. Wright, A.J. Caven, and K.L. Metzger. 2017. Evaluation of nocturnal roost and diurnal sites used by whooping cranes in the Great Plains, United States. U.S. Geological Survey Open-File Report 2016–1209. <https://doi.org/10.3133/ofr20161209>
 33. **Pearse, A.T.**, D.A. Brandt, and G.L. Krapu. 2017. Sandhill crane roost selection, human disturbance, and forage resources. *Journal of Wildlife Management*. 81:477–486. <http://dx.doi.org/10.1002/jwmg.21215>

34. **Pearse, A.T.** 2017. Book review—A Chorus of Cranes: The Cranes of North American and the World by Paul A. Johnsgard. *The Condor: Ornithological Applications* 119:167–169.
<http://doi.org/10.1650/CONDOR-16-159.1>
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37. **Pearse, A.T.,** D.A. Brandt, B.K. Hartup, and M.T. Bidwell. 2018. Mortality in Aransas-Wood Buffalo whooping cranes: timing, location, and causes. Pages 125–138 in J.B. French, Jr., S.J. Converse, and J.E. Austin, editors, *Whooping Cranes: Biology and Conservation*. Biodiversity of the World: Conservation from Genes to Landscapes. Academic Press, San Diego, CA. ISBN: 978-0-12-803555-9, <http://dx.doi.org/10.1016/B978-0-12-803555-9.00006-2>
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<https://doi.org/10.1371/journal.pone.0209612>
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43. Caven, A.J., E.M. Brinley Buckley, K.C. King, J.D. Wiese, D.M. Baasch, G.D. Wright, M.J. Harner, **A.T. Pearse,** M. Rabbe, D.M. Varner, B. Krohn, M. Arcilla, K.D. Schroeder, and K.F. Dinan. 2019. Temporospatial shifts in sandhill crane staging in the Central Platte River Valley in response to climatic variation and habitat change. *Monographs of the Western North American Naturalist* 79:33–76. <https://scholarsarchive.byu.edu/mwnan/vol11/iss1/4>
44. **Pearse, A.T.,** K.L. Metzger, D.A. Brandt, M.T. Bidwell, M.J. Harner, D.M. Baasch, and W. Harrell. 2020. Heterogeneity in migration strategies of whooping cranes. *The Condor: Ornithological Applications* 122:1-15. <https://doi.org/10.1093/condor/duz056>
45. Varner, D.M., **A.T. Pearse,** A.A. Bishop, J.I. Davis, J.C. Denton, R.C. Grosse, H.M. Johnson, E.J. Munter, K.D. Schroeder, R.E. Spangler, M.P. Vrtiska, and A.E. Wright. 2020. Roosting habitat use by sandhill cranes and waterfowl on the North and South Platte Rivers in Nebraska. *Journal of Fish and Wildlife Management* 11:56–67. <https://doi.org/10.3996/042019-JFWM-030>
46. **Pearse, A.T.,** G.A. Sargeant, G.L. Krapu, and D.A. Brandt. 2020. Population and harvest dynamics of midcontinent sandhill cranes. *Journal of Wildlife Management* 84:902-910.
<http://dx.doi.org/10.1002/jwmg.21865>

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<https://doi.org/10.1016/j.jnc.2020.125892>
48. **Pearse, A.T.**, K.L. Metzger, D.A. Brandt, J.A. Shaffer, M.T. Bidwell, and W. Harrell. 2021. Migrating whooping cranes avoid wind-energy infrastructure when selecting stopover habitat. *Ecological Applications*: e02324. <https://doi.org/10.1002/eap.2324>
49. **Pearse, A.T.**, M.H. Sherfy, M. Wimer, M. Khalil, M.T. Wiltermuth (editors). 2021. U.S. Geological Survey Migratory Bird Science Activities–2020-2021: U.S. Geological Survey Circular, 1480.
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50. Butler, M.J., D.R. Stewart, G.M. Harris, M.T. Bidwell, and **A.T. Pearse**. 2022. Space use and site fidelity of whooping cranes during winter on the Texas Gulf Coast. *Journal of Wildlife Management* 86:e22226. <https://doi.org.10.002/jwmg.22226>
51. **Pearse, A.T.**, M.J. Anteau, M. Post van der Burg, M.H. Sherfy, T. K. Buhl, and T.L. Shaffer. 2022. Reassessing the role of perennial cover as a driver of duck nest survival. *Journal of Wildlife Management* 86:e22227. <https://doi.org.10.002/jwmg.22227>
52. Shaffer, J.A., N.D. Niemuth, C.R. Loesch, C.E. Derby, **A.T. Pearse**, T.L. Shaffer, K.W. Barnes, and A.J. Ryba. 2022. Limited land base and competing land uses force societal tradeoffs when siting energy development. *Journal of Fish and Wildlife Management* 13:106–123.
<https://doi.org/10.3996/JFWM-21-036>
53. Ellis, K.S., **A.T. Pearse**, D.A. Brandt, M.T. Bidwell, W. Harrell, M.J. Butler, and M. Post van der Burg. 2022. Balancing siting of future energy infrastructure and associated habitat loss for migrating whooping cranes. *Frontiers in Ecology and Evolution* 10:931260.
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In Production

