

Timothy H. Bonner

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EDUCATION:

Texas Tech University -- May 2000

Doctor of Philosophy, Fisheries Science

Secondary emphasis: Statistics

Major Advisor: Dr. Gene R. Wilde

Dissertation Title: Habitat use and reproductive ecology of the Arkansas River shiner and peppered chub in the Canadian River, New Mexico and Texas.

Texas State University- San Marcos -- August 1996

Master of Science, Biology

Minor: Aquatic Biology

Major Advisors: Drs. Thomas M. Brandt and Bobby G. Whiteside

Thesis Title: The effects of temperature on egg production and early life stages of the endangered fountain darter.

Texas A&M University -- May 1992

Bachelor of Science, Wildlife and Fisheries Science

Option: Fisheries Science

PROFESSIONAL EXPERIENCE:

Professor, Department of Biology, Texas State University (2012 – present)

Director, Aquatic Station, Department of Biology, Texas State University (2007 – 2012)

Associate Professor, Department of Biology, Texas State University (2007 – 2012)

Assistant Professor, Department of Biology, Texas State University (2001 – 2007)

Assistant Professor, Department of Biology, Northwestern State University (2000 – 2001)

Other:

Postdoctoral Research Associate, Texas Tech University (2000)

Research and Teaching Assistant, Texas Tech University (1996-2000)

Research and Teaching Assistant, Texas State University (1994-1996)

Experimental Biological Aide, Oregon Department of Fish and Wildlife (1992-1993)

PUBLICATIONS:

75. Clark, M. K., K. G. Ostrand, and T. H. Bonner. 2017. Implications of piscine predator control on the federally-listed fountain darter. *Fisheries Management and Ecology*.
74. Craig, C. A., B. M. Littrell, and T. H. Bonner. 2017. Population status and life history attributes of the Texas shiner *Notropis amabilis*. *American Midland Naturalist* 177:277-288.
73. Dautreuil, V. L. E., C. A. Craig, and T. H. Bonner. 2016. Persistence of *Etheostoma parvipinne* (Goldstripe Darter) in a single tributary on the periphery of its range. *Southeastern Naturalist* 15:28-32.
72. Bonner, T. H. 2016. *Pimephales vigilax* (bullhead minnow). *Invasive Species Compendium*, cabi.org.

71. Bonner, T. H. 2016. *Lucania parva* (rainwater killifish). Invasive Species Compendium, cabi.org
70. Cook-Hildreth, C., T. H. Bonner, D. G. Huffman. 2016. Reproductive biology of an exotic suckermouth armored catfish (Loricariidae) in the San Marcos River, Hays Co., Texas, with observations on environmental triggers. *Bioinvasion Records* 5:173-183.
69. Craig, C.A., K. A. Kollaus, K. P. K. Behen, and T.H. Bonner. 2016. Relationships among spring flow, habitats, and fishes within evolutionary refugia of the Edwards Plateau. *Ecosphere* 7:1-13.
68. McDonald, D. L., T. H. Bonner, P. D. Cason, B. W. Bumguardner, and S. Bonnot. 2016. Effects of three cold weather event simulations on early life stages of Southern Flounder (*Paralichthys lethostigma*). *Journal of Applied Aquaculture* 28:26-34.
67. Robertson, S. M, J. N. Fries, and T. H. Bonner. 2016. Effects of habitat utilization on the reproduction of two imperiled, sympatric *Dionda* (Cyprinidae) in the Rio Grande Basin, Texas. *American Midland Naturalists* 175:222-232.
66. Perkin, J. S. and T. H. Bonner. 2016. Historical changes in fish assemblage composition following water quality improvement in the mainstem Trinity River of Texas. *Rivers Research and Application* 32:85-99.
65. Phillips, M. B. and T.H. Bonner. 2015. Occurrence and amount of microplastic ingested by fishes in watersheds of the Gulf of Mexico. *Marine Pollution Bulletin* 100:264-269.
64. Labay, B. J., D. A. Hendrickson, A. E. Cohen, T. H. Bonner, R. S. King, L. Kleinsasser, G. Linam, and K. W. Winemiller. 2015. Can species distribution models aid bioassessment when reference sites are lacking? Tests based on freshwater fishes. *Environmental Management* 56:835-846.
63. Craig, C. A., C. R. Vaughn, D. S. Ruppel, and T. H. Bonner. 2015. Occurrence of Brown Bullhead in Texas. *Southeastern Naturalist* 14:35-37.
62. Diaz, P, J. N. Fries, T. H. Bonner, M. Alexander, W. H. Nowlin. 2015. Mesohabitat associations of the threatened San Marcos salamander (*Eurycea nana*) across its geographic range. *Aquatic Conservation: Marine and Freshwater Ecosystems* 25:307-321.
61. Curtis, S. G., J. S. Perkin, P. T. Bean, M. S. Sullivan, and T. H. Bonner. 2015. Guadalupe bass *Micropterus treculii* (Valliant & Boucourt, 1874). Pages 55-60 in M. D. Tringali, J. M. Long, T. W. Birdsong, and M. S. Allen, editors. Black bass diversity: multidisciplinary science for conservation. American Fisheries Society, Symposium 82, Bethesda, Maryland.
60. Kollaus, K. A., K. P. K. Behen, T. C. Heard, T. B. Hardy, and T. H. Bonner. 2015. Influence of urbanization on a karst terrain stream and fish community. *Urban Ecosystem* 18:293-320.
59. Nichols, H. T. and T. H. Bonner. 2014. First record and habitat associations of *Spongilla cenota* (Class Demospongiae) within streams of the Edwards Plateau. *Southwestern Naturalist* 59: 465-470.
58. Becker, J. C., K. J. Rodibaugh, B. J. Labay, T. H. Bonner, Y. Zhang, and W. H. Nowlin. 2014. Influence of land use and physiographic gradients on nutrients in a Gulf Slope (USA) river system. *Freshwater Science* 33:731-744.
57. Henn, M., H. T. Nichols, Y. Zhang, and T. H. Bonner. 2014. Effect of artificial light on the drift of aquatic insects in urban central Texas streams. *Journal of Freshwater Ecology* 29:307-318. Editor's Choice Article
56. Sullivan, M. L., Y. Zhang, T. H. Bonner. 2014. Carbon and nitrogen ratios of aquatic and terrestrial prey for freshwater fishes. *Journal of Freshwater Ecology* 29:259-266.
55. Bonner, T. H. 2014. Silverband Shiner, *Notropis shumardi* (Girard 1856). Pages 220-221. In *Kansas Fishes Committee*. Kansas Fishes. University Press of Kansas, Lawrence.

