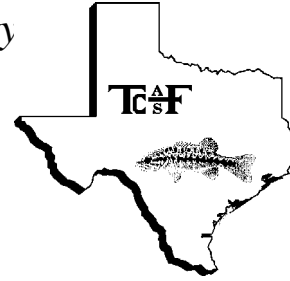


Texas Chapter of the American Fisheries Society

Cherotel, Lake Jackson Texas

Annual Meeting Program

March 2-4, 2007



March 2, Friday

- 12:00 – 5:00 PM **Registration, Exhibitors/Poster Set-up.** Location: Atrium
- 1:00 – 2:50 PM **Modeling with Geographic Information Systems: geo-processing models and the availability of geo-spatial data in Texas workshop.** Craig Scofield, GIS/GPS Systems Analyst and Trainer, Texas Parks & Wildlife Department. Location: Colony I
- 1:00 – 2:50 PM **Challenges to conserving Texas coastal wetlands workshop.** Nathan Kuhn. Texas Parks and Wildlife Department. Location: Colony II
- 3:10 – 5:00 PM **Modeling with Geographic Information Systems: geo-processing models and the availability of geo-spatial data in Texas workshop.** Craig Scofield, GIS/GPS Systems Analyst and Trainer, Texas Parks & Wildlife Department. Location: Colony I
- 3:10 – 5:00 PM **Challenges to conserving Texas coastal wetlands workshop.** Nathan Kuhn. Texas Parks and Wildlife Department. Location: Colony II
- 2:00 – 5:00 PM **Student workshop on resume drafting.** *Name. Affiliation.* Location: Room 129
- 5:30 – 7:30 PM **Professional/Student mixer.** Location: Sea Center (300 Medical Dr., Lake Jackson)
Sponsored by: Randy Rushin with Water Monitoring Solutions. Shrimp boil provided by Bobby Miller with Texas Parks and Wildlife Department's Coastal Fisheries Division

March 3, Saturday

(Cherotel – Texian Room)

Opening Remarks

- 8:00 AM **Welcome to Lake Jackson**

Contributed Paper Session (*S denotes student presenter*)

- 8:15 AM **Assessing ecosystem health in tidally influenced coastal streams.** James Tolan, Janet Nelson, and Cindy Contreras (Texas Parks and Wildlife Department)

- 8:30 AM **Reproductive characteristics of three obligate riverine species from the lower Brazos River.** Casey S. Williams (S) and Timothy H. Bonner (Texas State University – San Marcos)
- 8:45 AM **Conservation status and life history of the chub shiner in the lower Brazos River.** Joshuah S. Perkin (S), Casey S. Williams, and Timothy H. Bonner (Texas State University – San Marcos)
- 9:00 AM **Habitat associations of the fish assemblage within the Big Bend reach of the Rio Grande (Rio Bravo del Norte).** Tom C. Heard (S) and Timothy H. Bonner (Texas State University – San Marcos)
- 9:15 AM **Food habits of the non-indigenous suckermouth catfish in the San Marcos River, Texas: a concern for spring endemics?** Katrina L. Cohen (S), Timothy H. Bonner, and Weston H. Nowlin (Texas State University – San Marcos)
- 9:30 AM **Associations between hydrological connectivity and resource partitioning among sympatric gar species (Lepisosteidae) in a Texas river and associated oxbows.** Clinton R. Robertson (S), Steven C. Zeug, and Kirk O. Winemiller (Texas A&M University)
- 9:45 AM **Occurrence of the Asian fish tapeworm in the Rio Grande: implications for fishes of conservation concern.** Megan G. Bean (S) and Timothy H. Bonner (Texas State University – San Marcos)
- 10:00 – 10:30 AM BREAK**
- 10:30 AM **Historical fish assemblage change in three western gulf slope rivers.** Dennis T. Runyan (S) and Timothy H. Bonner (Texas State University – San Marcos)
- 10:45 AM **Lake Amistad bass release tube related to increased post-tournament mortality in summer.** Mandy K. Scott, John A. Dennis, and Randall A. Myers (Texas Parks and Wildlife Department)
- 11:00 AM **Results of a volunteer angler survey conducted at Fayette County Reservoir, Texas.** Marcos J. De Jesus, Stephan J. Magnelia, and C. Craig Bonds (Texas Parks and Wildlife Department)
- 11:15 AM **Practices and perceptions of Texas anglers towards slot length limits and harvesting largemouth bass.** C. Craig Bonds, John B. Taylor, and Jeremy Leitz (Texas Parks and Wildlife Department)
- 11:30 AM **A comparison of two Texas hatchery management plans on the control of *Prymnesium parvum* during the 2006 striped bass production.** John M. Paret, Dale Lyon, Aaron Barkoh, and J. Warren Schlechte (Texas Parks and Wildlife Department)

