

JOSHUAH S. PERKIN
CURRICULUM VITAE (September 2017)

MAILING ADDRESS:

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RESEARCH INTERESTS:

Riverine landscape ecology
Conservation of imperiled fishes
Historical variation in stream fish assemblages
Life history and reproductive ecology of fishes

EDUCATION:

Kansas State University – December 2012

Doctor of Philosophy, Biology

Major Advisor: Dr. Keith B. Gido

Dissertation Title: *Fragmentation in stream networks: quantification, consequences, and implications to decline of native fish fauna.*

Texas State University-San Marcos – May 2009

Master of Science, Aquatic Resources

Major Advisor: Dr. Timothy H. Bonner

Thesis Title: *Historical composition and long-term trends of fish assemblages in two Texas rivers and movement and microhabitat associations of Guadalupe bass in the Pedernales and South Llano rivers.*

Texas State University-San Marcos – August 2006

Bachelor of Science, Aquatic Biology

Undergraduate Research Title: *Status, native distribution, and life history aspects of chub shiner *Notropis potteri*.*

APPOINTMENTS:

2017-current: Assistant Professor, Texas A&M University

2014-2017: Assistant Professor, Tennessee Technological University

2013-2014: Postdoctoral Research Associate, Kansas State University

2009-2012: Graduate Teaching Assistant, Kansas State University

2008-2009: Graduate Teaching Assistant, Texas State University-San Marcos

2007-2008: Graduate Research Assistant, Texas State University-San Marcos

2006-2007: Biological Consulting Assistant, Caddo Lake Institute

2006-2007: Research Technician, Texas State University-San Marcos

2005-2006: Undergraduate Research Assistant, Texas State University-San Marcos

2003-2004: Intern, Texas Parks and Wildlife Department Inland Fisheries Division

PROFESSIONAL MEMBERSHIPS:

Society for Freshwater Science (SFS) (2010- Present)

American Fisheries Society (AFS) (2006 – Present)

Texas Chapter AFS (2005 – Present)

PUBLICATIONS (^Uundergraduate & ^Ggraduate student coauthors):

