

CURRICULUM VITAE OF KEITH BRYANT GIDO (December 2023)

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EDUCATION:

Ph.D. University of Oklahoma. 1999 (Zoology).

M.S. University of New Mexico. 1995 (Biology).

B.A. New Mexico State University. 1991 (Fisheries and Wildlife Sciences).

EMPLOYMENT:

2019 - University Distinguished Professor, Division of Biology, Kansas State University
2020 – 2021 Interim Graduate Program Director, Kansas State University
2012 - 2019 Professor, Division of Biology, Kansas State University
2006 – 2012 Associate Professor, Division of Biology, Kansas State University
2001 - 2006 Assistant Professor, Division of Biology, Kansas State University
1999 - 2001 Postdoctoral Research Assistant, Sam Noble Oklahoma Museum of Natural History
Spring 2000 Postdoctoral Research Assistant, University of Oklahoma Biological Survey
1996 - 1999 Graduate Teaching Assistant, Department of Zoology, University of Oklahoma
1995 - 1996 Graduate Research Assistant, Department of Zoology, University of Oklahoma
1994 - 1995 Graduate Teaching Assistant, Department of Biology, University of New Mexico
1993 - 1994 Graduate Research Assistant, Department of Biology, University of New Mexico

COURSES TAUGHT:

Fish Ecology, Fisheries Management and Techniques, Analysis of Ecological Gradients, Community Ecology, Ichthyology, Introduction to Wildlife, Fisheries, and Conservation Biology Reservoir Ecology, Reservoir Fish Ecology (Summer Field Course 2002; University of Oklahoma Biological Station)

Independent research for undergraduates (BIOL 698):

Mike Peterson (2002), Nate Franssen (2003), Angie Lickteig (2004), Phil Brinkley (2006), Justin Bengston (2006), Jenifer Nemece (2006), Tyler Kohler (2007), Kelsey Schroeder (2008), Jordan Fey (2008), Brandon Senger (2009), Mitch O'Reilly (2009), Joe Rezik (2011), Dustin Shaw (2011), Sky Hedden (2012), Kelsey Ellis (2014), Michael Denk (2014), Robbie Weber (2014), John Brandt (2014), Emily Johnson (2015), Tanna Fanshier (2017), Austin Earl (2017), Teri Potter (2018), Jenalyn Reichenbach (2019), Emily Samuel (2019), Hunter French (2021)

GRADUATE STUDENTS:

Layne Knight (MS, December 2004), Jeffrey Falke (MS, December 2004), Tim Strakosh (PhD, December 2005), Nathan Franssen (MS, May 2006), Katie Bertrand (PhD, May 2007), Darren Thornbrugh (MS, May 2008), Tyler Pilger (MS, June 2009), Josh Perkin (PhD, December 2012), Matt Troia (PhD May 2014), James Whitney (MS 2010; PhD 2014), C. Nathan Cathcart (MS 2014), Erika Martin (PhD, 2014), Skyler Hedden (MS, 2015), Casey Pennock (MS, 2016; PhD, 2019), Bryan Frennett (PhD, 2019), Garrett Hopper (PhD, 2019), Lindsey Bruckerhoff (PhD, 2020), Crosby Hedden (MS, 2020), Elizabeth Renner (PhD, 2021), Matthew Bogaard (MS, 2021), Peter Pfaff (PhD, 2022), Sophia Bonjour (PhD, expected 2024), John Cleveland (MS, expected 2023), Kade Jackson (MS, expected 2024), Logan Rowley (MS, expected 2024), Keegan Epping (MS, expected 2024), Elle Krellwitz (MS, expected 2025).

POST-DOCTORAL RESEARCH ASSOCIATES

Deb Walks (co-sponsor, 2006 – 2007), Michelle Evans-White (co-sponsor, 2006 – 2007), David Hoeninghaus (co-sponsor, 2006 – 2009), Janine Rüegg (co-sponsor, 2011 – 2016), Josh Perkin (2012 – 2014), James Whitney (2014), Casey Pennock (2020)

GRADUATE STUDENT SUPERVISORY COMMITTEES:

Mike Quist (PhD, May 2002), Stan Proboszcz (MS, July 2002), Bob Oakes (MS, December 2003), Kym Wilson (MS, December 2005), Jon O'Brien (PhD, June 2006), Justin Murdock (PhD, 2006), Jessica Eichmiller (MS, June 2007), Andy Makinster (MS, 2006), Jesse Fischer (MS, 2007), Jeffery Eitzmann (MS, 2007), Kristen Pitts (MS, 2008), Joshua Schloesser (MS, 2008), Wes Bouska (MS 2009), Andrea Severson (MS 2010), Kyle Winders (MS 2010), Alyssa Standorf (PhD 2011), Sivakumar Mohandass (PhD, 2011), Jason Fischer (MS, 2012), Katie Costigan (PhD 2013), Joe Gerkin (PhD, 2015), Danelle Russel (PhD 2014), Tyler Pilger (PhD, University of New Mexico, 2015), Lucas Driver (PhD, University of North Texas, 2015), Jane Fencel (M.S., 2015), Matt Trentman (MS, 2015), Micah Bennett (PhD, University of Southern Illinois, 2015), Willow Malone (MS, 2016), Rosalee Reese (MS, University of New Mexico, 2016), Ellen Welti (PhD, 2017), Robert Mapes (MS, 2016), Richard Lehrter (MS, 2016), Sophia Bonjour (MS, 2017, University of Southern Illinois), Ryan Greenway (PhD, 2019), Christopher Cheek (PhD, 2019, Purdue University), Henry Camarillo (MS, 2019), James Guinnip (PhD, DNF), Steven Bittner (MS, 2021, University of Oklahoma), John Coffin (PhD, 2022), Cody Craig (PhD, 2020, Texas State University), Haoyu Zang (PhD, DNF), Boomer Malanchuk (PhD, 2021), Gregor Hamilton (PhD, 2023, University of New Mexico), Dylan Ramage (MS, Landscape Architecture, 2023), Madison Nobrega (BS/MS, 2023), Sydney Nobel (PhD, in progress).

