

# Christopher J. Chizinski, Ph.D.

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## Education

- 2002-2007      Texas Tech University, Lubbock, TX 79411  
Ph.D. Fisheries Science (August 2007)  
Major advisors: Dr. Gene Wilde and Dr. Kevin Pope  
Dissertation: Variation in life history traits and morphology in stunted and non-stunted fish
- 2000-2002      Texas Tech University, Lubbock, TX 79411  
M.S. Fisheries Science (May 2002)  
Major advisor: Dr. Kevin Pope  
Thesis: Economic valuation of site characteristics on recreation at Lake Kemp, Texas.
- 1995-1999      University of Connecticut, Storrs, CT 06269  
B.S. (Double Major) Ecology and Evolutionary Biology and Environmental Science

## Professional Appointments

- 2015 – Current      Assistant Professor of Human Dimensions of Wildlife Management, School of Natural Resources, University of Nebraska-Lincoln
- 2013 – 2015      Research Assistant Professor, Nebraska Cooperative Fish and Wildlife Research Unit and School of Natural Resources, University of Nebraska-Lincoln
- 2010 – 2012      Post Doctoral Research Associate, Nebraska Cooperative Fish and Wildlife Research Unit and School of Natural Resources, University of Nebraska-Lincoln
- 2009 – 2010      Post Doctoral Research Associate, Department of Fisheries, Wildlife, and Conservation Biology, University of Minnesota

- 2007 – 2009 Post Doctoral Research Associate, Minnesota Cooperative Fish and Wildlife Research Unit and Department of Fisheries, Wildlife, and Conservation Biology, University of Minnesota
- 2005 – 2007 Graduate Teaching Assistant, Department of Range, Wildlife, and Fisheries Management, Texas Tech University
- 2002 – 2005 Graduate Research Assistant, Department of Range, Wildlife, and Fisheries Management, Texas Tech University
- 2002 – 2002 Research Associate, Department of Agricultural and Applied Economics, Texas Tech University
- 2000 – 2002 Graduate Research Assistant, Department of Range, Wildlife, and Fisheries Management, Texas Tech University
- 1999 – 2000 Seasonal Resource Assistant, CT DEEP Marine Fisheries, Connecticut, Department of Energy and Environmental Protection
- 1999 – 1999 Research Assistant, Department of Ecology and Evolutionary Biology, University of Connecticut

## Grants and Contracts

- C. J. Chizinski, K.L. Pope, and J.J. Fontaine. 2016. Comprehensive evaluation of Nebraska hunters and anglers; \$288,371 [CC 60%], KP 20%. JF 20%]
- K. L. Pope, M. A. Kaemingk, C. J. Chizinski. 2016. Assessment of angler use and catch during 2016 at Sutherland Reservoir, Nebraska; \$50, 274 [KP 40%, MK 30%, CC 30%]
- C. J. Chizinski. 2015. Recruiting new waterfowl hunters: an assessment and comparison of opinions, preferences and potential barriers of avid, non-, sporadic and disassociated participants to waterfowl hunting; \$233,628 [CC 100%]
- K. L. Pope and C. J. Chizinski. 2014. Angler behavior in response to management actions on Nebraska reservoirs; \$2,165,236 [KP 60%, CC 40%]
- K. L. Pope and C. J. Chizinski. 2012. Population assessments of temperate basses in Nebraska reservoirs; \$212,683 [KP 60%, CC 40%]
- C. J. Chizinski. 2011. Statistical analysis for the Buena Vista Wind Energy Project. Insignia Environmental; \$10,000 [CC 100%]

## **Honors and Awards**

2015: Best paper award (Stewart et al.), Nebraska Chapter of the American Fisheries Society

2012: University of Nebraska–Lincoln Outstanding Postdoc Award.

2011: Fisheries Management and Ecology Editor’s Choice for 2010.

2010: Best professional paper award (Bajer et al.), Joint meeting of the Minnesota Chapter of the American Fisheries Society

2007: Outstanding Fisheries Worker, Texas Chapter of the American Fisheries Society

2006: Best Poster Graduate Student Poster Competition, Texas Tech University

## **Postdoc and Student Mentoring**

### **Served as postdoctoral mentor**

Nathaniel Price. 2016 – current. Comprehensive evaluation of the Nebraska sports person.

### **Served as major advisor**

Hinrichs, M. In progress (expected completion 2019). TBD. M.S. thesis. University of Nebraska—Lincoln

Grams, A. In progress (expected completion 2018). The role of identity in hunting participation. M.S. thesis. University of Nebraska—Lincoln

Fedele, A. D. In progress (expected completion 2016). Personality and learning in sportfish. M.S. thesis. University of Nebraska—Lincoln

Stewart, N. T. 2015. White perch distribution and population characteristics in two flood control reservoirs, one with gizzard shad and one without. M.S. thesis. University of Nebraska—Lincoln. Co-advised with Dr. Kevin Pope.

### **Served as a committee member**

Dueker, B. In progress (expected completion 2019). TBD. M.S. thesis. University of Nebraska—Lincoln.

Wazola, L. In progress (expected completion 2017). Hen pheasant habitat decisions in response to recreational hunting. M.S. thesis. University of Nebraska—Lincoln.

Harmon, B. In progress (expected completion 2017). Spatial distribution of angler use and catch in a reservoir. M.S. thesis. University of Nebraska—Lincoln.

- Lipinski, A. In progress (expected completion 2018). Influence of climate change on distribution of grouse at the edge of their range. Ph.D. dissertation. University of Nebraska—Lincoln.
- Cole, N. In progress (expected completion 2018). A size-based economic value of recreational sport fish. Ph.D. dissertation. University of Nebraska—Lincoln.
- Bieber, N. 2017. Otter distribution in Nebraska. M.S. thesis. University of Nebraska—Lincoln.
- Messinger, L. 2015. Habitat and site selection of pheasants and their hunters during the hunting season. M.S. thesis. University of Nebraska—Lincoln.
- Webber, C. 2014. Combating eutrophication: an ecosystem scale analysis of Aluminum Sulfate (Alum) effectiveness among lakes, with comparison to alum and biomanipulation dual treatment. M.S. thesis. University of Nebraska—Lincoln.
- Kowalewski, L. 2014. Influence of sampling design on accuracy and precision of population estimates derived from point-count method. M.S. thesis. University of Nebraska—Lincoln.
- Kill, R. 2013. A population model for walleye in Nebraska irrigation reservoirs. M.S. thesis. University of Nebraska—Lincoln.