32. Worthington, T.A., S.K. Brewer, N. Farless^G, D. Logue^G, J. Dyer^G, **J.S. Perkin** and T. Echelle. *In Revision*. The emblematic minnows of the North American Great Plains: Identifying information needs to benefit persistence and recovery. *Fish and Fisheries*.
31. Curtis^U, W.J., A.E. Gebhard^G, and **J.S. Perkin**. *In Revision*. The river continuum concept predicts prey community structure for an insectivorous fish. *Freshwater Science*.
30. Wellemeyer^G, J.C., **J.S. Perkin**, M.L. Jameson, K.H. Costigan, R. Waters. *In Revision*. Hierarchy theory reveals multiscale threats to Arkansas Darter (*Etheostoma cragini*) in modified Great Plains riverscapes. *Freshwater Biology*.
28. Gebhard^G, A.E., and J.S. Perkin. 2017. Assessing riverscape-scale variation in fish life history using Banded Sculpin (*Cottus carolinae*). *Environmental Biology of Fishes*.
28. **Perkin, J.S.**, K.B.Gido, J. Falke, K. Fausch, H. Crockett, E. Johnson, J. Sanderson. 2017. Groundwater declines are linked to changes in Great Plains stream fish assemblages. *Proceedings of the National Academy of Sciences* 114:7373-7378.
27. Gebhard^G, A.E., R.T.R. Paine^G, L.A. Hix^G, T.C. Johnson^G, W.G. Wells^G, H.N. Ferrell^G, and **J.S. Perkin**. 2017. Testing cross-system transferability of fish habitat associations using *Cottus carolinae* (Banded Sculpin). *Southeastern Naturalist* 16:70-86.
26. **Perkin, J.S.**, N.E. Knorp^G, T.C. Boersig^G, A.E. Gebhard^G, L.A. Hix^G, T.C. Johnson^G. 2017. Life history theory predicts long-term fish assemblage response to stream impoundment. *Canadian Journal of Fisheries and Aquatic Sciences* 74:228-239.
25. Wells^G, W.G., T.C. Johnson^G, A.E. Gebhard^G, R.T.R. Paine^G, L.A. Hix^G, H.N. Ferrel^G, A.N. Engle^G, and **J.S. Perkin**. 2017. March of the sculpin: measuring and predicting short-term movement of Banded Sculpin *Cottus carolinae*. *Ecology of Freshwater Fish* 26:280-291.
24. Pennock^G, C.A., K.B. Gido, **J.S. Perkin**, V.D. Weaver. 2017. Collapsing Range of an Endemic Great Plains Minnow, Peppered Chub *Macrhybopsis tetranema*. *American Midland Naturalist* 177:57-68.
23. Wellemeyer^G, J.C., C. Harty^G, and **J.S. Perkin**. 2016. Occurrence of *Lepomis miniatus* (Redspotted Sunfish) in the Cumberland River Basin of Tennessee. *Southeastern Naturalist* 15:N33-N36.
22. **Perkin, J.S.**, and T.H. Bonner. 2016. Historical changes in assemblage composition following improved water quality in the mainstem Trinity River of Texas. *River Research and Applications* 32:85-99.
21. Costigan, K.H., C.M. Ruffing, **J.S. Perkin**, M.D. Daniels. 2016. Rapid response of a sand-dominated river to installation and removal of a temporary run-of-the-river dam. *River Research and Applications* 32:110-124.
20. **Perkin, J.S.**, M.J. Troia, D.C.R. Shaw^U, J.E. Gerken, K.B. Gido. 2016. Multiple watershed alterations influence fish community structure in Great Plains prairie streams. *Ecology of Freshwater Fish* 25:141-155.
19. **Perkin, J.S.**, K.B. Gido, K.H. Costigan, M.D. Daniels, and E.R. Johnson. 2015. Fragmentation and drying ratchet down Great Plains stream fish diversity. *Aquatic Conservation: Marine and Freshwater Ecosystems* 25:639-655.
18. Curtis, S.G., **J.S. Perkin**, P.T. Bean, M.S. Sullivan, and T.H. Bonner. 2015. Guadalupe Bass *Micropterus treculii* (Vaillant & Bocourt, 1874). *American Fisheries Society Symposium* 82:55-60.

