

CURRICULUM VITAE

JENNIFER K. FREY

PRESENT ADDRESSES:

Department of Fish, Wildlife, and Conservation Ecology
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DEGREES:

Ph.D., Biology. University of New Mexico, Albuquerque, New Mexico. 1994.
M.S., Biology. Emporia State University, Emporia, Kansas. 1989.
B.S., Biology (emphasis in Zoology). Emporia State University, Emporia, Kansas. 1986.

FACULTY POSITIONS:

Tenured Professor and Member of the Graduate Faculty. Department of Fish, Wildlife and Conservation Ecology (FWCE), New Mexico State University (NMSU). 2023 – present
College Professor and Member of the Graduate Faculty. Department of Fish, Wildlife and Conservation Ecology (FWCE), New Mexico State University (NMSU). 2016 – 2023.
College Associate Professor and Member of the Graduate Faculty. FWCE, NMSU. 2008 – 2016.
College Assistant Professor and Member of the Graduate Faculty. FWCE, NMSU. August 2002 – 2008.
Assistant Professor. Department of Biology, Eastern New Mexico University (ENMU). 1998-2002.
Research Assistant Professor. Department of Biology, University of New Mexico (UNM). 1995-1998.
Postdoctoral Research Associate. Department of Biology, UNM. 1994-1995.

MUSEUM AND CURATORIAL POSITIONS:

- Curator.** Wildlife Museum, Department of Fish, Wildlife & Conservation Ecology, NMSU. 2014 - present.
- Acting Curator.** Wildlife Museum, Department of Fishery and Wildlife Sciences, NMSU. September 2003 - 2013.
- Adjunct Curator of Mammals.** The Vertebrate Museum, Department of Biology, NMSU. 2003 – present.
- Committee Member.** Center for Natural History Collections, New Mexico State University. 2008-Present
- Research Associate.** Mammal Division, Museum of Southwestern Biology (MSB), University of New Mexico. 1998-present
- Executive Committee Member.** Center for Natural History Collections, New Mexico State University. 2006-2008
- Director.** Eastern New Mexico University Natural History Museum (ENMUNHM). 1998-2002
- Curator of Mammals, Birds, and Frozen Tissue.** ENMUNHM. 1998-2002
- Board of Trustees,** New Mexico Museum of Natural History and Science. 2000-2002
- Curatorial Associate.** Mammal Division, MSB, UNM. 1994-1998.
- Collection Assistant.** Frozen Tissues & Biological Materials, MSB. 1990-1994.
- Curatorial Assistant.** Mammal Division, MSB. 1989-1994.
- Curatorial Assistant.** Schmidt Museum of Natural History, Emporia State University. 1985-1989

PRE-DOCTORAL PROFESSIONAL POSITIONS:

- Allozyme Electrophoresis Laboratory Supervisor.** UNM. 1991-1994.
- DNA and Karyology Laboratory Supervisor.** UNM. 1990, 1992-1994.
- Research Assistant.** UNM. mtDNA and allozyme variation in the Mexican vole (*Microtus mexicanus*). 1992-1994.
- Research Assistantships for Minority High School Students Program Assistant.** MSB. Assisted directing student research projects and teaching high school students and teachers. 1993.
- Computer Lab Coordinator.** Biology Department. UNM. 1993.
- Research Assistant.** UNM. mtDNA and allozyme variation among migratory races of sandhill crane (*Grus canadensis*). 1990-1991.
- Parasitologist.** Sevilleta Long-term Ecological Research Site, UNM. 1989.
- Fisheries Aid.** Kansas Department of Wildlife and Parks, Emporia, Kansas. 1988.
- Research Assistant.** Emporia State University. Karyotypic relationships among populations of short-tailed shrews (*Blarina*). 1987.
- Undergraduate Research Assistant.** Emporia State University. Predator avoidance in *Diaptomus* (Crustacea: Copepoda). 1985-1986.

GRADUATE STUDENTS:

- Beth Bonham. Master's in Environmental Education. Eastern New Mexico University. May 2000.
- Andrew Hope. Island biogeography: Focal species models and their implications for system level relationships. Eastern New Mexico University. May 2002.
- Jason Malaney. Distribution, habitat characteristics, and population demographics of snowshoe hare (*Lepus americanus*) at the extreme southern edge of its geographic range. Eastern New Mexico University. December 2003.
- Christina Wampler. Effects of fuels reduction treatments on mammals in a southwestern mixed coniferous forest. (collaboratively with Jon Boren). New Mexico State University. May 2007.
- Gerrad Jones. Mammalian zoogeography of Padre Island National Seashore, Texas. New Mexico State University. May 2008.
- Alfredo Montoya. Morphologic variation in the gray-footed chipmunk (*Tamias canipes*). Non-thesis project. New Mexico State University. May 2009.
- Martin Moses. Elevated surface temperature negatively affects survival of banner-tailed kangaroo rats in the Chihuahuan Desert. (co-advised with Gary Roemer). May 2010.
- Greg Wright. Multiple scale habitat selection by a small mammal habitat specialist (*Zapus hudsonius luteus*) in a managed floodplain landscape. May 2012.
- Andrew Passarelli. Effect of forest insect outbreak on the red squirrel (*Tamiasciurus hudsonicus*) in the Sacramento Mountains, New Mexico. December 2012.
- Brian A. Small. Identification of Limiting Factors for the Restoration of Beavers in Northern New Mexico. Non-thesis project. New Mexico State University. August 2015.
- Reza Goljani. Predicting spatial factors associated with cattle depredations by the Mexican wolf (*Canis lupus baileyi*) with recommendations for depredation risk modeling. December 2017.
- Ian Perkins-Taylor. Using occupancy and species distribution models to identify the distribution and key habitat features of the Oscura Mountains chipmunk and guide monitoring efforts. December 2017.
- Brittan Schweiger. Activity and habitat selection by the Organ Mountain chipmunk. May 2021.
- Fiona McKibben. An investigation of niche breadth of the Peñasco least chipmunk: removing false positive detection error and modeling multiscale habitat selection. May 2022.
- Clare O'Connell. The Oscura Mountains Colorado chipmunk: Evaluation of microhabitat selection and ecological drivers in pinyon-juniper woodland. May 2023
- Hailey Jacobson. Extirpation, habitat selection, and niche reduction of an endemic sky island chipmunk. May 2024
- William Grooms. Post-fire habitat use of the Peñasco least chipmunk. Started August 2022
- Joe Youtz. Predicting the thermal environment of pinyon woodlands: relevance for wildlife under climate change. Started August 2022.

GRADUATE STUDENTS (continued):

- Iona Rohan. Impact of wind energy development on terrestrial mammals. Started January 2023.

GRADUATE COMMITTEES:

- Stanley Fields. Master's thesis title: Ability of western diamondback rattlesnake (*Crotalus atrox*) and prairie rattlesnake (*Crotalus viridis viridis*) to discern the presence of a potential predator based on chemical cues. ENMU. December 2001
- Timothy Frey. Non-thesis Master's: Applied Ecology. ENMU. May 2002
- Verity Mathis. Master's thesis title: Conservation genetics of banner-tailed kangaroo rats (*Dipodomys spectabilis*): a molecular ecology perspective. New Mexico State University. Summer 2006.
- Arlys Finch. Master's thesis topic. Influence of steroidogenic acute regulatory (StAR) protein on reproductive life history traits in the endangered Pecos gambusia, *Gambusia nobilis*. Eastern New Mexico University. December 2006.
- Michael Calkins. Master's thesis title: Development of conservation priority models for the American Pika (*Ochotona princeps*): Implications for conservation. FWCE, NMSU. May 2010.
- Katie Smith. Response of the endangered salt marsh harvest mouse (*Reithrodontomys raviventris*) to tides. Department of Biology, NMSU. May 2012
- Darin A. Kopp. An analysis of factors influencing spatial concordance between ecosystem services and biodiversity. FWCE, NMSU. December 2013.
- Dana Sanders. Boldness and natal dispersal in the brush mouse (*Peromyscus boylii*). Department of Biology, NMSU. May 2014
- Liberty Hightower. Non-thesis masters. Department of Biology, NMSU. May 2014
- Nathan Dylan Burruss. The environmental constraints of Rüppell's (*Vulpes rueppellii*), pale (*V. pallida*), and fennec foxes (*V. zerda*), and golden jackals (*Canis aureus*) within the Termit & Tin Toumma Nature Reserve and Cultural Reserve and an analysis of pale fox food habits. FWCE, NMSU. May 2014.
- Randell W. Seeley. Characterization of vegetation and small mammal communities in Chihuahuan Desert grasslands. Department of Range and Animal Science, NMSU. December 2014.
- Eboni S. Duke. Burrowing owl ecology during the post fledging period in an urban and agricultural interface of southern New Mexico. FWCE, NMSU. December 2014.
- Sabrina Deeley. Distribution of resources for nectar-feeding bats (*Leptonycteris*) in southwestern New Mexico (non-thesis). FWCE, NMSU. May 2016.
- Chris Coxen. An evaluation of satellite tracked and citizen science derived species distribution models to inform the conservation and effects of changing climate on band-tailed pigeons (*Patagioenas fasciata*). FWCE, NMSU. May 2017.
- Rachel Burke. Distribution and niche partitioning of *Leptonycteris* bats. FWCE, NMSU. May 2018.
- Susan Bard. Microhabitat selection and pathogen prevalence of American black bear (*Ursus americanus*) in the Jemez Mountains, New Mexico. FWCE, NMSU. August 2018.
- Scarlet Sellers. Diet of long-nosed bats (*Leptonycteris*) in New Mexico. FWCE,

- NMSU. December 2018.
- Dan Vargo. FWCE, NMSU. current
 - James Lee. FWCE, NMSU. current
 - Caitlyn Curtis. Department of Biology, NMSU. Current.
 - Matt Keeling. FWCE, NMSU. Current
 - Heather Zimba. FWCE, NMSU. Current
 - María José Morán Gutiérrez. Instituto Politécnico Nacional, Baja California Sur, Current
 - Anna Downing. University of Texas at El Paso. Current

UNDERGRADUATE and HIGH SCHOOL RESEARCH MENTORING

- Jeremy Lewis. Distribution and habitat modeling of the white-nosed coati (*Nasua narica*) in New Mexico. Howard Hughes Medical Institute, Undergraduate Research Scholars Program, New Mexico State University. December 2010.
- Sabrina Lucero. Influence of temperature on Organ Mountains Colorado chipmunk activity. Presented at NMSU Undergraduate Research and Creative Arts Symposium, 2019.
- Thomas Serrano. Temporal niche partitioning by three sympatric skunk species in the Organ Mountains, New Mexico, 2019.
- Eli Miller. Reproductive cycle of the Organ Mountains Colorado chipmunk, 2019, Las Cruces, NM.
- Hailey Turner. Las Cruces High School PLTW Biomedical Innovations Internship, 2019, Las Cruces, NM.
- Thomas Serrano. Ringtail occupancy in the Organ Mountains, New Mexico, Presented at ACES research symposium (Second place award) 2022.
- Jacali Baeza. Can morphometrics be used to discriminate remote photographs of two species of chipmunks? Indian Resources Development Program. Spring 2022.
- Cody Noverola. Diet of the Mexican spotted owl at Los Alamos National Laboratory. 2023-current.

CAREER STUDENT MENTORING:

Educational Coordinator. New Mexico-Puerto Rico Natural Resource Career Track Program, New Mexico State University. 2012-2013

DISTANCE EDUCATION PROGRAM DEVELOPMENT:

- Distance Education Program Developer. Department of Fish, Wildlife and Conservation Ecology, New Mexico State University. 2017-2019
- Distance Education Program Coordinator. Department of Fish, Wildlife and Conservation Ecology, New Mexico State University. 2018-2019
- FWCE 255 Principles of Fish and Wildlife Management. Met *Quality Matters* review April 2018
- FWCE 402 Undergraduate Seminar. Met *Quality Matters* review March 2019

TEACHING EXPERIENCE:

New Mexico State University

Undergraduate:

- Introduction to Natural Resources Management; a distance education course (often taught concurrently on NMSU main and branch campuses; Spring 2003-Fall 2004, Fall 2005-2015)
- Contemporary Issues in Wildlife and Natural Resources Management (Fall 2016; Spring 2019)
- Ecology and Management of Southwest Ecosystems (Summer 2012)
- Principles of Fish and Wildlife Management (Spring 2011, 2013-2017, 2020-2023)
- Wildlife Ecology (Fall 2011)
- Museum Methods (Spring 2006)
- Undergraduate Problems

Graduate/Undergraduate:

- Systems Ecology in Wildlife Management and Laboratory (Fall 2002)
- Advanced Techniques for the Study of Mammalian Diversity (Spring 2004)
- Nongame Wildlife Conservation and Management (Spring 2004)
- Wildlife Damage Management (Spring 2011-2017, 2020-2022)
- The Natural History Museum in Modern Society (Spring 2014)
- Wildlife Museum Internship (Fall 2014, Spring/Fall 2016)
- Independent Studies (Graduate Problems, Non-thesis Project, Master's Thesis)

Eastern New Mexico University (exclusive of special problems, thesis, etc)

Undergraduate:

- Wildlife Biology (Fall 1998, Spring 1999)
- Introduction to Wildlife and Fisheries Science (each semester 1999-2002)
- Vertebrate Zoology/Vertebrate Zoology Laboratory (Spring 2002)

Graduate/Undergraduate:

- Mammalogy/Mammalogy Laboratory (annual 1998-2001)
- Ornithology/Ornithology Laboratory (annual 1999-2002)
- Wildlife Management/ Wildlife Management Laboratory (annual 1998-2001)

Graduate:

- Biogeography (Spring 1999, Fall 2000)
- Conservation Biology (Fall 1999, 2001)
- Biological Literature (Fall 2001)

University of New Mexico (exclusive of special problems, thesis, etc)

- Mammalogy, lecturer and laboratory assistant
- General Biology Laboratory, instructor
- Biology for Health Related Sciences Laboratory, instructor

Emporia State University

- Ornithology, teaching and laboratory assistant
- General Biology Laboratory, instructor
- Field and Lab Biology, teaching and laboratory assistant

CURRENT UNIVERSITY SERVICE

- College of Agriculture and Home Economics, Curriculum Committee
- Dept. Fish, Wildlife, Conservation Ecology, Curator of Wildlife Museum
- Faculty Advisor, NMSU student chapter of The Wildlife Society (professional society)
- Dept. Fish, Wildlife, Conservation Ecology, Course of Study Committee
- Dept. Fish, Wildlife, Conservation Ecology, Recruitment Committee
- Dept. Fish, Wildlife, Conservation Ecology, Program Building/Donors Committee
- NMSU Museum Curators

PRIOR UNIVERSITY SERVICE (Partial Listing):

- College of Agriculture and Home Economics, Distance Education Committee
- College of Agriculture and Home Economics, Assessment Liaison (NMSU 2015-2017)
- University-wide, Advocates for Scholarly Teaching Committee (NMSU 2017)
- Dept. Fish, Wildlife, Conservation Ecology, Museum Committee, NMSU 2008-2013
- Dept. Fishery & Wildlife Sciences, Graduate Committee, NMSU
- Dept. Fishery & Wildlife Sciences, Freshman advisor, NMSU
- NMSU, Center for Natural History Collections, Executive Committee
- Director of the Natural History Museum, ENMU
- Revised Wildlife and Fishery undergraduate curriculum, ENMU
- Developed graduate program in Applied Ecology, ENMU
- Faculty advisor to pre-professional Fish and Wildlife Club, ENMU
- Numerous faculty search committees, ENMU
- President - Biology Graduate Student Association, UNM.
- Graduate Policy Committee, Department of Biology, UNM.
- Graduate Research Allocations Committee, Dept. Biology, UNM.

