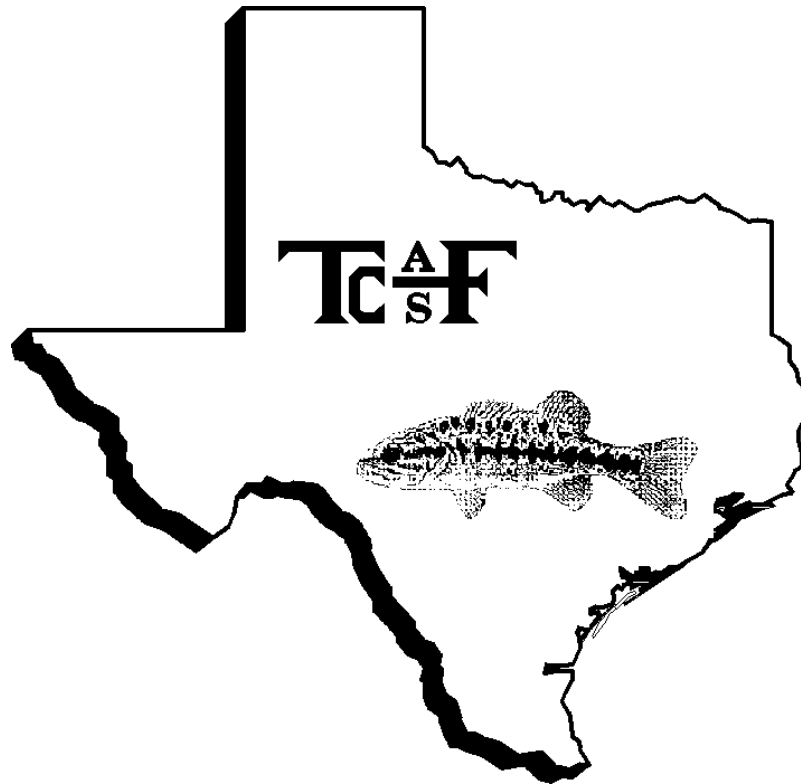


# **2011 Annual Meeting of the Texas Chapter American Fisheries Society**



**February 10<sup>th</sup> – 12<sup>th</sup>, 2011**

**San Marcos, Texas**

# MEETING SCHEDULE

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## Thursday, February 10<sup>th</sup>

Continuing Education (Veramendi Ballroom C/D) ..... 11:00 am to 5:30 pm  
Registration (Spring Lake Ballroom Foyer) ..... 10:00 am to 6:00 pm  
A/V Set-up for presenters (inquire at registration desk) ..... 3:00 to 6:00 pm  
Student/Professional Mixer (Hotel Atrium) ..... 5:30 to 7:30 pm

## Friday, February 11<sup>th</sup>

Registration (Spring Lake Ballroom Foyer) ..... 7:00 am to 12:00 pm  
Plenary Session (Spring Lake Ballroom A/B) ..... 8:00 to 10:40 am  
Break (Spring Lake Ballroom C) ..... 10:40 to 11:00 am  
Technical Session 1 (Spring Lake A/B) ..... 11:00 am to 12:00 pm  
Lunch (on your own) ..... 12:00 to 1:00 pm  
Technical Session 1 (Spring Lake Ballroom A/B)..... 1:00 to 3:00 pm  
Break (Spring Lake Ballroom C) ..... 3:00 to 3:15 pm  
Technical Session 2 (Spring Lake Ballroom A/B)..... 3:15 to 5:00 pm  
Poster Session (Spring Lake Ballroom C) ..... 5:00 to 9:00 pm  
Pre-Banquet Social (Hotel Atrium) ..... 5:30 to 6:30 pm  
Dinner and Awards Presentations (Veramendi E) ..... 6:30 to 7:30 pm  
Raffle/Auction Social (Veramendi Ballroom E)..... 7:30 to 10:00 pm

## Saturday, February 12<sup>th</sup>

Past President's Breakfast (Private Dining Room B)..... 7:00 to 7:45 am  
Technical Session 3 (Spring Lake Ballroom A/B) ..... 8:00 to 11:00 am  
Break (Spring Lake Ballroom C) ..... 11:00 to 11:15 am  
Business Meeting (Spring Lake Ballroom A/B) ..... 11:15 to 12:30 pm  
Closing Remarks..... 12:30 pm  
Adjourn