17. Gido, K.B., J.E. Whitney, **J.S. Perkin**, and T.F. Turner. 2015. Fragmentation, connectivity, and species persistence in freshwater ecosystems. Pages 292-323 *In* G. Closs, M. Krkosek, and J. Olden (editors). Conservation of Freshwater Fishes. Cambridge University Press.
16. **Perkin, J.S.**, K.B. Gido, A.R. Cooper, T.F. Turner, M.J. Osborne, E.R. Johnson, and K.B. Mayes. 2015. Fragmentation and dewatering transform Great Plains stream fish communities. *Ecological Monographs* 85:73-92.
15. Osborne, M.J., **J.S. Perkin**, K.B. Gido, and T.F. Turner. 2014. Comparative riverscape genetics reveals reservoirs of genetic diversity for conservation and restoration of Great Plains fishes. *Molecular Ecology* 23:5663-5679.
14. **Perkin, J.S.** 2014. *Kansas Stream and Native Species Conservation, Peppered Chub *Macrhybopsis tetranema*, Shoal Chub *Macrhybopsis hyostoma*, and Prairie Chub *Macrhybopsis australis**. In: Kansas Fishes, University of Kansas Press, Lawrence.
13. Costigan, K.H., M.D. Daniels, **J.S. Perkin**, and K.B. Gido. 2014. Longitudinal variability in hydraulic geometry and substrate characteristics of a Great Plains sand-bed river. *Geomorphology* 210:48-58.
12. Alexander^U, A.M., and **J.S. Perkin**. 2013. Notes on the feeding ecology of a relict population of the Cardinal Shiner, *Luxilus cardinalis* (Teleostei: Cyprinidae), in Kansas. *Transactions of the Kansas Academy of Science* 167:11-21.
11. Dodds, W.K., **J.S. Perkin**, and J.E. Gerken. 2013. Global human impact on freshwater ecosystem goods and services. *Environmental Science and Technology* 47:9060-9068.
10. **Perkin, J.S.**, Z.R. Shattuck, J.E. Gerken, and T.H. Bonner. 2013. Fragmentation and drought legacy correlate with burrhead chub distribution in subtropical streams of North America. *Transactions of the American Fisheries Society* 142:1287-1298.
9. **Perkin, J.S.**, K.B. Gido, O. Al-Ta'ani, C. Scoglio. 2013. Simulating fish dispersal in stream networks fragmented by multiple road crossings. *Ecological Modelling* 257:44-56.
8. **Perkin, J.S.**, and K.B. Gido. 2012. Fragmentation alters stream fish community structure in dendritic ecological networks. *Ecological Applications* 22: 2176-2187.
7. **Perkin, J.S.**, Z.R. Shattuck, and T.H. Bonner. 2012. Reproductive ecology of a relict ironcolor shiner (*Notropis chalybaeus*) population in the headwaters of the San Marcos River, Texas. *American Currents* 37(2):13-23.
6. Heard, T.C., **J.S. Perkin**, and T.H. Bonner. 2012. Intra-annual variation in fish communities and habitat associations in the Rio Grande/Rio Bravo Del Norte. *Western North American Naturalist* 72:1-15.
5. **Perkin, J.S.**, Z.R. Shattuck, and T.H. Bonner. 2012. Life history aspects of a relict ironcolor shiner *Notropis chalybaeus* population in a novel spring environment. *American Midland Naturalist* 167:111-126.
4. **Perkin, J.S.**, and K.B. Gido. 2011. Stream fragmentation thresholds for a reproductive guild of Great Plains fishes. *Fisheries* 36:371-383.
3. **Perkin, J.S.**, and T.H. Bonner. 2011. Long-term changes in flow regime and fish assemblage composition in the Guadalupe and San Marcos rivers of Texas. *River Research and Applications* 27:566-579.
2. **Perkin, J.S.**, Z.R. Shattuck, P.T. Bean, T.H. Bonner, E. Saraeva, and T.B. Hardy. 2010. Movement and microhabitat associations of Guadalupe bass in two Texas Rivers. *North American Journal of Fisheries Management* 30:31-45.

1. **Perkin, J.S.**, C.S. Williams, and T.H. Bonner. 2009. Aspects of chub shiner *Notropis potteri* life history with comments on native distribution and conservation status. *American Midland Naturalist* 162:279-291.

GRANTS RECEIVED:

- Brewer, S. and **J.S. Perkin**. 2017-2018. Evaluation of sustainable water availability in drought prone watersheds in southeastern Oklahoma. South Central Climate Science Center. \$113,764.
- Mattingly, H. and **J.S. Perkin**. 2017-2019. Determining Bluemask Darter ecological requirements at multiple spatial scales to support reintroductions in the Calfkiller River system. U.S. Fish & Wildlife Service. \$49,460.
- Perkin, J.S.** 2017-2019. Statistical Analysis of the San Marcos and Comal Springs Aquatic Ecosystems Biomonitoring Datasets. Edwards Aquifer Authority and Bio-West. \$41,393.
- Graham, J., A. Mewborn, K. Hoenke, and **J.S. Perkin**. 2016-2019. Increasing Florida's aquatic connectivity by informing project selection through assessment and prioritization of barriers. Florida State Wildlife Grant Program. \$424,113 (\$124,258 to TAMU).
- Perkin, J.S.**, C. Hurt, and M. Kulp. 2016-2018. Prioritizing fish reintroductions in lower Abrams Creek, Great Smoky Mountains National Park based on ecological benefit and source population integrity. Tallassee Fund and Center for the Management, Utilization, and Protection of Water Resources at Tennessee Tech University. \$96,270.
- Fore, J.D., and **J.S. Perkin**. 2016-2018. Proposal for West Tennessee Fish Index of Biological Integrity. Tennessee State Wildlife Grant Program and Center for the Management, Utilization, and Protection of Water Resources at Tennessee Tech University. \$97,270.
- Perkin, J.S.** 2015-2016. Multidisciplinary and ecosystem-level evaluation of aquatic biodiversity response to future water shortages in Southeastern U.S. streams. Tennessee Technological University Faculty Research Grant Program. \$9,997.
- Gido, K.B., **J.S. Perkin**, J.A. Falke, H.J. Crockett, J.S. Sanderson, E.R. Johnson, and K.D. Fausch. 2014-2015. Mapping and predicting groundwater-mediated hydrologic connectivity for Great Plains Prairie Rivers and Streams. U.S. Fish and Wildlife Service Great Plains Landscape Conservation Cooperative. \$84,218.
- Gido, K.B., **J.S. Perkin**, T.F. Turner, M.J. Osborne, E.R. Johnson, K.B. Mayes. 2012-2013. Conservation priorities for Great Plains fish communities based on riverscape connectivity and genetic integrity of populations. U.S. Fish and Wildlife Service Great Plains Landscape Conservation Cooperative. \$165,486.
- Gido, K.B., **J.S. Perkin**, M.D. Daniels, and K.H. Costigan. 2011-2012. Reproductive life history of Great Plains pelagic-spawning fishes in the Ninnescah River, Kansas. Kansas State Wildlife Grant Program. \$124,473.
- Gido, K.B., **J.S. Perkin**, E.R. Johnson and V.M. Tabor. 2010. Consequences of stream fragmentation and climate change for rare Great Plains fishes. U.S. Fish and Wildlife Service Great Plains Landscape Conservation Cooperative. \$23,576.
- Perkin, J.S.** 2010. Influence of stream fragmentation on the abundance and distribution of a rare Great Plains fish community. KS Academy of Science Research Grant. \$1,000.
- Perkin, J.S.** 2009. Evolutionary response of a relict ironcolor shiner *Notropis chalybaeus* population to a novel spring environment. North American Native Fishes Association Conservation Research Grant. \$750.

CURRENT GRADUATE THESES DIRECTED:

Eric Malone. Expected fall 2017. *Thesis*: Restoring Ecosystem Services by Prioritizing Reintroduction of Native Fishes to Lower Abrams Creek, Great Smoky Mountains National Park.

Corinne “Juju” Wellemeyer. 2017. *Thesis*: Assembling Fish Community Indicators of Riverscape Threats: How Do Metric Screening Methods Measure Up? Current position: Fishery Resource Biologist, Missouri Department of Conservation.

PAST GRADUATE THESES DIRECTED:

Amy Gebhard. 2016. *Thesis*: Environmental Regulators of Banded Sculpin (*Cottus carolinae*) Demography along a Stream Size Gradient. *Current position*: Fisheries Resource Biologist, South Dakota Game, Fish and Parks.

GRADUATE STUDENT COMMITTEES:

2016-2018 Isabel Papraniku (M.S. directed by Dr. Donald Walker, TN Tech University)

2015-2017 Jason Payne (M.S. directed by Dr. Justin Murdock, TN Tech University)

2014-2016 Heather Ferrell (M.S. directed by Dr. Carla Hurt, TN Tech University)

2015-2016 Casey Pennock (M.S. directed by Dr. Keith Gido, KS State University)

2014-2016 Josey Ridgway (M.S. directed by Dr. Phil Bettoli, TN Tech University)

2014-2015 Emily Granstaff (M.S. directed by Dr. Tom Roberts, TN Tech University)

UNDERGRADUATE STUDENTS MENTORED:

Tennessee Technological University (2015-2017): Tyler Slagle, Shannon Murphy, Codi Underwood, Will Curtis, Kelsey Stephenson, Zac Tankersley

Wichita State University (2013-2014): Corinne Wellemeyer

Kansas State University (2010-2014): Trevor Starks, Amanda Alexander, Dustin Shaw

TEACHING EXPERIENCE (^Ggraduate level courses):