CURRENT PROFESSIONAL SERVICE:

- Associate Editor—Journal of Mammalogy
- Organizer/Chair - New Mexico Mammal Conservation Working Group
- Core Working Group – New Mexico State Wildlife Action Plan
- Kaufman Award Committee, American Society of Mammalogists
- Grinnell Award Committee, American Society of Mammalogists
- Conservation Committee, American Society of Mammalogists
- Conservation Committee, Southwestern Association of Naturalists
- New Mexico Beaver Working Group
- New Mexico Pinyon Jay Working Group
- IUCN Lagomorph Specialist Group
- IUCN Small Mammal Specialist Group
- North American Lagomorph WG – Snowshoe Hare standing committee
- North American Lagomorph WG – Jackrabbits/arid rabbits standing committee
- Peer Reviewer for: Journal of Wildlife Management, Journal of Mammalogy,

National Science Foundation, Diversity and Distributions, Journal of Biogeography, Forest Ecology & Management, Global Change Biology, Canadian Journal of Zoology, Ecological Applications, Southwestern Naturalist, Western North American Naturalist; Canadian Field Naturalist; Comparative Medicine; Journal of Fish and Wildlife Management; Proceedings of the Biological Society of Washington; Ecological Applications; Ecosphere; Avian Ecology and Conservation; Occasional Papers of The Museum of Texas Tech University, Wildlife Monographs, Environmental DNA, PLOSOne, Frontiers in Plant Science; Aquatic Conservation: Marine and Freshwater Ecosystems; Global Ecology and Conservation; Biological Conservation; Ecology and Evolution

PRIOR PROFESSIONAL SERVICE (Partial Listing):

- Middle Rio Grande Project, subject matter experts group for New Mexico meadow jumping mouse
- New Mexico Chapter of The Wildlife Society; Local Committee for 2019 meeting
- Riparian Rodent Advisory Committee, New Mexico Department of Game and Fish
- Associate Editor, The Southwestern Naturalist (2008-2015)
- New Mexico Chapter of The Wildlife Society; Local Committee for 2015 meeting
- Share With Wildlife Task Force, New Mexico Department of Game and Fish
- Board of Directors, New Mexico Chapter of the Wildlife Society
- Scientific advisor groups: NM Bat Working Group; NM River Otter; NM Beaver
- Forest Service Region 3 Mammal Sensitive Species Experts Group
- Board of Trustees, New Mexico Museum of Natural History and Science.
- IUCN, Species Survival Commission, Rodent Specialist Group for North America.
- Board of Directors, Southwestern Association of Naturalists.
- Chair, Conservation Committee, Southwestern Association of Naturalists.
- Resolutions Committee, American Society of Mammalogists.
- Education and Graduate Student Committee, American Society of Mammalogists.
- Committee on Women and Minority Issues, American Society of Mammalogists.
- Secretary - Zoology Section, Southwestern and Rocky Mountain Division, AAAS.

PROFESSIONAL SOCIETY AFFILIATIONS:

- American Society of Mammalogists
 - Associate Editor for *Journal of Mammalogy*
 - Conservation Committee
 - Kaufman Award Committee
 - Grinnell Award Committee
- The Wildlife Society
 - Southwest Section
 - New Mexico Chapter
- Southwestern Association of Naturalists
 - Conservation Committee

HONORS AND AWARDS:

Teaching Award of Merit. For individuals whose efforts represent the very best in agricultural higher education. ACES and North American Colleges and Teachers of Agriculture. 2019

Excellence in Teaching Award. For those who teach with passion, inspire students beyond the classroom, demonstrate dedication to developing students beyond academic qualifications or who make a positive difference in the lives of NSLS members. New Mexico State University chapter of the National Society of Leadership and Success. 2019

Teaching Academy Distinguished Member. For those that spend > 40 hours participating in Teaching Academy or Instructional Innovation and Quality (IIQ) events. 2019

Faculty Merit Award. For excellence in teaching, scholarship and service. Eastern New Mexico University. 2001

James H. Nakano Citation Award. For the outstanding scientific paper published in 1994. National Center for Infectious Diseases and Centers for Disease Control and Prevention, 1995.

Albert R. and Alma E. Shadle Fellowship in Mammalogy. The highest annual award given to a single graduate student or recent PhD graduate who has demonstrated a productive and important role in professional mammalogy. American Society of Mammalogists and the Buffalo Foundation, 1992.

University of New Mexico Graduate Achievement Award. Award presented to the two most outstanding graduate students at the University of New Mexico, 1991.

Robert I. Larus Award. For the outstanding student paper presented in 1990. American Association for the Advancement of Science, 1990.

Outstanding Presentation Award. For an outstanding graduate student research paper competition. Southwestern and Rocky Mountain Division, American Association for the Advancement of Science, 1988.

Emporia State University Graduate Achievement Award. Award presented to the outstanding graduate student at Emporia State University, 1987, 1988.

GRANTS AND CONTRACTS (Total = \$ 3,767,960; does not include managed subcontracts prior to 2023):

- \$90,000 - Research and Conservation of Mammals on White Sands Missile Range, yr 5. White Sands Missile Range. 2023
- \$91,308 – Green Valley bird and bat studies. White Sands Missile Range. 2023
- \$35,240 - Bat conservation 2023. White Sands Missile Range. 2023
- \$28,791 – Post-wildfire habitat use by the Peñasco least chipmunk, yr3. New Mexico Department of Game and Fish Share with Wildlife Program. 2023
- \$248,609 – Wind farm influence on site occupancy of medium and large species of terrestrial mammals with special emphasis on pronghorn and mule deer. Bureau of Land

Management. 2022 (with Theresa Laverty)

- \$55,690 – Post-wildfire habitat use by the Peñasco least chipmunk. New Mexico Department of Game and Fish Share with Wildlife Program. 2022
- \$90,000 - Research and Conservation of Mammals on White Sands Missile Range, yr 4. White Sands Missile Range. 2022
- \$25,000 - BLM Organ Mountains Chipmunk – Essential Information for Management. Bureau of Land Management. 2021
- \$68,147 – Post-wildfire habitat use by the Peñasco least chipmunk. New Mexico Department of Game and Fish Share with Wildlife Program. 2021
- \$90,000 - Research and Conservation of Mammals on White Sands Missile Range, yr 3. White Sands Missile Range. 2021
- \$90,000 - Research and Conservation of Mammals on White Sands Missile Range, yr 2. White Sands Missile Range. 2020
- \$115,750 BLM Organ Mountains Chipmunk – Essential Information for Management. Bureau of Land Management. 2019
- \$39,926 - South Sacramento Peñasco Least Chipmunk Survey. Lincoln National Forest. 2019
- \$183,000 - Habitat Selection by the Organ Mountains Colorado Chipmunk. Fort Bliss Military Reservation. 2019
- \$82,250 - Research and Conservation of Mammals on White Sands Missile Range. White Sands Missile Range. 2019
- \$15,170- New Mexico Department of Game and Fish. Life history and activity budget of the Peñasco least chipmunk (*Neotamias minimus atristriatus*). (with F. Gebresselassie, and F. McKibben). 2019
- \$12,500 - New Mexico Department of Game and Fish. Organ Mountains chipmunk habitat selection. 2019
- \$50,160 – New Mexico Department of Game and Fish. Distribution and habitat selection of the Penasco least chipmunk. (with F. McKibben) 2019
- \$19,500 - New Mexico Department of Game and Fish. Organ Mountains chipmunk habitat selection. (with B. Schweiger) 2018
- \$30,160 – New Mexico Department of Game and Fish. Distribution and habitat selection of the Penasco least chipmunk. 2018
- \$17,765 – New Mexico Department of Game and Fish. Habitat selection by the Organ Mountains chipmunk. 2018
- \$32,199 – New Mexico Department of Game and Fish. Distribution, abundance, and habitat selection of the Penasco least chipmunk revealed by N-mixture models. 2017
- \$ 61,925 - White Sands Missile Range. Oscura Mountain chipmunk monitoring. 2016
- \$ 19,772 – New Mexico Department of Game and Fish. Survey for the Penasco least chipmunk (*Tamias minimus atristriatus*). 2015
- \$ 62,125 – White Sands Missile Range. Oscura Mountain chipmunk monitoring. 2015
- \$ 7,500 - White Sands Missile Range. Survey for meadow jumping mouse (*Zapus hudsonius luteus*). 2015
- \$ 59,562 – White Sands Missile Range. Oscura Mountain chipmunk monitoring. 2014
- \$ 50,500 – White Sands Missile Range. Survey for meadow jumping mouse (*Zapus hudsonius luteus*). 2014

