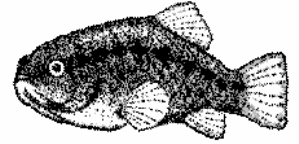


DESERT FISHES COUNCIL
CONSEJO DE LOS PECES DEL DESIERTO

*Dedicated to the Conservation of North
America's Arid Land Ecosystems*



33rd Annual Meeting Sul Ross State Univ., Alpine TX 15--18 Nov. 2001

SCHEDULE OF PRESENTATIONS

THURSDAY MORNING (15 November)

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|------|--|------|--|
| 0900 | Pister E. P. DFC Executive Secretary. | 0920 | Starnes, L. (Assistant Regional Director, USFWS Region 2). Opening remarks. |
| 0910 | Allan, N. Local Committee Chair. | | |
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ECOREGION REPORTS (M. Andersen, Moderator)

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| 0930 | Parmenter S.*; Becker D.; Keeney S.; Miller R.; Millosovich J.; Penix S.; Russi R. 2001 California report. | 1045 | Stefferd J.*; Bettaso R.; Voeltz J.; Gurtin, S.; Blasius, H.; Stefferud S.; Marsh P.; Sjoberg J. Lower Colorado River area report. |
| 0945 | Reid S.*; Munhall A.; White R.; Allen C.; Tinniswood B.; Edwards C.; Smith R.; Chappell P. Extreme NW Great Basin (Oregon--NE California) area report. | 1100 | Brooks J.*; Propst D.; Hoagstrom C.; Platania S.; Turner T.; Wiley B. Native fish research management in Upper/Middle Rio Grande Basin, 2001. |
| 1000 | Cook A.*; Martinez C.; Clemmer G.; Goochild S.; Heinrich J.; Scopettone G.; Sevon M.; St George D. Nevada area report. | 1115 | Garrett G.; Edwards R.; Allan N.* Desert fishes research and management in Texas during 2001. |
| 1015 | Andersen M. Bonneville Basin report | 1130 | Varela-Romero A.*; Rufz-Campos G.; Camarena-Rosales F.; Sanchez-Gonzalez S.; de la Rosa-Velez J.; Villareal-Lizarraga A. Study and conservation of native fishes in northwest Mexico: 2001. |
| 1030 | Chart T.*; Mueller G.; Pfeifer F.; Modde T.; Andersen M. Upper Colorado River Basin area report. | 1145 | Contreras Balderas S. Northeast Mexico area coordinator report. |
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ALMUERZO (1200-1400)

THURSDAY AFTERNOON (15 November)

THE HUBBS STUDENT AWARD PAPERS (M.R. Douglas, Moderator)

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| 1400 | Hulsey C.*; Hendrickson D.; Marks J. Ontogeny of feeding and functional morphology in <i>Herichthys minckleyi</i> . | 1515 | Tech C. Reproductive behavior of the Comanche Springs and Leon Springs pupfishes. |
| 1415 | Collyer M.*; Novak J.; Stockwell C. Analysis of morphological variation among White Sands pupfish (<i>Cyprinodon tularosa</i>) populations using geometric morphometric techniques | 1530 | Kloeppel H.*; Marks J.; Hendrickson D. Interactions of an endemic snail and fish: Negative effects of molluscivore presence on snail density. |
| 1430 | Williamson C.*; Hendrickson D; Marks J. Competitive interactions between an invasive and endemic cichlid in Cuatro Cienegas, Mexico: Evidence from stable isotopes and field experiments. | 1545 | Perkins-Keleher M. Bioassessments and determining the ecological integrity of Utah's desert wetlands. |
| 1445 | Rogowski D.*; Stockwell C. Indirect effects of snail distribution on the White Sands pupfish (<i>Cyprinodon tularosa</i>). | 1600 | Stephens M.*; Hendrickson D.; Arsuffi, T. Heredity of trophic polymorphism of an endangered Mexican cichlid fish, <i>Herichthys minckleyi</i> . |
| 1500 | Carson E The relationship between genetic and environmental variation within a region of contemporary hybridization between two pupfishes endemic to Cuatro Cienegas, Mexico. | 1615 | McPhee M. Mechanisms of displacement of the Rio Grande sucker by the white sucker in the upper Rio Grande. |
| | | 1630 | Harstad D.*; Stockwell C. Costs of parasitism (Diplostomatidae) to male White Sands pupfish (<i>Cyprinodon tularosa</i>). |
| | | 1645 | Cohen A.*; Hendrickson D.; Marks J. Cuatro Cienegas yesterday and today: a look at historic and modern photographs |

EVENING MIXER AT THE KOKERNOT LODGE, SRSU CAMPUS (TBA)

FRIDAY MORNING (16 November)

