

TEXAS STATE VITA**I. Academic/Professional Background**

A. Name: Timothy H. Bonner

Title: Associate Professor of Biology

B. Educational Background

Degree	Year	University	Major	Thesis/Dissertation
Ph.D.	2000	Texas Tech University Lubbock, TX	Fisheries Science	Life history of two obligate riverine fishes
M.Sc.	1996	Southwest Texas State University, San Marcos, TX	Biology	Effects of temperature on fountain darter egg production
B.Sc.	1992	Texas A&M University, College Station, TX	Wildlife/ Fisheries	

C. University Experience

Position	University	Dates
Associate Professor	Texas State University, San Marcos	2007-present
Director, Aquatic Station	Texas State University, San Marcos	2007-present
Assistant Professor	Texas State University, San Marcos	2001-2007
Assistant Professor	Northwestern State of Louisiana, Natchitoches	2000-2001

II. TEACHING**A. Teaching Honors and Awards:**

Texas State University Foundations of Excellence Award, 2006

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

Favorite Professor, 2002, Alpha Chi National Honor Scholarship Society-Texas State University-San Marcos

B. Courses Taught:

2001-present

Undergraduate: BIO 2411 Intermediate Zoology,
BIO 4415 Ichthyology
BIO 4299 Undergraduate ResearchGraduate: BIO 5110 Seminar
BIO 5415 Ichthyology
BIO 7408 Fish Ecology and Conservation
BIO 7102 Seminar in Aquatic Resources
BIO 7203 Problems in Aquatic Resources
BIO 7303 Research
BIO 7314 Research Experience

C. Graduate Theses/Dissertations or Exit Committees (if supervisor, please indicate):*Graduate Theses/Dissertations Committees—Major or Co-Advisor, Completed*

Tom Heard. 2008. Spatial and temporal patterns in a Chihuahua Desert fish assemblage. (Major Advisor)

Megan Bean. 2008. Occurrence and impact of the giant Asian tapeworm in the Rio Grande drainage. (Major Advisor)

Katrina Cohen. 2008. Gut content and stable isotope analysis of exotic suckermouth catfishes (*Hypostomus*) in the San Marcos River, Texas: A concern for spring endemics? (Major Advisor)

Rebecca Marfurt. 2007. Spatial and temporal patterns in the Rio Grande macroinvertebrate community. (Major Advisor)

Dennis Runyan. 2007. Fish assemblage changes in Gulf Slope drainages; an historical perspective. (Major Advisor)

Rex Tyrone. 2007. Effects of upland timber harvest and road construction on headwater stream fish assemblages in a southeastern forest. (Major Advisor)

Bean, Preston. 2007. Spatial and temporal patterns in the fish assemblage of the Blanco River, Texas *and* Reproductive ecology and diet of the gray redbhorse. (Major Advisor)

Pendergrass, Dave. 2006. Macroinvertebrate assemblage in the Blanco River basin. M.S. Thesis. (Major Advisor)

Watson, Jackie. 2006. Patterns and habitat associations of a desert spring fish assemblage and responses to a large-scale flood. M. S. Thesis. (Major Advisor)

Littrell, Brad. 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. (Major Advisor)

Hulbert, Julie. 2005. Morphology, meristic counts, and melanophore description for *Dionda diaboli* (Cyprinidae) during development. M.S. Thesis. (Major Advisor)

Leavy, Tracy. 2004. Relationships among swimming ability, habitat use, and morphology of freshwater fishes in Texas and Louisiana. M.S. Thesis. (Major Advisor)

Lutz-Carrillo, Dijar. 2004. The use of microsatellite DNA to identify largemouth bass subspecies. M.S. Thesis. (Co-Advisor)

McDonald, Dusty. 2003. Effects of fluctuating temperatures on egg production of the endangered fountain darter. M.S. Thesis. (Major Advisor)

Williams, Casey. 2003. Cyprinid assemblage structure along physical, longitudinal, and seasonal gradients and life history and reproductive ecology of the sabine shiner. M.S. Thesis. (Major Advisor)

Thomas, Chad. 2001. Effects of smallmouth bass on habitat associations of selected prey species of the Devils River (TX). M.S. Thesis. (Co-Advisor)

Undergraduate Thesis—Major Advisor, Completed

Colman, S. 2002. The effect of pool size on schooling success of *Notropis amabilis*.

Graduate Theses/Dissertations Committees—Member, Completed

Smith, Alex. 2008. Mercury contamination of the the Rio Grande Fish Community: Spatial Variation and Influence of Environmental Gradients.

Cook-Hildreth, Luci. 2008. Reproduction of the Suckermouth Catfish.

Polak, Bobby. 2007. Influence of Human Recreational Activities and Vegetatiive Characteristics on Waterbird Abundance.

Fores, David. 2006. Using Major Anions and Cations to Describe Trans-Pecos Springs. M.S. Thesis.