RESEARCH INTERESTS:

Conservation of native fish communities
Effects of fishes in ecosystems
Top-down versus bottom-up processes in aquatic ecosystems
Ecological effects and management of introduced species
Patterns of long-term variation in fish assemblages
Assemblage structure and population dynamics of freshwater fish communities

HONORS AND AWARDS:

Fisheries Excellence Award, North Central Division of the American Fisheries Society, 2019
Donald W. Tinkle Research Excellence Award, Southwestern Association of Naturalists, 2015
Outstanding Graduate Faculty Award, Division of Biology, Kansas State University, 2012
Best Paper Presentation, Kansas Chapter of the American Fisheries Society, 2003
George Miksch Sutton Award in Conservation Research, 2001
University of Oklahoma, Zoology Department Award for Excellence in Graduate Student Teaching, 1999
Wilks Award finalist, Southwestern Association of Naturalists, 1999
Jimmie Pigg Student Travel Award, 1999
Outstanding Student Member NMSU Student Chapter of AFS, 1991
Ocie Grey Memorial Scholarship, 1991
Anthony Juliana Memorial Scholarship, 1990

RESEARCH GRANTS AT KANSAS STATE UNIVERSITY:

Kansas State University, *Biomonitoring of fish and macroinvertebrates in streams draining Colbert Hills Golf Course*. \$10,500. Oct 2001 - June 2003.
Kansas State University Small Research Grant (USRG), *Food-web structure of invasive species in their native and introduced ranges*. \$3,500. Nov 2001 - June 2002.
Kansas NSF EPSCoR. *Interactive Effects of Disturbance Frequency and Species Composition on Ecosystem Functioning of Intermittent Streams: A test of Future Climatic Change Scenarios*. \$49,907. Jun. 2002 - Aug. 2003.
Kansas Department of Wildlife and Parks. *Effects of largemouth bass on habitat use by Topeka shiners, red shiners, and bluntnose minnows: implications for susceptibility to predation*. \$36,580. Jan. 2003 - Dec. 2003.
Kansas NSF EPSCoR. Ecological Genomics Project (Subproject: Mike Herman and Loretta Johnson, PIs): *Heat Shock Proteins and Temperature Adaptation by Native Minnows of Kansas* (with Gerald Reeck). Sep. 2003 – Aug. 2005. Approximately \$36,000.
United States Department of the Interior, Bureau of Reclamation. *Trophic relationships between Colorado pikeminnow (Ptychocheilus lucius) in the San Juan River*. Mar. 2003 - Mar. 2006. \$130,000.
National Science Foundation. *REU Site: Conservation of the Tallgrass Prairie Ecosystem* (Brett Sandercock PI). \$169,954. May 2003 - Apr. 2006
United States Department of the Interior, GAP analysis program (with Walter Dodds). *Kansas Aquatic Gap*. \$210,166. Jul. 2001 - Jun. 2005.
Kansas Department of Wildlife and Parks. *Effects of water willow on age-0 centrarchids in Kansas reservoirs*. \$131,778. Jan 2001 - Dec. 2005.
National Science Foundation Long-Term Ecological Research Program. *LTER V: Long-term research on grassland dynamics and global change*. J.M. Blair (PI), J.M. Briggs, D.C. Hartnett, L.C. Johnson, A.K. Knapp and others). \$4,680,000 (approximately \$25,000/yr to Gido's lab). November 1, 2002 – October 31, 2008
Kansas Department of Parks and Wildlife. *Building models to predict species occurrences in Kansas streams*. \$149,480. August 2004 - July 2009.