AQUATIC FAUNA OF THE NORTHERN CHIHUAHUAN DESERT (N. Allan, Moderator)

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| 0830 | Urbanczyk K. Contemporary water supply and availability in the northern Chihuahuan Desert. | 1015 | Garrett G. Innovative approaches to recover endangered species. |
| 0845 | Sharp J. Jr.*; Boghici R.; Uliana M. Groundwater systems feeding the springs of northern Trans-Pecos Texas. | 1030 | Schmidt J.*; Everitt B.; Richard G. Hydrology, geomorphology, and transformation of the Rio Grande/Rio Bravo. |
| 0900 | Scudday J. My favorite fishing holes in west Texas: where did they go? | 1045 | Platania S. Fishes of the Rio Grande in the northern Chihuahuan Desert. |
| 0915 | Echelle A.A.*; Echelle A.F.; Contreras Balderas S.; Lozano Vilano M. Pupfishes of the northern Chihuahuan Desert: Perspectives on their conservation. | 1100 | Edwards R.*; Garrett G.; Marsh-Matthews E. The fish communities inhabiting the Rio Conchos basin and Middle Rio Grande, Mexico and U.S.A., with emphasis on their conservation and status. |
| 0930 | Hubbs C. Environmental causes for endemism in the Chihuahuan Desert, with examples from <i>Gambusia</i> . | 1115 | Howells R. Declining status of freshwater mussels in the Rio Grande, with comments on other bivalves. |
| 0945 | Lang B.*; Gervasio V.; Berg D.; Guttman S.; Allan N.; Gordon M. Gammarid amphipods of northern Chihuahuan Desert spring systems: An imperiled fauna. | 1130 | Hoagstrom C. Historical and recent distributions of Lower Pecos River fishes. |
| 1000 | Karges J. Aquatic conservation and The Nature Conservancy in west Texas. | 1145 | Stefferd J.*; Propst D. Assemblages of fishes in the Guzman Basin, Chihuahua, Mexico. |

ALMUERZO (1200-1400)

FRIDAY AFTERNOON (16 November)

ECOLOGICAL PROCESSES (S. Ross, Moderator)

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| 1400 | Modde T.*; Kitcheyan C. Seasonal movements patterns of Colorado pikeminnow in regulated tributaries of the Green River subbasin. | 1500 | Rissler P.*; Scopettone G. Population viability analysis of Independence Lake Lahontan cutthroat trout. |
| 1415 | Kitcheyan D.*; Modde T. Small scale movement patterns of Colorado pikeminnow in regulated tributaries along the Green River. | 1515 | Mueller G.*; Marsh P. Lost, a desert river and its native fishes: A historical perspective of the lower Colorado River. |
| 1430 | Dudley R.*; Platania S. Downstream transport rates of passively drifting particles and larval Colorado pikeminnow (<i>Ptychocheilus lucius</i>) in the San Juan. | 1530 | Kodric-Brown A.*; Rosenfield J. Tempo and mode of hybridization: differences in competitive ability between populations of Pecos pupfish. |
| 1445 | Dowling T.*; Kelsen A.; Markle D. Mitochondrial DNA variation among year classes of endangered suckers of Klamath Lake, Oregon. | 1545 | Ross S.*; Modde T. Age determination and life history aspects of the roundtail chub, <i>Gila robusta</i> (Cyprinidae), in the Yampa River canyon, Colorado. |
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DFC BUSINESS MEETING 1600--1700 (P. Pister/ D. Propst, Moderators)

DFC BARBEQUE –CHIHUAHUAN DESERT RESEARCH INSTITUTE (TIME TO BE ANNOUNCED)

SATURDAY MORNING (17 November)

GENERAL ICHTHYOLOGY AS IT RELATES TO CONSERVATION (S. Norris, Moderator)

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| 0900 | Golden M.*; Holden P.; Heinrich J.
The effect of mechanical removal of nonnative red shiner (<i>Cyprinella lutrensis</i>) on re-establishment of the endangered woundfin (<i>Plagopterus argentissimus</i>) in the Virgin River, Nevada and Arizona. | 0945 | Schwemm M.*; Unmack P. Native castostomids as prey of introduced largemouth bass in a central Arizona stream. |
| 0915 | Minckley C.*; Gobalet K.; Hardin K.
Report on a collection of fish remains from the Little Colorado River canyon, Arizona. | 1000 | Camarena-Rosales F.*; Ruiz-Campos G.; Varela-Romero A.; Sanchez-Gonzalez S.; De la Rosa-Velez J. Preliminary aspects of genetic and morphological variation of native trout from northwestern Mexico. |
| 0930 | Reid S.*; Kettrtad J. Modoc sucker and the hybridization threat, fact or fiction? | 1015 | Norris S.*; Fischer J.; Minckley W. Are the world's fish faunas well known? A preliminary examination of <i>Gila</i> from northwestern Mexico. |
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SPECIES-LEVEL ECOLOGY (P. Holden, Moderator)