Cave, Mike. 2006. Chemical and Physical Characteristics of the Blanco River: Water Quality in an Edwards Plateau Karst River Ecosystem

Griego, Lene. 2005. Effects of recycled wastewater effluent as augmented baseflow on benthic macroinvertebrate assemblages in Salado Creek, Bexar County, Texas. M.S. Thesis.

Martin, Joe. 2004. Growth of white bass in Canyon Reservoir. M.S. Thesis.

Dennis, Kristine. 2003. Detritus processing and ecological structure of constructed wetponds with contrasting age and watershed characteristics. M.S. Thesis.

Thomas, Zachary. 2003. Movement and habitat use by triploid grass carp in the lower Rio Grande, Texas. M.S. Thesis.

Cantu, Val. 2002. Spatial and temporal variation of *Centrocestus formosanus* in river water and endangered fountain darters (*Etheostoma fonticola*) in the Comal River, Texas. M.S. Thesis.

Cleveland, David. 2002. Factors influencing the establishment of dominance hierarchies of the grey triggerfish (*Balistes capriscus*). M.S. Thesis.

Fleming, Paul. 2002. Prevalence of *Centrocestus formanosanus* in Comal River fishes. M.S. Thesis.

Pence, Nathan. 2002. Effects of pH on survival and growth of black basses. M.S. Thesis.

Graduate Theses/Dissertations Committees—In progress (Major Advisor only)

Preston Bean. Dissertation title: Conservation genetics of the Guadalupe bass

Nathan Dammeyer. Thesis title: Movement of *Etheostoma* in Comal Springs.

Clara Folb. Thesis title: Development of habitat suitability curves based on expert opinions

Ben Labay. Thesis title: Fish assemblages in the Brazos River drainage

Danielle Livingston. Thesis title: Impacts of instream barriers on aquatic fauna

Kristy Kollaus. Thesis title: Ecology of the Devils River minnow

Robby Maxwell. Thesis title: Patterns in fish endemism

Sarah McMillan. Thesis title: Reproductive ecology of the Devils River minnow

Josh Perkin. Historical changes in the Trinity River and Guadalupe River fish assemblages

Zach Shattuck. Temporal and spatial patterns in the Pedernales River fish and macroinvertebrate communities.

Casey Williams. Dissertation title: Juvenile fishes of the lower Brazos River: distribution, emigration, and associations with environmental variables

D. Courses Prepared and Curriculum Development:

BIO 5415 Ichthyology

BIO 7408 Fish Ecology and Conservation

III. SCHOLARLY/CREATIVE

A. Works In Print

1. Books (refereed)

Thomas, C., T. H. Bonner, and B. G. Whiteside. 2007. Freshwater Fishes of Texas: A Field Guide. Texas A&M University Press. 216 pp.

2. Articles

a. Refereed Journal Articles: (Undergraduate and Graduate students as first authors)

Bean, M. G., and T. H. Bonner. Accepted. Impact of *Bothriocephalus acheilognathi* (Cestoda: Pseudophyllidea) on *Cyprinella lutrensis* condition and reproduction. Journal of Freshwater Ecology.

Watson, J. M., C. Sykes, T. H. Bonner. In press. Gut contents of age-0 Rio Grande silvery minnow *Hybognathus amarus* reared in hatchery ponds. Southwestern Naturalist.

- Leavy, T. R. and T. H. Bonner. In press. Relationships among swimming ability, current velocity associations, and morphology for freshwater lotic fishes. North American Journal of Fisheries Management.
- 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.
- Bonner, T. H. and Preston T. Bean. 2008. Threatened fishes of the world: *Micropterus treculii* (Centrarchidae). Environmental Biology of Fishes 83:367-368
- 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.
- Bean, P. T. and T. H. Bonner. 2008. Reproductive ecology and diet of the gray redbhorse (Catostomidae) in a Hill Country stream and reservoir. Journal of Freshwater Ecology 23:397-404.
- 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.
- 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.
- 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.
- 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.
- 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
- 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.
- 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.
- Williams, C. S. and T. H. Bonner. 2006. Threatened fishes of the world: *Notropis sabiniae* (Cyprinidae). Environmental Biology of Fishes 80:7-8.

- 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.
- 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.
- 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
- Patrikeev, M., T. H. Bonner, and G. M. Trujillo. 2005. Occurrence of the river shiner *Notropis blennioides* in Lake Meredith, Texas. *The Southwestern Naturalist* 50:488-490.
- Bonner, T. H. and D. L. McDonald. 2005. Threatened fishes of the world: *Etheostoma fonticola* (Percidae). *Environmental Biology of Fishes* 73:333-334.
- 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.
- Bonner, T. H., C. Thomas, C. S. Williams, and J. P. Karges. 2005. Temporal assessment of a west Texas stream fish assemblage. *The Southwestern Naturalist* 50:74-78.
- 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.
- 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.
- 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. *The Southwestern Naturalist* 47:95-98.
- 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.
- 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.
- 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.

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.