- National Science Foundation. *Interactive Effects of Disturbance Frequency and Species Composition on Ecosystem Functioning of Intermittent Streams: A test of Future Climatic Change Scenarios*. \$320,000. Jan 2005 – Dec 2007
- United State Department of the Interior, GAP analysis program. *Lower Colorado River Aquatic Gap*. \$60,286. May 2004 – June 2005.
- Kansas NSF EPSCoR. *Requirements for specialized research transport equipment: a unique airboat to study shallow reservoirs and rivers of the Great Plains*. J.H. Thorpe (PI), S.J. Randtke, F. deNoyelles, K. Gido. \$33,333. Sept. 2004 – Aug. 2005.
- EPA STAR grant. *Ecosystem thresholds and alternate states in Great Plains rivers and streams: cascading effects of anthropogenic hydrologic disturbance*. W. Dodds (PI), K. With, K. Gido, and J. Koelliker. \$300,000. Mar. 2005 – Mar. 2007.
- Kansas NSF EPSCoR. *Forecasting ecological change in the Central Plains*. L. Krishtalka and W.K. Dodds (Co-Directors, Gido leader of Aquatic Group). \$3,200,000 (Aquatic Group budget approximately \$200,000). Mar. 2006 – Mar. 2009.
- New Mexico Department of Game and Fish. *Characterizing long-term changes in fish assemblages of the Gila River basin*. \$15,000. May 2007 - June 2009.
- Kansas Department of Wildlife and Parks. *Viability of fragmented streams in Kansas: effects of river impoundment on population genetic structure of a sentinel-species, Semotilus atromaculatus*. \$47,101. May 2008 – December 2009.
- U.S. Fish and Wildlife Service. *Consequences of Stream Fragmentation and Climate Change for Rare Great Plains Fishes*. \$23,576. June 2010 – September 2010.
- New Mexico Department of Game and Fish. *Informed Management of Native Fishes: Targeting Critical Life Stages of Nonnatives for Mechanical Removal*. \$203,000. August 2007 – June 2011.
- National Science Foundation Long-Term Ecological Research Program. *Konza Prairie LTER VI: Grassland Dynamics and Long-Term Trajectories of Change*. J.M. Blair (PI), W.K. Dodds, D.C. Hartnett, A. Joern, J.B. Nippert. \$5,640,000 (approximately \$30,000/yr to Gido's lab). November 1, 2008 – October 31, 2014.
- New Mexico Department of Game and Fish. *Quantifying Basal Resource Productivity of Native and Non-Native Fishes in the Gila River Basin Fish Assemblages*. \$118,004. March 2009 – June 2012
- Kansas Department of Wildlife and Parks. *Mapping the occurrence of stream obstructions in the state of Kansas*. \$34,118. June 2010 – November 2011.
- New Mexico Department of Game and Fish. *Stream Fish Assemblages Monitoring Data and Decision-Support Model for Enhanced Critical Conservation Decision-Making in New Mexico*. \$91,690. July 2010 – June 2012.
- Kansas Department of Wildlife and Parks (Melinda Daniels, Co-PI). *Seasonal Fish Assemblages and Habitat Effects Near Bowersock Dam: Implications For Fish Passage*. \$103,336. March 2010 – December 2011.
- Kansas Department of Wildlife and Parks (Melinda Daniels Co-PI). *Reproductive life history of pelagic spawning fishes*. \$124,473. April 2011 – August 2013.
- U.S. Bureau of Reclamation. *Use and importance of tributaries to sustaining native fish communities in San Juan River*. \$292,648. September 2011 – September 2015.
- National Science Foundation (W. Dodds and K.Gido). *Collaborative Research: Scale, Consumers and Lotic Ecosystem Rates (SCALER): Centimeters to Continents*. \$1,198,081. August 2011 – August 2016.

- U.S. Bureau of Reclamation. *Metacommunity Dynamics of Gila River Fishes*. \$187,152. September 2011 – September 2013 (no cost extension through September 2014).
- Wildlife Management Institute. *Conservation Priorities for Great Plains Fish Communities Based on Riverscape Connectivity and Genetic Integrity of Populations*. \$128,587. August 2012 – September 2013.
- Wildlife Management Institute. *Mapping and Predicting Groundwater-Mediated Hydrologic Connectivity for Great Plains Prairie Rivers and Streams*. \$84,218. October 2013 – September 2014 (no-cost extension through June 2015).
- National Science Foundation (Matt Troia). *Dissertation research: Forecasting Global Warming Effects on Developmental Performance of Prairie Stream Fishes Along the River Continuum*. \$12,695. June 2013 – May 2014.
- New Mexico Department of Game and Fish. *Effects of the Whitewater-Baldy Complex Fire on Warmwater Fishes in the Gila River Basin, New Mexico*. \$170,076. Jan 2014 – June 2016.
- National Science Foundation. *Collaborative research: Shifting hotspots: how do consumer aggregations interact to influence resource heterogeneity and fluxes in streams?* \$282,080. 4/1/2015 – 3/31/2018.
- Kansas Department of Wildlife and Parks. *Efficacy of Fish Passage through the Lincoln Street Fishway on the Arkansas River, Kansas*. \$114,251. June 2015 – July 2017.
- National Parks Service. *Determine Implications of Non-Native Stocked Fish on Native Stream Communities at TAPR*. \$22,770. September 2015 – September 2018.
- National Parks Service. *Management Plan for the federally endangered Topeka shiner (Notropis topeka) within Tallgrass Prairie National Preserve*. \$24,750. August 2015 – September 2018.
- National Parks Service. *Assessing geomorphological conditions of Tallgrass Prairie National Park upland prairie stream reaches at TAPR*. \$23,759. August 2015 – August 2018.
- Kansas Department of Wildlife and Parks. *Relative contribution of gizzard shad to food webs in small Kansas impoundments*. \$280,000. March 2017 – December 2020.
- U.S. Fish and Wildlife Service. *Multi-scale factors influencing occurrences of Topeka Shiner (Notropis topeka) in the Flint Hills, Kansas*. \$126,393. February 2017 – May 2022.
- U.S. Bureau of Reclamation. *Population size, mobility and early life history of Razorback Suckers in the San Juan River – Lake Powell complex*. \$1,133,713. August 2017 – September 2022.
- U.S. Bureau of Reclamation. *Habitat Assessment for Spikedace and Loach Minnow*. \$247,900. August 2018 – July 2021.
- U.S. Geological Survey, John Wesley Powell Center for Analysis and Synthesis (Wenger, S., M. Freeman, A. Walters and K. Gido). *Synthesizing Multiple Long-Term Datasets to Test Flow Ecology Relationships to Inform Water Resources Management*. \$35,402. April 2019.
- National Parks Service. *Determine Status of Topeka Shiners and Potential for Propagation and Reintroduction throughout TAPR*. \$54,639. May 2019 – September 2023.
- National Parks Service. *Assess the Geomorphic Condition of Fox and Palmer Creeks at Tallgrass Prairie National Preserve (TAPR)*. \$19,749. May 2019 – September 2023.
- U.S. Fish and Wildlife Service. *Aquatic Prioritization Tool Focused on Topeka Shiner and Congeners: A pilot to prioritize management actions for strategic species recovery in the grassland ecosystem*. \$40,000. Oct 2020 – Sept 2021.

