

39th Annual Meeting
14-18 November 2007
Ventura, California

Desert Fishes Council
Consejo de los Peces  del Desierto

Wednesday, 14 Nov. 2007

- 17:00 - 20:00 Registration, reg. package pickup and submittal of presentations.
Location: Pierpont Hotel, Camulos Rooms - Pavilion.
- 17:00 - open Informal Social and discussions: Pierpont Hotel, TBA (check at registration)

Thursday, 15 Nov. 2007

- 09:00 - 12:00 GENERAL SESSION - 1 : Pierpont Hotel, Pavilion.
- 12:00 - 13:30 LUNCH
- 13:30 - 18:00 GENERAL SESSION - 2 : Pierpont Hotel, Pavilion.
- 19:00 - open DEVIL'S HOLE - Informal Discussion Session : Pierpont Hotel, Pavilion.

Friday, 16 Nov. 2007

- 09:00 - 12:00 GENERAL SESSION - 3 : Pierpont Hotel, Pavilion.
- 12:00 - 13:30 LUNCH
- 13:30 - 16:00 GENERAL SESSION - 4 : Pierpont Hotel, Pavilion.
- 16:00 - 17:00 POSTER SESSION / COFFEE BREAK : Pierpont Hotel, Pavilion & Veranda.
- 17:00 - 18:00 BUSINESS MEETING: Pierpont Hotel, Pavilion.
- 19:00 - open BANQUET: Pierpont Hotel, Pavilion.

Saturday, 17 Nov. 2007

- 09:00 - 13:00 GENERAL SESSION - 5 : Pierpont Hotel, Pavilion.
- 13:00 CLOSING REMARKS

Sunday, 18 Nov. 2007

- 08:00 - 17:00 FIELD TRIPS: meet at Pierpont Hotel, Front Lobby.
- Channel Islands
- Local Streams

**39th Annual Meeting
GENERAL PROGRAM**

A printable program with abstracts is available online at
http://desertfishes.org/meetings/2007/DFC_Program_2007_Abstracts_2_sided.pdf

Thursday, 15 Nov. 2007

09:00 - 12:00 GENERAL SESSION - 1
Location: Pierpont Hotel, Pavilion.

2007-11-15 09:00 **OPENING REMARKS**

2007-11-15 09:15 **The Cuatrociénegas Scientific Research Station: Accomplishments during the first year of Peace Corps support and continued DFC support**

Vélez, Cristina E.*¹; Hendrickson, Dean A.²; Brandewie, Chris H.¹. (1-U.S. Peace Corps, México and Comisión Nacional de Áreas Naturales Protegidas de México, Cuatrociénegas, Coahuila, México; 2-University of Texas, Texas Natural Science Center and Section of Integrative Biology).

2007-11-15 09:30 **Status of Warner sucker in the Warner basin, Oregon**

Scheerer, Paul D.*¹; Heck, Mike¹; Jacob, Steve¹. (1-Oregon Department of Fish and Wildlife, Conservation and Recovery Program).

2007-11-15 09:45 **Genetic relationship of *Cottus bairdi* in Butterfield Springs, Nevada, to other populations of *Cottus bairdi***

Shiozawa, Dennis K.*¹; Christensen, Daniel¹; Evans, R. Paul². (1-Brigham Young University, Department of Biology; 2-Brigham Young University, Department of Micro and Molecular Biology).

2007-11-15 10:00 **The use of multivariate statistics in long-term monitoring programs**

Kesner, Brian R.*¹; Marsh, Paul C.¹. (1-Native Fish Lab, Arizona State University).

2007-11-15 10:15 **Investigations into the native fish fauna of the Goose Lake Basin using a statistically rigorous sampling design**

Heck, Michael P.*¹; Scheerer, Paul D.¹; Jacobs, Steven E.¹. (1-Oregon Department of Fish and Wildlife, Native Fish Investigations Project).