- \$ 6,246 – Marron and Associates. Survey for the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) at Coyote Creek, Mora County, New Mexico. 2014
- \$ 4,000 – The Nature Conservancy. Evaluation of flow-ecology relationships for mammals in the Gila River. 2013-2014.
- \$ 10,412 – Bureau of Land Management. Survey for meadow jumping mouse (*Zapus hudsonius luteus*) on the Sacramento River. 2013
- \$ 6,450 – New Mexico Department of Game and Fish. Draft survey protocol for the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*). 2012-2013
- \$ 19,688 – Evaluation of meadow jumping mouse habitat on Middle Rio Grande. Bureau of Reclamation. 2012-2013
- \$ 4,803 – Marron and Associates. Survey for the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) at Coyote Creek, Mora County, New Mexico. 2012
- \$ 15,000 – Carson National Forest. New Mexico meadow jumping mouse surveys. 2011
- \$ 11,000 – New Mexico Department of Game and Fish, Share with Wildlife. Development of a habitat suitability model for the Organ Mountain chipmunk & jumping mouse survey of Casa Colorado WMA. 2011
- \$ 14,000 – New Mexico Department of Game and Fish, Share with Wildlife. Development of non-invasive monitoring protocols for the Organ Mountain chipmunk. 2010
- \$19,924 – U.S. Fish and Wildlife Service. Using pocket gophers to enhance habitat for the endangered Sacramento prickly poppy. 2010.
- \$ 4,000 – Review of ecosystem services of the American beaver. WildEarth Guardians. 2010.
- \$ 4,999 – Colorado Division of Wildlife. New Mexican meadow jumping mouse survey. 2010
- \$ 38,880 – San Juan Public Lands. New Mexican meadow jumping mouse survey. 2009-2010
- \$ 25,571 – New Mexico Department of Game and Fish, Share with Wildlife. Cool season activity of the meadow jumping mouse in the Middle Rio Grande (with G. Wright). 2009-2011
- \$ 22,647 – Carson National Forest. Abert's squirrel monitoring, 2009. 2009
- \$ 25,239 – Carson National Forest. Red squirrel monitoring, 2008. 2009
- \$ 20,000 – New Mexico Department of Game and Fish, Share with Wildlife. Montane mammal museum studies. 2008-2010
- \$138,807 – U.S. Fish and Wildlife Service/Bureau of Reclamation. Response of the meadow jumping mouse to wetland management in the Middle Rio Grande, New Mexico. 2009-2011.
- \$128,948 - Arizona Game and Fish Heritage Grants. Inventory of the meadow jumping mouse in Arizona. 2008-2010.
- \$ 21,446 - Carson National Forest. Abert's squirrel monitoring, 2008. 2008
- \$ 5,870 – Marron and Associates. Mammal survey of Living Desert Zoo State Park. 2008
- \$ 2,500 - Modeling with a keystone indicator species: conservation implications for desert grasslands. T&E Inc. (with Martin Moses and Gary Roemer). 2008-2010
- \$ 2,500 – New Mexico State Parks. Mammals of Sugarite Canyon State Park. 2007

- \$ 24,000 – New Mexico Department of Game and Fish, Share with Wildlife. Morphological and genetic analysis of *Zapus hudsonius luteus*. 2007
- \$ 5,900 – New Mexico Department of Game and Fish. Key to the Rodentia of New Mexico. 2007
- \$ 2,500 - Modeling with a keystone indicator species: conservation implications for semi-arid grasslands. T&E Inc. (with Martin Moses and Gary Roemer). 2007-2009
- \$ 26,460 – New Mexico Department of Game and Fish. Status of the Peñasco least chipmunk. 2006
- \$ 26,037 – Lincoln National Forest. Population assessment of the red squirrel. 2006
- \$ 700 – Society for Conservation Biology. Peer-review of US Forest Service species assessments for the hog-nosed skunk and pygmy shrew. 2006
- \$ 5,250 – Santa Fe National Forest, Jemez Ranger District. Inventory for the meadow jumping mouse. 2006
- \$ 29,820 – New Mexico Department of Game and Fish. Status of the meadow jumping mouse in the Sangre de Cristo Mountains. 2006
- \$ 2,000 – New Mexico State Parks. Status of the meadow jumping mouse at Sugarite Canyon State Park. 2006.
- \$ 20,053 – Carson National Forest. Abert’s squirrel monitoring, 2006. 2006
- \$ 5,900 - New Mexico Share with Wildlife: Key to the Rodentia of New Mexico, Part II. 2005-2006.
- \$ 10,000 – Desert Southwest Cooperative Ecosystem Studies Unit. Literature review on mammalian carnivore use on islands, coyote telemetry methodology, and biology of islands in the Laguna Madre. (with D. Echols, Padre Island National Seashore). 2006
- \$ 2,500 - Modeling with a keystone indicator species: conservation implications for desert grasslands. T&E Inc. (with Kristen Otten and Gary Roemer). 2006-2008
- \$ 18,651 – New Mexico Department of Game and Fish. Status survey of the least shrew (*Cryptotis parva*). 2005
- \$ 19,819 – New Mexico Department of Game and Fish. Status survey of the meadow jumping mouse (*Zapus hudsonius*). 2005
- \$ 15,564 – Carson National Forest. Abert’s squirrel monitoring, 2005. 2005
- \$100,000 – International Arid Lands Consortium: Keystone indicator: a tool for semi-desert grassland conservation. (with Gary Roemer and Eli Geffen). 2005-2007
- \$10,000 – National Park Service: Literature review on mammalian carnivore use on islands, coyote telemetry methodology, and biology of islands in the Laguna Madre at Padre Island. 2006
- \$160,636 – National Parks Service: Mammal inventory of Padre Island National Seashore. 2004-2007
- \$ 10,352 – National Park Service: Data mining and data entry for Vital Signs Monitoring Plan. (with Don Caccamise). 2004-2005
- \$ 17,729 – New Mexico Department of Game and Fish. Status of the endangered Arizona montane vole (*Microtus montanus arizonensis*) in New Mexico. 2004
- \$ 7,500 – New Mexico Share with Wildlife: Key to the Rodentia of New Mexico. 2004-2005.
- \$ 10,000 – New Mexico Share with Wildlife: Habitat and diet of the threatened New Mexico meadow jumping mouse (*Zapus hudsonius luteus*): a spatial and temporal

- assessment". (with K. Mohrland and D. Jones). 2004-2005
- \$ 26,000 – Carson National Forest. Red squirrel and Abert's squirrel monitoring. 2004.
 - \$ 46,570 – Carson National Forest. Red squirrel and Abert's squirrel monitoring; small mammal surveys. 2003.
 - \$ 8,998 – BAE Systems Analytical Solutions, Inc. White Sands Missile Range small mammal voucher specimen preparation and identification. 2003-2005.
 - \$ 98,000 – National Science Foundation. Center for Natural Resource Analysis within New Mexico Experimental Program to Stimulate Competitive Research (EPSCoR). (J.R. Gosz, A.W. Powell, et al.). I was the PI for the ENMU portion of \$ 3 million total award. 2002.
 - \$ 3,335 – ENMU Research and Faculty Development Committee: Ecological segregation of the mountain cottontail (*Sylvilagus nuttallii*) and the snowshoe hare (*Lepus americanus*). 2001.
 - \$563,389 – Grand Canyon Monitoring and Research Center, USGS: Inventory and monitoring of terrestrial riparian biological resources in Grand Canyon: an integrative approach. (with M.J.C. Kersley, H. Yard, N. Cobb, D.C. Lightfoot, G. Carpenter, and S.L. Brantley). 2001
 - \$ 7,500 – USDA Forest Service: Expert's Panel on Grazing Impacts on Southwestern Mammals. 2001
 - \$ 2,000 – New Mexico Natural Heritage Program: White Sands Missile Range Integrated Natural Resources Management Plan: Mammals. 2000-2001.
 - \$ 4,979 – Lincoln National Forest, USDA Forest Service and ENMU Research and Faculty Development Committee: Status of the endangered Peñasco least chipmunk (*Tamias minimus atristriatus*). 2000.
 - \$ 17,000 – New Mexico State Land Office: Geospatially referenced database for sensitive mammal, bird, and plant voucher specimens in the ENMU Natural History Museum. 1999-2000.
 - \$ 5,500 – New Mexico Department of Game and Fish: Lesser prairie chicken lek surveys. 1999-2001.
 - \$ 1,991 – ENMU Teaching and Technology Instruction: Radiotelemetry equipment and photographic slides of birds and mammals for classroom instruction. 1999.
 - \$ 15,000 – U.S. Forest Service, in collaboration with the New Mexico Department of Game and Fish. for Relationships among Southwest mammals and GAP vegetation types for the Biotic Information System of New Mexico (BISON-M). 1998.
 - \$ 9,981 – Turner Biodiversity Division: Mammal survey of the Fra Cristobal Mountains, Armendariz Ranch, Sierra County, New Mexico. 1998.
 - \$ 49,249 – Animas Foundation: Effects of reintroduced black-tailed prairie dogs on grassland ecology. (with C. Curtin, D. Lightfoot, G. Carpenter, and A. Henry). 1998.
 - \$ 3,262 – ENMU Research and Faculty Development Committee: Distribution and habitat preference of white-tailed deer in New Mexico. 1998.
 - \$ 3,000 – Ski Island Alliance, The Wildlands Project: Data compilation of focal species. 1997.
 - \$ 17,500 – U.S. Geological Survey, Biological Resources Division: Response of southwestern montane mammal communities to global change. (with T. L. Yates) 1997.
 - \$ 27,180 – National Science Foundation: Joint U.S.-Mexico Workshop on International