- National Science Foundation (J.B. Nippert, S.G. Baer, K.B. Gido, M. Smith, L.H. Zeglin). *ILTER: Manipulating drivers to assess grassland resilience*. \$7,122,000. November 2020 – October 2026.
- U.S. Bureau of Reclamation. *Conservation research of Colorado River Basin fishes*. \$2,181,745. October 2021 – September 2026.
- U.S. Army Corps of Engineers. *Effects of Sediment Release from Water Injection Dredging on Downstream Freshwater Ecology in Kansas*. \$182,006. September 2022 – October 2024.
- Kansas Department of Wildlife and Parks. *Habitat use, movement, and entrainment of fishes in Milford and Tuttle Creek Reservoirs*. \$19,940. July 2023 – June 2025.
- National Science Foundation (K. Gido and T. Moore). *Collaborative Research: Can Human-Induced Turbidity Currents Enable Sustainability of Freshwater Reservoirs?* \$149,979. 8/1/2023 – 7/31/2026.
- U.S. Army Corps of Engineers. *Spawning chronology of fishes in relation to flows in the Kansas and Osage/Maris des Cygnes rivers*. \$49,212. September 2023 – March 2025.
- U.S. Army Corps of Engineers. *Monitoring of Tuttle Creek Reservoir water injection dredging demonstration in the Kansas and Big Blue rivers*. \$171,525. September 2023 – September 2025.
- U.S. Geological Survey, South Central Climate Adaptation Science Center (L. Bruckerhoff and K. Gido). *Intermittent stream risk assessment: Mapping patterns of stream drying and identifying vulnerabilities of stream fish and crayfish communities*. \$428,716. August 2023 – July 2026.

PROFESSIONAL ORGANIZATIONS:

American Fisheries Society
Southwestern Association of Naturalists
Society of Freshwater Science
Desert Fishes Council

PROFESSIONAL SERVICES:

Editorial Board, *Ecology of Freshwater Fishes*, 2022 - present
Editorial Board, *BioScience*, 2020 - present
Editorial Board, *Freshwater Science*, 2012 – 2021
US Army Corps of Engineers, Sustainable Rivers Program for the Marais Des Cygnes River, Steering Committee, 2021 – present
US Army Corps of Engineers, Sustainable Rivers Program for the Kansas River, Steering Committee, 2017 – present
Board of Governors, Southwestern Association of Naturalist, 2007 – 2010, 2018 - 2021
Kansas Alliance for Wetlands and Streams Advisor, 2017 - 2020
Glen Canyon Dam Adaptive Management Program, Independent Review Panel, 2017-2018
Glen Canyon Dam Adaptive Management Program's fisheries program review panel, 2016
National Science Foundation Panel Member (2004, 2005, 2006, 2015, 2016)
National Science Foundation ad hoc proposal reviewer (2007, 2008, 2010, 2011, 2015, 2016)
San Juan River Recovery and Implementation Program Flow Evaluation Workshop, 2015
STREON working group, National Ecological Observatory Network, 2013 - 2015
President, Kansas Chapter of the American Fisheries Society, 2013-2014

Science Advisory Team, NSERC HydroNet Program, 2010 - 2014
Board of Editors, *Ecological Applications*, 2007 - 2010
Gila River Science Panel, 2009
Rio Grande Silvery Minnow Recovery Plan Peer Review, 2007
Arkansas River Shiner Science Advisory Board, 2003 – 2004
Foundation for Biology Committee, KSU Division of Biology, 2003 – 2007
Coordinator of Kansas Aquatic Gap Initiative, 2001-2007
Raney Awards committee (chair 2002), American Society of Ichthyologist and Herpetologists 2000-2002
Skinner Committee, American Fisheries Society 2001 - 2002
Proposal review panel for Grand Canyon Monitoring and Research Center 2001
Proposal reviews: Middle Rio Grande Valley Endangered Species Act Collaborative Program, Science Subcommittee 2002 and 2003 (9 grants reviewed); Maryland Sea Grant 2001
Animal Facilities Committee, University of Oklahoma 1998
Chairman, Publications Committee, UNM Biology Graduate Student Association 1994
President of NMSU Chapter of American Fisheries Society 1990-1991
Secretary NMSU Chapter of American Fisheries Society 1988-1989

PEER-REVIEWED PUBLICATIONS (* indicates KSU post doc or graduate students):

173. Grossman, G.D. and K.B. Gido. In press. Density-dependent Growth in Salmonids: a Metaanalysis. Pages ?? - ?? In: Lobon Cervia, J. (ed.), Ecology of stream-dwelling salmonids.
172. Hedden*, C.K., S.C. Hedden*, K.B. Gido, A.C. Cameron, D.L. Propst, and B.L. Stewart. *In press*. Multi-scale analysis suggests habitat variable, rather than nonnative abundance, predicted species occurrence and abundance. *Transactions of the American Fisheries Society*.
171. Neely, B.C., J.D. Koch, and K.B. Gido. *In press*. Effects of live-imaging sonar on Blue Catfish angler success, perception, and behavior. *North American Journal of Fisheries Management*.
170. Bonjour*, S.M., K.B. Gido, M.C. McKinstry, C.N. Cathcart*, M.R. Bogaard*, M. Dzul, B. Healy, Z.E. Hooley-Underwood, D. Rogowski, and C. Yackulic. 2023. Migration timing and tributary use of spawning flannelmouth sucker (*Catostomus latipinnis*). *Journal of Fish Biology* 103:851-1247.
169. Hedden*, S.C., **K.B. Gido**, C.K. Hedden*, B.T. Hickerson, and W.T. Stewart. 2023. Movement, Not Survival, Differs Between Wild and Hatchery-Reared Imperiled Desert Fishes. *North American Journal of Fisheries Management*. 1310 - 1321
168. Perkin*, J.S., P.M. Kocovsky, Z.D. Steffensmeier and **K.B. Gido**. 2023. Why are larger fish farther upstream? Testing multiple hypotheses using Silver Chub in two Midwestern United States riverscapes. *North American Journal of Fisheries Management*. 43: 1225–1245.
167. Siller*, M.K., P.J. Pfaff*, E. Wild and **K.B. Gido**. *Accepted*. Apparent Survival and Detection Probability of PIT tagged Small-bodied Stream Fishes Using Multi-pass Wand Antenna Surveys. *Environmental Biology of Fishes* 106:1371–1381.
166. Bogaard*, M.R., **K.B. Gido**, M.C. McKinstry and C.A. Pennock*. 2023. Water temperature predicts razorback sucker *Xyrauchen texanus* spawning migrations. *Environmental Biology of Fishes* 106:1503–1517.