2007-11-15 10:30 **Near extinction of the Río Salado darter, *Etheostoma segrex* (Percidae) and the role of water management and *Arundo donax* in its decline**

Hendrickson, Dean A.*¹; Lang, Nick²; Lozano Vilano, Ma. de Lourdes³. (1-University of Texas, Texas Natural History Collection, Austin, Texas, USA; 2-Dept. Biology, St. Louis University, St. Louis, Missouri, USA; 3-Facultad de Biología, Universidad Autónoma de Nuevo León, Monterrey, Nuevo León, México).

2007-11-15 10:45 **Native fish conservation and climate variability in the southwestern United States**

Duncan, Doug*¹; Garfin, Gregg². (1-US Fish and Wildlife Service; 2-University of Arizona).

2007-11-15 11:00 **Hybridization and population structure of the Zuni bluehead sucker (*Catostomus discobolus yarrowi*) in Arizona and New Mexico**
Schwemm, Michael R.*¹; Schooley, Jason D.¹; Marsh, Paul C.¹; Dowling, Thomas E.¹. (1-Arizona State University, School of Life Sciences).

2007-11-15 11:15 **National Fish Habitat Action Plan and More Fish Campaign**
Wolniakowski, Krystyna U.*¹; Busiahn, Tom²; Estes, Christopher³; Stedman, Susan-Marie⁴; Cushing, Janet⁵. (1-National Fish and Wildlife Foundation, Portland; 2-U.S. Fish and Wildlife; 3-Alaska Dept. Fish and Game; 4-N.O.A.A. Fisheries, Maryland; 5-U.S. Geological Survey, Virginia).

2007-11-15 11:30 **The Western Native Trout Initiative – road map for the proposed Desert Fishes Habitat Partnership?**
Voeltz, Jeremy*¹; Meka, Julie². (1-U.S. Fish and Wildlife Service; 2-Arizona Game and Fish Department).

2007-11-15 11:45 **Desert Fishes Habitat Partnership: Preparing to meet National Fish Habitat Action Plan goals in arid landscapes**
Allan, Nathan¹; Cantrell, Christopher J.*²; Sjoberg, Jon³. (1-Desert Fishes Council; 2-Arizona Game and Fish Department; 3-Nevada Department of Wildlife).

12:00 - 13:30 LUNCH

13:30 - 18:00 GENERAL SESSION - 2
Location: Pierpont Hotel, Pavilion.

2007-11-15 13:30 **Status of least chub, *Iotichthys phlegethontis*, in Utah**
Hines, Laura L.C.*¹. (1-Utah Division of Wildlife Resources).

2007-11-15 13:45 **California Bioregion Report**
Parmenter, Steve*¹; Yoshioka, Glenn¹; Russi, Terry². (1-California Department of Fish and Game; 2-Bureau of Land Management).

2007-11-15 14:00 **Population status and habitat of the Saltillo chub, *Gila modesta***
Gómez Garza, Miguel Ángel*¹; Chavarria Gallegos, Roberto¹; Garza Tobon, Daniel¹; Valdes Gzz., Arcadio². (1-Consejo Mexicano de Peces del Desierto; 2-Universidad Autónoma Nuevo Leon).

2007-11-15 14:15 **Desert fishes research and management in Texas during 2007**
Edwards, Robert J.*¹; Garrett, Gary P.²; Allan, Nathan L.³; Hubbs, Clark⁴. (1-University of Texas-Pan American, Department of Biology, Edinburg, TX 78539; 2-Texas Parks and Wildlife Department, HoH Fisheries Science Center, Ingram, TX 78025; 3-U.S. Fish and Wildlife Service, Austin, TX 78578; 4-University of Texas at Austin, Department of Integrative Biology, Austin, TX 78712).

2007-11-15 14:30 **Translocation of Mexican stonerollers, *Camptostoma ornatum*, in southeastern Arizona: A cooperative success**
Kline, S. Jason*¹. (1-Arizona Game and Fish Department).