#### **Undergraduate Student Mentee:**

Madeleine Schwinghammer, 2016-current, Thesis reader  
 Eric Bruster, 2016-current  
 Felix Martinez, Jr., 2001 - 2003  
 Caleb G. Huber, 2002 - 2004  
 Maricruz Longoria, 2005 - 2007  
 Coy Sanchez, 2006 - 2007

#### **Student Honors and Awards:**

- A. D. Fedele. 2016. Best Student Poster, Joint Annual Meeting of the Kansas and Nebraska Chapters of the American Fisheries Society, Manhattan, Kansas.
- A. D. Fedele. 2015. People's Choice Award, School of Natural Resources Grad Student Association Poster competition.
- N. T. Stewart. 2015. Best paper, Nebraska Chapter of the American Fisheries Society.
- C. G. Huber. 2006. Best student poster, 12th Annual Meeting, Southern Division American Fisheries Society.

## Professional Publications

### Peer-Reviewed Publications: Journal Articles

\*Undergraduate students, \*\* Graduate students

1. Pope, K. L., C. J. Chizinski, C. L. Wiley\*\*, D. R. Martin\*\*. 2016. Influence of anglers' specializations on catch, harvest, and bycatch of targeted taxa. *Fisheries Research*, 183:128-137.
2. Chizinski, C. J., P. G. Bajer, M. E. Headrick, P. W. Sorensen. 2016. Different migratory strategies of invasive Common Carp and native Northern Pike in the American Midwest suggest an opportunity for selective management strategies. *North American Journal of Fisheries Management*, 36:769-779.
3. Hamel, M. J., J. J. Spurgeon\*\*, C. J. Chizinski, K. D. Steffensen, M. A. Pegg. 2016. Variability in age estimation results in ambiguity and false understanding of population persistence. *North American Journal of Fisheries Management*, 36:514-522.
4. Huser, B. J., P. G., Bajer, C. J. Chizinski, and P. W. Sorensen. 2016. Effects of common carp (*Cyprinus carpio*) on sediment mixing depth and mobile phosphorus mass in the active sediment layer of a shallow lake. *Hydrobiologia*, 763:23-33.
5. Kowalewski, L. K. \*\*, C. J. Chizinski, L. A. Powell, K. L. Pope, M. A. Pegg. 2015. Accuracy or precision: Implications of sample design and methodology on abundance estimation. *Ecological Modelling* 316:185–190.
6. DeBoer, J. A. \*\*, K. L. Pope, J. J. Fontaine, C. J. Chizinski. 2015. Masked expression of life-history traits in a highly variable environment. *Great Plains Research*, 25:25-38.
7. Bajer, P. G., T. K. Cross, C. J. Chizinski, M. J. Weber, and P. W. Sorensen. 2015. Lake productivity and predation modulating the recruitment of a highly invasive fish. *Diversity and Distributions*, 21:500-510.
8. Martin, D. R. \*\*, C. J. Chizinski, and K. L. Pope. 2015. Reservoir area of influence and implications for fisheries management. *North American Journal of Fisheries Management*, 35:185-190.
9. Chizinski, C. J., D. R. Martin \*\*, and K. L. Pope. 2014. Self-confidence of anglers in identification of freshwater sport fish. *Fisheries Management and Ecology*, 21:448-453
10. Chizinski, C. J., D. R. Martin \*\*, C. G. Huber, and K. L. Pope. 2014. The influence of a rapid drawdown and prolonged dewatering on angling effort, catch and harvest in a Nebraska reservoir. *Great Plains Research*, 24:145-152.

11. Martin, D. R. \*\*, C. J. Chizinski, K. M. Eskridge, and K. L. Pope. 2014. Using posts to an online social network to assess fishing effort. *Fisheries Research*, 157:24–27
12. Chizinski, C. J., D. R. Martin \*\*, K. Hurley, and K. L. Pope. 2014. Anglers' self-imposed length limits. *Fisheries Research*, 155:83–89.
13. Chizinski, C. J., D. R. Martin \*\*, K. L. Pope, T. J. Barada, and J. J. Schuckman. 2014. Angler effort and catch within a spatially complex system of small lakes. *Fisheries Research*, 154:172–178.
14. Loomis, J., H.L. Schramm, B. Vondracek, and C. J. Chizinski. 2013. Effects of simulated angler capture and live-release tournaments on walleye survival. *Transactions of the American Fisheries Society*, 142:868-875.
15. Bajer, P. B., C. J. Chizinski, J. Silbernagel \*\*, and P. W. Sorensen. 2012. Variation in micro-predator abundance explains recruitment of a mobile invasive fish, the common carp, in a naturally unstable environment. *Biological Invasions*, 14:1919-1929.
16. Bajer, P. G., C. J. Chizinski, and P. W. Sorensen. 2011. Use of radio-tagged 'Judas' fish to track and remove winter aggregations of common carp in Midwestern lakes. *Fisheries Management and Ecology*, 18:497-505.
17. Huff, D. D. \*\*, L. M. Miller, C. J. Chizinski, and B. Vondracek. 2011. Mixed-source reintroductions lead to outbreeding depression in the second generation descendants of a native North American fish. *Molecular Ecology*, 20:4246–4258.
18. Chizinski, C. J., A. Peterson \*\*, J. Hanowski, C. R. Blinn, G. Niemi, and B. Vondracek. 2011. Breeding bird response to partially harvested riparian management zones. *Forest Ecology and Management*, 261: 1892-1900.
19. Dolph, C. \*\*, D. D. Huff \*\*, C. J. Chizinski, and B. Vondracek. 2011. Implications of community concordance for assessing stream health at three nested spatial scales in Minnesota, USA. *Freshwater Biology*, 56:1652-1669.
20. Chizinski, C. J., B. Vondracek, C. R. Blinn, R. M. Newman, D. Atuke \*\*, K. Fredricks, N. Hemstad, E. Merten \*\*, and N. Schlessler. 2010. The influence of partial harvest in riparian management zones on macroinvertebrate and fish assemblages on first- and second-order streams in northern Minnesota. *Forest Ecology and Management*, 259:1946-1958.
21. Wan, H. \*\*, C. J. Chizinski, C. L. Dolph \*\*, B. Vondracek, and B. N. Wilson. 2010. The impact of rare taxa on a fish index of biotic integrity. *Ecological Indicators*, 10:781-788.
22. Chizinski, C. J., K. L. Pope, G. R. Wilde, and R. E. Strauss. 2010. Implications of stunting on morphology of freshwater fish. *Journal of Fish Biology*, 76:564-579.