54. Caven, A.J., **A.T. Pearse**, D.A. Brandt, M.J. Harner, G.D. Wright, D.M. Baasch, E.M. Brinley Buckley, K.L. Metzger, A.E. Lacy, and M.R. Rabbe. Whooping crane stopover length in relation to stopover site characteristics. *Proceedings of the North American Crane Workshop*.
55. **Pearse, A.T.**, C.L. Amundson, and M. Vrtiska. Migration and winter events. *Migration and Wintering Waterfowl*. B. Ballard, J. Fleskes, and M. Brasher, editors. Texas A&M University Press.

Data Releases

1. **Pearse, A.T.**, D.A. Brandt, W.C. Harrell, K.L. Metzger, D.M. Baasch, and T.J. Hefley. 2015. Map of whooping crane stopover site use intensity within the Great Plains from satellite telemetered birds, 2010-2014: U.S. Geological Survey data release, <http://dx.doi.org/10.5066/F7862DHM>
2. **Pearse, A.T.**, D.A. Brandt, and G.L. Krapu. 2016. Wintering sandhill crane exposure to wind energy development in the central and southern Great Plains, USA datasets: U.S. Geological Survey data release, <http://dx.doi.org/10.5066/F7QV3JMK>
3. **Pearse, A.T.**, D.A. Brandt, and G.L. Krapu. 2016. Sandhill crane roosts use, channel characteristics, and environmental variables along the Platte River, Nebraska, 2003-2007: U.S. Geological Survey data release, <http://dx.doi.org/10.5066/F73J3B44>
4. **Pearse, A.T.**, D.A. Brandt, and G.L. Krapu. 2017. Sandhill crane phenology at the Platte River, Nebraska, 2001-2007: U.S. Geological Survey data release, <https://doi.org/10.5066/F78S4NVM>
5. **Pearse, A.T.**, D.A. Brandt, M. Rabbe, and M.T. Bidwell. 2017. Spatial data for estimating whooping crane migration corridor: U.S. Geological Survey data release, <https://doi.org/10.5066/F75B01NJ>

6. **Pearse, A.T.**, D.A. Brandt, and G.L. Krapu. 2017. Sandhill crane locations, autumn 2013 migration: U.S. Geological Survey data release, <https://doi.org/10.5066/F7F76BGR>
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8. **Pearse, A.T.**, D.A. Brandt, J.A. VonBank, and G.L. Krapu. 2019. Morphological measurements and subspecies of midcontinent sandhill cranes: U.S. Geological Survey data release, <https://doi.org/10.5066/P9A5IXCM>
9. **Pearse, A.T.**, K.L. Metzger, D.A. Brandt, M.T. Bidwell, M.J. Harner, D.M. Baasch, and W. Harrell. 2019. Characterization of whooping crane migrations and stopover sites used in the Central Flyway, 2010–2016: U.S. Geological Survey data release, <https://doi.org/10.5066/P9NRAY6F>
10. **Pearse, A.T.**, D. A. Brandt, and G. L. Krapu. 2020. Fecundity data for midcontinent sandhill cranes, 2003–2006: U.S. Geological Survey data release, <https://doi.org/10.5066/P9WMRBMV>
11. **Pearse, A.T.**, D.A. Brandt, D.M. Baasch, M.T. Bidwell, J.A. Conkin, M.J. Harner, W. Harrell, and K.L. Metzger. 2020. Location data for whooping cranes of the Aransas-Wood Buffalo Population, 2009–2018: U.S. Geological Survey data release, <https://doi.org/10.5066/P9Y8KZJ9>
12. **Pearse, A.T.**, D.A. Brandt, K.L. Metzger, M.T. Bidwell, and W. Harrell 2020. Whooping crane migration habitat selection data and distance to wind-energy infrastructure, 2010–2016: U.S. Geological Survey data release, <https://doi.org/10.5066/P9SVV311>
13. **Pearse, A.T.**, K.S. Ellis, D.A. Brandt, M.T. Bidwell, and W. Harrell. 2022. Whooping crane migration habitat selection disturbance data and maps. U.S. Geological Survey data release. <https://doi.org/10.5066/P902I4WO>

