

Fri Feb 10	Wildlife Session 1	Wildlife Session 2 (Student Session)	Fisheries Session 1 (Student Session)	Fisheries Session 2 (Sportfish Symposium)
	Lindsay Smythe	Ginny Seamster	Kristopher Stahr	Ryan Follmuth
Room	Animas	Florida	La Plata	San Juan
1:00	Surveillance plan for highly pathogenic avian influenza in wild migratory birds in the United States including Arizona Burton	Nonnative grasses affect habitat selection of grassland birds, decoupling density and nest success Andersen*	Razorback and flannelmouth sucker hybrids; hatch rates, larval survival and geometric morphometrics. Wolters*	
1:20	Breeding habitat requirements of Bendire's thrasher (<i>Toxostoma bendirei</i>) throughout its New Mexico and Arizona range Bear Sutton*	Pilot project to enhance vampire bat bite surveillance in Arizona Fuentes* CANCELLED - CHANGED TO POSTER PRESENTATION	Assessing modified Prepositioned Areal Electrofishing Devices (PAEDs) for surveying fish habitat use in desert streams Lee*	
1:40	Occupancy, reproduction, and forest structure of burned Mexican spotted owl sites 14 years after the Rodeo-Chediski fire, Arizona Lommler*	ITS2 good to be true: an optimal metabarcoding approach to determine diet of herbivores Dikeman*	Why catch-per-unit-effort is insufficient as an index of abundance for the White Sands pupfish (<i>Cyprinodon tularosa</i>) Peterson*	Algae production in fish hatcheries: we're doing it on purpose. Mower
2:00	Lesser prairie-chicken survival in an energy landscape Lawrence*	Predicting seasonal distribution and migratory pathways for neotropical nectar-feeding bats Burke*	Videography presentations to educate the public about Arizona trouts. Caballero*	Angler recruitment, retention and reactivation in an age of social media. Can social media inspire and teach people how to enjoy the outdoors...some thoughts from an old guy. Rogers

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2:20	Using biomarkers to evaluate use of food subsidies by greater sandhill cranes wintering in New Mexico Boggie*	Developing conservation guidelines for the Oscura Mountain chipmunk using occupancy models Perkins-Taylor*	Use of high-definition video technology to acquaint the public with cryptic desert fishes of the southern Nevada/Death Valley region. Ulrich*	Walleye strontium isotope analysis: New Mexico's tail Mammoser
2:40	Habitat suitability model for the dusky grouse in the American southwest Youtz*	Predicting spatial factors associated with cattle depredations by the Mexican wolf (<i>Canis lupus baileyi</i>) in Arizona and New Mexico Goljani*	Effects of wildfire on brown trout (<i>Salmo trutta</i>) foraging ecology Smith*	Picking the low hanging fruit, the Dogtown Lake fish habitat project Benedict
3:00-3:20 BREAK				
Fri Feb 10	Wildlife Session 3	Wildlife Session 4	Fisheries Session 3	Fisheries Session 4 (Sportfish Symposium)
	Leland Pierce	Kay Nicholson	David Rogowski	Ethan Mower
3:20	Surveys and microhabitat use of northern Mexican gartersnakes at lower Tonto Creek Myrand*	Behavioral character displacement and territoriality of an isolated endangered species under invasion Burnett*	The contribution of the Gila River Basin Native Fishes Recovery Program (GRBNFCP/CAP) to the recovery of native aquatic species Duncan	Angler success and satisfaction: effects of a guide on fishing experience Manuell
3:40	Snakes move in mysterious ways: daily activity patterns and movements of northern Mexican gartersnakes Sprague*	MOM knows best: Mouse Occupancy Modeling reveals habitat of an endangered rodent Chambers	Is Gila topminnow still in danger of extinction? Robinson	Examining angling and boating use on a large reservoir using time-lapse trail cameras Stahr