- Ecology and Biodiversity. (with T. L. Yates and G. Ceballos) 1996.
- \$ 11,986 – U.S. Forest Service: Mammal survey of the Negrito Creek watershed, Gila National Forest, Catron Co., New Mexico. 1995.
 - \$ 12,700 – Arizona Game and Fish Department: Mexican vole (*Microtus mexicanus*) genetic analyses. 1992, 1993.
 - \$ 2,000 – Albuquerque Community Foundation: Wildlife Rescue, Inc. of New Mexico, (with Francisca C. Bermudez and Elizabeth P. Elliston). 1993.
 - \$ 900 – Sigma Xi; Biology, UNM; GSA, UNM: Dispersal versus vicariance in southwest montane mammals: genetics of long-tailed vole populations. 1991.
 - \$ 19,500 – New Mexico Game and Fish Department: Allozyme and mtDNA restriction site variation in sandhill crane (*Grus canadensis*). (with T. L. Yates). 1991.
 - \$ 500 – GRAC; SRAC; Vice President's Graduate Research Fund, Office of Research, UNM: Historical Biogeography of the Mexican Vole (*Microtus mexicanus*). 1990.
 - \$ 1,226 – Kansas Department of Wildlife and Parks. For Distribution and habitat analysis of the long-tailed shrew in Kansas. (with D. W. Moore). 1987.

PAPERS PRESENTED AT PROFESSIONAL MEETINGS:

1. Frey, J. K. 1987. Nongeographic variation in the Mexican vole (*Microtus mexicanus*). Kansas Academy of Science.
2. Frey, J. K., and D. W. Moore. 1988. Distribution of *Sorex haydeni* in Kansas. Southwestern and Rocky Mountain Division, American Association for the Advancement of Science. winner Outstanding Presentation Award
3. Frey, J. K. 1988. Distribution of Hayden's shrew (*Sorex haydeni*) in Kansas. Kansas Academy of Science.
4. Frey, J. K., and D. W. Moore. 1988. Morphologic variation and systematics of the Mexican vole (*Microtus mexicanus*). Southwestern Association of Naturalists.
5. Frey, J. K., and D. W. Moore. 1988. Distribution of *Sorex haydeni* in Kansas. Prairie States Ecology Conclave.
6. Frey, J. K., and D. W. Moore. 1988. Morphologic variation and systematics of the Mexican vole (*Microtus mexicanus*). American Society of Mammalogists.
7. Frey, J. K., and D. W. Moore. 1989. Geographic variation in the Mexican vole (*Microtus mexicanus*). Southwestern and Rocky Mountain Division, American Association for the Advancement of Science.
8. Moore, D. W., G. Ploskey, and J. K. Frey. 1989. Identification of hybrids between sauger and walleye. Southwestern Association of Naturalists.
9. Frey, J. K. 1990. Fluctuation of a mammalian faunal element in response to climatic change. Southwestern Association of Naturalists.
10. Frey, J. K. 1990. Fluctuation of a mammalian faunal element in response to climatic factors. Southwestern and Rocky Mountain Division, American Association for the Advancement of Science.
Winner Robert I. Larus Award
11. Frey, J. K. 1990. Fluctuation of a mammalian faunal element in response to climatic change. American Society of Mammalogists.

12. Frey, J. K., and D. W. Moore. 1990. Range expansion of the meadow vole (*Microtus pennsylvanicus*) in Kansas. Kansas Mammalogists.
13. Frey, J. K. 1991. Response of a mammalian faunal element to climatic change. American Association for the Advancement of Science. invited paper
14. Gannon, W. L., P. J. Glass, J. K. Frey, and T. L. Yates. 1991. Information retrieval of biological materials at the Museum of Southwestern Biology. American Society of Mammalogists.
15. Frey, J. K. 1992. Evolutionary consequences of modes of peripheral isolate formation under alternative modes of speciation and speciation in frogs of the subgenus *Stombus* (Leptodactylidae: genus *Ceratophrys*). Southwestern Association of Naturalists.
16. Frey, J. K. 1992. Evolutionary consequences of modes of peripheral isolate formation under alternative modes of speciation. American Society of Mammalogists.
17. Frey, J. K. 1993. Testing among modes of allopatric speciation: A hypothetico-deductive approach. American Society of Mammalogists.
Invited Plenary paper-Shadle Award
18. Frey, J. K., D. J. Hafner, T. L. Yates, and C. G. Schmitt. 1994. Allozyme and mitochondrial DNA variation in migratory sandhill crane (*Grus canadensis*). Southwestern Association of Naturalists.
19. Bermudez, F. C., and J. K. Frey. 1994. Value and potential of wildlife rehabilitation to the zoological sciences. Southwestern Association of Naturalists.
20. Frey, J. K., and M. J. Patrick. 1994. Endoparasites from the endangered Hualapai vole (*Microtus mogollonensis hualpaiensis*). American Society of Mammalogists.
21. Ditto, A. M. and J. K. Frey. 1995. Species diversity and the peninsular effect: non-volant mammals in Chihuahuan Desert habitat peninsulas. Southwestern Association of Naturalists.
22. Frey, J. K. 1995. Homage to Darwin: On the evolution of domestic breeds of standard chickens. Southwestern Association of Naturalists.
23. Frey, J. K. 1996. Assessing distribution patterns and predicting climate induced extinctions in southwestern montane mammals. Southwestern Association of Naturalists.
24. Ditto, A. M. and J. K. Frey. 1997. Effects of island attributes on genetic variability in southwestern montane mammals. Southwestern Association of Naturalists.
25. Frey, J. K. 1997. A climate induced pump for increased genetic variability in a peripheral isolate of the montane vole? Southwestern Association of Naturalists.
26. Ditto, A. M. and J. K. Frey. 1997. Effects of island attributes on genetic variability in southwestern montane mammals. American Society of Mammalogists.
27. Frey, J.K. 1998. Conservation considerations for the reintroduction of grizzly bears and wolves in the Southwest. Southwestern Association of Naturalists.
28. Fields, S.P., and J.K. Frey. 2000. Squamate reptiles in New Mexico: patterns of species richness and provincialism. Southwestern Association of Naturalists.
29. Kendall, J., and J.K. Frey. 2000. Hierarchical relationships of bat communities in Arizona, New Mexico, Utah and Colorado. Southwestern Association of Naturalists.
30. Frey, T.C. and J.K. Frey. 2000. Railroads: an alternative mechanism for mesquite invasion in the Southwest. Southwestern Association of Naturalists.
31. Hope, A., and J.K. Frey. 2000. Biogeographic models of the distribution of Canadian lynx (*Lynx canadensis*) in the western United States with implications for reintroduction and conservation. Southwestern Association of Naturalists.