Outreach Articles

1. **Pearse, A.T.**, R.M. Kaminski, S.J. Dinsmore, and K.J. Reinecke. 2004. Delta duck details: What you need to know. Mississippi Department of Wildlife Fisheries and Parks, Wildlife Issues 4(1):7.
2. **Pearse, A.T.**, S.J. Dinsmore, R.M. Kaminski, and K.J. Reinecke. 2004. Studying abundance and distribution of ducks in the Mississippi Delta. Delta Wildlife Magazine 12(1):19-20.
3. **Pearse, A.T.** 2004. Effects of predator removal on duck production. Wildlife Trends 4(4): 20-25.
4. **Pearse, A.T.**, R.M. Kaminski, S.J. Dinsmore, and K.J. Reinecke. 2005. Waterfowl abundance and distribution in the Mississippi Delta. Delta Wildlife Magazine 13(2):14-16.
5. Kaminski, R.M., **A.T. Pearse**, J.D. Stafford, and K.J. Reinecke. 2005. Where have all the Mallards gone? Delta Wildlife Magazine 13(2):23–26.
6. Kaminski, R.M., and **A.T. Pearse**. 2007. Habitat ingredients for wintering ducks. Mississippi Department of Wildlife Fisheries and Parks, Wildlife Issues 7(2):15.
7. Kaminski, R.M., and **A.T. Pearse**. 2008. Habitat ingredients for wintering ducks. Delta Wildlife Magazine 16(1):6–7.
8. Strickland, B., R.M. Kaminski, **A.T. Pearse**, and W.D. Jones. 2008. Catfish-duck ponds for the Mississippi Delta. Mississippi State Cooperative Extension Service Publication. 2482.
9. **Pearse, A.T.**, and B. Strobel. 2011. Remote tracking of Aransas-Wood Buffalo Whooping Cranes. Unison Call (Newsletter of the North American Crane Working Group). Vol 22, no 2.

PROFESSIONAL PRESENTATIONS – Noteworthy and Recent (2011–2022)