23. Chizinski, C. J., K. L. Pope, and G. R. Wilde. 2010. A modelling approach to evaluate potential management actions designed to increase growth of stunted white perch. *Fisheries Management and Ecology*, 17:262-271.
24. Dolph, C. L. \*\*, A. Y. Sheshukov, C. J. Chizinski, B. Vondracek, and B. Wilson. 2010. The Index of Biological Integrity and the bootstrap: Can random sampling error affect stream impairment decisions? *Ecological Indicators*, 10:527-537.
25. Chizinski, C. J., B. Sharma \*\*, S. Mukhi \*\*, K. L. Pope, and R. Patiño. 2008. Bioenergetics model for the zebrafish *Danio rerio* (Hamilton). *Journal of Fish Biology*, 73:35-43.
26. Chizinski, C. J., C. G. Huber \*, and K. L. Pope. 2008. Bioenergetics model for the inland silverside. *Transactions of the American Fisheries Society*, 137:254-261.
27. Chizinski, C. J., M. Longoria \*, C. G. Huber \*, and K. L. Pope. 2007. Resource partitioning by an opportunistic strategist. *Journal of Applied Ichthyology*, 23:147-151.
28. Chizinski, C. J., C. L. Higgins \*\*, and K. L. Pope. 2006. Multiple hypothesis testing of fish incidence patterns in an urban ecosystem. *Aquatic Ecology*, 40:97-109.
29. Pope, K. L., C. L. Harthorn, S. R. Denny, C. J. Chizinski, and K. Cunningham \*\*. 2005. Food habits of co-occurring populations of largemouth bass and spotted bass in two New Mexico reservoirs. *Journal of Freshwater Ecology*, 20:37-46.
30. Chizinski, C. J., K. L. Pope, D. B. Willis, G. R. Wilde, and E. J. Rossman. 2005. Economic value of fishing at a low-use reservoir. *North American Journal of Fisheries Management*. 25:98-104.
31. Chizinski, C. J. and K. L. Pope. 2003. Importance of food ration and water temperature on growth of juvenile green sunfish (*Lepomis cyanellus*). *Texas Journal of Science*, 55:263-270.

### **Reports and Outreach Documents:**

1. Chizinski, C. J. and M. Gruntorad. 2016. Survey of Nebraska's Elk hunters. School of Natural Resources, University of Nebraska, Lincoln, Nebraska.
2. Chizinski, C. J. and M. Gruntorad. 2016. The 2016 - 2017 waterfowl season preference survey. School of Natural Resources, University of Nebraska, Lincoln, Nebraska.
3. Chizinski, C. J. and M. Gruntorad. 2015. Survey of Nebraska deer hunters. School of Natural Resources, University of Nebraska, Lincoln, Nebraska.

4. Chizinski, C. J. 2015. Angler behavior in response to management actions on Nebraska reservoirs: 1 January 2014 through 31 December 2014. Nebraska Cooperative Fish and Wildlife Research Unit, and School of Natural Resources, University of Nebraska, Lincoln, Nebraska.
5. Chizinski, C. J., and D. R. Martin. 2014. Angler behavior in response to management actions on Nebraska reservoirs: 1 January 2013 through 31 December 2013. Nebraska Cooperative Fish and Wildlife Research Unit, and School of Natural Resources, University of Nebraska, Lincoln, Nebraska.
6. Pracheil, B. M., C. J. Chizinski, J. S. Perkin, and M. A. Pegg. 2014. Implications for connectivity and movement of lotic Great Plains fishes in the face of climate change. School of Natural Resources, University of Nebraska, Lincoln, Nebraska.
7. Chizinski, C. J., D. R. Martin, C. L. Wiley, and K. L. Pope. 2013. Angler behavior in response to management actions on Nebraska reservoirs: 1 January 2012 through 31 December 2012. Nebraska Cooperative Fish and Wildlife Research Unit, and School of Natural Resources, University of Nebraska, Lincoln, Nebraska.
8. Chizinski, C. J., D. R. Martin, C. L. Wiley, and K. L. Pope. 2012. Angler behavior in response to management actions on Nebraska reservoirs: 1 January 2011 through 31 December 2011. Nebraska Cooperative Fish and Wildlife Research Unit, and School of Natural Resources, University of Nebraska, Lincoln, Nebraska.
9. Chizinski, C. J., D. R. Martin, P. J. Spirk, and K. L. Pope. 2011. Angler behavior in response to management actions on Nebraska reservoirs: 1 January 2010 through 31 December 2010. Nebraska Cooperative Fish and Wildlife Research Unit, and School of Natural Resources, University of Nebraska, Lincoln, Nebraska.
10. Vondracek, B., B. Wilson, C. L. Dolph, C. J. Chizinski, H. Wan, A. Sheshukov. 2009. Empowering Water Quality Decisions: Reducing Uncertainty and Bounding Variability of Stream Ecosystem Indicators. Minnesota Department of Natural Resources, St. Paul, Minnesota.
11. Blinn, C. R., B. Palik, R. Newman, B. Vondracek, E. Merten, S. Eggert, R. Kolka, J. Niemi, A. Peterson, and C. Chizinski. 2009. Evaluating riparian timber harvesting guidelines: Phase 3. Final project report to the Legislative-Citizen Commission on Minnesota Resources.
12. Chizinski, C. J., K. L. Pope, D. B. Willis, and G. R. Wilde. 2001. Economic valuation of water clarity on water-based recreation at Lake Kemp, Texas. U. S. Army Corps of Engineers, Tulsa, Oklahoma.