54. Bonner, T. H. 2014. River Darter, *Percina shumardi* (Girard 1859). Pages 430-431. *In* Kansas Fishes Committee. Kansas Fishes. University Press of Kansas, Lawrence.
53. Ryan, T. A., A. N. Kohl, D. J. Soucek, T. S. Smith, T. M. Brandt, T. H. Bonner, and D. M. Cropek. 2013. Short term effects of military fog oil on the fountain darter (*Etheostoma fonticola*). *Archives of Environmental Contamination and Toxicology* 65:790-797.
52. Perkin, J. S., Z. R. Shattuck, J. E. Gerken, and T. H. Bonner. 2013. Fragmentation and drought legacy correlated with distribution of Burrhead Chub in subtropical streams of North America. *Transactions of the American Fisheries Society* 142:1287-1298.
51. Sha, Q, M. R. J. Forstner, T. H. Bonner, D. Hahn. 2013. Salmonellae in fish feces analyzed by in situ hybridization and quantitative polymerase chain reaction. *Journal of Aquatic Animal Health* 25:184-190.
50. Dammeyer, N. T., C. T. Phillips, and T. H. Bonner. 2013. Site fidelity and movement of the smallest etheostomine darter with implications for endangered species management. *Transactions of the American Fisheries Society* 142:1049-1057.
49. Sullivan, M. L., Y. Zhang, T. H. Bonner, and J. Tomasso. 2013. Temperature modulation of growth and physiology of juvenile Guadalupe bass. *North American Journal of Aquaculture* 75:373-376.
48. Bean, P. T., D. J. Lutz-Carrillo, and T. H. Bonner. 2013. Range-wide survey of the introgressive status of Guadalupe bass *Micropterus treculii*: implications for conservation and management. *Transactions of the American Fisheries Society* 142:681-689.
47. Bonner, T. H. 2013. Book review: *Fishes of Central US* by J. R. Tomelleri and M. E. Eberle. *Great Plains Research* 23:81.
46. Gaertner, J., D. Brown, M. R. J. Forstner, T. H. Bonner, D. Hahn. 2012. Geographic variation in *Batrachochytrium dendrobatidis* occurrence among populations of *Acris crepitans blanchardi* in Texas, USA. *Herpetological Review* 43:150-159.
45. Sullivan, M. L., Y. Zhang, and T. H. Bonner. 2012. Terrestrial subsidies in the diets of stream fishes of the USA: comparisons among taxa and morphology. *Marine and Freshwater Research* 63:409-414.
44. 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. *American Currents* 37:11-21.
43. Heard, T. C., J. S. Perkin, and T. H. Bonner. 2012. Intra-annual variation in fish communities and habitat associations in a Chihuahua Desert reach of the Rio Grande/Rio Bravo Del Norte. *Western North American Naturalist* 72:1-15.
42. Perkin, J. S., Z. R. Shattuck, and T. H. Bonner. 2012. Life history aspects of a relic ironcolor shiner *Notropis chalybaeus* population in a novel spring environment. *American Midland Naturalist* 167:111-126.
41. Kollaus, K. A., and T. H. Bonner. 2012. Habitat associations of a semi-arid fish community in a karst spring-fed stream. *Journal of Arid Environments* 76:72-79.
40. Fleming, B. P., D. G. Huffman, T. H. Bonner, and T. M. Brandt. 2011. Metacercarial distribution of *Centrocestus formosanus* (Digenea: Heterophyidae) among fish hosts in the Guadalupe River drainage of Texas. *Journal of Aquatic Animal Health* 23:117-124.
39. Bean, P. T., J. T. Jackson, D. J. McHenry, T. H. Bonner, M. R. J. Forstner. 2011. Rediscovery of headwater catfish, *Ictalurus lupus* (Ictaluridae) in a western gulf slope drainage. *Southwestern Naturalist* 56:285-289.
38. 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. *Rivers Research and Application* 27:566-579.