Refereed Journal Articles (in review)

Perkin, J. S., C. S. Williams, and T. H. Bonner. In review. Life history of the chub shiner *Notropis potteri* in the lower Brazos River with comments on its native distribution and conservation status. *American Midland Naturalist*.

b. Abstracts:

- Folb, C. E., J.S. Perkin, Z.R. Shattuck, and T.H. Bonner. 2009. Life histories of the Guadalupe darter *Percina apristis* and the river darter *Percina shumardi*. Texas Chapter of the American Fisheries Society, Fort Worth (oral presentation).
- Shattuck, Z.R., and T.H. Bonner. 2009. Seasonal patterns of population structure, reproductive ecology, and prey selectivity of Texas logperch in the Pedernales River, Texas. Texas Chapter of the American Fisheries Society, Fort Worth. (Oral Presentation)
- Kollaus, K. A., and T. H. Bonner. 2009. Fish assemblage structure and associations with environmental conditions in a Texas spring-fed river. Texas Chapter of the American Fisheries Society, Fort Worth (oral presentation).
- Perkin, J. S., Z. R. Shattuck, P. T. Bean, T. H. Bonner, E. Saraeva, and T. B. Hardy. 2009. Movement and microhabitat associations of Guadalupe bass in two Texas Rivers. Texas Chapter of the American Fisheries Society, Ft. Worth (oral presentation).
- Kollaus, K. A., and T. H. Bonner. 2009. Fish assemblage structure and associations with environmental conditions in a Texas spring-fed river. Southern Division of the American Fisheries Society, New Orleans, LA (oral presentation).
- Perkin, J. S. and T. H. Bonner. 2009. Ichthyofaunal responses to hydrologic variation in a lotic system: A long-term, species and assemblage scale approach. Southern Division of the American Fisheries Society, New Orleans, LA (oral presentation).
- Bean, P. T., J. Jackson, T. Bonner, and M. Forstner. 2008. An extant population of headwater catfish in a western gulf slope drainage. Texas Chapter of the American Fisheries Society, Junction (oral presentation).
- Runyan, D. T. and T. H. Bonner. 2008. Distribution and diet of larval and juvenile fishes in the Rio Grande. Texas Chapter of the American Fisheries Society, Junction (oral presentation).
- Bonner, T. H., C. S. Williams, and P. T. Bean. 2007. Influence of Headwater Streams on Local and Downstream Biota in West Texas. American Fisheries Society, San Francisco (invited oral presentation).
- Perkin, J. S., C. S. Williams, and T. H. Bonner. 2007. Conservation status and life history of the chub shiner in the lower Brazos River. American Fisheries Society, San Francisco (oral presentation).
- Heard, T. C. and T. H. Bonner. 2007. Habitat associations of the fish assemblage within the Big Bend reach of the Rio Grande (Rio Bravo del Norte). Texas Chapter of

- the American Fisheries Society. American Fisheries Society, San Francisco (oral presentation).
- Cohen, K. L., T. H. Bonner, and W. H. Nowlin. 2007. Food habits of the non-indigenous suckermouth catfish in the San Marcos River, Texas: a concern for spring endemics? American Fisheries Society, San Francisco (oral presentation).
- Bean, M. G. and T. H. Bonner. 2007. Occurrence of the Asian fish tapeworm in the Rio Grande: implications for fishes of conservation concern. American Fisheries Society, Francisco (invited oral presentation).
- Runyan, D. T. and T. H. Bonner. 2007. Historical fish assemblage change in three western gulf slope rivers. American Fisheries Society, San Francisco (oral presentation).
- Williams, C. S. and T. H. Bonner. 2007. Reproductive characteristics of three obligate riverine fishes from the lower Brazos River. American Fisheries Society, San Francisco (oral presentation).
- Perkin, J. S., C. S. Williams, and T. H. Bonner. 2007. Conservation status and life history of the chub shiner in the lower Brazos River. Texas Chapter of the American Fisheries Society. Lake Jackson (oral presentation).
- Heard, T. C. and T. H. Bonner. 2007. Habitat associations of the fish assemblage within the Big Bend reach of the Rio Grande (Rio Bravo del Norte). Texas Chapter of the American Fisheries Society. Lake Jackson (oral presentation).
- Cohen, K. L., T. H. Bonner, and W. H. Nowlin. 2007. Food habits of the non-indigenous suckermouth catfish in the San Marcos River, Texas: a concern for spring endemics? Texas Chapter of the American Fisheries Society. Lake Jackson (oral presentation).
- Bean, M. G. and T. H. Bonner. 2007. Occurrence of the Asian fish tapeworm in the Rio Grande: implications for fishes of conservation concern. Texas Chapter of the American Fisheries Society. Lake Jackson (oral presentation).
- Runyan, D. T. and T. H. Bonner. 2007. Historical fish assemblage change in three western gulf slope rivers. Texas Chapter of the American Fisheries Society. Lake Jackson (oral presentation).
- Williams, C. S. and T. H. Bonner. 2007. Reproductive characteristics of three obligate riverine fishes from the lower Brazos River. Texas Chapter of the American Fisheries Society. Lake Jackson (oral presentation).
- Lutz-Carrillo, D., T. H. Bonner, G. Garrett, and L. Fries. 2006. Guadalupe bass: introgressive hybridization and restoration. American Fisheries Society Annual Meeting. Lake Placid, New York (oral presentation).
- Bean, M. G., D. G. Huffman, T. H. Bonner, and W. H. Nowlin. 2006. New records of the Asian fish tapeworm, *Bothriocephalus acheilognathi*, in fishes of the Rio Grande, Texas. Southwestern Association of Parasitologists. Kingston, OK (poster presentation).
- Bonner, T. H., K. Saunders, D. Runyan and C. Williams. 2006. Development of the biological condition gradient in a warmwater stream; implications to instream flow assessments. Southern Division of the American Fisheries Society. San Antonio (oral presentation).
- Thomas, C. L., T. H. Bonner and B. G. Whiteside. 2006. Field guide for freshwater fishes of Texas. Southern Division of the American Fisheries Society. San Antonio (poster presentation).
- Littrell, B. M., T. H. Bonner, D. Lutz-Carrillo and L. Fries. 2006. Status of an introgressed Guadalupe bass population in a central Texas stream. Southern Division of the American Fisheries Society. San Antonio (oral presentation).