165. Dibble, K.L., C.B. Yackulic, K.R. Bestgen, **K.B. Gido**, M.T. Jones, M.C. McKinstry, D. Osmundson, D. Ryden, R.C. Schelly. 2023. Assessment of recovery viability for Colorado pikeminnow *Ptychocheilus lucius* in the Colorado River in Grand Canyon. *Journal of Fish and Wildlife Management*. *Journal of Fish and Wildlife Management* 14: 239–268.
164. **Gido, K.B.**, M.J. Osborne, D.L. Propst, T.F. Turner, and J.D. Olden. 2023. Megadroughts pose mega-risk for native fishes in the American Southwest. *Fisheries* 48: 181-224.
163. Hopper*, G.W, C.C. Vaughn and **K.B. Gido**. 2023. Indirect function effects of neighbors on food web compartments could not overcome density-dependent limited growth of a grazing minnow. *Food webs* 35:e00277.
162. Neely, B.C., J.D. Koch and **K.B. Gido**. 2023. Evaluating the effect of live-imaging sonar on catch of crappies in a Kansas impoundment. *Fisheries*. 48:49-53.
161. Pfaff*, P.J. and **K.B. Gido**. 2023. Community assembly of prairie farm ponds: Build it and they will come, stock it and they won't. *Canadian Journal of Fisheries and Aquatic Sciences* 80: 287–297.
160. **Gido, K.B.**, S.C. Hedden*, L.A. Bruckerhoff*, C.A. Pennock*, C.K. Hedden*, G.W. Hopper*, E.A. Renner*, E.R. Johnson and B.J. Postlethwait. 2023. A perched culvert and natural obstructions limit fish dispersal in an intermittent prairie stream. *Freshwater Science* 42:33-43.
159. Hedden*, C.K., S.C. Hedden*, **K.B. Gido** and J.E. Whitney*. 2022. Intraspecific Response of Sonora Suckers to Consecutive Wildfire Disturbances. *Southwestern Naturalist*. 67: 133-142.
158. Wenger, Seth; Stowe, Ed; **Gido, Keith**; Freeman, Mary; Kanno, Yoichiro; Franssen, Nathan; Olden, Julian; Poff, N. LeRoy; Walters, Annika; Bumpers, Phillip M.; Mims, Meryl; Hooten, Mevin; Lu, Xinyi. 2022. Simple statistical models can be sufficient for testing hypotheses with population time series data. *Ecology and Evolution* 12:e9339.
157. Pennock*, C.A., Bruckerhoff*, L.A., **Gido, K.B.**, Barkalow, A.L., Breen, M., Budy, P., Mcfarlane, W.W., and Propst, D.L. 2022. Failure to achieve recommended environmental flows coincides with declining fish populations: long-term trends in a regulated and unregulated river. *Freshwater Biology* 67: 1631-1643.
156. Dean, E., Cooper, A., Wang, L., Daniel, W., David, S., **Gido, K.**, Hale, E., Haxton, T., Kelso, W., Leonard, N., Lido, C., Margraf, J., Porter, M., Pennock, C., Propst, D., Ross, J., Staudinger, M., Whelan, G., and Infante, D. 2022. The North American Freshwater Migratory Fish Database (NOMAD): Characterizing the migratory life histories of freshwater fishes of Canada, the United States, and Mexico. *Journal of Biogeography*. 48: 1193-1203. <https://doi.org/10.5066/P9WDLLP0>.
155. Hedden*, S.C., **K.B. Gido**, C.K. Hedden*, C.A. Pennock*, B.R. Duran, B.A. Hines, E.I. Gilbert, M.C. McKinstry, S.C. Durst and N.R. Franssen. 2022. Determining resource intake of a nonnative fish highlights potential predatory and competitive interactions. *Biological Invasions* 24: 2351–2364.
154. Evelyn, I.G., S.C. Hedden*, N.R. Franssen, and **K.B Gido**. 2022. Diet comparison between juvenile and adult invasive channel catfish (*Ictalurus punctatus*) in the San Juan River. *Southwestern Naturalist* 66:180-184.
153. Pilger, T.J., **K.B. Gido**, D.L. Propst, J.E. Whitney*, and T.F. Turner. 2022. Demography predicts genetic effective size in a desert stream fish community. *American Naturalist* 200: 275-291.