1. **Pearse, A.T.**, G.L. Krapu, and D.A. Brandt. 2009. Relationships between migrating sandhill cranes and agriculture in the central Platte River Valley. Special symposium “Connections among wetlands, wildlife, and agriculture.” Annual meeting of the Society of Wetland Scientists, Madison, WI. (Invited)
2. **Pearse, A.T.**, R.T. Alisauskas, G.L. Krapu, and R.R. Cox, Jr. 2011. Energetics of greater white-fronted geese during spring migration. Special Symposium “Ecology of waterbird migration” at the 34th annual meeting of the Waterbird Society, Grand Island, NE. (Invited)
3. **Pearse, A.T.**, G.L. Krapu, D.A. Brandt, F. Chavez-Ramirez, and W. Wehtje. 2011. Migration ecology of the Aransas-Wood Buffalo Population of whooping cranes. 12th North American Crane Workshop, Grand Island, NE.
4. Wehtje, W., F. Chavez-Ramirez, D.A. Brandt, G.L. Krapu, and **A.T. Pearse**. 2011. Using satellite telemetry to gain new insights into whooping crane stopover locations and migratory behavior. Joint meetings of the Association of Field Ornithologists, Cooper Ornithological Society, and Wilson Ornithological Society, Kearney, NE.
5. **Pearse, A.T.**, R. Swanson, M.H. Sherfy, and G.L. Krapu. 2011. U.S. Geological Survey Priority Ecosystem Science at the Platte River: accomplishments and future directions. Climate, Water and Ecosystems—Shaping the Great Plains Symposium, Lincoln, NE.
6. **Pearse, A.T.**, D.A. Brandt, G.L. Krapu, and M. Post van der Burg. 2012. Evaluating transmitter effects on sandhill cranes: implications for whooping crane research. North American Ornithological Conference, Vancouver, BC.
7. Wiltermuth, M.T., M.J. Anteau, **A.T. Pearse**, and M.H. Sherfy. 2012. Habitat selection and movements of piping plover broods on Lake Sakakawea, ND. Central and Mountains Section of The Wildlife Society meeting, Bismarck, ND.
8. **Pearse, A.T.** 2013. Advancing knowledge of whooping crane migration across the Great Plains. 18th Annual Information Seminar, Rainwater Basin Joint Venture, Hastings, NE. (Invited)
9. **Pearse, A.T.**, S. Bearhop, and J. Belant. 2013. Advancing knowledge for conservation of waterfowl habitats. Plenary Presentation. 6th North American Duck Symposium and Ecology and Management of North American Waterfowl Conference, Memphis, TN. (Invited Plenary Presentation)
10. Stafford, J., A. Janke, **A.T. Pearse**, M. Anteau, M. Eichholz, A. Fox, J. Straub, J. Elmberg, and C. Arzel. 2013. Waterfowl habitat use and selection – Spring migration and pre-breeding. Plenary Presentation. 6th North American Duck Symposium and Ecology and Management of North American Waterfowl Conference, Memphis, TN. (Invited Plenary Presentation)
11. Brandt, D.A., G.L. Krapu, and **A.T. Pearse**. 2013. Distribution of northern-nesting geese relative to sandhill cranes in the central Platte River Valley, Nebraska. 6th North American Duck Symposium and Ecology and Management of North American Waterfowl Conference, Memphis, TN.
12. Casady, D.J., J. Drahota, **A.T. Pearse**, L.M. Reichart, and M. Vrtiska. 2013. Wintering body condition of spring migratory northern pintails in the Rainwater Basin. 6th North American Duck Symposium and Ecology and Management of North American Waterfowl Conference, Memphis, TN.
13. Hagy, H.M., J.D. Stafford, M.L. Schummer, **A.T. Pearse**, and R.M. Kaminski. 2013. Practical application of and potential bias associated with foraging thresholds in estimates of carrying capacity for waterfowl. 6th North American Duck Symposium and Ecology and Management of North American Waterfowl Conference, Memphis, TN.