- Bean, P., T. H. Bonner, and B. M. Littrell. 2006. Dissimilarity of a Blanco River reservoir fish assemblage from other riverine sites. Southern Division of the American Fisheries Society. San Antonio (oral presentation).
- Zeug, S, K. Winemiller, T. Bonner, C. Williams, T. Osting, and R. Mathews. 2006. Response of oxbow lake biota to hydrologic exchanges with the Brazos River channel. Southern Division of the American Fisheries Society. San Antonio, Texas (oral presentation).
- Watson, J. M. and T. H. Bonner. 2005. Effects of a large flood event in a Chihuahua Desert stream. River Systems Institute, Environmental Flow Conference (poster presentation; Best Student Poster Award).
- Watson, J. M. and T. H. Bonner. 2005. Do floods affect fish assemblages? Case history in a Pecos River tributary. American Fisheries Society Annual Meeting. Anchorage, Alaska (oral presentation).
- Hulbert, J., T. H. Bonner, D. R. Pendergrass, and J.N. Fries. 2005. Meristics, morphometrics, and pigmentation during early development of *Dionda diaboli*. American Fisheries Society Annual Meeting. Anchorage, Alaska (poster presentation).
- Lutz-Carrillo, D., C. C. Nice, T. H. Bonner, M. R. J. Forstner, and L. T. Fries. 2005. Admixture analysis of Florida bass and largemouth bass using microsatellite loci. American Fisheries Society Annual Meeting. Anchorage, Alaska (poster presentation).
- Hulbert, J., T. H. Bonner, D. R. Pendergrass, and J.N. Fries. 2005. Meristics, morphometrics, and pigmentation during early development of *Dionda diaboli*. Texas Chapter of the American Fisheries Society, Grapevine, Texas (oral presentation; Best Student Presentation Award).
- Watson, J. M. and T. H. Bonner. 2005. Assemblage structure and habitat associations of fishes in Independence Creek, Texas. Texas Chapter of the American Fisheries Society, Grapevine, Texas (oral presentation).
- Littrell, B. M. and T. H. Bonner. 2005. Can invasiveness of native cyprinids be predicted from life history traits? Texas Chapter of the American Fisheries Society, Grapevine, Texas (oral presentation).
- Watson, J. M. and T. H. Bonner. 2004. Assemblage structure and habitat associations of fishes in Independence Creek, Texas. Desert Fishes Council Annual Meeting. Tucson, Arizona (oral presentation)
- Bonner, T. H., L. R. Williams, J. D. Hudson, III, M. G. Williams, T. R. Leavy, and C. S. Williams. 2004. Interactive effects of environmental variability and military training on stream biota of three headwater drainages in Western Louisiana. American Fisheries Society Annual Meeting. Madison, Wisconsin (oral presentation).
- Leavy, T. R., and T. H. Bonner. 2004. Swimming ability of selected freshwater fishes and its implication to fish morphology and habitat use. American Fisheries Society Annual Meeting. Madison, Wisconsin (oral presentation).
- Littrell, B. M., and T. H. Bonner. 2004. Identifying attributes of native invaders. American Fisheries Society Annual Meeting. Madison, Wisconsin (oral presentation).
- Lutz-Carrillo, D., C. C. Nice, T. H. Bonner, M. R. J. Forstner, and L. T. Fries. 2004. Evaluation of microsatellite loci in largemouth bass: resolution of population structure and the origins of individuals. American Fisheries Society Annual Meeting. Madison, Wisconsin (poster presentation)
- McDonald, D.L., T.H. Bonner, and T.M. Brandt. 2004. Effects of fluctuating temperatures and trematode infection on the reproduction of the fountain darter.