152. Webster*, J.S., **K.B. Gido**, S.C. Hedden*, D.L. Propst, and J.E. Whitney*. 2022. Response of arid-land macroinvertebrate communities to extremes of drought, wildfire, and monsoonal flooding. *River Research and Applications* 38: 832-845.
151. Freeman, M.C, Bestgen, K.R., Carlisle, D., Frimpong, E.A., Franssen, N.R. **Gido, K.B.**, Irwin, E., Kanno, Y., Luce, C., McKay, S.K., Mims, M.C., Olden, J.D., Poff, N.L., Propst, D.L., Roy, A.H., Stowe, E.S., Walters, A., Wenger, S.J. 2022. Toward improved understanding of streamflow effects on freshwater fishes. *Fisheries* 47: 290-298.
150. Vaughn, C.C., T.B. Parr, **K.B. Gido**, T.P. DeBose, K.K. Gates, and G.W. Hopper*. 2022. Do mobile consumers homogenize the distribution of resources in stream food webs? A test with overlapping fish and mussel aggregations. *Freshwater Biology* 67: 684-694.
149. Hedden*, C.K., D.L. Propst, S.C. Hedden*, **K.B. Gido** and J.E. Whitney*. 2022. Differential Responses of Native Fishes in Two Headwater Tributaries of the Gila River Following Severe Wildfires. *Western North American Naturalist* 82: 201-207.
148. Hedden*, S.C. and **K.B. Gido**. 2022. Age-specific patterns of occurrence, density, and growth of two cyprinid fishes in headwater prairie streams. *Southwestern Naturalist* 65:205-215.
147. Hedden*, C.K., **K.B. Gido** and A.C. Cameron. 2022. How fast is too fast? Growth rates of four native Gila River cyprinids along a water velocity gradient. *Ecology of Freshwater Fishes*. 31: 118-128.
146. Pennock*, C.A., Z. Ahrens, M.C. McKinstry, P. Budy and **K.B. Gido**. 2021. Trophic niches of native and nonnative fishes along a river-reservoir continuum. *Scientific Reports* 11, 12140. <https://doi.org/10.1038/s41598-021-91730-1>
145. Bruckerhoff*, L.A., C.A. Pennock* and **K.B. Gido**. 2021. Do fine-scale experiments underestimate predator consumption rates? *Journal of Animal Ecology*. 90: 2391-2403. <https://doi.org/10.1111/1365-2656.13549>
144. Hedden*, S.C., L.A. Bruckerhoff* and **K.B. Gido**. 2021. Assessing linkages between small impoundments and long-term trajectories of prairie stream fish assemblages. *American Midland Naturalist* 185:187-200. <https://doi.org/10.1674/0003-0031-185.2.187>
143. Pennock*, C.A. and **K.B. Gido**. 2021. Spatial and temporal dynamics of fish assemblages in a desert reservoir over 38 years. *Hydrobiologia* 848: 1231–1248. <https://doi.org/10.1007/s10750-021-04514-z>
142. Comte, Lise ; Carvajal, Juan; Tedesco, Pablo; Giam, Xingli; Brose, Ulrich; Eros, Tibor; Filipe, Ana; Fortin, Marie-Josée; Irving, Katie; Jacquet, Claire; Larsen, Stefano; Sharma, Sapna; Ruhi, Albert; Becker, Fernando; Casatti, Lilian; Castaldelli, Giuseppe; Dala-Corte, Renato; Davenport, Stephen; Franssen, Nathan; García-Berthou, Emili; Gavioli, Anna; **Gido, Keith**; Jimenez-Segura, Luz; Leitão, Rafael; McLarney, Bill; Meador, Jason; Milardi, Marco; Moffatt, David; Occhi, Thiago; Pompeu, Paulo; Propst, David; Pyron, Mark; Salvador, Gilberto; Stefferud, Jerome; Sutela, Tapio; Taylor, Christopher; Terui, Akira; Urabe, Hirokazu; Vehanen, Teppo; Vitule, Jean; Zeni, Jaqueline; Olden, Julian. 2021. RivFishTIME: A global database of fish time-series to study global change ecology in riverine systems. *Global Ecology and Biogeography*. 30:38-50. <https://doi.org/10.1111/geb.13210>
141. Hedden*, S.C., **K.B. Gido**, C.K. Hedden*, C.A. Pennock*, B.R. Duran, B.A. Hines, E.I. Gilbert, M.C. McKinstry, S.L. Durst, and N.R. Franssen. 2021. Quantifying Native Fishes Consumption by Nonnative Channel Catfish in a Desert River. *North American Journal of Fisheries Management*. 41(Special Issue 1):S82–S94. <https://doi.org/10.1002/nafm.10514>.

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MANUSCRIPTS IN REVIEW OR PREPARATION:

- DuBose, T.P., C.C. Vaughn, G.W. Hopper, **K.B. Gido**, T.B. Parr. *In revision*. Habitat engineering effects of freshwater mussels in rivers vary across spatial scales. *Hydrobiologia*
- Renner, E.A., **K.B. Gido**, B.C. Neely, J.D. Koch, C.J. Chance-Ossowski, T.D. Harris, F.J. deNoyelles, I.G. Evelyn, T.C. Jones and W.K. Dodds. *Submitted*. Associations between gizzard shad (*Dorosoma cepedianum*) relative abundances and limnological parameters in small impoundments. *Hydrobiologia*
- Pfaff, P.J., K.J. Hase and K.B. Gido. *In revision*. Predator presence influences survival and behavior of translocated stream fish in ponds. *Journal of Fish and Wildlife Management*.
- Bonjour, S.M., K.B. Gido, C.N. Cathcart, and M.C. McKinstry. *Submitted*. Individual return patterns of spawning flannelmouth sucker (*Catostomus latipinnis*) to a desert river tributary. *Scientific Reports*.
- Pfaff, P.J., K.J. Hase, and K.B. Gido. *In review*. Survival, reproduction, and dispersal of translocated Topeka Shiner (*Notropis topeka*) in prairie streams and ponds. *Aquatic Conservation: Marine and Freshwater Ecosystems*.
- Propst, D.L., K.B. Gido, T.F. Turner. *In prep*. Drought cycles, wildfires, invasive species, and long-term persistence of a native fish assemblage in the unregulated Gila River, New Mexico, USA.
- Rick, A., P.J. Pfaff, K.B. Gido, M. Tobler and H. Hoffman-Colburn. *In prep*. Morphological Features of *Pimephales notatus* from pond and stream habitats.
- Pennock, C.A., B.D. Healy, M.R. Bogaard, M.C. McKinstry, K.B. Gido, C.N. Cathcart, P.D. MacKinnon, B. Hines, T. Diver, and M. Saltzgeber. *Submitted*. Translocation in a fragmented river leads to demographic benefits for an imperiled fish assemblage. *Ecological Applications*.
- Pfaff, P.J, A. Masek, A. Rick, and K.B. Gido. *In prep*. Distribution and Predicted Communities of Farm Ponds Small Lentic Waterbodies Across the Northern Great Plains of North America
- Siders, A.C., G.W. Hopper, M.R. Whiles, A.J. Reisinger and K.B. Gido. *In prep*. Drought-mediated increases in emergent midge body size offset decreased abundance. *Freshwater Biology*
- Cleveland, J.E., N.R. Franssen, K.B. Gido. *In prep*. Stocking is for the birds: Survival, movement and terrestrial predation of stocked Colorado pikeminnow following hatchery flow training.
- Cleveland, J.E., N.R. Franssen, K.B. Gido. *In prep*. Habitat use and selection by juvenile Colorado Pikeminnow in the San Juan River, NM and UT.