2007-11-15 14:45 **Reintroduction of spikedace and loach minnow at Muleshoe Ranch**
Richardson, Mary*¹; Blasius, Heidi². (1-U.S. Fish and Wildlife Service, Arizona Ecological Services Office; 2-U.S. Bureau of Land Management, Safford District Office).

2007-11-15 15:00 **Rio Grande silvery minnow conservation through augmentation and reintroduction**
Remshardt, W. Jason*¹. (1-U.S. Fish and Wildlife Service, New Mexico Fishery Resources Office).

2007-11-15 15:15 **An assessment of long-term aquatic habitat change and *Gila* topminnow population trends for Cienega Creek, Pima County, Arizona**

Simms, Jeffrey R.*¹; Bodner, Gita; Simms, Karen M.; Duncan, Douglas K.. (1-U.S. Bureau of Land Management; 2-The Nature Conservancy, Arizona Chapter; 3-U.S. Bureau of Land Management; 4-U.S. Fish and Wildlife Service).

2007-11-15 15:30 Northeast Mexico Area, and Mexico National Coordinator reports

Contreras-Balderas, Salvador¹; Hendrickson, Dean A.*². (1-Bioconservación A.C.; 2-Texas Natural Science Center, University of Texas at Austin).

2007-11-15 15:45 Report of a possible new pupfish, *Cyprinodon*, from the Río Sabinas basin, Coahuila, Mexico

Garza Tobon, Daniel*¹; Chavarria Gallegos, Roberto¹; Gómez Garza, Miguel Ángel¹; Valdes Gzz., Arcadio². (1-Consejo Mexicano de Peces del Desierto; 2-Universidad Autónoma Nuevo Leon).

2007-11-15 16:00 Top-down and bottom-up effects on morphometric shape variation among populations of Utah chub, *Gila atraria*

Belk, Mark A.*¹; Johnson, Jerald B.¹; Schaalje, G. Bruce². (1-Department of Biology, Brigham Young University; 2-Department of Statistics, Brigham Young University).

2007-11-15 16:15 2007 Nevada Area Report: Overview and status of Nevada's desert fishes and rare amphibians; current research and management projects in the state

Miskow, Eric*¹; Goodchild, Shawn²; Heinrich, Jim³; Hobbs, Brian³; Sjoberg, Jon³; Clemmer, Glenn¹. (1-Nevada Natural Heritage Program; 2-U.S. Fish and Wildlife Service, Southern Nevada Field Office; 3-Nevada Department of Wildlife).

2007-11-15 16:30 Characterization of genetic structure and levels of variation in wild and captive populations of Devils River minnow

Conway, Carole A.*¹; Fries, Joe N.²; Keeler-Foster, Connie¹. (1-Dexter National Fish Hatchery & Technology Center, U.S. Fish & Wildlife Service; 2-San Marcos National Fish Hatchery & Technology Center, U.S. Fish & Wildlife Service).

2007-11-15 16:45 Setbacks and progress in recovery of the Devils Hole pupfish during 2007

Barrett, Paul J.*¹; Wullschleger, John²; Sjoberg, Jon³. (1-U.S. Fish and Wildlife Service, Nevada Office; 2-National Park Service; 3-Nevada Department of Wildlife).

2007-11-15 17:00 Variation in visual estimates of abundance of adult and larval Devils Hole pupfish

Bower, Michael R.*¹. (1-Death Valley National Park).

2007-11-15 17:15 Population assignment, hybridization, and genetic drift in refuge populations of the Devils Hole pupfish *Cyprinodon diabolis*

Zegers, Gerard P.*¹; Baker, Sherri¹; Echelle, Anthony²; Storey, Krista¹; Keeler-Foster, Connie¹. (1-Dexter National Fish Hatchery and Technology Center; 2-Oklahoma State University, Department of Zoology).

2007-11-15 17:30 Have refuge programs for the Desert pupfish complex been effective in conserving genetic diversity?