37. Pound, K. L., W. H. Nowlin, D. G. Huffman, and T. H. Bonner. 2011. Trophic ecology of a nonnative population of suckermouth catfishes (*Hypostomus plecostomus*) in a central Texas spring-fed stream. *Environmental Biology of Fishes* 90:277-285.
36. Bean, P. T., C. S. Williams, P. H. Diaz, and T. H. Bonner. 2010. Habitat associations, life history, and diet of the blackspot shiner, *Notropis atrocaudalis*. *Southeastern Naturalist* 9:673-686.
35. Smith, A., M. Chumchal, T. H. Bonner, and W. H. Nowlin. 2010. Mercury contamination of the Rio Grande/Rio Bravo Del Norte fish community: spatial variation and influence of environmental gradients. *Environmental Toxicology and Chemistry* 29:1762-1772.
34. Bean, M.G. and T. H. Bonner. 2010. Spatial and temporal distribution of *Bothriocephalus acheilognathi* (Cestoda: Bothriocephalidea) in the Rio Grande (Río Bravo del Norte). *Journal of Aquatic Animal Health* 22:182-189.
33. 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* 30:33 – 46.
32. Watson, J. M., C. Sykes, T. H. Bonner. 2009. Gut contents of age-0 Rio Grande silvery minnow *Hybognathus amarus* reared in hatchery ponds. *Southwestern Naturalist* 54:475-479.
31. Bean, M. G., and T. H. Bonner. 2009. Impact of *Bothriocephalus acheilognathi* (Cestoda: Pseudophyllidea) on *Cyprinella lutrensis* condition and reproduction. *Journal of Freshwater Ecology* 24:283-291
30. 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* 162:276-288.
29. Bean, P. T., M. G. Bean, and T. H. Bonner. 2009. Threatened fishes of the world: *Moxostoma congestum* (Catostomidae). *Environmental Biology of Fishes* 85:173-174.
28. Leavy, T. R. and T. H. Bonner. 2009. Relationships among swimming ability, current velocity associations, and morphology for freshwater lotic fishes. *North American Journal of Fisheries Management* 29:72-83.
27. Small, M. F., T. H. Bonner, and J. T. Baccus. 2009. Hydrologic alteration of the lower Rio Grande terminus: a quantitative assessment. *River Research and Application* 25:241-252.
26. Bonner, T. H. and P. T. Bean. 2008. Threatened fishes of the world: *Micropterus treculii* (Centrarchidae). *Environmental Biology of Fishes* 83:367-368
25. Gaertner, J., P. E. Wheeler, S. Obafemi, J. Valdez, M. R. J. Forstner, T. H. Bonner, D. Hahn. 2008. Detection of salmonellae from fish in a natural river system. *Journal of Aquatic Animal Health* 20:150-157.
24. Bean, P. T. and T. H. Bonner. 2008. Reproductive ecology and diet of the gray redbreast (Catostomidae) in a Hill Country stream and reservoir. *Journal of Freshwater Ecology* 23:397-404.
23. Bonner, T. H., J. M. Watson, and C. S. Williams. 2008. Threatened fishes of the world: *Cyprinella proserpina* (Cyprinidae). *Environmental Biology of Fishes* 81:365-366.
22. Bean, P. T., T. H. Bonner, and B. M. Littrell. 2007. Spatial and temporal patterns in the fish assemblage of the Blanco River, Texas. *Texas Journal of Science* 59:179-200.
21. Hulbert, J., T. H. Bonner, J. N. Fries, G. P. Garrett, and D. R. Pendergrass. 2007. Early development of *Dionda diaboli* (Cyprinidae). *Southwestern Naturalist* 52:378-385.
20. Littrell, B. M., D. Lutz-Carrillo, T. H. Bonner, and L. T. Fries. 2007. Status of an introgressed Guadalupe bass population in a central Texas stream. *North American Journal of Fisheries Management* 27:785-791.

19. Bean, M. G., A. Škeříková, T. H. Bonner, T. Scholz, and D. Huffman. 2007. First record of *Bothriocephalus acheilognathi* (Cestoda: Pseudophyllidea) in the Rio Grande with comparative ITS2 and V4-18S rDNA sequencing. *Journal of Aquatic Animal Health* 19:71-76.
18. McDonald, D. L., T. H. Bonner, E. L. Oborny, Jr. and T. M. Brandt. 2007. Effects of fluctuating temperatures and gill parasites on reproduction of the fountain darter, *Etheostoma fonticola*. *Journal of Freshwater Ecology* 22:311-318.
17. Williams, L.R., M.G. Williams, J.D. Hudson III, V. Campbell-Arvai, and T. H. Bonner. 2007. Evaluation of a stream system after clearcut logging disturbance in the Gulf coastal plain. *Journal of Freshwater Ecology* 22:119-133.
16. Thomas, C., T. H. Bonner, and B. G. Whiteside. 2007. *Freshwater Fishes of Texas: A Field Guide*. Texas A&M University Press. 216 pp.
15. Williams, C. S., and T. H. Bonner. 2006. Threatened fishes of the world: *Notropis sabiniae* (Cyprinidae). *Environmental Biology of Fishes* 80:7-8.
14. Lutz-Carrillo, D. J., C. C. Nice, T. H. Bonner, M. R. J. Forstner, and L. T. Fries. 2006. Admixture analysis of Florida largemouth bass and northern largemouth bass using microsatellite loci. *Transactions of the American Fisheries Society* 135:779-791.
13. McDonald, D. L., T. H. Bonner, T. M. Brandt, and G. H. Trevino. 2006. Size susceptibility to trematode-induced mortality in the endangered fountain darter (*Etheostoma fonticola*). *Journal of Freshwater Ecology* 21:293-299.
12. Williams, C. S. and T. H. Bonner. 2006. Habitat associations, life history, and diet of the Sabine shiner *Notropis sabiniae* in an east Texas drainage. *American Midland Naturalist* 155:84-102.
11. Patrikeev, M., T. H. Bonner, and G. M. Trujillo. 2005. Occurrence of the river shiner *Notropis blennioides* in Lake Meredith, Texas. *Southwestern Naturalist* 50:488-490.
10. Bonner, T. H. and D. L. McDonald. 2005. Threatened fishes of the world: *Etheostoma fonticola* (Percidae). *Environmental Biology of Fishes* 73:333-334.
9. Williams, L. R., T. H. Bonner, J. D. Hudson, M. G. Williams, T. R. Leavy, and C. S. Williams. 2005. Interactive effects of environmental variability and military training on stream biota of three headwater drainages in Western Louisiana. *Transactions of the American Fisheries Society* 134:192-206.
8. Bonner, T. H., C. Thomas, C. S. Williams, and J. P. Karges. 2005. Temporal assessment of a west Texas stream fish assemblage. *Southwestern Naturalist* 50:74-78.
7. Littrell, B. M., C. Thomas, C. S. Williams, and T. H. Bonner. 2003. Gut contents of the headwater catfish *Ictalurus lupus* from two West Texas streams. *Texas Journal of Science* 55:323-328.
6. Bonner, T. H., and G. R. Wilde. 2002. The effect of turbidity on prey consumption by prairie stream fishes. *Transactions of the American Fisheries Society* 131:1203-1208.
5. Durham, B. W., T. H. Bonner, and G. R. Wilde. 2002. Occurrence of *Lernaea cyprinacea* on Arkansas River shiners and peppered chubs in the Canadian River, New Mexico and Texas. *Southwestern Naturalist* 47:95-98.
4. Wilde, G. R., T. H. Bonner, and P. J. Zwank. 2001. Diets of the Arkansas River shiner and peppered chub in the Canadian River, New Mexico and Texas. *Journal of Freshwater Ecology* 16:403-410.
3. Bonner, T. H., and G. R. Wilde. 2000. Changes in the fish assemblage of the Canadian River, Texas, associated with reservoir construction. *Journal of Freshwater Ecology* 15:189-198.
2. Wilde, G. R., and T. H. Bonner. 2000. First records of the suckermouth minnow *Phenacobius mirabilis* in Canadian River, Texas. *Texas Journal of Science* 52:71-74.