BOOKS:

- Kansas Fishes Committee (D.A. Distler, M.E. Eberle, D.R. Edds, **K.B. Gido**, S.G. Haslouer, D.G. Huggins, T.D. Mosher, W.J. Stark, J.R. Tomelleri, J.R. Triplett, E.O. Wiley). 2014. *Kansas Fishes*. University Press of Kansas, Lawrence.
- Gido, K.B.** and D.A. Jackson (eds.). 2010. *Community Ecology of Stream Fishes: Concepts, Techniques and Approaches*. American Fisheries Society Symposium Series 73, Bethesda, MD. 684 pp.

BOOK REVIEWS:

- K.B. Gido** and G.W. Hopper. 2018. Beautifully Grotesque Fish of the American West. *Great Plains Research* 28:222-222.
- K.B. Gido**. 2014. Ecology of North American Freshwater Fishes (Ross, S). *Transactions of the American Fisheries Society*
- K. B. Gido**. 2006. Fishes of Oklahoma, 2nd edition. (Miller, R. and H. Robison). *Great Plains Research* 16:102.
- K. B. Gido**. 2003. Management and Ecology of Lake and Reservoir Fisheries (Edited by I.G. Cowx). *Journal of Environmental Quality* 32:1150.

INVITED PRESENTATIONS:

- Drought legacies and challenges for native fish conservation. Wichita State University, March 2023.
- Megadroughts pose mega-risk to native fish in the American Southwest. Plenary Speaker. Colorado/Wyoming Chapter of the American Fisheries Society, March 2023
- What do we/don't we know about sediment and Kansas River ecology? Turbidity needs and issues relating to Kansas River reservoir sediment releases. Army Corps of Engineers, Kansas City District. August 2022.
- Prairie Stream Conservation: Get the Rejuvenation Started. Keynote address for Prairie Stream Fish Conservation Symposium, American Fisheries Society Annual Meeting, Baltimore, MD. November 2021.
- Predatory Fish Invasions: The Good, the Bad and the Ugly. Texas A&M University, June 2021.
- Alien predators in streams: scaling the ecology of fear from mesocosms to field surveys. Michigan State University, Department of Fisheries and Wildlife. February 2021.
- What do we/don't we know about sediment, the effect of sediment trapping or releases, and Kansas River ecology? U.S. Army Corps of Engineers workshop "Turbidity needs and issues relating to Kansas River reservoir sediment releases". August, 2020.
- Predatory Fish Invasions: The Good, the Bad and the Ugly. Iowa State University, June 2020.
- Managing aquatic resources in the Anthropocene. Plenary Speaker. Western Association of Fish and Wildlife Agencies 2019 Summer Meeting. Manhattan, KS, July 2019.
- Pockets of resistance: response of arid-land stream communities to climate, hydrology, and wildfire. Department of Natural Resources, Ecology and Management. Iowa State University, November 2018.

- Flint Hills Streams. Symphony on the Flint Hills: Prairie Pavilion Talk. Butler County, KS, June 2018.
- Vanishing rivers in the Great Plains: what can be done to halt the decline in aquatic biodiversity? 10th Symposium for European Freshwater Sciences, Olomouc, Czech Republic, July 2017.
- Vanishing rivers in the Great Plains: what can be done to halt the decline in aquatic biodiversity? Auburn University, Department of Biology, November 2016.
- Vanishing groundwater in the Great Plains: what can be done to halt the rapid decline in aquatic biodiversity? University of New Mexico, Department of Biology, March 2016.
- Vanishing groundwater in the Great Plains: what can be done to halt the rapid decline in aquatic biodiversity? University of Georgia, Odum School of Ecology, February 2016.
- Groundwater loss, dams, and drought ratchet down Great Plains stream fish communities. School of Natural Resources, University of Nebraska-Lincoln, May 2015.
- Groundwater loss, dams, and drought ratchet down Great Plains stream fish communities. Department of Zoology, University of Oklahoma, October 2014.
- Meta-community dynamics of desert fishes. Department of Zoology (Ecomunch seminar), University of Oklahoma, October 2014.
- Structural and functional connectivity of stream fishes in an unregulated desert stream. Joint Meeting of Aquatic Scientists. Portland, Oregon, May 2014.
- Metacommunity dynamics in the Gila River. Department of Zoology, University of Wisconsin, October 2013.
- Conservation of Freshwater Fishes. Special Session: The Future of Freshwater Science: an educational session for undergraduates. Society of Freshwater Science Annual Meeting, Jacksonville, Florida, May 2013.
- A metacommunity framework for conservation of Great Plains fishes. Department of Biology, University of North Texas, March 2013.
- A metacommunity framework for conservation of Great Plains fishes. Department of Wildlife and Fisheries Sciences, South Dakota State University, November 2012.
- A metacommunity framework for conservation of Great Plains fishes. Department of Biology, Truman State University, March 2012.
- Connecting the dots: integrating metacommunity and life history theories to enhance native fish conservation. Department of Wildlife and Fisheries Sciences, South Dakota State University, November 2012.
- Conservation of Great Plains Fishes. Plenary Talk. Oklahoma-Texas Aquatic Research Group/Great Plains Limnology Conference, University of Oklahoma Biological Station, October 2011.
- A Metacommunity Framework for Conservation of Great Plains Fishes. University of Missouri, Department of Fisheries and Wildlife Sciences, October 2011.
- Stream Fragmentation Thresholds for a Reproductive Guild of Great Plains Fishes, Great Plains Landscape Conservation Cooperative Webinar. July 2011.
- Long-Term Effects of Natural Flow Regime Mimicry on Native and Nonnative Fishes in the San Juan River, New Mexico and Utah. Keynote speaker. 32nd Annual Indiana Water Resources Association Conference, Muncie Illinois. June 2011.
- Response of arid river fish assemblages to environmental flow regulation. Southern Illinois University. April 2011.