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4:00	Phylogeography of the smooth greensnake: divergent lineages and introgression discovered through comparative genomics Blais*	Varied herbaceous diet of the New Mexico meadow jumping mouse revealed by DNA metabarcoding Sanchez	What's new at Fossil Creek? A summary of recent Arizona Game and Fish Department monitoring efforts on Fossil Creek, AZ (2009-2015). Rinker	Use of cold branding in marking channel catfish. Denny
4:20	Snake communities on the urban fringe in the Sonoran Desert: influences on species richness and abundance Leavitt	Use of remote cameras to detect the New Mexico meadow jumping mouse (<i>Zapus hudsonius luteus</i>) at Bosque del Apache National Wildlife Refuge Lehnen	Reduction in spring flow threatens Rio Grande silvery minnow: trends in abundance during river intermittency Archdeacon	Learning more about Arizona's own river monster: a proposed study to age flathead catfish in the lower Colorado River Follmuth
4:40	Comparisons of reptile community assemblages in two subdivisions of the Sonoran Desert scrub biotic community Grimsley	Identification, distribution and ecology of the New Mexico meadow jumping mouse in the zone of sympatry with the western jumping mouse Frey	Improving wildlife management by promoting multidisciplinary science and collaboration Mosher	Habitat use by juvenile fishes, macroinvertebrates, and zooplankton among three species of emergent macrophytes Stahr
5:00		Population dynamics in fragmented habitats: is the pika population in Bodie State Historic Park a true metapopulation? Jones*		An overview of fish habitat improvement projects by New Mexico Department of Game and Fish and fish population response Frey

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Sat Feb 11	Wildlife Session 5	Wildlife Session 6	Fisheries Session 5	Fisheries Session 6
	Clarissa Starbuck	Tiffany Sprague	Laurence D'Alessandro	Ryan Follmuth
8:20	Sportsmen's value mapping – mapping hunting and fishing voice in Arizona Lawrence	The remarkable endemism of moths in White Sands National Monument, New Mexico Metzler	Reproductive potential of Rio Grande silvery minnow (<i>Hybognathus amarus</i>) Falco	Are hatchery reared rainbow trout and brown trout effective predators on native fish? Ward
8:40	Mapping and quantifying terrestrial vertebrate biodiversity at a national scale Boykin	Seasonal movements and habitat use of Chiricahua leopard frogs in the Santa Rita Mountains of Arizona McCall	Reproductive strategies of White Sands pupfish (<i>Cyprinodon tularosa</i>) inhabiting stable and variable habitats Baca	Humpback chub – range expansion in the lower Grand Canyon or better sampling? Rogowski
9:00	Analysis of reptile biodiversity and ecosystem services within the protected areas at a national scale Boykin	Conservation genetics of the Chiricahua leopard frog (<i>Lithobates chiricahuensis</i>) Culver	Current status of historic and stocked locations of little Colorado spinedace Love-Chezem	Genetic lineage assessment of unknown and rediscovered Gila topminnow (<i>Poeciliopsis occidentalis</i>) Vargas
9:20	Predicting habitat use by bats to protect bats and inform wind energy development Starbuck*	Citizens and barking frogs Pierce	Age-0 Colorado pikeminnow captures in the San Juan River – 2016 Zeigler	What's in a map? A multi-criteria approach for fisheries management planning at the watershed scale Eiden

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9:40	Effects of urbanization on bat habitat use in Phoenix, Arizona: a multi-scale landscape analysis Bazelman	Baseline inventory of small mammals, amphibians, and reptiles on the Barry M. Goldwater Range–west, southwestern Arizona O'Donnell	Evaluation of spikedace and loach minnow repatriation and monitoring Smith	
10:00-10:20 BREAK				
Sat Feb 11	Wildlife Session 7	Wildlife Session 8	Wildlife Session 9	WOW Panel
	Larisa Harding	Bob Osborn	Ginny Seamster	
10:20	Spatial ecology of gray foxes: informing rabies management in the southwest Veals*	Evaluation of desert bighorn sheep overpasses and fencing along US Highway 93 in Arizona Sprague	Feral swine: history of an expanding North American threat and current eradication efforts in Arizona Basmajian NEW – NOT IN PROGRAM	
10:40	Factors determining the long-term success of the Mexican wolf reintroduction project Sorum	New insight into utilizing bone marrow to assess ungulate health Kay*	Monitoring and surveillance for common vampire bats in Arizona Van Pelt NEW – NOT IN PROGRAM	
11:00				WOW Panel Discussion
11:20				
11:40				

* denotes student presenter

**Poster Session (alphabetical by last name of first author)
Friday, 5-6:30 Pine**

Fisheries Posters

Precision of catch-rates for Rio Grande silvery minnow with increasing survey effort

Archdeacon, Thomas P, Eric Gonzales, Justin K. Reale, Eileen B. Henry, Joshua D. Grant, and Tristan J. Austring

An evaluation of three different feeds to improve growth and survival of rainbow trout in Arizona state hatcheries

Avenetti, Lorraine D, and Kristopher J. Stahr

Native fish in the classroom: bringing clarity to fish in turbid habitat

*Kelley-Currens, Donny

Do scales protect fish from electroshock?