Echelle, Anthony A.*¹; Koike, Haruku¹; Loftis, Dustin¹; Van Den Bussche, Ronald A¹. (1-Oklahoma State University, Department of Zoology).

2007-11-15 17:45 Possible environmental/behavioral manipulations to increase population size in (*Cyprinodon diabolis*)

Liu, Robert K.*¹. (1-Ornament Magazine).

19:00 - open DEVIL'S HOLE - Informal Discussion Session

Location: Pierpont Hotel, Pavilion.

Friday, 15 Nov. 2007

09:00 - 12:00 GENERAL SESSION - 3

Location: Pierpont Hotel, Pavilion.

2007-11-16 09:00 **Estuarine habitat type and restoration: Implications for evolution, speciation and endangerment: A tale of two goby genera *Gillichthys* and *Eucyclogobius***

Jacobs, David K.*¹; Ellingson, Ryan A.¹; Earl, Dent A.¹; Louie, †Kristina D.¹; Bardeleben, Carolyn¹; Swift, Camm C.²; Findley, Lloyd T.³. (1-UCLA, Dept. of Ecology and Evolutionary Biology; 2-Los Angeles County Museum of Natural History; 3-CIAD, A.C.-Unidad Guaymas en Estudios de Calidad, Conservacio`n y Desarrollo Sustentable).

2007-11-16 09:15 **Population genetic analysis and DNA barcoding allows detection of cryptic variation in the *Gammarus pecos* (Crustacea: Amphipoda) species complex**

Seidel, Richard A.*¹; Lang, Brian K.²; Berg, David J.³. (1-Department of Zoology, Miami University, 212 Pearson Hall, Oxford, Ohio 45056; 2-New Mexico Department of Game and Fish, P.O. Box 25112, Santa Fe, New Mexico 87504; 3-Department of Zoology, Miami University, 1601 University Blvd., Hamilton, Ohio 45011).

2007-11-16 09:30 **Microsatellite loci and population genetics for the Owens pupfish, *Cyprinodon radiosus***

Finger, A. J.*¹; Parmenter, S.²; May, B. P.¹. (1-University of California, Genomic Variation Lab; 2-California Department of Fish and Game).

2007-11-16 09:45 **Homeless bugs: Consequences of hydrologic failure in a desert spring**

Bogan, Michael T.*¹. (1-Oregon State University, Zoology Department).

2007-11-16 10:00 **Spawning and culture of headwater chub (*Gila nigra*)**

Sontz, Erica A.*¹; Bonar, Scott A.¹. (1-University of Arizona).

2007-11-16 10:15 **Estimating dispersal of spring invertebrates through genetic diversity in threatened habitats of the Great Basin**

Stutz, Heather*¹; Shiozawa, Dennis¹; Tanner, Keith¹; Evans, R. Paul²; Rader, Russell¹. (1-Brigham Young University, Department of Biology; 2-Brigham Young University, Department of Microbiology and Molecular Biology).

2007-11-16 10:30 **Comparison of two net-pen designs for the grow-out of juvenile June suckers, *Chasmistes liorus* in Utah Lake**

Billman, Eric J.*¹; Belk, Mark C.¹. (1-Brigham Young University, Department of Biology).

2007-11-16 10:45 **Genetic relationships of mountain sucker and bluehead sucker based on mitochondrial DNA**

Laitinen, Nina J.*¹; Shiozawa, Dennis K.¹; Evans, Paul R.¹. (1-Brigham Young University, Department of Integrative Biology; 2-Brigham Young University, Department of Biology; 3-Brigham Young University, Department of Microbiology and Molecular Biology).

2007-11-16 11:00 **Behavioral and molecular evidence for hybridization between *Gambusia nobilis* and *Gambusia affinis***

Swenton-Olson, Daniella*¹; Kodric-Brown, Astrid¹; Turner, Thomas¹; Osborne, Megan¹; Wilson, Wade¹. (1-University of New Mexico, Department of Biology).