- American Fisheries Society Annual Meeting. Madison, Wisconsin (poster presentation)
- Watson, J. M., T. H. Bonner, C. S. Williams, and B. Littrell. 2004. Structure and habitat associations of a west Texas fish assemblage. American Fisheries Society Annual Meeting. Madison, Wisconsin (poster presentation).
- Williams, C. S., and T. H. Bonner. 2004. Spatial and temporal variation in regionalized IBI scores of Banita Creek, Texas. American Fisheries Society Annual Meeting. Madison, Wisconsin (oral presentation)
- Leavy, T. R., and T. H. Bonner. 2004. Swimming ability of selected freshwater fishes and its implication to fish morphology and habitat use. Southwestern Association of Naturalists Annual Meeting. San Antonio, Texas (Oral presentation).
- Watson, J. M., T. H. Bonner, and C. S. Williams. 2004. Assessment of a west Texas fish assemblage. Southwestern Association of Naturalists Annual Meeting. San Antonio, Texas (oral presentation).
- Hulbert, J., T.H. Bonner, and J.N. Fries. 2004. Early development of *Dionda diaboli* (Cyprinidae). Southwestern Association of Naturalists Annual Meeting. San Antonio, Texas (Oral presentation).
- Williams, C. S., and T. H. Bonner. 2004. Influence of physical parameters, site, and season on fish assemblage structure: implications for Index of Biotic Integrity. Southwestern Association of Naturalists Annual Meeting. San Antonio, Texas (oral presentation).
- Leavy, T. R. and T. H. Bonner. 2004. Swimming ability of selected freshwater fishes. Texas Chapter of the American Fisheries Society, College Station, Texas (oral presentation-Best Student Presentation Award).
- Williams, C. S. and T. H. Bonner. 2004. Spatial and temporal variation in fish assemblages; implications for index of biotic integrity. Texas Chapter of the American Fisheries Society, College Station, Texas (oral presentation).
- McDonald, D. L., T. H. Bonner, and T. M. Brandt. 2004. Effects of fluctuating temperatures and trematode infection on reproduction of the fountain darter. Texas Chapter of the American Fisheries Society, College Station, Texas (poster presentation).
- McDonald, D. L., T. H. Bonner, T. M. Brandt, and G. H. Trevino. 2004. Susceptibility of fountain darter age groups to mortality by an exotic trematode *Centrocestus formosanus*. Texas Chapter of the American Fisheries Society, College Station, Texas (poster presentation).
- Thomas, C., T. H. Bonner, T. L. Arsuffi, and B. Littrell. 2004. Response of triploid grass carp to flooding in a central Texas reservoir. Louisiana Chapter of the American Fisheries Society, Baton Rouge, Louisiana (oral presentation).
- Thomas, C., B. Littrell, J. Watson, C. Williams, and T. H. Bonner. 2003. Gut analysis of the headwater catfish from two west Texas streams. Aquatic Resources in Arid Lands Conference, Las Cruces, New Mexico (poster presentation).
- Littrell, B. M., C. Thomas, J. Watson, C. Williams, and T. H. Bonner. 2003. Gut analysis of the headwater catfish from two west Texas streams. Southwestern Association of Naturalist, Oklahoma City (oral presentation).
- Thomas, C., B. Littrell, T. H. Bonner, and T. L. Arsuffi. 2003. The response of grass carp to a high flow event in a Texas reservoir. Texas Academy of Science, Nacogdoches, Texas (oral presentation).
- Williams, C. S., D. Byrd, and T. H. Bonner 2003. Longitudinal distribution of regionally endemic fishes in east Texas and central Louisiana streams. Texas Academy of Science, Nacogdoches, Texas (oral presentation).