# PLENARY SESSION

Friday, February 11<sup>th</sup>  
Spring Lake Ballroom A/B

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8:00 *Welcome* – Craig Bonds, TCAFS President-Elect

## ***PLENARY SESSION: Fish Habitat: Contemporary Approaches for Assessment, Conservation, Enhancement, and Restoration***

8:10 **Aquatic Plants for Fish Habitat: a National Perspective**

*Michael Smart, U. S. Army Corps of Engineers – Lewisville Aquatic Ecosystem Research Facility*

8:40 **Low-cost Sonar Habitat Mapping: a New Tool for Research and Management of Fish Habitat Across Aquatic Landscapes**

*Adam Kaeser and Thom Litts, Georgia Department of Natural Resources*

9:10 **The Big Picture for Fish Habitat Conservation: Moving the Needle in Texas Through Collaboration at Regional and National Scales**

*Tim Birdsong, Texas Parks and Wildlife Department – Inland Fisheries Division*

9:40 **A Classification and Threat Condition Assessment of the Rivers and Streams of Texas**

*Ryan Smith, The Nature Conservancy*

10:10 **Estuarine Habitat Restoration Efforts on the Texas Coast: Leveraging Resources to Maximize Restoration opportunities on our Multi-use Estuaries**

*Jamie Schubert, Texas Parks and Wildlife Department – Coastal Fisheries Division*

10:40 **Break (Technical presentations begin at 11:00 am)**

# TECHNICAL SESSION 1

Friday, February 11<sup>th</sup>

Spring Lake Ballroom A/B

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- 11:00 **The Fishes of Texas Project – Status of Compilation and Standardization of Museum-vouchered Fish Collection Data, Online Database, and Related Research**  
*Hendrickson, D. A.\**, *A. E. Cohen*, *B. Labay*, *F. D. Martin*, *S. Sarkar*, *B. Sissel*, *M. Ciarleglio*, *J. Harrison*, *M. Casares*, *G. P. Garrett*, and *R. J. Edwards*
- 11:15 **Assessing the Decline of Barton Creek Fish Community Using Classical Surveys, Historic Data, and Species Distribution Modeling**  
*Labay, B. J.\**, *A. E. Cohen*, *F. D. Martin*, *D. A. Hendrickson*, *B. Sissel*, and *S. Sarkar*
- 11:30 **Combining Historical Data on the Fishes of Texas with Modeling to Evaluate Changes in Ranges of Fish Species in Texas Coastal Prairie Streams**  
*F. D. Martin\**, *A. E. Cohen*, *B. Labay*, and *D. A. Hendrickson*
- 11:45 **Large-scale Movements of Spotted Seatrout (*Cynoscion nebulosus*) Among South Texas Coastal Waters Using Acoustic Telemetry**  
*Bivins, L. M.\*<sup>S</sup>*, *G. W. Stunz*, and *M. Robillard*
- 12:00 **Adjourn for lunch (on your own). Presentations resume at 1:15 pm.**
- 1:15 **How Do Largemouth Bass Determine Sex?**  
*Lutz-Carrillo, D.\**, and *N. Rathjen*
- 1:30 **The Influence of Hydrology, Light Penetrance, and Nutrients on Production Sources for Fishes in Six Floodplain Rivers**  
*Roach, K. A.\*<sup>S</sup>*, and *K. O. Winemiller*
- 1:45 **Importance of River-reservoir Connectivity for Migratory Reservoir Fishes**  
*Smith, J. A.\**, *B. P. Fleming*, *K. A. Bodine*, and *D. L. Buckmeier*
- 2:00 **Using Stable Isotopes to Reveal Food Web Structures in the Mekong River and its Tributaries**  
*Ou, C.\*<sup>S</sup>*
- 2:15 **Food Web Structure of Shallow Floodplain Habitats: Oueme River, West Africa**  
*Jackson, A.\*<sup>S</sup>*, *K. O. Winemiller*, and *A. Alphonse*
- 2:30 **Ecomorphological Correlates in Temperate Floodplain Centrarchid Fishes**  
*Montaña, C. G.\*<sup>S</sup>*, and *K. O. Winemiller*