13. Chizinski, C. J., K. L. Pope, D. B. Willis, and G. R. Wilde. 2000. A preliminary assessment of summer data collected for an economic analysis of water-based recreation at Lake Kemp, Texas. U. S. Army Corps of Engineers, Tulsa, Oklahoma.

## Professional Presentations

### Invited:

1. Bajer, P. B., C. J. Chizinski, T. Szela, J. Silbernagel, J. Osborne, and P. W. Sorensen. 2011. Developing and applying integrated pest management for invasive common carp in a system of interconnected lakes in Minnesota. 72<sup>nd</sup> Midwest Fish and Wildlife Meeting, Des Moines, Iowa.
2. Huff, D., L. M. Miller, C. J. Chizinski, and B. Vondracek. 2011. A simulated reciprocal transplant experiment: local adaptation in reintroduced populations of a native North American fish. 141<sup>st</sup> Annual Meeting of the American Fisheries Society, Seattle, Washington.
3. Chizinski, C. J., P. B. Bajer, and P. W. Sorensen. 2011. Spring spawning movements of the common carp and northern pike in Minnesota. UNL Water Center's 2011 Spring Seminar Series, Lincoln, NE. February 2011.
4. Chizinski, C. J., C. G. Huber, and K. L. Pope. 2004. Bioenergetics model for the inland silverside. 134th Annual Meeting, American Fisheries Society, Madison, Wisconsin.

### Contributed:

1. Grams, A. S., and C. J. Chizinski. 2016. The importance of hunter identity. 23<sup>rd</sup> Annual Conference of the Wildlife Society, October 15-19, 2016, Raleigh, North Carolina. (poster presentation).
2. Chizinski, C. J., M. P. Vrtiska, and K. L. Decker. 2016. Waterfowl hunter participation. Mississippi Flyway Council, August 22-25, 2016, Lexington, Kentucky.
3. Fedele, A.D., C.J. Chizinski, J.J. Fontaine, and K.L. Pope. 2016. Behavioral syndromes and learned hook avoidance in *Ambloplites rupestris*. 146<sup>th</sup> Annual Meeting of the American Fisheries Society, August 21-25, 2016, Kansas City, Missouri.
4. Harmon, B. S., C. J. Chizinski, and K. L. Pope. 2016. Realized and stated preferences of bank angler fishing location within a waterbody. 146<sup>th</sup> Annual Meeting of the American Fisheries Society, August 21-25, 2016, Kansas City, Missouri.

5. Cole, N.W., A.D. Fedele, C.J. Chizinski, and K.L. Pope. 2016. Individual-based model describes behavioral feedbacks between anglers and sportfish. 146<sup>th</sup> Annual Meeting of the American Fisheries Society, August 21-25, 2016, Kansas City, Missouri.
6. Fedele, A.D., C.J. Chizinski, J.J. Fontaine, and K.L. Pope. 2016. Fishery induced learning and behavioral syndromes in *Ambloplites rupestris*. 53rd Annual Conference of the Animal Behavior Society, July 30 - August 3, 2016, Columbia, Missouri.
7. Cole, N.W., A.D. Fedele, C.J. Chizinski, and K.L. Pope. 2016. Simulating behavioral feedbacks between human predators and fish within a recreational fishery. 53rd Annual Conference of the Animal Behavior Society, July 30 - August 3, 2016, Columbia, Missouri.
8. Cole, Nicholas W., C. J. Chizinski, and K. L. Pope. 2016. The seasonal impact of weather on recreational waterbody use. Annual Meeting of the Nebraska Chapter of the American Fisheries Society, February 23-24, 2016, Manhattan, Kansas.
9. Harmon, B. S., C. J. Chizinski, and K. L. Pope. 2016. The effect of environmental features on angler fishing location: a preliminary analysis of two Nebraska reservoirs. Annual Meeting of the Nebraska Chapter of the American Fisheries Society, February 23-24, 2016, Manhattan, Kansas.
10. Fedele, A.D., N.W. Cole, C.J. Chizinski, and K.L. Pope. 2016. Caught-and-released fish may alter behavior in response to predatory anglers. Joint Annual Meeting of the Kansas and Nebraska Chapters of the American Fisheries Society, February 23-24, 2016, Manhattan, Kansas. (poster presentation)
11. Fedele, A.D., N.W. Cole, C.J. Chizinski, and K.L. Pope. 2016. Caught-and-released fish may alter behavior in response to predatory anglers. Gordon Research Conference: Predator-Prey Interactions, January 24-29, 2016, Ventura, California. (poster presentation).
12. Chizinski, C. J., L. K. Kowalewski, K. L. Pope, M. A. Pegg, and L. A. Powell. 2015. Accuracy and precision: implications of home range and sample design on abundance estimates. 145<sup>th</sup> Annual Meeting of the American Fisheries Society, August 16-20, 2015, Portland, Oregon.
13. Stewart, N. T., L. K. Kowalewski, C. J. Chizinski, K. L. Pope, M. A. Pegg, and L. A. Powell. 2015. Use of consumer-grade sonar units with generalized N-mixture models to