2007-11-16 11:15 **Using Geographic Information Systems to delineate native fish and sport fish management areas in the Verde River watershed, Arizona**

Kretschmann, Anne*¹; Bonar, Scott¹; Young, Kirk². (1-University of Arizona; 2-Arizona Game and Fish Department).

2007-11-16 11:30 **Bluehead sucker (*Catostomus discobolus*) of the Weber River, Utah: A population in peril**

Webber, Peter*¹; Thompson, Paul¹. (1-Utah Division of Wildlife Resources).

2007-11-16 11:45 **Avian predation: habituation, industry perception, and field investigation**
Schooley, Jason D.*¹; Marsh, Paul C.¹; Dowling, Thomas E.¹. (1-Arizona State University, School of Life Sciences).

12:00 - 13:30 LUNCH

13:30 - 16:00 GENERAL SESSION - 4
Location: Pierpont Hotel, Pavilion.

2007-11-16 13:30 **Native fish conservation, research and management in the upper/middle Rio Grande basin New Mexico, 2006/2007**

Davenport, Stephen R.*¹; Brooks, James E.¹; Remshardt, William J.¹; Coleman, Stephanie M.¹; Propst, David L.²; Zymonas, Nik D.²; Platania, Steven P.³; Brandenburg, William H.³. (1-U S Fish and Wildlife Service, New Mexico Fishery Resources Office; 2-New Mexico Department of Game and Fish, Conservation Services Division; 3-American Southwest Ichthyological Researchers).

2007-11-16 13:45 **Developing a range-wide long-term monitoring strategy for Virgin River chub (*Gila seminuda*)**

Golden, Michael E.¹; Bennion, Melinda R.M.*¹; Fridell, Richard A.¹; Rehm, Amos H.¹; Wheeler, Kevin K.¹. (1-Utah Division of Wildlife Resources).

2007-11-16 14:00 **Renovation of Fresno Canyon for restoration of Gila topminnow**

Kline, S. Jason*¹; Mitchell, Don¹. (1-Arizona Game and Fish Department).

2007-11-16 14:15 **Optimizing control methods for an invasive crayfish**

Rogowski, David L.*¹; Sitko, Suzanne²; Bonar, Scott A.¹. (1-Arizona Cooperative Fish and Wildlife Research Unit, SNR, University of Arizona; 2-The Nature Conservancy, AZ).

2007-11-16 14:30 **Efficiency of mechanical control of nuisance populations of northern pike in small Arizona lakes**

Kuzmenko, Yuliya¹; Specivy, Timofiy²; Bonar, Scott A.*³. (1-Zaporizhzhya State University; 2-Ukraine Institute of Fisheries; 3-USGS Arizona Cooperative Fish and Wildlife Research Unit).

2007-11-16 14:45 **Yellow bullhead diet in Aravaipa Creek, Graham and Pinal Counties, Arizona**

Conn, Jeff A*¹; Blasius, Heidi B²; Reinthal, Peter³. (1-Bureau of Land Management, Volunteer; 2-Bureau of Land Management; 3-University of Arizona, Ecology and Evolutionary Biology).

2007-11-16 15:00 **Restoring a native fish community: Mechanical removal efforts in Bright Angel Creek, Grand Canyon National Park**

Sponholtz, Pamela*¹. (1-USFWS).

2007-11-16 15:15 **Recent habitat association and the historical decline of *Notropis simus pecosensis***

Hoagstrom, Christopher*¹; Brooks, James¹; Davenport, Stephen¹. (1-New Mexico Fishery Resources Office).

2007-11-16 15:30 **Recent observations on the status of the Yaqui catfish (*Ictalurus pricei*) in the United States and northwest Mexico**

Hendrickson, Dean A.¹; Varela-Romero, Alejandro*²; Brooks, James E.³; Ulivarri, Manuel⁴. (1-Texas Natural Science Center, University of Texas at Austin; 2-Department of Science and Technology Research, University of Sonora; 3-U.S. Fish and Wildlife Service, Albuquerque; 4-U.S. Fish and Wildlife Service, Dexter National Fish Hatchery and Technology Center).