14. **Pearse, A.T.**, D. Brandt, M. Harner, K. Metzger, W. Harrell, M. Bidwell, and D. Baasch. 2014. Migration ecology of Aransas-Wood Buffalo whooping cranes. 13th North American Crane Workshop, Lafayette, LA.
15. Brandt, D., **A.T. Pearse**, B. Hartup, M. Bidwell, F. Chavez-Ramirez, and B. Strobel. 2014. Capture and deploying GPS PTTs on Aransas-Wood Buffalo whooping cranes: lessons learned with new techniques and technologies. 13th North American Crane Workshop, Lafayette, LA.
16. Metzger, K., M. Harner, G. Wright, W. Harrell, **A.T. Pearse**, M. Bidwell, and D. Baasch. 2014. Space use of wintering whooping cranes. 13th North American Crane Workshop, Lafayette, LA.
17. Harner, M. G. Wright, **A.T. Pearse**, D. Baasch, K. Metzger, M. Bidwell, and W. Harrell. 2014. Characterization of stopover sites used by whooping cranes as determined from telemetry-marked birds. 13th North American Crane Workshop, Lafayette, LA.
18. Bidwell, M., D. Baasch, D. Brandt, J. Conkin, **A.T. Pearse**, M. Harner, and K. Metzger. 2014. Habitat use by Aransas-Wood Buffalo whooping cranes in the oil sands mining region. 13th North American Crane Workshop, Lafayette, LA.
19. Baasch, D., **A.T. Pearse**, M. Harner, W. Harrell, and M. Bidwell. 2014. Behavioral movements of Aransas-Wood Buffalo whooping cranes: anomalies or indications of ways to further enhance species' recovery. 13th North American Crane Workshop, Lafayette, LA.
20. Harrell, W., M. Bidwell, **A.T. Pearse**, D. Brandt, M. Harner, K. Metzger, and D. Baasch. 2014. Meshing new information from the Whooping Crane Tracking Partnership with species recovery goals—next steps. 13th North American Crane Workshop, Lafayette, LA.
21. **Pearse, A.T.**, D. Brandt, G. Wright, K. Metzger, W. Harrell, M. Bidwell, and D. Baasch. 2015. Migration of Aransas-Wood Buffalo whooping cranes in North Dakota. North Dakota Chapter of The Wildlife Society meeting, Mandan, ND
22. Niemuth, N.D., A. J. Ryba, J. E. Austin, D.A. Brandt, M.A. Carlisle, S. Kvas, **A.T. Pearse**, and B. Wangler. 2015. Identifying threats and guiding conservation planning for migrant whooping cranes in North Dakota. North Dakota Chapter of The Wildlife Society meeting, Mandan, ND.
23. **Pearse, A.T.**, D. Varner, R. Spangler, J. Denton, J. Davis, K. Schroeder, M. P. Vrtiska, E. Munter, and H. Johnson. 2016. Distribution of spring migrating waterfowl along the North and South Platte Rivers in western Nebraska. 7th North American Duck Symposium. Annapolis, MD.
24. **Pearse, A.T.**, D. A. Brandt, B. Hartup, and M. Bidwell. 2016. Timing, location, and causes of mortality in migratory whooping cranes. North American Ornithological Conference. Washington, DC.
25. **Pearse, A.T.**, D. A. Brandt, B. Hartup, and M. Bidwell. 2017. Seasonal mortality in Aransas-Wood Buffalo whooping cranes. North American Crane Workshop, Chattanooga, TN.
26. Krapu, G.L., D.A. Brandt, **A.T. Pearse**, and B.M. Ballard. 2017. A major new spring staging area for the midcontinent population of sandhill cranes in South Dakota: probable causes, characteristics, and conservation plans. North American Crane Workshop, Chattanooga, TN.
27. Brandt, D.A., P.J. Pietz, D.A. Buhl, W.E. Newton, G.L. Krapu, and **A.T. Pearse**. 2017. Nocturnal roosting behavior of sandhill cranes on the Platte River, Nebraska. North American Crane Workshop, Chattanooga, TN.
28. Wells, E.D., B.M. Ballard, S.L. Oldenberger, D.P. Collins, D.A. Brandt, **A.T. Pearse**, and H.L. Perotto-Baldivieso. 2017. Wintering sandhill crane habitat selection along Texas Gulf Coast. North American Crane Workshop, Chattanooga, TN.