- estimate fish abundance. 145<sup>th</sup> Annual Meeting of the American Fisheries Society, August 16-20, 2015, Portland, Oregon.
14. Harmon, B. S., D. R. Martin, C. J. Chizinski, and K. L. Pope. 2015. Angler distribution in response to rainbow trout stocked in a put-and-take fishery. 145<sup>th</sup> Annual Meeting of the American Fisheries Society, August 16-20, 2015, Portland, Oregon.
  15. Cole, N. W., A. D. Fedele, C. J. Chizinski, and K. L. Pope. 2015. Individual-based model describes behavioral feedbacks between anglers and sportfish. 145<sup>th</sup> Annual Meeting of the American Fisheries Society, August 16-20, 2015, Portland, Oregon.
  16. Fedele, A. D., N. W. Cole, C. J. Chizinski, and K. L. Pope. 2015. Learned behavior as a potential factor in reduced catchability. 145<sup>th</sup> Annual Meeting of the American Fisheries Society, August 16-20, 2015, Portland, Oregon.
  17. Barada, T. J., J. J. Jackson, and C. J. Chizinski. The use of trail cameras to assess angler use: processing time, cost effectiveness and limitations. 145<sup>th</sup> Annual Meeting of the American Fisheries Society, August 16-20, 2015, Portland, Oregon. (poster presentation)
  18. Chizinski, C. J., D. R. Martin, and K. L. Pope. 2015. Angler-catch networks over space and time. EIFAAC International Symposium on Recreational fisheries: Managing freshwater recreational fisheries in an era of change, June 15-17, 2015, Lillehammer, Norway.
  19. Pope, K. L., C. J. Chizinski, and M. A. Pegg. 2015. Assessment of ecosystem services using data collected from anglers. EIFAAC International Symposium on Recreational fisheries: managing freshwater recreational fisheries in an era of change, June 15-17, 2015, Lillehammer, Norway.
  20. Stewart, N. T., L. K. Kowalewski, C. J. Chizinski, K. L. Pope, and J. J. Jackson. 2015. Effectiveness of low-dose-rotenone application for controlling White Perch and Gizzard Shad. 46<sup>th</sup> Annual Meeting of the Nebraska Chapter of the American Fisheries Society, Nebraska City, Nebraska.
  21. C. J. Chizinski, N. T. Stewart, K. L. Pope, D. R. Martin, and J. J. Jackson. 2015. The influence of white perch (*Morone americana*) on angling in Branched Oak Reservoir from 1994-2014. 46<sup>th</sup> Annual Meeting of the Nebraska Chapter of the American Fisheries Society, Nebraska City, Nebraska.

22. Cole, N. W., A. D. Fedele, C. J. Chizinski, and K. L. Pope. 2015. Catchability outcomes for naïve fish populations after the introduction of recreational angling. 46<sup>th</sup> Annual Meeting of the Nebraska Chapter of the American Fisheries Society, Nebraska City, Nebraska.
23. Fedele, A. D., N. W. Cole, C. J. Chizinski, and K. L. Pope. 2015. Change in catchability of harvested and non-harvested sportfish in a naïve population. 75th Midwest Fish and Wildlife Conference, Indianapolis, Indiana. (poster presentation)
24. C. J. Chizinski, N. T. Stewart, K. L. Pope, D. R. Martin, and J. J. Jackson. 2015. The influence of a fish invasion on a recreational angling network. 75th Midwest Fish and Wildlife Conference, Indianapolis, Indiana.
25. Stewart, N. T., L. K. Kowalewski, C. J. Chizinski, and K. L. Pope. 2015. Diel distribution of superabundant fish in a Great Plains flood-control reservoir. 75th Midwest Fish and Wildlife Conference, Indianapolis, Indiana.
26. Pope, K. L., D. R. Martin, C. J. Chizinski, M. A. Pegg, and L. Powell. 2014. Estimating the number of recreational fishers for a regional fishery. 7<sup>th</sup> World Recreational Fishing Conference, Campinas, Sao Paulo, Brazil
27. Stewart, N. T., L. K. Kowalewski, C. J. Chizinski, and K. L. Pope. 2014. White perch and gizzard shad spatial distribution in a Great Plains flood-control reservoir. Ecology of Fish in Lakes and Reservoirs (ECOFIL), České Budějovice, Czech Republic.
28. Chizinski, C. J., D. R. Martin, K. L. Pope, and D. Shizuka. 2014. Fish-community effects of recreational fishing in freshwater and marine systems. 144<sup>th</sup> Annual Meeting of the American Fisheries Society, Quebec City, Quebec.
29. Martin, D. R., C. J. Chizinski, and K. L. Pope. 2014. Potential fish-community effects of recreational fishing in freshwater and marine systems. Second Symposium on Fishery Dependent Information, Rome, Italy.
30. Bajer, P. G., T. Cross, M. J. Weber, and C. J. Chizinski. 2013. What drives the recruitment of one of the world's most invasive fish: an analysis of common carp recruitment across three states and eight ecoregions. 143<sup>rd</sup> Annual Meeting of the American Fisheries Society, Little Rock, Arkansas.

31. DeBoer, J. A., K. L. Pope, C. J. Chizinski, and J. J. Fontaine. 2013. Reproductive ecology of female walleye during the spawning season. Nebraska Chapter of the American Fisheries Society, Annual Meeting, Gretna, Nebraska
32. Kowalewski, L.K., C.J. Chizinski, L.A. Powell, M. Pegg, and K.L. Pope. 2013. Influence of sampling effort on accuracy and precision of point-count population estimates. Nebraska Chapter of the American Fisheries Society, Annual Meeting, Gretna, Nebraska
33. Brudney, L., C.J. Chizinski, and R. Hernandez. 2013. Avian and bat fatality at a repowered wind farm in the Altamont Pass Wind Resource Area. The Western Section of the Wildlife Society Annual Conference, Sacramento, CA.
34. Hurley K., C.J. Chizinski, D.R. Martin, and K.L. Pope. 2012. When creel limits change, size matters. 73rd Midwest Fish and Wildlife Meeting, Wichita, Kansas.
35. Wiley, C.W., C.J. Chizinski, D.R. Martin, and K.L. Pope. 2012. Species sought is a defining characteristic of most angler groups. 73rd Midwest Fish and Wildlife Meeting, Wichita, Kansas (poster presentation)
36. Kowalewski, L.K., C.J. Chizinski, L.A. Powell, and K.L. Pope. 2012. Influence of sampling effort on accuracy and precision of point-count population estimates. 73rd Midwest Fish and Wildlife Meeting, Wichita, Kansas (poster presentation)
37. Chizinski, C. J., K. L. Pope, and J. J. Schuckman. 2011. Partitioning angler effort and catch in a complex system. 72<sup>nd</sup> Midwest Fish and Wildlife Meeting, Des Moines, Iowa (poster presentation).
38. Chizinski, L. K., K. L. Pope, and C. J. Chizinski. 2011. The influence of stocking and habitat variability on channel catfish populations in Nebraska. 72<sup>nd</sup> Midwest Fish and Wildlife Meeting, Des Moines, Iowa.
39. Bajer, P. B., C. J. Chizinski, and P. W. Sorensen. 2011. Using the Judas technique to locate and remove invasive common carp. 141<sup>st</sup> Annual Meeting of the American Fisheries Society, Seattle, Washington
40. Chizinski, C. J., P. B. Bajer, P. W. Sorensen. 2010. Spring spawning movements of the common carp in Minnesota. 71st Midwest Fish and Wildlife Conference, Minneapolis, MN.
41. Chizinski, C. J., P. B. Bajer, and P. W. Sorensen. 2010. Dense, winter time aggregations of common carp in Minnesota. Joint Meeting of the Minnesota Chapters of the American