- 11:45 AM **Changes in aquatic life use in Texas streams from 1953 to 1986.** Gordon W. Linam (Texas Parks and Wildlife Department) and Clark Hubbs (The University of Texas at Austin)
- 12:00 – 1:30 PM LUNCH**
- 1:30 PM **Effect of dietary lipids on neutral and polarlipids during cold acclimation of fingerling channel catfish.** Clifford C. O'Neal (Texas Parks and Wildlife Department) and Christopher C. Kohler (Southern Illinois University)
- 1:45 PM **Analyzing the significance of chemical versus visual cues for species recognition in male sailfin mollies *Poecilia latipinna*.** Celeste Espinedo (S), Caitlin Gabor, and Andrea Aspbury (Texas State University – San Marcos)
- 2:00 PM **Efforts to recover an endangered catostomid *Chasmistes liorus* in western North America.** Jackie Watson and Michael Mills (Utah Division of Wildlife)
- 2:15 PM **Utilization of microsatellite markers for a preliminary analysis of southern flounder *Paralichthys lethostigma* genetic resources on the Texas Coast: applications for stock enhancement.** Ivonne R. Blandon and Robert R. Vega (Texas Parks and Wildlife Department), R. Ward (USGS/BRD Northern Appalachian Research Laboratory), and Kirk Cammarata (Texas A&M University – Corpus Christi)
- 2:30 PM **How will new coal burning power plants in Texas affect mercury contamination in fish?** Matthew M. Chumchal (S) (University of Oklahoma), Michael C. Slattery, Ray W. Drenner, S. Matthew Drenner, and Leo Newland (Texas Christian University)
- 2:45 PM **Measuring predators' response to stocking larger largemouth bass.** Tony Castillo and J. Warren Schlechte (Texas Parks and Wildlife Department)
- 3:00 – 3:30 PM BREAK**
- 3:30 PM **Developing nutrient criteria for reservoirs – what's happening and how will this impact you?** J. Warren Schlechte, John B. Taylor, and Patricia Radloff (Texas Parks and Wildlife Department)
- 3:45 PM **A nonparametric, multivariate approach to comparing length and weight distributions.** John B. Taylor and J. Warren Schlechte (Texas Parks and Wildlife Department)
- 4:00 PM **Florida largemouth bass introgression following annual supplemental stockings in Caddo Lake, Texas.** Michael W. Brice and Michael J. Ryan (Texas Parks and Wildlife Department)

- 4:15 PM **Distribution and potential impacts of invasive fishes within wadeable streams of the Clear Lake watershed.** Dianna Ramirez (S) and George Guillen (University of Houston – Clear Lake)
- 4:30 PM **Lake Conroe: a case history of integrated plant management for hydrilla control.** Mark A. Webb and Earl Chilton II (Texas Parks and Wildlife Department)
- 4:45 PM **Pollution response: involvement of TPWD Kills and Spills Team.** Greg Conley, Jack Ralph, Joan Glass, and Stephen Twidwell (Texas Parks and Wildlife Department)

Evening Social Activities

- 6:00 – 7:00 **Happy Hour/Reception.** Location: Texian Room
- 7:00 – late **Banquet and Auction.** Location: Colony Ball Room

March 4, Sunday

- 7:30 AM **Past-Presidents Breakfast:** Cherotel's Three-Oaks Restaurant
- 8:30 – 9:30 AM **Restoration, Creation and Recovery of Wetlands Special Symposium**
Location: Texian Room (see symposium program on page 5 for details)
- 9:30 – 11:30 AM **TCAFS Business Meeting and Awards Program** Location: Texian Room
Chapter Award Presentations, Greg Conley/Art Morris
Student Scholarship Award Presentations, Perry Trial
Clark Hubbs Student Research Award, Ray Mathews

POSTER PRESENTATIONS: Saturday (8:00 AM to 5:00 PM) and Sunday (8:00 AM to 10:00 AM)

(Cherotel – Atrium)

- 1. Temporal variation in mean weight and body condition of trophy largemouth bass in Lake Fork Reservoir, Texas.** Aaron K. Jubar and Kevin W. Storey (Texas Parks and Wildlife Department)
- 2. Post-larval settlement dynamics and habitat preference of young-of-the-year tarpon in Texas embayments.** William Dailey and André M. Landry, Jr. (Texas A&M University – Galveston)
- 3. Using creel surveys and a Geographic Information System to access marketing and demographics data in support of an urban fishing program.** John B. Taylor, Mandy K. Scott, Jason Henegar, Robert K. Betsill, Fred Janssen, and Craig Scofield (Texas Parks and Wildlife Department)
- 4. Can barley straw or the probiotic, liquid live micro-organisms system control *Prymnesium parvum* and its ichthyotoxicity?** Aaron Barkoh, J. Warren Schlechte, John Paret, Dale Lyon, and Drew Begley (Texas Parks and Wildlife Department)
- 5. Largemouth bass population recovery following hydrilla control in Lake Bellwood, Texas.** Richard A. Ott, Jr. and Timothy J. Bister (Texas Parks and Wildlife Department)
- 6. Mercury concentrations in largemouth bass from six North Texas reservoirs.** S. Matthew Drenner, Ray W. Drenner, and Leo Newland (Texas Christian University), Mandy Stone (PBS&J), and Matthew M. Chumchal (University of Oklahoma)
- 7. Use of preserved museum fish to evaluate mercury contamination in two Oklahoma rivers.** J. Jaron Hill, Ray W. Drenner, and John E. Pinder (Texas Christian University), and Matthew M. Chumchal (University of Oklahoma).

Special Symposium: Restoration, Creation and Recovery of Wetlands

(Cherotel – Texian Room)

- | | |
|---------|---|
| 8:30 AM | Introduction: symposium purpose and scope. Art Morris, President-Elect, Texas Chapter of the American Fisheries Society |
| 8:40 AM | Goose Island Shoreline Stabilization and Marsh Restoration Project – Phase One. Kay Jenkins (Texas Parks and Wildlife Department) |
| 8:55 AM | An overview of wetland restoration projects in West Bay. Jarrett O. Woodrow, Jr. (Texas Parks and Wildlife Department) |
| 9:10 AM | Water and wetlands for the future: a water conservation model at Richland Creek Wildlife Management Area. Jeff Gunnels (Texas Parks and Wildlife Department) |