Fish Ecology^G, Tennessee Tech University (Spring 2015)

Ichthyology, Tennessee Tech University (Fall 2014, Fall 2015, Fall 2016)

General Ecology, Tennessee Tech University (Fall 2015, Spring 2016, Spring 2017)

Biological Analysis in R^G, Tennessee Tech University (Fall 2016)

Fish & Wildlife Biometrics^G, Tennessee Tech University (Spring 2016)

Ecological Ordination^G, Tennessee Tech University (Spring 2015)

Field Ecology-Fishes, Wichita State University (Summer 2011, 2012, 2013, 2014)

Ichthyology, Kansas State University (Spring 2010; Spring 2012; Spring 2014)

Physiological Adaptations of Animals, Kansas State University (Fall 2011)

Principles of Biology, Kansas State University (Fall 2009; Spring 2011)

Fisheries Management and Techniques, Kansas State University (Fall 2010)

Zoology, Texas State University-San Marcos (Spring 2009)

Ichthyology, Texas State University-San Marcos (Fall 2008)

PROFESSIONAL SERVICES:

2016 American Fisheries Society Imperiled Aquatic Species Section, Past President

2016 Southern Division of the American Fisheries Society Resolutions Committee

2014-16 TN Tech University Department of Biology WFS curriculum committee

2014-16 TN Tech University Department of Biology Equipment & Technology Committee

2014-16 TN Tech University Department of Biology Public Relations Committee
 2016 Organizer, TN Tech University Environmental Sciences Colloquium-Mercury Ecology
 2015 Organizer, TN Tech University Environmental Sciences Colloquium-Microchemistry
 2015 Search Committee, Unit Leader for Tennessee Cooperative Fishery Research Unit
 2013 Transactions of the American Fisheries Society Publications Awards Committee
 2012 Transactions of the American Fisheries Society Publications Awards Committee
 2012 Biology Seminar Representative, KSU Biology Graduate Student Association
 2011 Grants Committee Chair, KSU Biology Graduate Student Association
 2010-2011 President, KSU Student Subunit of the American Fisheries Society
 2010 Planning Committee, 3rd Annual Midwest Fisheries Student Colloquium
 2009 Co-chair of Fundraising Committee, Kansas Chapter AFS
 2009-2017 journal referee: American Midland Naturalist, Aquatic Ecology, Biological
 Invasions, Canadian Journal of Fisheries and Aquatic Sciences, Copeia, Ecology of
 Freshwater Fish, Ecological Applications, Ecosphere, Environmental Management,
 Fisheries, Freshwater Science, Global Change Biology, Hydrobiologia, Journal of
 Applied Ecology, Journal of Fish Biology, Journal of Freshwater Ecology, Knowledge
 and Management of Aquatic Ecosystems, Landscape Ecology, Marine and Coastal
 Fisheries, Marine and Freshwater Research, NA Journal of Fisheries Management, PeerJ,
 PLoS One, River Research and Applications, Southeastern Naturalist, Southwestern
 Naturalist, Transactions AFS, Western North American Naturalist

AWARDS/HONORS:

2017 Best Student Paper Award- Tennessee Chapter AFS to student Eric Malone
 2017 Best Student Paper Award- Tennessee Chapter AFS to student Juju Wellemeyer
 2017 Best Student Poster Award- Tennessee Chapter AFS to student Isabel Papraniku
 2016 Best Student Paper Award- Tennessee Chapter AFS to student Amy Gebhard
 2016 Best Professional Paper Award- CO/WY AFS to coauthor Kurt Fausch
 2015 Best Student Paper Award- Southeastern Fishes Council to student Amy Gebhard
 2015 Best Professional Paper Award- Texas Chapter American Fisheries Society
 2012 Haymaker Award for Outstanding Graduate Student Presentation, KSU \$500
 2012 Best Student Paper Award- Kansas Chapter AFS
 2012 Best Student Poster Award- Kansas Chapter AFS (co-author: Amanda Alexander)
 2012 President/Provost's Travel Grant Award- Kansas State University \$75
 2011 Frank Cross-Otto Tiemeier Student Scholarship- Kansas Chapter AFS \$300
 2010 John E. Skinner Memorial Award- National AFS \$800
 2010 President's Travel Grant Award- Kansas State University \$150
 2009 Outstanding Fisheries Student of the Year- Texas Chapter AFS
 2009 Graduate Student Scholarship Award- Texas Chapter of the AFS \$1500
 2009 Academic Excellence Award- Texas State University-San Marcos (TSU-SM)
 2008 Academic Excellence Award- Texas State University-San Marcos (TSU-SM)
 2008 Texas Parks & Wildlife Foundation Conservation Scholarship \$500
 2008 Chuck Nash Aquatic Studies Scholarship- TSU-SM \$1300
 2007 Texas Fishing Forum & Texas Outdoor Writers Association Scholarship \$2500
 2007 Canyon Bass Club of San Marcos Scholarship \$400
 2006 Undergraduate Student Scholarship Award- Texas Chapter of the AFS \$1250
 2006 A. B. and Irene Rogers Aquatic Biology Scholarship- TSU-SM \$750

INVITED SEMINARS:

- Perkin, J.S.** 2017. Fish landscape ecology and conservation in the Great Plains. Texas A&M University.
- Perkin, J.S.** 2016. Life history theory as a framework for predicting fish assemblage structure in altered riverscapes. Southern Illinois University.
- Perkin, J.S.** 2016. Groundwater extraction from the High Plains Aquifer drains streams that support Great Plains fishes. Great Plains Landscape Conservation Cooperative.
- Perkin, J.S.** 2016. All dry on the western front: applying landscape ecology theory to conceptualize the past, present, and future of Great Plains fishes. University of Oklahoma.
- Perkin, J.S.** 2015. FRAGMENTS: Fish responses along gradients of modified ecological networks in temperate streams. University of Missouri.
- Perkin, J.S.** and K.B. Gido. 2015. Conservation priorities for Great Plains fish communities based on riverscape connectivity and genetic integrity of populations. Great Plains Landscape Conservation Cooperative.
- Perkin, J.S.** 2014. The trilateral continuum of doom: broad-scale environmental changes threaten Great Plains stream fishes. Oak Ridge National Laboratory.
- Perkin, J.S.** 2014. A riverine landscape approach to fish conservation and management. Tennessee Technological University.
- Perkin, J.S.** 2014. A riverine landscape approach to fish conservation and management. Murray State University.
- Perkin, J.S.**, K.B. Gido, T.F. Turner, M.J. Osborne, E.R. Johnson, K.B. Mayes. 2014. Conservation priorities for Great Plains fish communities based on riverscape connectivity and genetic integrity of populations. Great Plains Landscape Conservation Cooperative Steering Committee Meeting, Kansas City, MO.
- Perkin, J.S.** 2013. Stream fragmentation and desiccation threaten fish biodiversity in the Great Plains. Center for Limnology Seminar, University of Wisconsin.
- Perkin, J.S.** 2013. A riverine landscape approach to fisheries conservation and management. Georgia Southern University.
- Perkin, J.S.** 2013. Evaluating fish community response to habitat fragmentation in Great Plains streams. Ottawa State University.
- Perkin, J.S.** 2012. Conservation of Great Plains fishes in human-dominated riverine landscapes. Wichita State University.
- Gido, K.B., and **J.S. Perkin**. 2011. Stream fragmentation thresholds for a reproductive guild of Great Plains fishes. Great Plains Landscape Conservation Coop Webinar.

PRESENTATIONS (^Uundergraduate and ^Ggraduate students):*National and international level:*

- Gebhard^G, A.E., and **J.S. Perkin**. 2016. Banded Sculpin (*Cottus carolinae*) life history trait variation across a stream size gradient. American Fisheries Society, Kansas City, MO.
- Wellemeier^G, J.C., **J.S. Perkin**, M.L. Jameson, K.H. Costigan, R. Waters. 2016. Hierarchy theory reveals multiscale threats to Arkansas Darter (*Etheostoma cragini*) in modified Great Plains riverscapes. American Fisheries Society, Kansas City, MO.