Fisheries Society, Society for Conservation Biology, Society of American Foresters, and The Wildlife Society, Nisswa, Minnesota.

42. Bajer, P. B., J. Silbernagel, C. J. Chizinski, and P. W. Sorensen. 2010. Winter hypoxia drives recruitment of the invasive common carp by eliminating native predatory fishes that forage on carp eggs. Joint Meeting of the Minnesota Chapters of the American Fisheries Society, Society for Conservation Biology, Society of American Foresters, and The Wildlife Society, Nisswa, Minnesota.
43. Huff, D. D., L. M. Miller, C. J. Chizinski, and B. Vondracek. Outbreeding depression and genetic diversity in reintroduced populations of the slimy sculpin. Joint Meeting of the Minnesota Chapters of the American Fisheries Society, Society for Conservation Biology, Society of American Foresters, and The Wildlife Society, Nisswa, Minnesota.
44. Chizinski, C. J., H. Wan, C. L. Dolph, B. Vondracek, and B. Wilson. 2009. The impact of rare taxa on measures of fish index biotic integrity (IBI) in Minnesota. 139th Meeting of the American Fisheries Society, Nashville, Tennessee.
45. Huff, D. D., L. M. Miller, C. J. Chizinski, and B. Vondracek. 2009. Native fish introductions: Why is there variation in persistence among ancestral groups of slimy sculpin? 23rd Annual Meeting for the Society of Conservation Biology and 2009 International Congress for Conservation Biology, Beijing, China.
46. Chizinski, C. J., A. C. Peterson, and C. Blinn. The influence of riparian buffers on bird, aquatic invertebrate, and fish assemblages. 69th Midwest Fish and Wildlife Conference, Columbus, Ohio.
47. Chizinski, C. J., D. Atuke, N. Hemstad, E. Merten, B. Vondracek, R. M. Newman, and C. Blinn. 2008. Effects of riparian forest harvesting on the aquatic ecosystem in northern Minnesota streams. 93rd Annual Meeting, Ecological Society of America. Milwaukee, Wisconsin.
48. Peterson, A. C., C. J. Chizinski, and G. J. Niemi. 2008. Breeding bird community response to harvest in riparian buffers in northern Minnesota, USA. 126th Stated Meeting of the American Ornithologists' Union. Portland, Oregon.
49. Chizinski, C. J., K. L. Pope, and R. E. Strauss. 2007. Morphological plasticity in white perch. 6th Annual Graduate Student Research Poster Competition, Lubbock, Texas (poster presentation).
50. Chizinski, C. J., K. L. Pope, and G.R. Wilde. 2007. Variation in life-history traits in Centrarchidae. 15th Annual Meeting, Southern Division, American Fisheries Society, Memphis, Tennessee (poster presentation).
51. Sanchez, C., C. J. Chizinski, and K. L. Pope, and R. E. Strauss. 2007. Morphological differences between green sunfish from stunted and non-stunted populations. 15th

- Annual Meeting, Southern Division, American Fisheries Society, Memphis, Tennessee (poster presentation).
52. Chizinski, C. J. and K. L. Pope. 2006. Life-history traits in resource-limited populations of white perch. 67th Annual Meeting, Midwest Fish and Wildlife Conference, Omaha, Nebraska (poster presentation).
  53. Chizinski, C. J. and K. L. Pope. 2006. Latitudinal variation of life-history traits in Centrarchidae. 67th Annual Meeting, Midwest Fish and Wildlife Conference, Omaha, Nebraska (poster presentation).
  54. Chizinski, C. J. and K. L. Pope. 2006. Life-history traits in resource-limited populations of white perch, *Morone americana*. 136th Annual Meeting, American Fisheries Society, Lake Placid, New York.
  55. Chizinski, C. J., B. Sharma, S. Mukhi, K. L. Pope, and R. Patiño. 2006. Bioenergetic model for zebrafish and application to ecotoxicology. 14th Annual Meeting, Southern Division, American Fisheries Society, San Antonio, Texas.
  56. Chizinski, C. J. and K. L. Pope. 2005. Life-history characteristics of stunted fish. Centrarchid Technical Meeting, Prairie du Chien, Wisconsin.
  57. Chizinski, C. J., C. L. Higgins, and K. L. Pope. 2005. Multiple hypothesis testing of fish incidence patterns in an urban ecosystem. 30th Annual Meeting, Texas Chapter, American Fisheries Society, Grapevine, Texas.
  58. Longoria, M., C. J. Chizinski, C. G. Huber, and K. L. Pope. 2005. Food habits of the inland silverside. 30th Annual Meeting, Texas Chapter, American Fisheries Society, Grapevine, Texas (poster presentation).
  59. Chizinski, C. J., C. L. Higgins, and K. L. Pope. 2004. Multiple hypothesis testing of fish incidence patterns in an urban ecosystem. 134th Annual Meeting, American Fisheries Society Madison, Wisconsin.
  60. Chizinski, C. J., K. L. Pope, D. B. Willis, G. R. Wilde, and E. J. Rossman. 2004. Economic value of fishing at a low-use reservoir. 12th Annual Meeting, Southern Division, American Fisheries Society, Oklahoma City, Oklahoma (poster presentation).
  61. Huber, C. G., C. J. Chizinski, and K. L. Pope. 2004. Lab evaluation of a bioenergetics model for *Menidia beryllina*. 12th Annual Meeting, Southern Division, American Fisheries Society, Oklahoma City, Oklahoma (poster presentation).
  62. Chizinski, C. J., K. L. Pope, D. B. Willis, G. R. Wilde, and E. J. Rossman. 2004. Economic value of fishing at a low-use reservoir. 29th Annual Meeting, Texas Chapter, American Fisheries Society, College Station, Texas (poster presentation).