- Recruitment dynamics of fishes in the San Juan River. U.S. Fish and Wildlife Fisheries Service, Fisheries Assistant Office. March 2011
- Quantity versus quality: response of arid river fish assemblages to environmental flow regulation. Keynote speaker, NSERC HydroNet Networking Symposium, Winnipeg, Canada. March 2011.
- Interactions of native and nonnative fishes under natural and modified flow regimes. Australian Rivers Institute, Griffith University, Brisbane, Australia. August 2010
- Context dependency of consumer effects in North American prairie streams. Charles Darwin University, Darwin, Australia. July 2010
- Scaling consumer effects across a riverscape: effects of disturbance, nutrient subsidies and trophic complexity on stream ecosystem function. University of Toronto. December 2008
- Scaling consumer effects across a riverscape: effects of disturbance, nutrient subsidies and trophic complexity on stream ecosystem function. University of Southern Mississippi. September 2008
- Scaling consumer effects across a riverscape: effects of disturbance, nutrient subsidies and trophic complexity on stream ecosystem function. Tulane University. September 2008
- Scaling consumer effects across a riverscape: effects of disturbance, nutrient subsidies and trophic complexity on stream ecosystem function. Sam Houston State University. April 2008
- Disturbance mediated effects of stream fishes. University of Arkansas. November 2007.
- Ecosystem services in prairie streams. Western Kentucky University. April 2007.
- Interactive effects of disturbance and species composition on stream ecosystem processes. Oklahoma State University. November 2006.
- Invasive species decouple predator-prey relations: implications for the survival of Colorado pikeminnow. University of Kansas. October 2006
- Conservation of non-coevolved fish assemblages. Emporia State University. January 2006.
- Conservation of non-coevolved fish assemblages. Colorado State University. December 2005.
- Platte-Kansas Partnership Planning Meeting. Kansas Aquatic GAP Overview. 2005. J. Falke, K. Gido, R. Oakes, W. Dodds
- Fish-habitat relationships across spatial scales in prairie streams. August 2004. Symposium: "Influences of Landscapes on Stream Habitats and Biological Communities". American Fisheries Society Annual Meeting, Madison, WI.
- Large-scale factors influencing fish assemblages in the Great Plains. February 2004. Ft. Hays State University, Hays, KS.
- Conservation of prairie stream fishes. December 2003. William Jewel College, Liberty, MO.
- Effects of hydrological processes on the ecology of intermittent prairie streams. September 2003. LTER All Scientist Meeting Workshop on Eco-hydrology, Seattle, WA.
- The use of ecohydrological models to classify conservation priority areas in the Great Plains, U.S.A. August 2003. International Long-term Research Conference, Warsaw, Poland.
- Patterns of Introduced Species in the Great Plains. February 2003. Kansas Aquaculture Association, McPherson, KS.
- Functional Role of Fishes in Ecosystems: How Important is Diversity? October 2002. Creighton University, Omaha, NE.
- Progress and Future Direction of Aquatic GAP in Kansas. August 2002. National Gap Analysis Program Annual Meeting, Sheperdstown, WV.

- Development of an Aquatic GAP program in Kansas. February 2002. Kansas Department of Wildlife and Parks Annual Meeting. Wichita, KS.
- Functional Role of Fishes in Ecosystems: How Important is Diversity? November 2001. Emporia State University.
- Environmental correlates to littoral-zone fish distributions in a large southern reservoir (Lake Texoma, Oklahoma-Texas). February 2001. Kansas Department of Wildlife and Parks Annual Meeting. Pittsburg, KS.
- Effects of large-bodied omnivorous fishes on benthic communities in reservoirs. 2000. North American Benthological Society Special Symposium: Wanted Dead or Alive: the role of fishes in benthic food webs.
- Ecosystem effects of omnivorous fishes in Lake Texoma, Oklahoma-Texas. 1999. University of Oklahoma, Zoology Departmental Seminar.
- Fish assemblages in reservoirs. 1997. North American Lake Management Society annual meeting (Reservoir Ecology Symposium).
- Movements of rainbow trout, *Oncorhynchus mykiss*, in response to experimental flows from Navajo Reservoir, New Mexico. 1993 AZ-NM AFS annual meeting (San Juan River Fisheries Symposium).