29. Fairhurst, G.D., M.T. Bidwell, B.K. Hartup, S. Cabezas, J.A. Conkin, T.A. Marchant, K.L. Metzger, **A.T. Pearse**, and C. Soos. 2017. Does health on natal grounds drive migratory behaviours of juvenile whooping cranes? North American Crane Workshop, Chattanooga, TN.
30. Wells, E.D., B.M. Ballard, S.L. Oldenburger, D.P. Collins, D.A. Brandt, **A.T. Pearse**, and H.L. Perotto-Baldivieso. 2017. Selection of roosting habitat by wintering sandhill cranes along the Texas Gulf Coast. American Ornithological Society, East Lansing, MI.
31. Masto, N.M., M.R. Kneece, R.M. Kaminski, B.E. Ross, **A.T. Pearse**, P. Gerard, and K. Barrett. 2017. Aerial strip-transect surveys of waterfowl and waterbirds in South Carolina: summary and revisions of 2016-2017 surveys. Southeastern Fish and Wildlife Conference, Louisville, KY.
32. Fino, S.R., J.D. Stafford, **A.T. Pearse**, and J.A. Jenks. 2018. Relating predator community dynamics and duck nest survival in eastern South Dakota. Midwest Fish and Wildlife Conference, Milwaukee, WI.
33. Wells, E.D., B.M. Ballard, S.L. Oldenburger, D.P. Collins, D.A. Brandt, **A.T. Pearse**, H.L. Perotto-Baldivieso, and D. Wolfson. 2018. Autumn and wintering movement ecology of Gulf Coast subpopulation sandhill cranes. Texas Chapter of The Wildlife Society, Dallas, TX.
34. Fino, S.R., J.D. Stafford, **A.T. Pearse**, J.A. Jenks, and R.C. Lonsinger. 2018. Relating predator community dynamics and duck nest survival in eastern South Dakota. South Dakota Chapter of The Wildlife Society, Oacoma, SD.
35. Varner, D.M., **A.T. Pearse**, A.A. Bishop, J.I. Davis, J.C. Denton, R.C. Grosse, H.M. Johnson, E.J. Munter, K.D. Schroeder, R.E. Spangler, M.P. Vrtiska, and A.E. Wright. 2018. Habitat use of sandhill cranes and waterfowl on the North and South Platte Rivers in Nebraska. North American Arctic Goose Conference and Workshop, Lincoln, NE.
36. **Pearse, A.T.**, D.A. Brandt, M.T. Bidwell, K.L. Metzger, M.J. Harner, D.M. Baasch, and W. Harrell. 2018. Migration strategies in Central Flyway whooping cranes. 12th Platte River Basin Ecosystem Symposium, Wood River, NE.
37. Converse, S.J., C.S. Teitelbaum, P. Mendgen, **A.T. Pearse**, B. Abrahms, and T. Mueller. 2018. Culture shapes movements of a reintroduced migratory bird. Reintroducing Migratory Birds Symposium, associated with the International Wildlife Reintroduction Conference, Chicago, IL. (Invited)
38. Toy, D. L., E.S. DeKeyser, M.J. Anteau, **A.T. Pearse**, J.E. Norland, D.C. Roberts. 2019. Towards an understanding of farming wetlands: considering economics, social, and ecological issues. North Dakota Chapter of The Wildlife Society, Bismarck, ND.
39. Bidwell, M.T., J.A. Conkin, R. Wiacek, J. Ball, **A.T. Pearse**, D.A. Brandt, W. Harrell, K. Metzger, and R. Kindopp. 2019. Movement patterns and habitat use of endangered whooping cranes during migration through Canada's oil sands mining region. American Ornithological Society, Anchorage, AK.
40. Bidwell, M.T., D.A. Brandt, J.A. Conkin, W. Harrell, R. Kindopp, K. Metzger, and **A.T. Pearse**. 2019. Movement patterns and behaviour of whooping cranes throughout the annual cycle: insights from satellite tracking. Society of Canadian Ornithologists, Quebec City, QB.
41. **Pearse, A.T.**, and M. French. 2019. Two decades of nest survival in the Nebraska Sandhills: the 'southern' or future Prairie Pothole Region? 8th North American Duck Symposium. Winnipeg, MB.
42. Brandt, D.A., G.L. Krapu, and **A.T. Pearse**. 2019. Comparison of brood composition and characteristics between the Coteau and Glaciated Plains of the Dakotas. 8th North American Duck Symposium. Winnipeg, MB.