63. Huber, C. G., C. J. Chizinski, and K. L. Pope. 2004. Validation of a bioenergetics model for *Menidia beryllina*. 29th Annual Meeting, Texas Chapter, American Fisheries Society, College Station, Texas (poster presentation).
64. Chizinski, C. J., K. L. Pope, D. B. Willis, G. R. Wilde, and E. J. Rossman. 2003. Economic value of fishing at a low-use reservoir. The Texas Water Summit: Focusing on Water for Agriculture and Natural Resources, Austin, Texas (poster presentation).
65. Huber, C. G., C. J. Chizinski, and K. L. Pope. 2003. Bioenergetics model for *Menidia beryllina*. Texas Tech University Honors College Science Day, Lubbock, Texas (poster presentation).
66. Huber, C. G., C. J. Chizinski, and K. L. Pope. 2003. Inland silverside respiration model. 28th Annual Meeting, Texas Chapter, American Fisheries Society, Galveston, Texas (poster presentation).
67. Huber, C. G., C. J. Chizinski, and K. L. Pope. 2003. Inland silversides bioenergetics model. 133rd Annual Meeting, American Fisheries Society, Quebec City, Quebec, Canada (poster presentation).
68. Martinez, F., Jr., C. J. Chizinski, K. L. Pope, C. L. Harthorn, and S. R. Denny. 2003. Food habits of largemouth and spotted bass in two New Mexico reservoirs. 36th Annual Meeting, Arizona-New Mexico Chapter, American Fisheries Society (joint meeting with Arizona and New Mexico Chapters), The Wildlife Society, Gallup, New Mexico (poster presentation).
69. Martinez, F., Jr., C. J. Chizinski, K. L. Pope, C. L. Harthorn, and S. R. Denny. 2003. Food habits of largemouth bass and spotted bass. 28th Annual Meeting, Texas Chapter, American Fisheries Society, Junction, Texas (poster presentation).
70. Martinez, F., Jr., C. J. Chizinski, K. L. Pope, C. L. Harthorn, and S. R. Denny. 2002. Food habits of largemouth and spotted bass in two New Mexico reservoirs. 132nd Annual Meeting, American Fisheries Society, Baltimore, Maryland (poster presentation).
71. Chizinski, C. J., K. L. Pope, D. B. Willis, and G. R. Wilde. 2002. Economic value and impact of water-based recreation for a west Texas reservoir. The Great Plains Foundation Symposium 2002: Protection and Utilization of Air and Water Resources of the Great Plains, The Great Plains Foundation, Amarillo, Texas (poster presentation).
72. Chizinski, C. J. and K. L. Pope. 2002. Effects of natural levels of temperature and food availability on the growth of young-of-the-year green sunfish. 27th Annual Meeting, Texas Chapter, American Fisheries Society, Junction, Texas (poster presentation).
73. Chizinski, C. J., K. L. Pope, D. B. Willis, G. R. Wilde, and E. J. Rossman. 2002. Effects of changes in site characteristics on user value of water-based recreation at a west Texas

reservoir. 27th Annual Meeting, Texas Chapter, American Fisheries Society, Junction, Texas.

74. Chizinski, C. J., D. B. Willis, K. L. Pope, and G. R. Wilde. 2002. Economic valuation of water quality characteristics on water-based recreation at Lake Kemp, Texas. Annual Meeting, Southern Agricultural Economics Association, Orlando, Florida.
75. Chizinski, C. J. and E. B. Schultz. 1999. Influence of hatch date on the growth of the Cunner *Tautoglabrus adspersus*. 2nd Biennial Conference on the Biology of the Tautog and Cunner, New London, Connecticut.

## Teaching Experience

### Classroom instructor:

#### **NRES 898 – Special Topics: Ecological Detective: Confronting Models with Data in R.**

University of Nebraska-Lincoln, (Fall 2016). This course will follow Hilborn and Mangel's *The Ecological Detective*. Following the pseudo code in the book, we will use R programming for the generation of hypotheses, exploration of data, and comparison of different models. Special emphasis will be placed on checking assumptions, exploratory data analysis, presentation of results, and developing sound coding skills.

**NRES 315 – Human Dimensions of Fisheries and Wildlife Management.** University of Nebraska-Lincoln, (Fall 2016). This undergraduate course is designed to introduce students with the basic concepts and ideas relevant in human dimension of natural resource management. This course is divided into three sections. The first section focuses on the foundation of human dimensions by introducing the student to the theories that underlie the field. The second section focuses on the methodological approaches in human dimensions research including survey design and analysis. The third section will focus on applications of human dimensions research into consumptive and non-consumptive aspects of fish and wildlife management, with attention to how the field continues to develop.

**NRES 898 – Special Topics: Experimental design and analysis in R.** University of Nebraska-Lincoln, (Fall 2016). This graduate course had two principal aims: 1) to describe common experimental designs used in natural resources research and 2) provide a means to analyze experiments using R. Topics covered include linear and logistic regression, simple and complex ANOVA models (e.g., factorial, nested, block, split-plot and repeated measures and covariance designs), and log-linear models. Multivariate techniques, including classification and ordination are introduced. Emphasis will be placed on checking assumptions, exploratory data analysis, and presentation of results.