2007-11-16 15:45 **The peculiar catfishes of the Modoc Triangle**

Reid, Stewart B.*¹. (1-Western Fishes).

16:00 - 17:00 POSTER SESSION and COFFEE BREAK

Location: Pierpont Hotel, Camulos Rooms - Pavilion and Veranda.

POSTER - Effect of exercise and predator acclimation on swimming performance and survival of hatchery-reared razorback suckers

Mueller, Gordon A.¹; Carpenter, Jeanette*¹; Krapfel, Robert W.²; Figiel, Chester R. Jr.². (1-USGS; 2-FWS).

POSTER - Evaluation of handling stress in the bonytail chub *Gila elegans*

Montony, Andrea*¹; Elekonich, Michelle². (1-Bureau of Reclamation, Lower Colorado Region; 2-University of Nevada, Las Vegas, School of Life Sciences).

POSTER - Swimming performance and morphology of native Utah fishes: Critical information for culvert design in Utah streams

Aedo, John R*¹; Belk, Mark C¹. (1-Brigham Young University, Department of Biology).

POSTER - Seri ethnoichthyology: folk fishers in a desert sea

Torre, Jorge¹; Findley, Lloyd*². (1-Comunidad y Biodiversidad, A.C., Guaymas, Sonora, Mexico; 2-Centro de Investigación en Alimentación y Desarrollo, A.C.-Unidad Guaymas).

POSTER - Status of the Pacific lamprey, *Lampetra tridentatus*, south of Point Conception, southern coastal California

Swift, Camm C.*¹; Howard, Steve². (1-ENTRIX, Inc., Ventura, CA; 2-United Water District, Santa Paula, CA).

POSTER - Changes in habitat affect the population dynamics of the federally threatened Sana Ana sucker, *Catostomus santaanae* in the Santa Ana River

Baskin, Jonathan N.^{1/2}; Even, Thomas J.*⁴; Haglund, Thomas R.¹; Thompson, Andrew³. (1-San Marino Environmental Associates, San Marino, CA; 2-Biol. Sci. Dept., Calif. State Polytechnic Univ. Pomona; 3-U.S. Fish & Wildlife Service, Carlsbad, CA; 4-Dept. of Ecology, Evolution and Marine Biology, Univ. Calif. Santa Barbara).

POSTER - New spikedace and loach minnow propagation and research facility at Bubbling Ponds Fish Hatchery, Arizona

Ward, David L.*¹. (1-Arizona Game and Fish Department, Research Branch).

POSTER - Mark-recapture monitoring of smallmouth bass in the Green River

Monroe, Leisa D.*¹; Hedrick, Trina¹. (1-Utah Division of Wildlife Resources).

POSTER - Backwater site selection for razorback sucker (*Xyrauchen texanus*), bonytail (*Gila elegans*), and flannelmouth sucker (*Catostomus latipinnis*) habitat creation, in support of the Lower Colorado River Multi-Species Conservation Program

Uleplic, Caireen R.*¹; Lenon, Nathan¹. (1-Bureau of Reclamation, Lower Colorado Region).

POSTER - Taxonomic diversity of spring invertebrates in threatened habitats of the Great Basin

Hansen, Christopher A.*¹; Stutz, Heather L.¹; Tanner, Keith J.¹; Barney, Michelle¹; Rader, Russell B.¹; Redlin, Emily E.¹; Keleher, Jane M.¹; Shiozawa, Dennis K.¹. (1-Brigham Young University, Dept. of Integrative Biology).

POSTER - Northwestern Mexico Area Report: Catalog of the freshwater fishes of the Baja California peninsula: Part I. Baja California Sur

Ruiz-Campos, Gorgonio*¹. (1-Universidad Autónoma de Baja California, Facultad de Ciencias, Ensenada).