32. Edgmon, M.G, L. Castillo, and J.K. Frey. 2000. Diversity of avian populations in CRP and native grasslands on the Llano Estacado in the Texas Panhandle. Southwestern Association of Naturalists.
33. Hope, A., and J.K. Frey. 2001. Biogeographic models of the distribution of Canadian lynx (*Lynx canadensis*) in the western United States with implications for reintroduction and conservation. Joint Arizona-New Mexico Chapters of The Wildlife Society.
34. Kendall, J., and J.K. Frey. 2001. Management implications of hierarchical relationships of southwestern bat communities based on Bailey's ecoregions. Joint Arizona-New Mexico Chapters of The Wildlife Society.
35. Hope, A., and J.K. Frey. 2001. Biogeographic nestedness and conservation of boreal mammals in the western contiguous United States. Southwestern Association of Naturalists.
Winner Clark Hubbs Award-best poster presentation
36. Hope, A. and J.K. Frey. 2001. Biogeographic nestedness and conservation of boreal mammals in the western contiguous United States. American Society of Mammalogists.
37. Malaney, J. and J.K. Frey. 2002. Habitat differentiation between snowshoe hare (*Lepus americanus*) and mountain cottontail (*Sylvilagus nuttallii*) in New Mexico. Joint Arizona-New Mexico Chapters of The Wildlife Society.
38. Malaney, J. and J.K. Frey. 2003. Snowshoe hare (*Lepus americanus*) population parameters and habitat preferences in New Mexico. Joint Arizona-New Mexico Chapters of The Wildlife Society.
39. Malaney, J. and J.K. Frey. 2003. Primary productivity and habitat quality hypotheses for control of snowshoe hare (*Lepus americanus*) demography: a test at the southern range limit and conclusions for conservation. Southwestern Association of Naturalists.
Winner Clark Hubbs Award-best poster presentation
40. Malaney, J. and J.K. Frey. 2003. Primary productivity and habitat quality hypotheses for control of snowshoe hare (*Lepus americanus*) demography: a test at the southern range limit and conclusions for conservation. American Society of Mammalogists.
41. Frey, J.K. 2003. Vicariance, not dispersal, is the primary mechanism for the distribution of boreal mammals in the American Southwest. American Society of Mammalogists.
42. Kearsley, M., N. Cobb, H. Yard, D. Lightfoot, G. Carpenter, S. Brantley, and J.K. Frey. 2003. Inventory and monitoring of terrestrial riparian biological resources in Grand Canyon: an integrative approach. Ecological Society of America.
43. Malaney, J. and J.K. Frey. 2004. Habitat differentiation between snowshoe hare (*Lepus americanus*) and mountain cottontail (*Sylvilagus nuttallii*) at their southern zone of sympatry. Southwestern Association of Naturalists.
(*winner Clark Hubbs Award-best poster presentation)
44. Mathis, V.L. and J.K. Frey. 2005. Geographic variation in relictual populations of red squirrel (*Tamiasciurus hudsonicus*) in the American Southwest. Southwestern Association of Naturalists.
45. Malaney, J. and J.K. Frey. 2006. Decline of montane populations of the threatened meadow jumping mouse (*Zapus hudsonius luteus*) in New Mexico. Arizona and New Mexico Chapters of The Wildlife Society.
46. Wampler, C.R, J.K. Frey and J. Boren. 2006. Effects of silvicultural treatments on the small mammal community in a southwest coniferous forest. Arizona and New Mexico Chapters of The Wildlife Society.

47. Jones, G.D., K.M. Otten, C. R. Wampler, Z. Schwenke, and J. K. Frey. 2006. Status and habitats of the threatened least shrew (*Cryptotis parva*) in New Mexico. Arizona and New Mexico Chapters of The Wildlife Society.
48. Wampler, C.R, J.K. Frey and J. Boren. 2006. Effects of silvicultural treatments on the small mammal community in a southwest coniferous forest. The Southwestern Association of Naturalists.
49. Montoya, A. and J.K. Frey. 2007. Geographic variation and taxonomy of the gray-footed chipmunk (*Tamias canipes*). The Southwestern Association of Naturalists.
50. Wampler, C.R, J.K. Frey and J. Boren. 2007. Effects of fuels reduction thinning on the small mammal community in a southwest coniferous forest. The Southwestern Association of Naturalists.
51. Jones, G., and J.K. Frey. 2007. An enigma of the species-area relationship: small island effect on coastal Texas islands. American Society of Mammalogists.
52. Frey, J.K., J.L. Malaney, Z. J. Schwenke, and J.A. Cook. 2007. The New Mexico meadow jumping mouse (*Zapus hudsonius luteus*): a declining riparian indicator species. American Society of Mammalogists.
53. Schwenke, Z.J., J.K. Frey, and J.R. Choate. 2008. Identifying isolated peripheral populations of the least shrew (*Cryptotis parva*) along the western extent of its range. American Society of Mammalogists.
54. Frey, J.K. 2008. Mammals of the Gila: patterns of diversity and species of concern. Natural History of the Gila Symposium, Silver City.
55. Malaney, J.L., J.K. Frey, J.A. Cook. 2009. Conservation genetics and phylogeography of the New Mexico Meadow Jumping Mouse (*Zapus hudsonius luteus*). Arizona and New Mexico Chapters of The Wildlife Society.
56. Moses, M.R., G.W. Roemer, and J.K. Frey. 2009. Unraveling sources of variation in annual survival among distinct populations of banner-tailed kangaroo rats in the Chihuahuan Desert. Ecological Society of America, Albuquerque.
57. J.C. Lewis, J.K. Frey, R.K. Guy, J.N. Stuart, J.F. Roback, and K.G. Boykin. 2009. White-nosed coati (*Nasua narica*) habitat suitability and distribution in the state of New Mexico. Howard Hughes Medical Institute-NMSU Undergraduate Research Scholar Symposium, Las Cruces.
58. Wright, G.D., and J.K. Frey. 2009. Status of the meadow jumping mouse at Bosque del Apache national Wildlife Refuge. Festival of the Cranes.
59. J.C. Lewis, J.K. Frey, R.K. Guy, J.N. Stuart, J.F. Roback, and K.G. Boykin. 2010. Improving ecological niche models; an example based on the white-nosed coati in the southwest. Arizona and New Mexico Chapters of The Wildlife Society.
60. Wright, G.D., and J.K. Frey. 2010. The endangered meadow jumping mouse in the Rio Grande Valley; observations of decline, habitat, and behavior. Arizona and New Mexico Chapters of The Wildlife Society.
61. Calkins, M. and J.K. Frey. 2010. A revised distribution and habitat associations for the water shrew in the White Mountains, Arizona. Arizona and New Mexico Chapters of The Wildlife Society.
62. Frey, J.K. 2010. Status of the meadow jumping mouse in Arizona. Arizona and New Mexico Chapters of The Wildlife Society.
63. Wright, G.D. and Frey, J.K. 2010. The endangered meadow jumping mouse at BANWR: observations of occupation, habitat, and behavior. Festival of the Cranes.

