Louisiana Chapter of the American Fisheries Society
Thursday, 17 May 2012 (Day 1)

Presenting author is denoted by an asterisk (*). Student presenters are underlined. Abstract page is listed in parentheses

8:00 AM   Registration

8:20 AM   Welcome and Opening Remarks

8:30 AM   Keynote Presentation: Water-- Louisiana’s Defining Resource. Mark Davis*, Tulane Institute for Water Resources Law and Policy (Page 9)

9:00 AM   Keynote Presentation: Instream Flow in Southern States. Dennis Riecke*, Instream Flow Council, Mississippi Department of Wildlife, Fisheries, and Parks (Page 10)

9:30 AM   Surface water management in Louisiana using cooperative agreements for withdrawal of running water of the state: ACT 955 of 2010. Thomas Van Biersel*, Louisiana Department of Natural Resources (Page 16)


10:00 AM   Break 1: Fifteen minutes

10:15 AM   Response of imperiled Okaloosa Darters to restoration of stream habitat. David B. Reeves*, Frank Jordan, Howard L. Jelks, and William Tate (Page 43)

10:30 AM   Assessing optimal salinity levels for nekton assemblages in the lower Barataria estuary. J. Brian Alford* (Page 11)

10:45 AM   Southeastern blue suckers (Cycleptus meridionalis) forgotten, but not lost yet: Low catches and limited range of targeted habitats suggest continued concerns. Devon C. Oliver*, William E. Kelso, and Michael D. Kaller (Page 37)
Day 1 Continued.

11:00 AM  Patterns of richness and endemism of fishes of the Western Gulf Slope with an emphasis on the biogeographical role of the eastern drainages. Robert J. Maxwell* and Timothy H. Bonner (Page 33)

11:15 AM  Microgeographic population structure in gulf shrimp along the Louisiana coastline. Mollie F. Cashner* and Kyle R. Piller (Page 19)

11:30 AM  Lunch on your own: One hour and thirty minutes

1:00 PM  The naked truth: the effects of a low head dam on the population genetic structure of the naked sand darter (Ammocrypta beanii) in the Pearl River, Louisiana. David T. Camak* and Kyle R. Piller (Page 18)

1:15 PM  Reassessment of population trends and conservation status of Louisiana’s rare freshwater fishes using data from natural history collections. Justin G. Mann* and Henry L. Bart Jr. (Page 32)

1:30 PM  Commercial-scale sperm cryopreservation for blue catfish. E. Hu* and Terrence Tiersch (Page 24)

1:45 PM  Ovarian cycle and fisheries management: the channel catfish story. Noel D. Novelo* and Terrence R. Tiersch (Page 35)

2:00 PM  Application of biotechnology in addressing Asian carp management initiatives. Jill A. Jenkins (Page 25)

2:15 PM  Physiological reproductive seasonality of spotted gar, Lepisosteus oculatus, in the upper Barataria Estuary, Louisiana. Emily E. Rombach*, Allyse M. Ferrara, and Quenton C. Fontenot (Page 44)

2:30 PM  Break 2: Fifteen minutes

2:45 PM  The effects of oyster harvest on resident oyster reef communities and reef structure in coastal Louisiana. Steve Beck* and Megan La Peyre (Page 15)

3:00 PM  An industry in decline: finding the optimal oyster stock and ideal temperature and salinity conditions for the commercial production of Louisiana oysters (Crassostrea virginica). Justin M. Leonhardt*, John E. Supan, and Jerome LaPeyre (Page 30)
Day 1 Continued.


3:30 PM Fish assemblage diversity at revetted banks in the Pearl River and the response of these assemblages to 2011 Temple Inland Fish Kill. Jose A. Vazquez*, Michael D. Kaller, and William E. Kelso (Page 46)

3:45 PM Trace element anomalies in otolith microchemistry of red snapper (Lujanus campechanus): before and after the Deepwater Horizon oil spill. Marshall J. Kormanec*, James Cowan Jr., and Stephen Potts (Page 27)


4:15 PM Estimating natural mortality rates for juvenile white shrimp (Litopenaeus setiferus) along an estuarine salinity gradient. Marvin Mace III* and Lawrence Rozas (Page 31)

4:30-5:30PM Poster Session

Catching crabs with a cost-efficient concoction. Angelle N. Anderson* and Julie A. Anderson (Page 12)

Derelict crab trap rodeos. Julie A. Anderson (Page 9)

Physiological biomarkers of hypoxic stress in red swamp crayfish Procambarus clarkii from field and laboratory experiments. Christopher P. Bonvillain*, D. Allen Rutherford, William E. Kelso, and Christopher C. Green (Page 17)

Effects of potassium ion concentration on growth, survival, and ion regulation in Gulf killifish (Fundulus grandis). Calvin Fisher*, Christopher Green, and Charlotte Bodinier (Page 23)
Day 1 Continued.

The effect of oil dispersants and salinity on the biodegradation of south Louisiana crude oil and impacts on gulf killifish *Fundulus grandis*. Adam Kuhl* and Christopher C. Green (Page 28)

Distribution patterns of fish communities associated with northwest Gulf of Mexico hard-bottom habitat. Todd A Langland* and James H. Cowan (Page 29)

Production of river bathymetry maps using a low cost single beam sonar unit. Devon C. Oliver*, William E. Kelso and Michael D. Kaller (Page 36)

Mississippi River freshwater diversions: highlights of biomonitoring results from the Davis Pond and Caernarvon operations. Heather M. Olivier*, Beth B. Bourgeois, Paul J. Conzelmann, Rassa Draugelis-Dale, and Jill A. Jenkins (Page 38)

Physiological effects of terrestrial stranding on Gulf killifish (*Fundulus grandis*). Paige E. O’Malley*, Charles A. Brown, Joshua T. Patterson, and Christopher C. Green (Page 39)

Effects of differential lipids levels in broodfish diets for Gulf killifish (*Fundulus grandis*) spawning in indoor recirculation systems. Joshua T. Patterson* and Christopher C. Green (Page 40)

Habitat preference of fishes in nearshore central Louisiana: Integrating bioenergetics, spatial, and individual based models. Stephen E. Potts (Page 42)

Diet of red snapper (*Lutjanus campechanus*) on natural hard-bottom banks in the northwestern Gulf of Mexico. Brittany D. Schwartzkopf* and James H. Cowan Jr. (Page 47)

6:00-9:00PM Social, student raffle and auction – Spanish Moon (1109 Highland Road)
8:00 AM  Registration


9:00 AM  A marine fish out of seawater and other interesting occurrences of fishes in Louisiana’s inland waters. Michael H. Doosey* and Henry L. Bart Jr. (Page 21)

9:15 AM  The relationship of lead net soak time to sample catch rate. R. Lynn Mathews and Richard D. Moses* (Page 34)

9:30 AM  Economic feasibility of production scenarios for cocahoe minnows in Louisiana. Jill Christoferson*, Julie A. Anderson, Rex Caffey, and Christopher C. Green (Page 20)

9:45 AM  Habitat influences on feeding ecology of red snapper (Lutjanus campechanus): a comparison between shelf edge bank reefs and artificial reefs in the northern Gulf of Mexico. Kirsten A. Simonsen*, Kevin M. Boswell, and James H. Cowan, Jr. (Page 45)

10:00 AM  Break 1: Fifteen minutes

10:15 AM  Business Meeting, Awards Presentations, and Officer Elections