1. Bonner, T. H., T. M. Brandt, J. N. Fries, and B. G. Whiteside. 1998. Temperature effects on egg production and early life stages of the fountain darter. *Transactions of the American Fisheries Society* 127:971-978.

ONLINE PUBLICATIONS:

- Hassan-Williams, C., C. L. Thomas, and T. H. Bonner. 2008. Identification and information for Texas fishes. (<http://txstate.fishesoftexas.org/>)

PROFESSIONAL PRESENTATIONS (last five years)

Ruppel, D. S. and T. H. Bonner. 2017. Distribution, abundance, and life history of the Prairie Chub. Texas Chapter of the American Fisheries Society- Corpus Christi, TX (oral presentation)

Maikoetter, J. D., C. A. Craig, and T. H. Bonner. 2017. Influence of water temperature on feeding competition of spring associated and riverine-associated fishes of the Edwards Plateau. Texas Chapter of the American Fisheries Society- Corpus Christi, TX (oral presentation)

Hahn, N. M., C. A. Craig, and T. H. Bonner. 2017. Rapid quantitative assessment to identify imperiled fishes. Texas Chapter of the American Fisheries Society-Corpus Christi TX (oral presentation)

Sotola, V.A., D.S. Ruppel, T.H. Bonner, and N.H. Martin. 2017. Morphometrics as a descriptor of potential hybridization between prairie chub (*Macrhybopsis australis*) and shoal chub (*M. hyostoma*). Texas Chapter of the American Fisheries Society- Corpus Christi, TX (oral presentation)

Craig, C. A and T. H. Bonner. 2017. Fish assemblage structure and associations on a spring flow gradient within the upper Nueces drainage basin. Texas Chapter of the American Fisheries Society- Corpus Christi, TX (oral presentation)

Craig, C. A., D. S. Ruppel, and T. H. Bonner. 2017. An assessment of fish vulnerability to climate change. Texas Chapter of the American Fisheries Society- Corpus Christi, TX (poster presentation)

Sotola, V.A., C.A. Craig, and T.H. Bonner. 2017. Shared morphologies of spring-associated fishes of the Edwards Plateau. Texas Chapter of the American Fisheries Society- Corpus Christi, TX (poster presentation)

Craig C. A., N. M. Hahn, and T. H. Bonner. 2017. Drainage basin keys for inland fishes of Texas. Texas Chapter of the American Fisheries Society- Corpus Christi, TX (poster presentation)

Beckman, A. M., C. A. Craig, D. S. Ruppel, and T. H. Bonner. 2017. Validation of environmental flow standards. Texas Chapter of the American Fisheries Society- Corpus Christi, TX (poster presentation)

Ruppel, D. S., B. Littrell, and T. H. Bonner. 2016. Validation of environmental flow regimes in the Brazos, Guadalupe, and San Antonio rivers. American Fisheries Society-Kansas City MO (oral presentation)

Craig, C. A. and T. H. Bonner. 2016. Relationship between base flow and fish communities within karst spring complexes. American Fisheries Society-Kansas City MO (oral presentation)

Craig, C. A., D. S. Ruppel, and T. H. Bonner. 2016. An assessment of fish vulnerability to climate change. American Fisheries Society-Kansas City MO (poster presentation)

Craig, C. A., B. M. Littrell, and T. H. Bonner. 2016. Population status and life history attributes of the Texas Shiner *Notropis amabilis*. Texas Chapter of the American Fisheries Society-Kerrville (poster presentation)

Craig, C. A., C. M. Scanes, J. D. Maikoetter, and T. H. Bonner. 2016. Life-history characteristics and diversification within freshwater fishes of North America. Texas Chapter of the American Fisheries Society-Kerrville (poster presentation)