- Malone^G, E., **J.S. Perkin**, K.Gibbs, M. Padgett^G, and M. Kulp. 2016. High and dry: Regional drought regimes regulate fish community structure in Appalachian mountain streams. American Fisheries Society, Kansas City, MO.
- Curtis^U, W., A. Gebhard^G, and **J.S. Perkin**. 2016. Trophic ecology of Banded Sculpin (*Cottus carolinae*) across a stream size gradient in Tennessee. American Fisheries Society, Kansas City, MO. (poster)
- Gebhard^G, A.E., W.G. Wells^G, T.C. Johnson^G, , R.T.R. Paine^G, L.A. Hix^G, H.N. Ferrel^G, A.N. Engle^G, and **J.S. Perkin**. 2016. March of the sculpin: measuring and predicting short-term movement of Banded Sculpin *Cottus carolinae*. American Fisheries Society, Kansas City, MO. (poster)
- Perkin, J.S.**, K.B.Gido, J. Falke, K. Fausch, H. Crockett, E. Johnson, J. Sanderson. 2016. The ecological consequences of groundwater depletion in Great Plains riverscapes. American Fisheries Society, Kansas City, MO.
- Perkin, J.S.**, K.B. Gido, K. Costigan, M. Daniels, and E. Johnson. 2016. Fragmentation and drying ratchet down Great Plains stream fish diversity. American Fisheries Society, Kansas City, MO.
- Brewer, S.K., T.A. Worthington, N. Farless, D. Logue, J. Dyer, **J.S. Perkin** and T. Echelle. 2016. Threats to pelagic-broadcast spawning cyprinids. American Fisheries Society, Kansas City, MO.
- Perkin, J.S.** 2016. Rubber bands and ratchets: why does it take so much MacGyvering to establish a long-term fish community study? Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA.
- Falke, J.A., **J.S. Perkin**, K.B. Gido, H.J. Crockett, J.S. Sanderson, E.R. Johnson, and K.D. Fausch. 2015. Groundwater depletion in western Great Plains projected to dry 250 stream-km of fish habitat in the next 45 years. American Fisheries Society, Portland, OR.
- Labay, B., **J.S. Perkin**, D. Hendrickson, and A.R. Cooper. 2015. Who's asking?: Inter-jurisdictional conservation assessment and planning for Great Plains fishes. American Fisheries Society, Portland, OR.
- Perkin, J.S.**, K.B. Gido, J.A. Falke, H.J. Crockett, J.S. Sanderson, E.R. Johnson, and K.D. Fausch. 2015. Groundwater depletion in western Great Plains projected to dry 250 stream-km of fish habitat in the next 45 years. Society for Freshwater Science Conference, Milwaukee, WI.
- Perkin, J.S.**, K.B. Gido, T.F. Turner, M.J. Osborne. 2014. Multi-scale effects of stream fragmentation and dewatering on Great Plains fishes: community dynamics, species distributions, and genetic diversity. Joint Aquatic Science Meeting, Portland, OR.
- Perkin, J.S.**, and B.M. Pracheil. 2013. Threats and opportunities for fish habitat connectivity conservation in the Missouri River basin at multiple scales. American Fisheries Society, Little Rock, AR.
- Gido, K.B., J.E. Whintney, **J.S. Perkin**, T.F. Turner. 2013. Ecological and evolutionary consequences of fragmentation of river networks. American Society of Ichthyologists and Herpetologists, Albuquerque, NM.
- Perkin, J.S.**, K.B. Gido, K.H. Costigan, M.D. Daniels, and E. Johnson. 2012. Distribution of cyprinid fish reproductive guilds in a fragmented Great Plains Riverscape. American Fisheries Society, St. Paul, MN.