Reynolds, James B.

Colorado pikeminnow: forgotten predator of the lower Colorado River

Ward, David L.

Wildlife Posters

Botany and butterflies: how to improve the population of butterflies using flower preferences

*Allen, Ivey, and Mia Ransom

Mountain lion (*Puma concolor*) resource selection, kill rates and competition with black bears (*Ursus americanus*) in the Jemez Mountains, New Mexico

*Anaya, Arthur J., James W. Cain III, James R. Biggs, and Mark Peyton

Tracking big feet: detecting New Mexico meadow jumping mice with track plates

Chambers, Carol L., José Gabriel Martinez-Fonseca, Rachel Harrow, and Valerie Horncastle

Mohave fringe-toed lizard (*Uma scoparia*) distribution in Arizona

Crumbo, Woodrow L., and Daniel J. Leavitt

Hantavirus prevalence in two rodent communities in eastern New Mexico

*Curtis, Jessica L., Matthew T. Milholland, Ivan Castro-Arellano, Tony Schountz, and Ivana Mali

Pilot project to enhance vampire bat bite surveillance in Arizona (NEW POSTER PRESENTATION)

*Fuentes, Jazmin M., Cecilia Vigil, Christopher D. Carrillo, and David Bergman

Carnivores and other mammal communities in saltcedar and native riparian forests

*Herzog, Cheyenne J., and Heather L. Bateman

Ectoparasitic mite loads: which whiptail species carries more mites?

*Jackson, Lauren, and Heather L. Bateman

Assessing the response of lesser prairie-chickens to prescribed fire in the shinnery oak prairie ecoregion of eastern New Mexico

*Kunkel, Alex J., Scott A. Carleton, and William R. Gould,

Comparing demography, nesting ecology, and movement patterns of sympatric scaled and Gambel's quail populations in response to climate in the Chihuahuan Desert

*Leipold, Elizabeth A., Scott A. Carleton, and William R. Gould

Variation in body size, body condition, and population structure of western river cooter from New Mexico and Texas

*Letter, Andrew W., Dan H. Foley III, Michael R.J. Forstner, and Ivana Mali

Linking perennial surface water and aquatic food subsidies to terrestrial species in arid environments

*McGee, Earyn

Shrimp vs sardine: bait preference of western river cooters

*Mirabal, Jazmin, Korry Waldon, Gage Scheidler, and Ivana Mali

Methods for comparing genetic relationships of *Erethizon dorsatum* (North American porcupine) in a section of the Rio Grande Valley in Albuquerque, New Mexico

*Moser, Sarah, and Delaney Hill

Herpetofauna and riparian habitats at the confluence of the Gila and San Pedro Rivers

Riddle, Sidney B., and Heather L. Bateman

How video production can promote conservation

*Shaw, Corey J.

Movement, resource use, and reproductive success of elk in response to competition, predation risk, and landscape restoration

*Smythe, Sharon E., James W. Cain III, Warren C. Conway, Mark A. Peyton, and Robert R. Parmenter

Identifying bats via environmental DNA in water

Sobek, Colin, Faith Walker, and Carol Chambers

Microhabitat evaluation for northern Mexican gartersnakes at Bubbling Ponds Hatchery

*Sprague, Tiffany A., and Heather L. Bateman

Sedation techniques, distribution and population of North American porcupine (*Erethizon dorsatum*) throughout the Rio Grande's bosque

*Stansbery, RaeLeigh

Pronghorn fawn survival and cause-specific mortality in a localized pronghorn population in southeast New Mexico

*Threadgill, Courtney L., Warren C. Conway, Robert D. Cox, Robert D. Bradley, and James W. Cain III

Anuran species inventory and *Batrachochytrium dendrobatidis* (chytrid) survey along selected ponds, streams, and rivers in New Mexico

*Venturi, Asel

How rare? Limits of detection of a genetic assay for species identification from guano

Walker, Faith M., Viacheslav Y. Fofanov, Abigail Tobin, Colin J. Sobek, Dan E. Sanchez, and Carol L. Chambers

Ten new locations of the endangered New Mexico meadow jumping mouse detected on tribal lands in southwestern Colorado

Zahratka, Jennifer L., Aran S. Johnson, Erin M. Lehmer, Steven D. Fenster, and Steve L. Whiteman

Habitat characteristics and hibernation emergence of the federally endangered New Mexico meadow jumping mouse in southwestern Colorado

Zahratka, Jennifer L., and Scott A. Wait