POSTER - One-year progress report of telemetry efforts to determine post-stocking survival of razorback sucker in Lake Mohave

Karam, Abraham P.*¹; Kesner, Brian R.; Marsh, Paul C.. (1-Arizona State University).

POSTER - Morphometric comparison of *Ictalurus furcatus* (Teleostei: Ictaluridae) from northern and southern Mexico

Ruiz-Campos, Gorgonio¹; Lozano-Vilano, Maria De Lourdes*²; García-Ramírez, Maria Elena². (1-Univ. Autónoma de Baja California, Ensenada, B.C., México; 2-Universidad Autónoma de Nuevo León, Monterrey, N.L., México).

Saturday, 17 Nov. 2007

09:00 - 13:00 GENERAL SESSION - 5

Location: Pierpont Hotel, Pavilion.

2007-11-17 09:00 A study of the endemic ichthyofauna and consequences of human impacts in the endorheic Parras de la Fuente basin, Coahuila

Chavarria Gallegos, Roberto*¹; Gómez Garza, Miguel Angel¹; Garza Tobon, Daniel¹; Valdes Gzz., Arcadio². (1-Consejo Mexicano de Peces del Desierto; 2-Universidad Autónoma Nuevo Leon).

2007-11-17 09:15 Bonneville Basin Area Report

Wilson, Krissy W.*¹. (1-Utah Division Wildlife Resources).

2007-11-17 09:30 Update on Lake Mead razorback sucker research, evidence of continued, recent recruitment, and an update of our hypothesis regarding recruitment events of Lake Mead razorback suckers

Albrecht, Brandon*¹; Sanderson, Travis¹; Holden, Paul¹. (1-BIO-WEST, Inc.).

2007-11-17 09:45 Lower Colorado River Area Report, November 2006-2007

Sponholtz, Pamela*¹; Mitchell, Don²; Richardson, Mary¹; Paroz, Yvette³; Hedwall, Shaula¹; Benedict, Chuck²; Whittier, Joanna⁴; Weiss, Dannette². (1-U.S. Fish and Wildlife Service; 2-Arizona Game and Fish Department; 3-New Mexico Department of Game and Fish; 4-Kansas State University).

2007-11-17 10:00 Status and management of the fishes of the Upper Colorado River Basin

Hedrick, Trina N*¹; Cavalli, Pete²; Martin, Lori³. (1-Utah Division of Wildlife Resources; 2-Wyoming Game and Fish Department; 3-Colorado Division of Wildlife).

2007-11-17 10:15 The use of grow-out ponds and hatcheries in the recovery of June sucker, *Chasmistes liorus*

Mellon, Cassie D.*¹; Wilson, Krissy¹. (1-Utah Division of Wildlife Resources).

2007-11-17 10:30 Development and evaluation of a nonative fish barrier to assist in creating protected backwaters along the lower Colorado River

Karchesky, Christopher¹; McDonald, Robert*¹; Garnett, Gregg². (1-Normandeau Associates Inc.; 2-Bureau of Reclamation).

2007-11-17 10:45 Isotopic analyses of heavy metal contamination in aquatic systems and endangered species

Reinthal, Peter*¹; Chesley, John²; Blasius, Heidi³; Haberstick, Mark⁴. (1-Department of Ecology and Evolutionary Biology, University of Arizona, Tucson, AZ 85721.; 2-Department of GeoSciences, University of Arizona, Tucson, AZ 85721.; 3-3Bureau of Land Management, Safford Field Office, 711 14th Avenue, Safford, AZ 85546-3337.; 4-The Nature Conservancy, Aravaipa Preserve Manager, 41099 W. Aravaipa Canyon Road, Willcox, AZ 85643.).