- Scanes, C. M, D. S. Ruppel, B. Littrell, and T. H. Bonner. 2016. Fish community and habitat assessments within an urbanized spring-fed stream of the Edwards Plateau. Texas Chapter of the American Fisheries Society-Kerrville (oral presentation)
- Craig, C. A. and T. H. Bonner. 2016. Impacts of urbanization on spring fish communities. Texas Chapter of the American Fisheries Society-Kerrville (oral presentation)
- Ruppel, D. S., B. Littrell, and T. H. Bonner. 2016. Validation of environmental flow regimes in the Brazos, Guadalupe, and San Antonio rivers. Texas Chapter of the American Fisheries Society-Kerrville (oral presentation)
- Phillips, M. B. and T. H. Bonner. 2015. The occurrence and amount of microplastics ingested by fishes in watersheds of the Gulf of Mexico. American Fisheries Society-Portland OR (oral presentation)
- Nichols, H., K. Ostrand, and T. Bonner. 2015. Discharge and habitat mediated effects on Fountain Darter reproduction. American Fisheries Society-Portland OR (oral presentation)
- Ruppel, D, E. Cowles, B. Littrell, and T. H. Bonner. 2015. Validation of environmental flow regimes in Brazos, Guadalupe, and San Antonio rivers. American Fisheries Society-Portland OR (oral presentation)
- Clark, M. K. and T. H. Bonner. 2015. Effects of predation on Fountain Darters under low flow conditions. American Fisheries Society-Portland OR (oral presentation)
- Ruppel, D., C. Vaughn, H. Nichols, and T. Bonner. 2015. Validation of an instream flow recommendation using larval fish diets. American Fisheries Society-Portland OR (oral presentation)
- Scanes, C., Ruppel, B. Littrell, and T. Bonner. 2015. Fish community and habitat assessments within an urbanized spring-fed stream of the Edwards Plateau. American Fisheries Society-Portland OR (poster presentation)
- Craig, C.A., K. A. Kollaus, K. P. K. Behen, and T.H. Bonner. 2015. Relationships among spring flow, habitats, and fishes within evolutionary refugia of the Edwards Plateau. American Fisheries Society-Portland OR (oral presentation)
- McDonald, D. L., T. H. Bonner, P. D. Cason, B. W. Bumguardner, and S. Bonnot. 2015. Cold weather simulation on hatchery propagated premetamorphic larvae and postmetamorphic juvenile Southern Flounder. American Fisheries Society-Portland OR (oral presentation)
- Scanes, C. M., D. Ruppel, B. Littrell, and T. H. Bonner. 2015. Fish community and habitat assessments within an urbanized spring-fed stream. Southwestern Association of Naturalists. San Diego, CA (poster presentation)
- Cowles, E. S., D. S. Ruppel, B. Littrell, and T. H. Bonner. 2015. Validation of environmental flow regimes in Brazos, Guadalupe, and San Antonio rivers. Southwestern Association of Naturalists. San Diego, CA (poster presentation)
- Clark, M. K. and T. H. Bonner. 2015. Effects of predation on Fountain Darters under low flow conditions. Southwestern Association of Naturalists. San Diego, CA (oral presentation)
- Craig C., T.H. Bonner, K. Kollaus, K Behen. 2015. Relationship Between Spring Flow and Spring Fish Communities. Southwestern Association of Naturalists. San Diego, California. (Oral presentation)
- Ruppel, D., C. Vaughn, H. Nichols, and T. Bonner. 2015. Validation of an instream flow recommendation using larval fish diets. Southwestern Association of Naturalists. San Diego, California. (Oral presentation)
- Craig C., T.H. Bonner. 2015. Impacts of Urbanization on Spring Fish Communities. Southwestern Association of Naturalists. San Diego, California. (Oral presentation)
- Phillips, M. B. and T. H. Bonner. 2015. The occurrence and amount of microplastics ingested by fishes in watersheds of the Gulf of Mexico. Southwestern Association of Naturalists. San Diego, CA (oral presentation)

- Nichols, H., K. Ostrand, and T. Bonner. 2015. Discharge and habitat mediated effects on Fountain Darter reproduction. Southwestern Association of Naturalists. San Diego, California. (Oral presentation)
- Craig, C. A., S. K. A. Kollaus, K. P. K. Behen, and T. H. Bonner. 2014. Relationships Between Spring Run Discharge and Spring-associated Fishes in the Karst Edwards Plateau Region. Texas Chapter of the American Fisheries Society. Pottsboro (oral presentation)
- Phillips, M. B., and T. H. Bonner. 2014. The Occurrence and Amount of Microplastics Ingested by Fish in the Watersheds of the Gulf of Mexico. Texas Chapter of the American Fisheries Society. Pottsboro (oral presentation)
- Ruppel, D. S., C. Vaughn, A. Grubh, S. McMillan, G. Linam, and T. H. Bonner. 2014. Diets of Larval Fishes Between Slack Water Habitats During the Day and Swift Water Habitats at Night. Texas Chapter of the American Fisheries Society. Pottsboro (oral presentation)
- Sullivan, M. L., Y. Zhang, and T. H. Bonner. 2014. An Investigation into the Nutritional Value of Aquatic versus Terrestrial Prey for Freshwater Fishes. Texas Chapter of the American Fisheries Society. Pottsboro (oral presentation)
- Vaughn, C., D. Ruppel, A. Grubh, S. McMillan, G. Linam, and T. H. Bonner. 2014. Validating Environmental Flow Recommendations with Regards to CPOM, Macroinvertebrates, and Larval Fish Drift in the Lower Guadalupe and San Antonio Rivers. Texas Chapter of the American Fisheries Society. Pottsboro (oral presentation)
- Henn, M., H. Nichols, Y. Zhang, and T. H. Bonner. 2014. Effect of Artificial Light on the Drift of Aquatic Insects in Urban Central Texas Streams. Texas Chapter of the American Fisheries Society. Pottsboro (oral presentation)
- Nichols, H. T., and T. H. Bonner. 2014. First Record and Habitat Associations of *Spongilla cenota* (Class Demospongiae) within Streams of the Edwards Plateau, Texas, USA. Texas Chapter of the American Fisheries Society. Pottsboro (poster presentation)
- Labay, B. J., D. A. Hendrickson, A. E. Cohen, T. H. Bonner, R. King, L. Kleinsasser, G. Linam, K. Winemiller. 2013. Toward bioassessment without reference sites using species distribution modeling. Southwestern Association of Naturalists. McNeese State University (poster presentation)
- Linam, G. W., S. Magnelia, T. H. Bonner, S. McMillan, C. A. Craig, E. Moran, S. Lusk, and R. Ranft. 2013. Re-establishment of Guadalupe bass in two central Texas rivers. Southern Division of the American Fisheries Society. Nashville (oral presentation)
- Curtis, S. G., K. P. Behen, and T. H. Bonner. 2013. Effects of a declining hydrograph on instream habitats and fish communities in a semi-arid karstic stream. Southern Division of the American Fisheries Society. Nashville (oral presentation)
- Vaughn, C., D. Ruppel, A. Grubh, S. McMillan, G. Linam, and T. H. Bonner. 2013. Effects of base flow and high flow pulses on drifting CPOM, macroinvertebrates, and larval fishes. Southern Division of the American Fisheries Society. Nashville (poster presentation)
- Eaton, V., S. Curtis, and T. H. Bonner. 2013. Assessment of wildfire effects on fishes of the Texas gulf slope drainages using a conceptual framework. Southern Division of the American Fisheries Society. Nashville (poster presentation)
- Kollaus, K. A., K. P. K. Behen, T. B. Hardy, T. C. Heard, and T. H. Bonner. 2013. Influence of water temperature on fish distributions within a Texas spring-fed stream. Texas Chapter of the American Fisheries Society. Lake Conroe (oral presentation)
- Eaton, V., K. Ridenour, S. Curtis, and T. H. Bonner. 2013. Conceptual framework to assess the effects of wildland fire on fishes of the Texas Gulf Slope Drainages. Texas Chapter of the American Fisheries Society. Lake Conroe (oral presentation)