- Lutz-Carrillo, D. J., L. T. Fries, and T. H. Bonner. 2003. The identification of polymorphic microsatellite DNA loci in largemouth bass. Texas Chapter of the American Fisheries Society, Galveston, Texas (oral presentation).
- Leavy, T., C. S. Williams, D. Hudson, and T. H. Bonner. 2003. Patterns in stream fish assemblages inhabiting three independent drainage basins on Peason Ridge Wildlife Management Area, Fort Polk (U. S. Army), Louisiana. Texas Chapter of the American Fisheries Society, Galveston, Texas (oral presentation).
- McDonald, D., T. H. Bonner, and T. M. Brandt. 2003. A test of compensatory reproduction in the fountain darter along a temperature gradient. Texas Chapter of the American Fisheries Society, Galveston, Texas (oral presentation).
- Thomas, C., B. Littrell, T. H. Bonner, and T. L. Arsuffi. 2003. The response of grass carp to a high flow event in a Texas reservoir. Texas Chapter of the American Fisheries Society, Galveston, Texas (oral presentation).
- Williams, C. S., D. Byrd, and T. H. Bonner. 2003. Longitudinal distribution and habitat associations of regionally endemic fishes in east Texas and central Louisiana streams. Texas Chapter of the American Fisheries Society, Galveston, Texas (oral presentation).
- Thomas, C., B. Littrell, J. Watson, C. Williams, and T. H. Bonner. 2003. Gut analysis of the headwater catfish from two west Texas streams. Texas Chapter of the American Fisheries Society, Galveston, Texas (poster presentation).
- Bonner, T. H., C. Williams, and J. D. Hudson. 2002. Temporal and spatial changes in three headwater fish assemblages on Fort Polk (US Army). Invited presentation-Symposium on Fisheries Research on Department of Defense Lands. American Fisheries Society Annual Meeting. Baltimore, Maryland (oral presentation).
- Martin, J. M., A. W. Groeger, T. H. Bonner. 2002. Influence of limnological factors on white bass growth in a central Texas Reservoir. Texas Academy of Science. Laredo, Texas (oral presentation).
- Fleming, B. P., D. G. Huffman, T. M. Brandt, and T. H. Bonner. 2002. Downstream spread of the heterophyid trematode *Centrocestus formosanus* in the Guadalupe River, Comal County, Texas. Texas Academy of Science. Laredo, Texas (oral presentation).
- Thomas, Z., T. A. Arsuffi, T. H. Bonner, and E. Chilton. 2002. Movement and habitat use of grass carp in the lower Rio Grande. Texas Academy of Science. Laredo, Texas (oral presentation).
- Thomas, Z., T. A. Arsuffi, T. H. Bonner, and E. Chilton. 2002. Movement and habitat use of grass carp in the lower Rio Grande. Texas Chapter of the American Fisheries Society. Junction, Texas (oral presentation).
- Thomas, C., T. H. Bonner, T. A. Arsuffi, and G. P. Garrett. 2002. Effects of an introduced predator on habitat selection by selected prey species of the Devils River. Texas Chapter of the American Fisheries Society. Junction, Texas (oral presentation).
- Thomas, C., T. H. Bonner, T. A. Arsuffi, and G. P. Garrett. 2001. Effects of an introduced predator on habitat selection by selected prey species of the Devils River. Desert Fishes Council National Meeting. Alpine, Texas (poster presentation).
- McGowan, J., D. Kisner, T. Bonner, and M. Land. 2001. Historical changes in the Kisatchie Bayou fish (Cyprinidae) assemblage with comments on localized species distribution. Louisiana Chapter of the American Fisheries Society. Baton Rouge, Louisiana. (oral presentation).

- Wilde, G. R., B. W. Durham, K. G. Ostrand, and T. H. Bonner. 2001. Drought effects on West Texas, USA, prairie stream fish assemblage. International Symposium on the Role of Drought in Aquatic Systems. Australia. (oral presentation).
- Durham, B. W., T. H. Bonner, G. R. Wilde. 2000. Changes in a prairie stream fish assemblage associated with low flow conditions. American Fisheries Society Annual Meeting. St. Louis, Missouri (oral presentation).
- Bonner, T. H., and G. R. Wilde. 2000. Multiple spawning behavior and migration of the Arkansas River shiner and peppered chub in the Canadian River, New Mexico and Texas. Southwestern Association of Naturalists. Denton, Texas (oral presentation).
- Wilde, G. R., and T. H. Bonner. 2000. The effect of turbidity on feeding efficiency of prairie stream fish: test of a hypothesis. Southwestern Association of Naturalists. Denton, Texas (oral presentation).
- Wilde, G. R., and T. H. Bonner. 1999. The effects of turbidity on feeding efficiencies of prairie stream fish. American Fisheries Society Annual Meeting. Charlotte, North Carolina (oral presentation).
- Bonner, T. H., and G. R. Wilde. 1999. Reproductive ecology of the Arkansas River shiner in the Canadian River, New Mexico and Texas. Southern Division, American Fisheries Society. Chattanooga, Tennessee (oral presentation).
- Bonner, T. H., and G. R. Wilde. 1999. The influence of flow on gonadal maturation and egg release in prairie stream fishes. Texas Chapter of the American Fisheries Society. Corpus Christi, Texas (oral presentation).
- Wilde, G. R., and T. H. Bonner. 1998. Use of otoliths to determine spawning periodicity and requirements of the Arkansas River shiner, *Notropis girardi*. Second International Symposium on Fish Otolith Research and Application. Bergen, Norway (poster presentation).
- Bonner, T. H., and G. R. Wilde. 1998. Population dynamics of the Arkansas River shiner and the speckled chub in the Canadian River, New Mexico and Texas. Southwestern Association of Naturalists. Albuquerque, New Mexico (poster presentation).
- Bonner, T. H., and G. R. Wilde. 1998. Spatial and temporal changes in the fish assemblage in the Canadian River of Texas. Texas Chapter of the American Fisheries Society. Athens, Texas (oral presentation; Best Presentation Award).
- Bonner, T. H., and G. R. Wilde. 1997. Spatial and temporal changes in the fish assemblage in the Canadian River of Texas. Southern Division, American Fisheries Society. San Antonio, Texas (poster presentation).
- Bonner, T. H., T. M. Brandt, J. N. Fries, and B. G. Whiteside. 1996. Temperature effects of egg production and early life stages of the fountain darter. Texas Academy of Science. Galveston, Texas (oral presentation).
- Bonner, T. H., T. M. Brandt, J. N. Fries, and B. G. Whiteside. 1996. Temperature tolerance of the fountain darter. Texas Chapter of the American Fisheries Society. Pottsboro, Texas (oral presentation).