2007-11-17 11:00 Quantifying generational effects of endocrine disruption in bonytail chub (*Gila elegans*) exposed to secondarily-treated wastewater

Walker, David¹; Paretto, Nick²; McDonough, Lisa*¹; Cordy, Gail²; Gross, Timothy S.³; Furlong, Edward T.⁴; Kolpin, Dana W.²; McIntosh, Dennis⁵. (1-University of Arizona, Environmental Research Laboratory; 2-USGS, WRD; 3-USGS, Florida Caribbean Science Center; 4-USGS, National Water Quality Laboratory; 5-University of Delaware).

2007-11-17 11:15 Biological and water quality monitoring of native fish sanctuaries in the lower Colorado River Basin

Carpenter, Jeanette*¹; Mueller, Gordon A¹; Thullen, Joan S.¹. (1-USGS).

2007-11-17 11:30 Lower Colorado River Multi-species Conservation Program backwater inventory site visits in Reaches 5 and 6

Robertson, Mike*¹; Ulepik, Caireen R.². (1-BIO-WEST; 2-U.S. Bureau of Reclamation, Lower Colorado Region).

2007-11-17 11:45 **Richard Gordon Miller (1913 -), ichthyologist, conservationist and educator**

Brittan, Martin R.*¹. (1-California State University, Sacramento, Department of Biological Sciences).

2007-11-17 12:00 **Early ontogeny of gray redhorse *Moxostoma congestum***

Zymonas, Nik D.*¹; Altenbach, Chris²; Propst, David L.¹. (1-New Mexico Department of Game and Fish; 2-City of Albuquerque Biological Park).

2007-11-17 12:15 **Consultation and collaboration: Balancing water resource management with conservation of the endangered Moapa dace, *Moapa coriacea***

Syzdek, David J*¹. (1-Southern Nevada Water Authority).

2007-11-17 12:30 **Conservation by cooperation: Determining how habitat dynamics influence the federally threatened Santa Ana sucker in a highly urbanized environment**

Baskin, Jonathan N. Dr.*²; Haglund, Thomas R. Dr.¹; Thompson, Andrew Dr.³. (1-Affiliation 11 San Marino Environmental Associates, 560 South Greenwood Avenue, San Marino, CA 91108 jnbaskin@smea.org; 2-Affiliation 22 Biological Science Department, California State Polytechnic University Pomona, 3801 West Temple Avenue, Pomona, CA 91768; 3-Affiliation 33 U.S. Fish and Wildlife Service, 6010 Hidden Valley Road, Carlsbad, CA 92011; e-mail: andrew_thompson@fws.gov).

2007-11-17 12:45 **Oregon / Northern California Area Report: surveys, screens and, of course, bad news for bass**

Reid, Stewart B.*¹; Scheerer, Paul²; Heck, Michael²; Smith, Roger³; Osbon, Shannon³; Mauer, Alan⁴; Munhall, Allen⁵; Corning, Max⁶. (1-Western Fishes; 2-Oregon Dept Fish and Wildlife, Corvallis; 3-Oregon Dept Fish and Wildlife, Klamath Falls; 4-U.S. Fish and Wildlife, Bend; 5-U.S. Bureau Land Management, Lakeview; 6-National Resource Conservation Service, Lakeview).

13:00 CLOSING REMARKS

CANCELLED - Phylogeographic patterns within the central Australian rainbowfishes

Unmack, Peter J.*¹; Adams, Mark²; Dowling, Thomas³. (1-Brigham Young University, Department of Biology; 2-South Australian Museum, Evolutionary Biology Unit; 3-Arizona State University, School of Life Sciences).

CANCELLED - Conservation genetics of Warm Springs pupfish, *Cyprinodon nevadensis pectoralis*

Martin, Andrew P*¹. (1-University of Colorado, Dept of Ecology and Evolutionary Biology).

CANCELLED - Desert fish species under protection of the Mexican environmental legislation - POSTER

Fuentes, Patricia*¹; Espinosa, Hector². (1-Instituto Nacional de la Pesca, SAGARPA; 2-Inst. de Biología, UNAM).