- Curtis, S. G., K. P. Behen, and T. H. Bonner. 2013. Instream habitat and biological responses to low flow conditions in a semi-arid karstic stream. Texas Chapter of the American Fisheries Society. Lake Conroe (oral presentation)
- Perkin, J. S., Z. R. Shattuck, J. E. Gerkin, and T. H. Bonner. 2013. Stream fragmentation and drought legacy determine distribution of Burrhead Chub in subtropical streams. Texas Chapter of the American Fisheries Society. Lake Conroe (oral presentation)
- Vaughn, C., D. Ruppel, A. Grubh, S. McMillan, G. Linam, and T. H. Bonner. 2013. Effects of base flow and high flow pulses on drifting CPOM, macroinvertebrates, and larval fishes. Texas Chapter of the American Fisheries Society. Lake Conroe (poster presentation)
- Sullivan, M., Y. Zhang, T. H. Bonner. 2012. Variation in cyprinid feeding habits mediated by habitat and morphology. American Fisheries Society. St. Paul (oral presentation)
- Eaton, V. K. Ridenour, S. G. Curtis, T. H. Bonner. 2012. Conceptual framework to assess the effects of wildland fire and fire suppression tactics on aquatic communities. Texas Chapter of the American Fisheries Society. Galveston (poster presentation)
- Behen, K. P. K., S. G. Curtis, M. L. Sullivan, and T. H. Bonner. 2012. Influences of bioenergetics on the habitat associations of two Texas darters. Texas Chapter of the American Fisheries Society. Galveston (poster presentation)
- Labay, B.J., D. A. Hendrickson, A. E. Cohen, T. H. Bonner, and L.J. Kleinsasser. 2012. Exploring the potential of species distribution models for bioassessment without reference sites. Texas Chapter of the American Fisheries Society. Galveston (poster presentation)
- Sullivan, M. L., Y. Zhang, and T. H. Bonner. 2012. Terrestrial subsidies in the diet of stream fishes of the USA: comparisons among taxa and morphology. Texas Chapter of the American Fisheries Society. Galveston (oral presentation)
- Behen, K. P. K., S. G. Curtis, K. A. Kollaus, T. B. Hardy, and T. H. Bonner. 2012. Effects of recreational activities on the spatial and temporal trends in habitat associations for the fish assemblage of the San Marcos River. Texas Chapter of the American Fisheries Society. Galveston (oral presentation)
- Curtis, S. G., K. P. K. Behen, and T. H. Bonner. 2012. Effects of groundwater and spring influenced communities on downstream riverine assemblages in the Llano River. Texas Chapter of the American Fisheries Society. Galveston (oral presentation)
- Perkin, J. S., N. Dammeyer, and T. H. Bonner. 2012. Long-term changes in water quality and fish assemblage composition in the Trinity River, Texas. Texas Chapter of the American Fisheries Society. Galveston (oral presentation)
- Kollaus, K. A., K. P. K. Behen, T. B. Hardy, T. C. Heard, J. M. Tenant, and T. H. Bonner. 2012. Influence of watershed and instream alterations on the upper San Marcos River fish assemblage. Texas Chapter of the American Fisheries Society. Galveston (oral presentation)
- Bean, P. T., D. Lutz-Carrillo, and T. H. Bonner. 2012. Population genetic structure of the Guadalupe bass. Texas Chapter of the American Fisheries Society. Galveston (oral presentation)

STUDENT SUPERVISION (Major advisor):

40. **Nicky Hahn.** (BS Louisiana Tech University). 2017. Rapid quantitative assessment to assist in identification of imperiled fishes. M.S. Thesis.
39. **Cory M. Scanes.** (BS Texas State University). 2016. Fish community and habitat assessments within an urbanized spring complex of the Edwards Plateau. M.S. Thesis.