3. Reports

- Bonner, T. H., and D. T. Runyan. 2007. Fish assemblage in three western gulf slope drainages. Final Project Report. Texas Water Development Board.
- Winemiller, K. O., F. P. Gelwick, T. H. Bonner, S. Zeug, and C. S. Williams. 2005. Response of oxbow lake biota to hydrologic exchanges with the Brazos River channel. Final Project Report (2003-483-493; 2003-483-003). Texas Water Development Board.

- Williams, L. R., T. H. Bonner, M. G. Williams, C. S. Williams, and T. L. Leavy. 2003. A survey of fishes and macroinvertebrates inhabiting streams of Peason Ridge Wildlife Management Area. Ft. Polk, US Army, Louisiana.
- Bonner, T. H., L. R. Williams, C. S. Williams, M. Keegan, S. Raborn, D. Byrd, and J. D. Hudson. 2003. Spatial and temporal trends in assemblage structure and habitat associations for stream fishes of Louisiana and east Texas with notes on reproduction and feeding habits of the sabine shiner. National Fish and Wildlife Foundation.
- Bonner, T. H., T. L. Arsuffi, C. Thomas, and B. Littrell. 2003. Movement and habitat selection of grass carp in the lower Colorado River. Lower Colorado River Authority and City of Austin.
- Bonner, T. H., C. Thomas, and C. S. Williams. 2002. Status, abundance, and habitat associations of fishes in the Independence Creek drainage (Terrell County, Texas). Texas Parks and Wildlife Department and The Nature Conservancy of Texas.
- Bonner, T. H., and D. McDonald. 2002. The effect of fluctuating temperature and exotic nematode infestation of spawning potential of the endangered fountain darter. BioWest and Edward's Aquifer Authority.
- Thomas, Z., T. L. Arsuffi, and T. H. Bonner. 2002. Movement and habitat selection of grass carp in the lower Rio Grande. Texas Parks and Wildlife Department.
- Wilde, G. R., and T. H. Bonner. 2000. Final Report -- Habitat use and reproductive ecology of the Arkansas River shiner and peppered chub. U.S. Fish and Wildlife Service, Tulsa, Oklahoma.

B. Works not in Print

1. Papers Presented at Professional Meetings:

See Abstracts section above—Published abstracts were the result of papers presented at Professional Meetings.

2. Invited Talks, Lectures, and Presentations:

- 2007 Biological Gradient Model as applied to the lower Brazos River. EPA Biological Gradient Work Group. Austin.
- 2007 Status of Pecos River Fish Assemblage. Pecos River Conference, Texas State University.
- 2006 Exotic fishes in Texas rivers. Hernandez Intermediate School, San Marcos ISD
- 2005 Status of the Blanco River fish assemblage. The Nature Conservancy of Texas Community Meeting, Wimberley, Texas
- 2005 Texas Fishes. Crockett Elementary School, San Marcos ISD
- 2004 Grass Carp and vegetation management. San Marcos Greenhouse
- 2004 Texas Fishes. Crockett Elementary School, San Marcos ISD
- 2003 Patterns in fish speciation and dispersion in western gulf slope streams. Stephan F. Austin University
- 2003 Texas Fishes. Crockett Elementary School, San Marcos ISD
- 2002 Texas Fishes. Crockett Elementary School, San Marcos ISD
- 2002 Fishes of Independence Creek. Pecos River Eco-team Meeting. Fort Davis, Texas

3. Consultancies:

- 2003-2007 The Nature Conservancy of Texas
- 2002-2007 Lower Colorado River Authority

2001-2007 Texas Parks and Wildlife

4. Workshops:

2004 EPA Biological Condition Gradient Conference. San Marcos, Texas

C. Grants and Contracts

1. Funded External Grants and Contracts:

Effects of fish passage on Threatened and Endangered aquatic species in Texas. 2008. US Fish and Wildlife Service. \$70,000

Project Flow Waters, GK-12 Program. 2008. National Science Foundation. Co-PI with J. Westerlund, W. Nowlin, and R. Earl. \$2,400,000.