64. Frey, J.K. 2012. Synopsis of the status and ecology of the meadow jumping mouse (*Zapus hudsonius luteus*): an imperiled species in the American Southwest. Arizona and New Mexico Chapters of The Wildlife Society.
65. Frey, J.K. 2013. Ecosystem services of the American beaver: wetland engineer. New Mexico Environment Department Beavers and Wetlands Symposium. Santa Fe.
66. Small, B., I. Barela, J.K. Frey. 2014. Status of dam building beaver on public lands in New Mexico: a comparison of occupied and vacant sites. Arizona and New Mexico Chapters of The Wildlife Society.
67. Frey, J.K. 2014. The NMSU Wildlife Museum. Department of Fish, Wildlife & Conservation Ecology Alumni and Friends Reception.
68. Frey, J.K., P. Castillo, J. Iglesias. 2015. Eastern fox squirrels in the West. Western Pecan Growers.
69. Barela, I. and J.K. Frey. 2015 Use of woody forage plants by the American beaver (*Castor canadensis*) in the Chihuahuan Desert. Arizona and New Mexico Chapters of The Wildlife Society.
70. Small, B.A., J.K. Frey, C. C. Gard. 2015. Evaluation of habitat suitability for dam-building beaver in northern New Mexico. Arizona and New Mexico Chapters of The Wildlife Society. (best wildlife student paper finalist)
71. Castillo, P., J.K. Frey, J. Iglesias. 2015. Damage caused by the eastern fox squirrel (*Sciurus niger*) in pecan orchards in the El Paso Valley. NMSU Undergraduate Research and Creative Arts Symposium.
72. Barela, I. and J.K. Frey. 2015 Use of woody forage plants by the American beaver (*Castor canadensis*) in the Chihuahuan Desert. NMSU Undergraduate Research and Creative Arts Symposium.
73. Small, B.A., J.K. Frey, C. C. Gard. 2015. Evaluation of habitat suitability for dam-building beaver in northern New Mexico. New Mexico Environment Department Wetlands Roundtable.
74. Youtz, J.A., R. Goljani A., J.K. Frey. 2016. A habitat suitability model for the Dusky Grouse in New Mexico. Arizona and New Mexico Chapters of The Wildlife Society.
75. Perkins-Taylor, I. and J.K. Frey. 2016. Detection rates during surveys of the endangered New Mexico meadow jumping mouse. Arizona and New Mexico Chapters of The Wildlife Society.
76. Youtz, J.A., R. Goljani A., J.K. Frey. 2016. A habitat suitability model for the Dusky Grouse in New Mexico. Gila Symposium
77. Youtz, J.A., R. Goljani A., J.K. Frey. 2017. A habitat suitability model for the Dusky Grouse in New Mexico. Arizona and New Mexico Chapters of The Wildlife Society.
78. Burke, R., K. Stoner, and J.K. Frey. 2017. Predicting seasonal distribution and migratory pathways for neotropical nectar-feeding bats. Arizona and New Mexico Chapters of The Wildlife Society.
79. Frey, J.K. 2017. Identification, distribution and ecology of the New Mexico meadow jumping mouse in the zone of sympatry with the western jumping mouse. Arizona and New Mexico Chapters of The Wildlife Society.
80. Lehnen, S., J.K. Frey et al. 2017. Use of remote cameras to detect the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) at Bosque del Apache National Wildlife Refuge. Arizona and New Mexico Chapters of The Wildlife Society.
81. Perkins-Taylor, I. and J.K. Frey. 2017. Developing conservation guidelines for the

- Oscura Mountain chipmunk using occupancy models. Arizona and New Mexico Chapters of The Wildlife Society.
Winner Bests Presentation-New Mexico Chapter Award
82. Goljani, R., J.K. Frey, et al. 2017. Predicting spatial factors associated with cattle depredations by the Mexican wolf (*Canis lupus baileyi*) in Arizona and New Mexico. Arizona and New Mexico Chapters of The Wildlife Society.
 83. Burke, R., K. Stoner, J.K. Frey, C. P. Brown. 2017. Predicting seasonal distribution and migratory pathways for neotropical nectar-feeding bats. The Wildlife Society.
 84. Goljani, R., J.K. Frey, D.L. Bergman, S.W. Breck., J.W. Cain, J. Oakleaf, J.B. Smith. 2017. Predicting spatial factors associated with livestock depredations by the Mexican wolf in Arizona and New Mexico. The Wildlife Society.
 85. Perkins-Taylor, I. and J.K. Frey. 2017. Assessing site occupancy of the Oscura Mountains Colorado chipmunk using camera traps. The Wildlife Society.
Winner Second Bests Presentation Award
 86. Youtz, J.A., R. Goljani A., J.K. Frey. 2017. Species distribution models for the Dusky Grouse in New Mexico: Implications for conservation and climate change. The Wildlife Society.
 87. Frey, J.K. 2018. Review of the distribution, habitat, and conservation status of the Peñasco least chipmunk. Arizona and New Mexico Chapters of The Wildlife Society.
 88. McKibben F.E. and J. K. Frey. 2019. Cameras or traps? Evaluating survey techniques for the endangered Peñasco least chipmunk Arizona and New Mexico Chapters of The Wildlife Society.
 89. Schweiger, B.R. and J. K. Frey. 2019. Chasing chipmunks: inside the life of the Organ Mountains Colorado chipmunk. Arizona and New Mexico Chapters of The Wildlife Society.
 90. Lucero, S., B.R. Schweiger, and J.K. Frey. 2019. How temperature affects the activity of the Organ Mountain Colorado Chipmunk. NMSU Undergraduate Research and Creative Arts Symposium.
 91. McKibben F.E. and J. K. Frey. 2020. Microhabitat selection by the Peñasco least chipmunk. Arizona and New Mexico Chapters of The Wildlife Society.
** Winner Bests Presentation for New Mexico Award**
 92. Schweiger, B.R. and J. K. Frey. 2020. Habitat selection by the Organ Mountains Colorado chipmunk. Arizona and New Mexico Chapters of The Wildlife Society.
 93. McKibben F.E. and J. K. Frey. 2021. When a supposed habitat generalist is actually a specialist: multi-scale habitat selection by the least chipmunk. Arizona and New Mexico Chapters of The Wildlife Society.
** Winner Best Presentation Award**
 94. Schweiger, B.R. and J. K. Frey. 2021. Climate change threatens an endemic chipmunks time to be active. Arizona and New Mexico Chapters of The Wildlife Society.
 95. O'Connell, C.N. and J.K. Frey. 2021. Multi-scale habitat selection of the Oscura Mountains Colorado chipmunk across a mosaic of pinyon woodlands stands that vary in age and species dominance. Arizona and New Mexico Chapters of The Wildlife Society.
 96. Jacobson, H.N. and J.K. Frey. 2021. Assessing the extent of changes in occupancy at historical sites of the Organ Mountains Colorado chipmunk. Arizona and New Mexico Chapters of The Wildlife Society.
 97. Jacobson, H.N. and J.K. Frey. 2021. Assessing the extent of changes in occupancy at

- historical sites of *Neotamias quadrivittatus australis*. American Society of Mammalogists.
98. Schweiger, B.R. and J. K. Frey. 2021. Weather determines diel activity of an endemic chipmunk with predictions for climate change. American Society of Mammalogists.
 99. McKibben, F.E. and J.K. Frey. 2021. When a supposed habitat generalist is a specialist: multi-scale habitat selection by the least chipmunk. American Society of Mammalogists
 100. Perkins-Taylor, I., and J.K. Frey. 2021. When detection and occupancy covariates find themselves of the wrong side of the equation. American Society of Mammalogist.
 101. Serrano, T., H. Jacobson, and J.K. Frey. 2022. Habitat use by the ringtail in the Organ Mountains, New Mexico. Arizona and New Mexico Chapters of The Wildlife Society.
 102. Jacobson, H.N., F.E. McKibben, and J.K. Frey. 2022. Changes in microhabitat as a potential cause of the apparent absence of the Peñasco least chipmunk. Arizona and New Mexico Chapters of The Wildlife Society.
 103. Herbert, S. and J.K. Frey 2022. Predicting habitat of an elusive lava-dwelling chipmunk. Arizona and New Mexico Chapters of The Wildlife Society.
 104. Londono-Gaviria, M., J. Malaney, A. Chavez, J. Demboski, J. Frey, J. Cook. 2022. Genomic variation of endangered New Mexico meadow jumping mice: Implications for conservation and management. Gila Symposium.
 105. Serrano, T., H. Jacobson, and J.K. Frey. 2022. Habitat use by the ringtail in the Organ Mountains, New Mexico. NMSU BioSymposium.
 106. Serrano, T., H. Jacobson, and J.K. Frey. 2022. Habitat use by the ringtail in the Organ Mountains, New Mexico. ACES Open House Student Poster Competition.
Winner Best Poster Undergraduate
 107. Londono-Gaviria, M., J. Malaney, A. Chavez, J. Demboski, J. Frey, J. Cook. 2022. Genomic variation of endangered New Mexico meadow jumping mice: Implications for conservation and management. Gila Symposium.
 108. Jacobson, H.N., F.E. McKibben, and J.K. Frey. 2022. Changes in microhabitat as a potential cause of the apparent absence of the Peñasco least chipmunk. Southwestern Association of Naturalist.
Winner Field Naturalist Award
 109. Frey, J.K., M. Dalton, H. Jacobson, F. McKibben, C. O'Connell, I. Perkins-Taylor, B. Schweiger. 2022. Habitat selection informs biogeography and conservation of mammals in the Southwest Sky Islands. American Society of Mammalogists
 110. Frey, J.K. 2022. Special Symposium Panel Discussion-Biogeography of Sky Island Mammals. American Society of Mammalogists.
 111. Frey, J.K. and C.N. O'Connell. 2023. Microhabitat selection by the Oscura Mountains Colorado chipmunk: an old growth pinyon-juniper woodland specialist. Arizona and New Mexico Chapters of The Wildlife Society.
 112. Jacobson, H.N., and J.K. Frey. 2023. Life history matters: Incorporating life stage and abundance in detection models for the Organ Mountain Colorado chipmunk. Arizona and New Mexico Chapters of The Wildlife Society.
 113. Youtz, J., B. Schweiger, and J.K. Frey. 2023. Decline of the white-tailed jackrabbit: conservation implications and research needs. The Wildlife Society. Invited Paper.
 114. Jacobson, H.N., and J.K. Frey. 2024. Niche reduction drives extirpation and habitat specialization in an endemic montane chipmunk. Arizona and New Mexico Chapters of The Wildlife Society.