**NRES 463/863 – Fisheries Science** - University of Nebraska-Lincoln, (Fall 2013, 2015). This undergraduate and graduate course covers topic important in fisheries biology emphasizing the determination and evaluation of vital statistics for the management of

fish populations. In addition, provides the basis of specific fishery management techniques. A lab portion for course was also offered **NRES 463-L/863-L**.

**Ecological Theory** – University of Nebraska-Lincoln, (Spring 2015). This course for graduate students delves into the many conceptual, mathematical, computational, and statistical theories in ecology. Using the books *Theory of Ecology* (Scheiner and Willig 2011) and *Laws, Theories, and Patterns in Ecology* (Dodds 2009) and journal articles, we cover a wide range of topics, from ecological niche theory to population dynamic theory to island biogeography theory to provide an understanding of not only the theory discussed, but also what constitutes a good theory. Co-instructed with Dr. T.J. Fontaine.

**Analytics in R** – University of Nebraska-Lincoln, (2013-2016). This course for graduate students, faculty, and staff at Nebraska Game and Park Commission introduces the open source statistical program R. Topics include understanding R's data structures, writing functions, data wrangling and summarization, creating publication-level graphics, loops, applied multivariate analyses, applied regression analysis, and document creation with RMarkdown.

**NRES/AGRI 103** - Introduction to Agriculture and Natural Resources - University of Nebraska-Lincoln, (Fall 2012). This undergraduate course introduces the issues and topics that revolve around agriculture and natural resources.

**RWFM 2305** – Introduction to Freshwater Ecology, Texas Tech University (2005 – 2007). This undergraduate course provided an introduction to ecology, limnology, and fisheries management in freshwater systems.

#### **Certification instructor:**

2011 – current      **Motorboat Operators Certification Course (MOCC)** -University of Nebraska-Lincoln, (2011-current)  
This 24-hr course reviews minimum requirements for safe operation of motorboats and includes a review of legal requirements, preparations, navigation, operations, emergency procedures, rescue, self rescue, trailering, fire suppression and basic seamanship. The course includes both classroom and on-the-water instruction.

#### **Workshop instructor:**

2016. Organizer and instructor: “Using R for Data wrangling and graphics” held 6 October. Annual meeting of the Organization of Fish and Wildlife Information Managers (OFWIM). Ponca, NE. In addition to this half-day workshop, also hosted two, 1-1.5hr webinars.
2013. Organizer and instructor: “Nebraska Creel Summit” held 5-7 August. Nebraska Game and Parks Commission and University of Nebraska, Nebraska City, Nebraska (co-organizer and co-instructor with K. L. Hurley, K. L. Pope, and D. R. Martin).

2008. Organizer and instructor: “At the Water’s Edge: Current State of Riparian Forest Management Research in Minnesota” held 20-22 May. Riparian Science Technical Committee and University of Minnesota, Grand Rapids, Minnesota (co-organizer with C. Blinn, B. Vondracek, and co-instructor with C. Blinn, B. Vondracek, B. Palik, R. Kolka, D. Desotelle, and A Peterson). [website: [rmzharvest.cfans.umn.edu](http://rmzharvest.cfans.umn.edu)]

## **Professional Service**

### **Journal and Academic Press:**

*Associate Editor:* North American Journal of Fisheries Management (2015 – Current)

*Journal Referee:* Canadian Journal of Fisheries and Aquatic Sciences, Ecology of Freshwater Fish, Fisheries Research, Fishery Bulletin, Forest Ecology and Management, Hydrobiologia, Ichthyological Research, Journal of Field Ornithology, North American Journal of Fisheries Management, Marine and Coastal Fisheries, Marine Environmental Research, Oecologia, Oikos, Proceedings of the Southeastern Association of Fish and Game Agencies, Transactions of the American Fisheries Society

### **External reviewer:**

2016: Proposal reviewer, Natural Sciences and Engineering Research Council (NSERC) Strategic Project Grants proposal, Canada

2015: Technical reviewer, Type N Hardrock Study, Washington State Department of Natural Resources

### **Committees:**

Member, School of Natural Resources Student Recruitment Committee (2016 – current)

Co-chair, Student Events Subcommittee for the Midwest Fish and Wildlife Committee (2016 – current)

Member, School of Natural Resources Seminar Committee (2015 – current)

Chair – UNL Postdoc Advisory Council (Fall, 2013)

Vice Chair – UNL Postdoc Advisory Council (Spring, 2013)

Secretary – UNL Postdoc Advisory Council (Spring and Fall, 2012)

Newsletter Committee– The UNL Postdoc Perspective (2011 – 2013)

President – Texas Tech Student Subunit of the American Fisheries Society (2004 – 2005)

Faculty Search Committee – Assistant professor of Aquatic Ecology, Texas Tech University: September 2005 – June 2006

### **Session Moderator:**

Recreational fisheries. 144th Annual Meeting of the American Fisheries Society, Quebec City, Quebec.

Freshwater Ecology. 136<sup>th</sup> Annual Meeting, American Fisheries Society, Lake Placid, New York.

**Professional Societies:**

Presentation Judge: 72nd Annual Midwest Fish and Wildlife Conference, Des Moines, Iowa (2011); 93rd Annual Meeting, Ecological Society of America, Milwaukee, Wisconsin (2008); Texas Tech Association of Biologists Grad Student Forum, Lubbock, TX (2007); Southern Division American Fisheries Society Annual Meeting, San Antonio, TX (2006); Texas Chapter American Fisheries Society Annual Meeting, Grapevine, TX (2005); Texas Chapter American Fisheries Society Annual Meeting, College Station, TX (2004); Texas Chapter American Fisheries Society Annual Meeting, Galveston, TX (2003)

**Professional Affiliations**

The Wildlife Society  
American Fisheries Society  
Nebraska Chapter American Fisheries Society  
Ecological Society of America

**Professional Certification**

Department of the Interior, Motorboat Operator Safety Course (MOCC) Instructor (2011-current)