- current position: fish biologist, University of Houston-Clear Lake, Environmental Institute of Houston.
38. **Harlan T. Nichols** (BS Texas State University). 2015. Spring flow and habitat-mediated effects on reproductive effort of the Fountain Darter. M. S. Thesis.
-current position: Fish Biologist, Pond King. Gainesville Tx.
 37. **Myranda K. Clark** (BS Missouri State University). 2015. Testing of trophic cascade within a headwater spring community: implications for water quantity management. M. S. Thesis.
- current position: Fish Biologist, Florida Fish and Wildlife Conservation Commission, Cedar Keys.
 36. **Cody A. Craig** (BS Texas Tech University). 2014. Relationship between base flow magnitude and spring fish communities. M. S. Thesis
- current position: Ph.D. – Aquatic Resources Program, Texas State University
 35. **Melissa B. Phillips** (BA University of Leeds). 2014. Occurrence and amount of microplastics ingested by fishes in watersheds of the Gulf of Mexico. M. S. Thesis
 34. **Christopher R. Vaughn** (BS Texas A&M University). 2014. Validating environmental flow recommendations: drifting coarse particulate matter, macroinvertebrates, and larval fishes. M. S. Thesis.
- current position: Aquatic Biologist. San Antonio River Authority.
 33. **David S. Ruppel** (BS Northern Michigan University). 2014. Flow and current velocity mediated diets of larval fishes. M. S. Thesis.
- current position: Ph.D. – Aquatic Resources Program, Texas State University
 32. **Virginia E. Dautreuil** (BS Virginia Tech University). 2013. Conceptual framework to assess the effects of wildfire on aquatic systems of the semi- arid and arid regions of the western gulf slope drainages. M. S. Thesis.
- current position: Natural Resources Analyst, Massachusetts Department of Conservation and Recreation
 31. **Kenneth P. K. Behen** (BS University of Washington). 2013. Influence of connectivity and habitat on fishes of the upper San Marcos River. M.S. Thesis.
- current position: Fisheries Biologist, Washington Department of Fish and Wildlife
 30. **Monika J. Henn** (BS University of Virginia). 2013. Effects of artificial light on the drift of macroinvertebrates in urban central Texas streams. M.S. Thesis (Co-advisor with Dr. Y. Zhang).
- current position: Analyst. Urban Land Institute, Greenprint Center for Building Performance. New York.
 29. **Mario L. Sullivan** (BS Colorado State, MS Western Kentucky State). 2013. The role of terrestrial subsidies in fish communities with a particular focus upon cyprinids. Ph.D. Dissertation (Co-advisor with Dr. Y. Zhang).
- current position: Faculty, Colorado Northwestern Community College
 28. **Preston T. Bean** (BS Texas Tech University; MS Texas State University). 2012. Introgressive status, population genetic structure, phylogeographic history and individual-level resource specialization of the Guadalupe bass *Micropterus treculii*. Ph.D. Dissertation.
- current position: Research Biologist, Texas Parks and Wildlife
 27. **Robert J. Maxwell** (BS Texas State University). 2012. Patterns of endemism and species richness of fishes of the western gulf slope. M.S. Thesis.
- current position: Fisheries Biologist, Louisiana Department of Wildlife and Fisheries
 26. **Stephen Curtis** (BS Texas A&M University). 2012. Effects of dry baseflow conditions in a declining hydrograph on instream habitats and fish communities in a semi-arid karstic stream. M.S. Thesis.
- current position: Fisheries Biologist, Texas Parks and Wildlife-Inland Fisheries, San Marcos
 25. **Sarah McMillan** (BS Texas State University). 2011. Reproductive and feeding ecology of two sympatric *Dionda* (Cyprinidae) in the Rio Grande basin, Texas. M.S. Thesis.
- current position: Fisheries Biologist, Texas Parks and Wildlife-Inland Fisheries, San Marcos
 24. **Tom Ryan** (BS Texas A&M University). 2011. Short term effects of military fog oil on fish. M.S. Thesis

- positions: River Systems Institute, Texas State University and USFWS-San Marcos Aquatic Research Center
23. **Casey S. Williams** (BS Northwestern State University; MS Texas State University). 2011. Life history characteristics and larval drift patterns of obligate riverine species in the Lower Brazos River, Texas. Ph.D. Dissertation.
 - current position: Associate Professor, Valley City State University, North Dakota
 22. **Nathan Dammeyer** (BS Purdue University). 2010. Movement patterns of *Etheostoma fonticola* in a headwater stream. M.S. Thesis
 - current position: National Park Service, Virginia
 21. **Benjamin Labay** (BS University of Texas). 2010. The influence of land use, zoogeographic history, and physical habitat on fish community diversity in the lower Brazos watershed. M.S. Thesis
 - current position: UT Memorial Museum Ichthyology Collection
 20. **Zachary Shattuck** (BS Colorado State University). 2010. Spatiotemporal patterns of fish and aquatic insects in an urbanized watershed of Central Texas. M.S. Thesis
 - current position: Native Species Coordinator; Montana Fish, Wildlife, and Parks.
 19. **Clara Folb** (BS Ohio State University). 2010. Reproductive seasons and life histories of three Texas *Percina* (Actinopterygii). M.S. Thesis
 - current position: Pursuing health services specialty degree.
 18. **Kristy Kollaus** (BS Texas State University). 2009. Fish assemblage structure and habitat associations in a Texas spring-fed river. M.S. Thesis
 - current position: Fisheries Biologist, Meadows Center, Texas State University
 17. **Josh Perkin** (BS Texas State University). 2009. Historical composition and long-term trends of fish assemblages in two Texas rivers and microhabitat associations and movement of Guadalupe bass *Micropterus treculii* in the Pedernales and South Llano rivers. M.S. Thesis.
 - current position: Assistant Professor, Tennessee Tech University
 16. **Tom Heard** (BS Texas State University). 2008. Spatial and temporal patterns in a Chihuahua Desert fish assemblage. M.S. Thesis.
 - current position: Fisheries Biologist, Meadows Center, Texas State University
 15. **Megan Bean** (BS Texas State University). 2008. Occurrence and impact of the giant Asian tapeworm in the Rio Grande drainage. M. S. Thesis
 - current position: Texas Parks and Wildlife-Inland Fisheries, Mountain Home
 14. **Katrina Cohen** (BS University of Texas). 2008. Gut content and stable isotope analysis of exotic suckermouth catfishes (*Hypostomus*) in the San Marcos River, Texas: A concern for spring endemics? M. S. Thesis
 - Position: Ph.D., University of Texas-Arlington
 13. **Becca Marfurt Fordham** (BS Southwestern University). 2008. Habitat associations of macroinvertebrates in the Big Bend Reach of the Rio Grande. M. S. Thesis
 - Current position: Oklahoma Department of Environmental Quality
 12. **Dennis Runyan** (BS Texas A&M University). 2007. Fish assemblage changes in Gulf Slope drainages; an historical perspective. M. S. Thesis
 - Current position: Fish Biologist, Alan Plummer Associates, Austin.
 11. **Rex Tyrone** (BS University of Washington-Wilmington). 2007. Effects of upland timber harvest and road construction on headwater stream fish assemblages in a southeastern forest. M. S. Thesis
 - Positions: Fish Biologist, US Geological Survey, Washington.
 10. **Preston Bean** (BS Texas Tech University). 2007. Spatial and temporal patterns in the fish assemblage of the Blanco River, Texas and Reproductive ecology and diet of the gray redhorse. M. S. Thesis.