- 2:45 **Spatial and Temporal Implications of Electrofishing in a Large Floodplain River Ecosystem**  
*Carmean, N. J.\**, and *J. R. Jackson*
- 3:00 **Break (Spring Lake Ballroom C). Presentations resume at 3:15 pm.**
- 3:15 **Population Dynamics of Alligator Gar in the Trinity River, Texas**  
*Buckmeier, D. L.\**, *N. G. Smith*, *J. W. Schlechte*, and *A. M. Ferrara*
- 3:30 **Feeding Ecology of Introduced Smallmouth Bass in the Devil's River, Texas**  
*K. A. Kollaus\**, *J. S. Perkin*, *R. A. Myers*, and *T. H. Bonner*
- 3:45 **Winter Feeding Ecology of the Blacktail Shiner (*Cyprinella venusta*) in the Llano River**  
*Sullivan, M. L.\*<sup>S</sup>*, and *Y. Zhang*
- 4:00 **Impacts of Golden Alga on Fish Populations in Reservoirs of the Upper Colorado River and Brazos River Basins**  
*VanLandeghem, M.\*<sup>S</sup>*, *M. Farooqi*, *B. Farquhar*, and *R. Patiño*
- 4:15 **Reproductive and Trophic Ecology of Two Sympatrically Occurring Cyprinids in the Rio Grande Basin, Texas**  
*McMillan, S. M.\*<sup>S</sup>*, *J. N. Fries*, and *T. H. Bonner*
- 4:30 **Angler Attitudes and Opinions Concerning Blue Catfish Management at a Local Scale**  
*Neely, B. C.\**, and *S. C. Dumont*
- 4:45 **Attitudes, Opinions, and Economic Impact of Jugline Anglers on Three Texas Reservoirs**  
*Tibbs, J.\**, *T. Hungerford*, and *R. Ott*
- 5:00 **Surveying Texas' Freshwater Catfish Anglers**  
*Schlechte, J. W.\**, *D. L. Buckmeier*, *K. Hunt*, *C. Hutt*, and *J. Leitz*
- 5:30 **Pre-banquet social (hotel atrium)**
- 6:30 **Dinner and awards presentations (Veramendi Ballroom E)**
- 7:30 – 10:00 **Social (raffle and auction will be held during social)**

## TECHNICAL SESSION 2

Saturday, February 12<sup>th</sup>  
Spring Lake Ballroom A/B

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- 7:00 **Past-Presidents Breakfast (Private Dining Room B)**
- 8:00 **Short-term Survival in the Wild of Advanced Florida Largemouth Bass Fingerlings Reared in Hatchery Ponds on Artificial or Natural Food**  
*Forshage, A., C. C. Bonds, T. Owens, and J. G. Martinez\**
- 8:15 **Life History Aspects of a Relict Ironcolor Shiner Population in a Novel Spring Environment**  
*Perkin, J. S. \*<sup>S</sup>, Z. R. Shattuck, and T. H. Bonner*
- 8:30 **Patterns of Endemism and Species Richness of Fishes of the Western Gulf Slope**  
*Maxwell, R. J. \*<sup>S</sup>, and T. H. Bonner*
- 8:45 **Inferring Trophic Resource Partitioning Among Amazonian Floodplain Serrasalmid Fishes from  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$  Stable Isotopes, Stomach Content and Eco-morphological Data**  
*Correa, S. B. \*<sup>S</sup>, and K. O. Winemiller*
- 9:00 **Harvest and Survival of Channel Catfish in Community Fishing Lakes**  
*Munger, C. \**
- 9:15 **Abundance and Distribution of the threatened minnows *Campostoma ornatum* and *Notropis Chihuahua* in the Trans-Pecos Region of Texas**  
*Miyazono, S. \*<sup>S</sup>, and C. Taylor*
- 9:30 **Refining Un-ionized Ammonia Treatments for Golden Alga Control in Striped Bass Production Ponds**  
*Barkoh, A. \*, T. Wyatt, and J. W. Schlechte*
- 9:45 **An Evaluation of Liberal and Conservative Water Use in Fingerling Channel Catfish Production Ponds**  
*Kurten, G. \*, T. Wyatt, A. Barkoh, H. Glenewinkel, and J. Paret*
- 10:00 **Reproductive Ecology of the Red Shiner in the Double Mountain Fork of the Brazos River, Texas**  
*Knabe, D. W. \*<sup>S</sup>, and G. R. Wilde*