- Perkin, J.S.**, K.B. Gido, O. Al' Ta-Ani, and C. Scoglio. 2012. Structural connectivity predicts functional connectivity for fishes in fragmented dendritic ecological networks. American Fisheries Society, St. Paul, MN. (poster)
- Perkin, J.S.**, and K.B. Gido. 2011. Prairie stream fish community structure and related effects of semi-permeable barriers. American Fisheries Society, Seattle, WA.
- Perkin, J.S.**, and K.B. Gido. 2011. Stream fragmentation thresholds for a reproductive guild of Great Plains fishes. American Fisheries Society, Seattle, WA. (poster)
- Dodds, W.K., J.E. Gerken, and **J.S. Perkin**. 2011. Human impact on freshwater systems scaled by relative influence on ecosystems goods and services. North American Benthological Society, Providence, RI.
- Perkin, J.S.**, and K.B. Gido. 2010. Status of pelagic-spawning cyprinid communities within fragmented Great Plains Prairie Streams of North America. American Fisheries Society, Pittsburgh, PA.
- Perkin, J.S.**, and K.B. Gido. 2010. Effects of fragmentation on fish distribution and community structure in Great Plains prairie stream networks. North American Benthological Society, Santa Fe, NM.
- Perkin, J.S.**, Z.R. Shattuck, P. Bean, T.H. Bonner, K. Saraeva and T.B. Hardy. 2009. Movement and microhabitat associations of Guadalupe bass in two Texas rivers. American Fisheries Society, Nashville, TN.
- Perkin, J.S.** and T.H. Bonner. 2009. Changes in hydrology and fish assemblage composition in the headwaters of the Guadalupe River, Texas 1938-2006. American Fisheries Society, Nashville, TN.
- Hardy, T.B., **J.S. Perkin**, and T.H. Bonner. 2009. Moving beyond a flat river: multidimensional attributing of river characteristics for aquatic resource investigations. International Symposium on Ecohydraulics, Concepcion, Chile.
- Perkin, J.S.**, Z.R. Shattuck, T.H. Bonner and T.H. Hardy. 2008. Movement and microhabitat associations of Guadalupe bass *Micropterus treculii* in two Texas rivers. North American Native Fish Association, Athens, TX.
- Perkin, J.S.**, C.S. Williams and T.H. Bonner. 2007. Life history of the chub shiner in the lower Brazos River with comments on conservation status and native distribution. American Fisheries Society, San Francisco, CA (poster).

Regional and state level:

- Wellemeier^G, J.C., **J.S. Perkin**, J. Fore, J. Wisby, M. Clark, and C. Boyd. 2017. Development of Fish Community Indices of Biotic Integrity for West Tennessee streams. West TN Water Resources Symposium, Jackson, TN.
- Slagle^U, T.J., W.J. Curtis^U, N. Goodman^U, and **J.S. Perkin**. 2017. Spatial and Temporal Variability of Fish Assemblage Structure in the Roaring River, Tennessee. Tennessee Tech University Creative Inquiry and Research Day, Cookeville, TN. (poster).
- Murphy^U, S.P., W.J. Curtis^U, A.E. Gebhard^G, J.C. Wellemeier^G, and **J.S. Perkin**. 2017. Testing Diel Fish Migrations between Riffle-Pool Habitats. Tennessee Tech University Creative Inquiry and Research Day, Cookeville, TN. (poster).
- Underwood^U, C.D., W.J. Curtis^U, A.E. Gebhard^G, J.C. Wellemeier^G, and **J.S. Perkin**. 2017. Diel Fish Community Turnover in Riffle Habitats. Tennessee Tech University Creative Inquiry and Research Day, Cookeville, TN. (poster).

- Wellemeier^G, J.C., **J.S. Perkin**, J. Fore, J. Wisby, M. Clark, and C. Boyd. 2017. Comparing Fish Community Biotic Integrity Metrics across Regions of Western Tennessee: Does One IBI Fit All? TN American Fisheries Society Meeting, Knoxville, TN.
- Malone^G, E., **J.S. Perkin**, C. Hurt, M. Kulp, B. Leckie, and D. Walker. 2017. Restoring Ecosystem Function to Abrams Creek by Reintroducing Three Native Fishes. TN American Fisheries Society Meeting, Knoxville, TN.
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