- Current position. Research Biologist, Texas Parks and Wildlife.

9. **Dave Pendergrass** (BA Covenant College). 2006. Macroinvertebrate assemblage in the Blanco River basin. M. S. Thesis.

- Current position: Research Scientist, Texas Institute for Applied Environmental Research; Tarleton State University.

8. **Jackie Watson** (BS Texas State University). 2006. Patterns and habitat associations of a desert spring fish assemblage and responses to a large-scale flood. M. S. Thesis

- Current position: Fish Biologist, Utah Division of Wildlife Resources, Provo.

7. **Brad Littrell** (BS Texas State University). 2006. Can invasiveness of native cyprinids be predicted from life history traits? and Status of an introgressed Guadalupe bass population in a central Texas stream. M.S. Thesis.

- Current position: Fisheries Biologist, Bio-West, Inc., Austin, Texas

6. **Julie Hulbert** (BS Trinity University). 2005. Morphology, meristic counts, and melanophore description for *Dionda diaboli* (Cyprinidae) during development. M.S. Thesis.

- Position: Director, Education Center, City of San Marcos. Currently in the health care profession.

5. **Tracy R. Leavy** (BS Long Island University). 2004. Relationships among swimming ability, habitat use, and morphology of freshwater fishes in Texas and Louisiana. M.S. Thesis.

- Position: Fish and habitat biologist, US Fish and Wildlife Service, Washington State. Currently in the health care profession.

4. **Dijar Lutz-Carrillo** (BS University of Texas). 2004. The use of microsatellite DNA to identify largemouth bass subspecies. M.S. Thesis, Co-advisor with C. Nice.

- Current position: Geneticist, Texas Parks and Wildlife Department, San Marcos

3. **Dusty McDonald** (BS Schreiner College). 2003. Effects of fluctuating temperatures on egg production of the endangered fountain darter. M.S. Thesis.

- Current position: Fisheries Biologist, Texas Parks and Wildlife Department, Perry R. Bass Marine Fisheries Research Station, Palacios

2. **Casey S. Williams** (BS Northwestern State University). 2003. Cyprinid assemblage structure along physical, longitudinal, and seasonal gradients and life history and reproductive ecology of the sabine shiner. M.S. Thesis.

- Current position: Assistant Professor, Valley City State University, North Dakota

1. **Chad Thomas** (BS Texas State University). 2001. Effects of smallmouth bass on habitat associations of selected prey species of the Devils River (TX). M.S. Thesis.

- Current position: Risk Management; Texas State University

In progress:

- Cody Craig (BS Texas Tech, MS Texas State U.) TBD

- Jeremy Maikoetter (BS, Texas State U.) TBD

- Peter Pfaff (Concordia University) TBD

- Dave Ruppel (BS Northern Michigan, MS Texas State U.) Validating instream flow recommendations

COURSES TAUGHT (2001 – current):

Zoology (BIO 2411) Spring semester.

Ichthyology (BIO 4415/5415) Summer I and Fall.

Fisheries Management Seminar (BIO 7102) Spring in even years.

Multivariate Statistics Seminar (BIO 7102) Spring in odd years

HONORS/AWARDS/SERVICE (2002 – 2015):

Reviewer: Journal of Fish Biology, Comparative Parasitology, Aquatic Ecology, BioScience, Biological Invasions, Fisheries, Canadian Journal of Fisheries and Aquatic Sciences, Environmental Biology of Fishes, Fishery Bulletin, Southeastern Naturalist, North American Journal of Fisheries Management, Transactions of the American Fisheries Society, Ecology of Freshwater Fishes, American Midland Naturalist, Southwestern Naturalist, North American Journal of Aquaculture, Hydrobiologia, Copeia, Texas Journal of Science, Lakes and Reservoirs, Desert Fishes Council Symposium, Southeastern Fish and Wildlife Agencies, Journal of the Arkansas Academy of Science, Great Plains Research, USFWS Species Status Assessments, and several others.

Outstanding Fisheries Worker of 2017 in Fisheries Research. Texas Chapter of the American Fisheries Society

Favorite Professor. 2002, 2014, 2015 Texas State University. Alpha Chi National Honor Scholarship Society

Advisor: TxState Aquatic Biology Society (2006 – current)

Organizer and weighmaster: Port Mansfield Chamber of Commerce Fishing Tournament (2003 – current).
Tournament to generate college scholarships for Port Mansfield and area students.

Advisor: TxState BassCats--Tournament Fishing club (2009 – 2012)

Inland Fisheries Advisory Board. Texas Parks and Wildlife (2009 – 2014)

Brazos River Bays Basin Expert Science Team (2011 – 2012)

Guadalupe River Bays Basin Expert Science Team (2010 – 2011)

Chair, Awards Committee, Southern Division of the American Fisheries Society (2008- 2013)

Editorial Committee. Southeastern Fish and Wildlife Agencies (2008)

President. Texas Chapter of the American Fisheries Society (2008)

Presidential Award for Scholarly Activity. Texas State University (2007)

Texas State University Foundations of Excellence Award (2006)

Board of Directors, San Marcos River Foundation (2004 - 2006)

Co-Chair, Program Committee. 2006 Southern Division of the American Fisheries Society meeting

Editorial Committee Chair. Texas Chapter of the American Fisheries Society (2002 – 2005)

Outstanding Fisheries Worker of 2004 in Education. Texas Chapter of the American Fisheries Society