Introgressive status, population genetic structure, and microhabitat use of the Guadalupe Bass, *Micropterus treculii*. 2008. Texas Parks and Wildlife. \$94,500

Constructing a Biological Gradient model for the lower Brazos River. 2007. Environmental Protection Agency. \$12,000

Ecological values of watersheds in the lower Brazos River. 2007. Houston Endowment, Texas River Systems Institute, and The Nature Conservancy of Texas. Co-PI with W. Nowlin, Y. Zhang, and V. Lopes. \$300,000

Spatial and temporal trends in macroinvertebrate community in a tailrace fisheries. 2007. Guadalupe Trout Unlimited. \$30,000

Historical trends in fish assemblage occurrence and abundance in two Texas river systems. 2006. Texas Water Development Board. \$30,000

Diet analysis of the exotic suckermouth catfish in the San Marcos River. 2006. US Fish and Wildlife Service. Co-principal investigator with W. Nowlin. \$5,000

Sources and pathways of energy and nutrients supporting the Rio Grande biotic community. 2006. US Department of Agriculture and Rivers Systems Institute. Co-principal investigator with W. Nowlin. \$93,000

Historical trends in fish assemblage occurrence and abundance in three Texas river systems. 2006. Texas Water Development Board. Co-principal investigator with V. Lopes. \$59,000

Ecological characterization of the Rio Grande fish assemblages in the Big Bend and Lower Canyon areas. 2005. U.S. Department of Agriculture and Rivers Systems Institute. Principal investigator. \$80,764

Stream biomonitoring at Peason Ridge during construction phase of new battle areas. 2004. US Army. Co-principal investigator with L. Williams, Ohio State University. \$200,197

Blanco River Assessment Study. 2003 - 2004. The Nature Conservancy of Texas and International Institute of Sustainable Water Resources. Co-principal investigator with five others from Texas State University- Department of Biology and Geography. \$175,000

Response of oxbow lake biota to hydrologic exchanges with the Brazos River channel. 2003 - 2004. Texas Water Development Board. Co-principal investigator with K. Winemiller and F. Gelwick, Texas A&M University. \$100,000

Interactive effects of physical parameters, site, and season on the fishes of Independence Creek—Conservation by Design. 2004. The Nature Conservancy of Texas. Co-principal investigator with Jackie Watson (graduate student). \$3,000

Development of a Biomonitoring Program for Fort Polk and Peason Ridge Wildlife Management Area, Louisiana. 2003. US Army. Co-principal investigator with L. Williams, Ohio State University. \$124,447

Stream biomonitoring at Peason Ridge, Fork Polk, Louisiana. 2003. US Army. Co-principal investigator with L. Williams, Ohio State University. \$60,000

Species composition and habitat use of fishes in Caroline Springs and Independence Creek, a tributary of the Pecos River. 2002. Texas Parks and Wildlife, The Nature Conservancy of Texas. Principal investigator. \$4,600

Movement and habitat selection of grass carp in the lower Colorado River. 2002. Lower Colorado River Authority. Co-principal investigator with T. Arsuffi, Texas State. \$21,000

Effects of fluctuating temperatures on egg production of the endangered fountain darter. 2001. Edward's Aquifer Authority / Biowest. Principal investigator. \$16,000

Temporal and spatial trends in fish assemblage structures in streams of east Texas and Louisiana. 2001. National Fish and Wildlife Foundation. Co-principal investigator with L. Williams, Ohio State University. \$18,000

Movement of grass carp in the lower Rio Grande River (TX). 2001. Texas Parks and Wildlife Department. Co-principal investigator with T. Arsuffi, Texas State. \$30,000

Temporal and spatial trends in fish assemblage structures and habitat associates in three headwater streams, Peason Ridge WMA, Fort Polk, Louisiana. 2001. U.S. Army. Principal investigator. \$18,000

Habitat use and ecology of the Arkansas River shiner and speckled chub in the Canadian River, New Mexico and Texas. 1998. U.S. Bureau of Reclamation. Co-principal investigator with G. Wilde, Texas Tech University. \$55,000

2. Submitted, but not Funded, External Grants and Contracts:

Pending
None

D. Fellowships, Awards, Honors:

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

IV. SERVICE

University: Commencement Speaker Selection Committee

Departmental: Graduate Committee, Planning Committee, Review Committee, Vehicle Use Committee, Freeman Aquatic Biology Building Committee, various search committees

Community: Board Member, San Marcos River Foundation; Weighmaster, Port Mansfield Fishing Tournament; San Marcos Youth Soccer Coach; Cubs Scout Den Leader; San Marcos Youth Baseball Coach

Professional: Awards Chair—Southern Division of the American Fisheries Society, President—Texas Chapter of the American Fisheries Society, Editorial Committee—Texas Chapter of the American Fisheries Society, Program Chair, 2006 Southern Division of the American Fisheries Society; Instream Flow Symposium Organizer, 2006 Southern Division of the American Fisheries Society

Reviewer: River Research and Application, Fishery Bulletin, Transactions of the American Fisheries Society, Freshwater Ecology of Fishes, American Midland Naturalist, Southwestern Naturalist, North American Journal of Aquaculture, Aquatic Ecology, Hydrobiologia, Copeia, Texas Journal of Science, Lakes and Reservoirs, Desert Fishes Council Symposium, Southeastern Fish and Wildlife Agencies

Organizations: American Fisheries Society, Desert Fishes Council