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| 1030 | Abate P.*; Holden P.; Welker T.
Razorback sucker, <i>Xyrauchen texanus</i> , studies on Lake Mead, Nevada and Arizona, 2000-2001. | 1115 | Heinrich J.*; Grode J. Abundance of Moapa White River springfish, <i>Crenichthys baileyi moapae</i> , in the Muddy River with recent surveys of other Muddy River native fish. |
| 1045 | Davenport S.*; Smith J.; Altenbach C. Propagation of Rio Grande silvery minnow, <i>Hybognathus amarus</i> . | 1130 | Connor P.*; Hardy T.; Bartsch N. An assessment of the springflow and instream flow requirements of the fountain darter in Comal and San Marcos Springs. |
| 1100 | Swanson B.*; Gibb A.; Marks J.; Hendrickson D.; Williamson C.
Intraspecific competition in a polymorphic cichlid, <i>Herichthys minckleyi</i> : Does variation in jaw morphology lead to resource partitioning? | 1145 | Blasius H. Chemical removal of green sunfish (<i>Lepomis cyanellus</i>) from Sabino Creek, Arizona. |
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ALMUERZO (1200-1400)

SATURDAY AFTERNOON (17 November)

RESTORATION, EVALUATION, MANAGEMENT (S. Stefferud, Moderator)

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| 1400 | Stefferud S.*; Stefferud J. Can conservation be achieved through Section 7 (ESA)? Gila topminnow in Redrock Canyon (AZ) -- a case study. | 1530 | Hendrickson D.*; Cohen A.; Hulseay D.; Marks J. Detailed studies of the <i>Herichthys minckleyi</i> (Cichlidae) population in the Poza Escobedo system, Cuatro Ciénegas, Coahuila, Mexico, its relationship with snails (<i>Mexipyrgus carranzae</i>) and temperature, and notes about other biota. |
| 1415 | Wares J.*; Turner T. Conservation genetics of native southwestern trout. | | |
| 1430 | Contreras Balderas S.*; Lozano Vilano M.; Garcia Ramirez M. Indices of biological and bioecological integrity in the Lower Rio Grande, Mexico. | 1545 | Alo D.*; Turner T. Genetic diversity and the effective population size of the endangered Rio Grande silvery minnow: implications for species recovery. |
| 1445 | Contreras Balderas S.*; Lozano Vilano M.; Garcia Ramirez M. Index of Biological Integrity: Historic version for the Rio Sabinas, Coahuila, Mexico. | 1600 | Douglas M.E.*; Douglas M.R. Biodiversity of catostomids in Arizona with emphasis on the Little Colorado River form. |
| 1500 | Lema S.*; Watters J.; Nevitt G. Considering alternative reproductive phenotypes in habitat and species restoration. | 1615 | Hendrickson D.*; Garcia de Leon F.; Wilcox T.; Hillis D. Homoplasy and morphological convergence in the Mexican blindcat genus <i>Prietella</i> . |
| 1515 | Douglas M.R.*; Douglas M.E. Genetic variation in speckled dace (<i>Rhinichthys osculus</i>) from the Colorado River Basin. | | |
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Autumn "Gallery Night" -- a local arts festival in downtown Alpine
(free food and drink)

POSTERS (alphabetically)

Allan N. Conservation of threatened and endangered fishes of west Texas.

Cohen K.; Hendrickson D.; Hulsey D. Investigation of oral jaw polymorphism and functional morphology in *Herichthys minckleyi*.

Keleher C.; Staley K. Developing Standard Guidelines for Establishing Biologically Defensible Recovery Goals for Threatened and Endangered Species'

Kepner W.; Baker J.; Peck D.; Kaufmann P.; Hughes R.; Kinney W.; Chaloud D.; Jones K. Aquatic stream indicator development in the western United States: Preliminary results for Arizona, Nevada, and Utah.

Propst D.; Platania S.; Gottlieb S. Preparation of a new, multimedia book on New Mexico fishes.

Remshardt W.; Watts H. Habitat use by an assemblage of fishes in the Middle Rio Grande, New Mexico.

Robertson M.; Oborny E.; Arsuffi T.; Groeger A.; Hall R. Variable flows and biodiversity associated with high volume springs of the Edwards Plateau, Texas.

Rosenfield J.; Kodric-Brown A. Population structure effects on the rate of introgression between sheepshead minnow and Pecos pupfish.

Thomas C.; Bonner T.; Garrett G.; Arsuffi T. Effects of *Micropterus dolomieu* on habitat selection of fishes from the Devils River, Texas.