43. Varner, D., **A.T. Pearse**, and A. Bishop. 2019. Development of a long-term monitoring program for waterfowl in the Rainwater Basin Region. 8th North American Duck Symposium. Winnipeg, MB.
44. Toy, D.L., M.J. Anteau, **A.T. Pearse**, and E. DeKeyser. 2019. Dabbling duck use of agriculturally manipulated and unmanipulated wetlands in the Drift Prairie of North Dakota. 8th North American Duck Symposium. Winnipeg, MB.
45. Anchor, C.A., J.D. Stafford, and **A.T. Pearse**. 2019. Evaluating post-fledging movements of hatch year mallards in the Dakotas. 8th North American Duck Symposium. Winnipeg, MB.
46. Fino, S.R., J.D. Stafford, **A.T. Pearse**, J.A. Jenks, and R.C. Lonsinger. 2019. Relating predator community composition and duck nest survival in eastern South Dakota. North American Duck Symposium. Winnipeg, MB.
47. **Pearse, A.T.**, D.A. Brandt, K.L. Metzger, W. Harrell, M.T. Bidwell, and D.M. Baasch. 2020. Presence of wind towers displace migrating whooping cranes. North American Crane Workshop. Lubbock, TX.
48. Caven, A.J., **A.T. Pearse**, D.M. Baasch, D.A. Brandt, M.J. Harner, G.D. Wright, J.M. Malzahn, E.M. Brinley Buckley, A.E. Lacy, and K.L. Metzger. 2020. Whooping crane stay length in relation to stopover site characteristics. North American Crane Workshop. Lubbock, TX.
49. Brautigam, K.J., W.P. Johnson, D.P. Collins, J.R. Smith, W.C. Conway, O.N. Fitzsimmons, G.L. Krapu, D.A. Brandt, **A.T. Pearse**, and B.A. Grisham. 2020. A 20-year look at areas of importance used by overwintering mid-continent population of sandhill cranes. Texas Chapter of the Wildlife Society. Corpus Christi, TX.
50. Anchor, C.E., **A.T. Pearse**, M.L. Szymanski, R.M. Murano, and J.D. Stafford. 2020. Habitat selection by post-fledging mallards in the southern Prairie Pothole Region. North Dakota Wildlife Society. Bismarck, ND.
51. Anchor, C.E., **A.T. Pearse**, R.J. Murano, M.L. Szymanski, and J.D. Stafford. 2020. Habitat Use by hatch-year mallards in North and South Dakota. South Dakota Chapter of The Wildlife Society Annual Meeting, Chamberlain, SD.
52. Toy, D.L., M.J. Anteau, **A.T. Pearse**, and E. DeKeyser. 2020. Dabbling duck use of agriculturally manipulated and unmanipulated wetlands in the Drift Prairie of North Dakota and South Dakota. North Dakota Chapter of the Wildlife Society. Bismarck, ND.
53. Toy, D.L., M.J. Anteau, **A.T. Pearse**, and E. DeKeyser. 2021. Is farming within prairie pothole wetlands profitable? North Dakota Chapter of the Wildlife Society.
54. Ellis, K.S., **A.T. Pearse**, D.A. Brandt, M.T. Bidwell, W. Harrell, and M. Post van der Burg. 2021. Balancing siting of future wind-energy infrastructure and associated habitat loss for migrating whooping cranes. The Wildlife Society.

GRADUATE STUDENT ADVISING AND COMMITTEES

Adjunct Research Professor at South Dakota State University (2017–present)

Co-major advisor:

Samantha Fino, Ph.D. candidate, South Dakota State University, 2017–present; Co-advised with Dr. Joshua Stafford; Project title: Predator cascade and nest success: changes in foraging patterns as a function of grassland patch dynamics and vegetation composition. Expected completion: December 2022.

Cynthia Anchor, M.S. student, South Dakota State University, 2018–present, Co-advised with Dr. Joshua Stafford; Project title: Post-fledging movement and habitat selection by mallards in the fall and their effect on spring recruitment. Expected completion: December 2022.

Graduate student committee:

Dustin Casady, M.S. student, University of Nebraska–Kearney, 2011–2013, Thesis advisor: Dr. Letitia Reichart; Thesis title: Combining lipid dynamics, body condition, and winter origin of spring migratory northern pintails in the Rainwater Basin to evaluate habitat use. Graduated 2013.

Dustin Toy, Ph.D. student, North Dakota State University, 2017–2022; Thesis advisor: Dr. Edward DeKeyser; Project title: Understanding consequences of management strategies for farmed wetlands to ecosystem services in the Prairie Pothole Region, Graduated 2022.

TECHNICAL TRAINING

Introduction to Structured Decision Making – CSP3171, National Conservation Training Center, 2009.

U.S. Geological Survey Supervisory Challenge, 2015.

First Aid, CPR, and AED – American Heart Association, 2016–2018.

HONORS AND AWARDS

2005 David H. Nabi Memorial Award, Mississippi State University (A peer-nominated award given by the Department of Wildlife and Fisheries, to a graduate student that has given her/his time to assist students, faculty, and staff.)

2005–2006 Ernest A. Gluesing Memorial Award for outstanding Doctoral Student, Department of Wildlife and Fisheries, Mississippi State University

2006–2007 Ernest A. Gluesing Memorial Award for outstanding Doctoral Student, Department of Wildlife and Fisheries, Mississippi State University

2007 Graduate Student Research Award, College of Forest Resources, Mississippi State University

MEMBERSHIPS

The Wildlife Society

North Dakota Chapter of TWS

American Ornithological Society

North American Crane Working Group