**10:15 Developing Fish Habitat Suitability Criteria for the Lower San Antonio River Basin**

*Littrell, B. \*, E. Oborny, K. Mayes, G. Linam, C. Robertson, and D. Geeslin*

**10:30 Using Envelope Curves to Derive Fish habitat Suitability Indices for Instream Flow Assessments**

*Mayes, K. \*, T. Hardy, J. Botros, C. Robertson, B. Littrell, and K. Aziz*

**10:45 Never Enough Data, Never Enough Time: Theoretical and Practical Sticking Points in Determining Environmental Flows**

*Winemiller, K. O. \**

**11:00 Break (Spring Lake Ballroom C). Business meeting commences at 11:15 am**

**11:15 TCAFS Business Meeting (Spring Lake Ballroom A/B)**

**12:30 Adjourn**

## **POSTER PRESENTATIONS**

Spring Lake Ballroom C

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**Effect of Parasites on Reproductive Investment in Three Species of Livebearing Fishes (Family Poeciliidae)**

*S. B. Stoops\*<sup>S</sup>, A. Smith, and R. Deaton*

**Potential Behavioral Reproductive Isolation Between Two Sympatric Livebearing Fishes in Texas: the Endangered Pecos Gambusia (*Gambusia nobilis*) and the Largespring Gambusia (*Gambusia geiseri*)**

*A. N. Ragan\*<sup>S</sup>, A. Haynes, C. Knoll, R. Lewis, J. Sanchez, S. B. Stoops, and R. Deaton*

**An Update on the Current Status of the Endangered Pecos Gambusia (*Gambusia nobilis*) and Comanche Springs Pupfish (*Cyprinodon elegans*) in Phantom Spring, Texas**

*R. Lewis\*<sup>S</sup>, N. Allen, S. B. Stoops, G. P. Garrett, C. W. Kroll, J. West, and R. Deaton*

**Stream Fragmentation Thresholds for Great Plains Pelagic-spawning Fishes**

*J. S. Perkin\*<sup>S</sup>, and K. B. Gido*

**Stable Isotope Analysis Reveals Food Web Structure and Watershed Impacts Along the Fluvial Gradient of a Mesoamerican Coastal River**

*K. O. Winemiller, D. J. Hoeninghaus, A. A. Pease, P. C. Esselman, R. L. Honeycutt, D. Gbanaador, E. Carrera\*<sup>S</sup>, and J. Payne*

**Do Wastewater Treatment Plants Cause Abnormal Effects in Fish?**

*C. Watkins\*<sup>S</sup>, K. O. Winemiller, and M. Mora*

**Survey of Mercury Concentrations in Largemouth Bass (*Micropterus salmoides*), White Bass (*Morone chrysops*), and White Crappie (*Pomoxis annularis*) from Six Dallas-Fort Worth Area Reservoirs**

*J. M. Wadlington\*<sup>S</sup>, and M. M. Chumchal*

**Relationships Between Water Quality and Toxic Golden Alga Blooms in Reservoirs of West Texas**

*M. VanLandeghem\*<sup>S</sup>, M. Farooqi, B. Farquhar, G. Southard, and R. Patiño*

**Calculating Habitat Suitability for Texas Fishes from Expert Perception: a Request for Participation**

*T. Bonner\*, T. Hardy, K. Mayes, and C. Robertson*

**Growth of Blue Catfish in Three Texas Reservoirs**

*J. Tibbs\*, T. Hungerford, and R. Ott*

**Texas Mussels in National Museums: A Survey of Biodiversity Collections for Records of Texas Freshwater Mussels**

*N. Lujan\*, J. Groce, and T. Snelgrove*

**Preliminary Population Estimates, Microhabitat and Gut Content Analyses of the Endangered Clear Creek Gambusia, *Gambusia heterochir***

*R. Deaton\*, P. Diaz, R. Lewis, C. Mason, and M. Montagne*

**An Assessment of Oyster Reef and Shoreline Habitat Use by Estuarine Finfish in East Matagorda Bay and Galveston Bay, Texas**

*W. Balboa, B. Bowling, and M. Stahl\**

*\* - denotes presenting author*

*<sup>S</sup> - denotes student presenter*