115. Rohan, I., T. Laverty, and J.K. Frey. 2024. Evaluating detection probability of ungulates using remote cameras in central New Mexico wind farms. Arizona and New Mexico Chapters of The Wildlife Society.
116. Noverola, C. and J.K. Frey. 2024. Diet of the Mexican spotted owl (*Stix occidentalis lucida*) and great horned owl (*Bubo virginiana*) on Los Alamos National Laboratory.
117. Grooms, W. and J.K. Frey. 2024. Persistence of Penasco least chipmunk on Nogal Peak. Arizona and New Mexico Chapters of The Wildlife Society.
118. Youtz, J., B. Schweiger, and J.K. Frey. 2024. Decline of the white-tailed jackrabbit: conservation implications and research needs. Arizona and New Mexico Chapters of The Wildlife Society.
119. Ferguson, M., G. Copland, L. Baca, D. Shaw, J.K. Frey, J. Malaney, J. Dunnum, J.A. Cook. Is climate disruption influencing the northern range limits of wildlife in the Southwestern US? Arizona and New Mexico Chapters of The Wildlife Society.

SELECTED RECENT TECHNICAL REPORTS:

- Frey, J.K. 2003. Baseline inventory of small mammal prey-base communities on Carson National Forest, New Mexico. Final Report submitted to Carson National Forest, 48 pp.
- Frey, J.K. 2003. Preliminary investigation of the relationship between montane meadow stubble height and small mammal communities on Carson National Forest, New Mexico. Final Report submitted to Carson National Forest, 14 pp.
- Frey, J.K. 2003. Initiation of Abert's squirrel (*Sciurus aberti*) monitoring on Carson National Forest, New Mexico. Final Report submitted to Carson National Forest, 18 pp.
- Frey, J.K. 2003. Initiation of red squirrel (*Tamiasciurus hudsonicus*) monitoring on Carson National Forest, New Mexico. Final Report submitted to Carson National Forest. 38 pp.
- Frey, J.K. 2004. Abert's squirrel (*Sciurus aberti*) monitoring and habitat analysis on Carson National Forest, New Mexico, 2004. Final Report submitted to Carson National Forest, 21 pp.
- Frey, J.K. 2004. Red squirrel (*Tamiasciurus hudsonicus*) monitoring and habitat analysis on Carson National Forest, New Mexico, 2004. Final Report submitted to Carson National Forest, 45 pp.
- Frey, J.K. 2005. Status assessment of the Arizona montane vole (*Microtus montanus arizonensis*) in New Mexico. Final Report submitted to New Mexico Department of Game and Fish, 39 pp.
- Frey, J.K. 2005. Keys to the squirrels, pocket gophers, New World rats and mice, voles, and jumping mice of New Mexico. Final report submitted to New Mexico Department of Game and Fish, 75 pp.
- Frey, J.K. 2005. Abert's squirrel (*Sciurus aberti*) monitoring on Carson National Forest, New Mexico, 2005. Final Report submitted to Carson National Forest, 32 pp.
- Frey, J.K. 2005. Status and habitat of the least shrew (*Cryptotis parva*) in New Mexico. Final Report submitted to New Mexico Dept. of Game and Fish, 40 pp.
- Frey, J.K. 2005. Status assessment of montane populations of the New Mexico meadow

- jumping mouse (*Zapus hudsonius luteus*) in New Mexico. Final Report submitted to New Mexico Department of Game and Fish, 74 pp.
- Kearsley, M., D. Lightfoot, S. Brantley, J.K. Frey, and H. Yard. 2006. Introduction. Pages 4-31 in M. Kearsley, N. Cobb, H. Yard, D. Lightfoot, G. Carpenter, S. Brantley, and J.K. Frey. Inventory and monitoring of terrestrial riparian resources in the Colorado River corridor of Grand Canyon: an integrative approach. Final report submitted to USGS Grand Canyon monitoring and research Center, 317 pp.
- Frey, J.K. 2006. Mammals. Pages 154-177 in M. Kearsley, N. Cobb, H. yard, D. Lightfoot, G. Carpenter, S. Brantley, and J.K. Frey. Inventory and monitoring of terrestrial riparian resources in the Colorado River corridor of Grand Canyon: an integrative approach. Final report submitted to USGS Grand Canyon monitoring and research Center, 317 pp.
- Frey, J.K. 2006. Abert's squirrel (*Sciurus aberti*) monitoring on Carson National Forest, New Mexico, 2006. Final Report submitted to Carson National Forest, 41 pp.
- Frey, J.K. 2006. Status of the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) in the Sangre de Cristo Mountains, New Mexico, Final Report submitted to New Mexico Department of Game and Fish, 78 pp.
- Frey, J.K. 2007. Survey for the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) at selected locations in the Jemez Ranger District, Santa Fe National Forest, Final Report submitted to Jemez Ranger District, Santa Fe National Forest, 28 pp.
- Frey, J.K. 2007. Density and habitat of red squirrel (*Tamiasciurus hudsonicus*) in five study areas on Lincoln National Forest New Mexico. Final Report submitted to Lincoln National Forest, 54 pp.
- Frey, J.K. 2007. Key to the Rodents of New Mexico. Final Report submitted to New Mexico Department of Game and Fish, 120 pp.
- Frey, J.K. and K. Boykin. 2007. Status assessment of the Peñasco least chipmunk (*Tamias minimus atristriatus*). Final Report submitted to New Mexico Department of Game and Fish, 72 pp.
- Frey, J.K. and Z. J. Schwenke. 2007. Mammals of Sugarite Canyon State Park, Colfax County, New Mexico. Final Report submitted to New Mexico State Parks, 49 pp.
- Frey, J.K., and G.D. Jones. 2008. Mammal inventory of Padre Island National Seashore. Final Report submitted to Padre Island National Seashore, 271 pp.
- Frey, J.K. 2008. Morphology and genetics of the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*). Final Report submitted to New Mexico Department of Game and Fish, 77 pp.
- Frey, J.K. 2008. Baseline inventory of the wild mammals of Living Desert Zoo and Gardens State park, Eddy County, New Mexico. Final Report submitted to New Mexico State Parks, 36 pp.
- Frey, J.K. 2008. Abert's squirrel (*Sciurus aberti*) monitoring on Carson National Forest, New Mexico, 2008. Final Report submitted to Carson National Forest, 40 pp.
- Frey, J.K. 2009. Abert's squirrel (*Sciurus aberti*) monitoring on Carson National Forest, New Mexico, 2009. Final Report submitted to Carson National Forest, 42 pp.
- Frey, J.K. 2009. Red squirrel (*Tamiasciurus hudsonicus*) monitoring on Carson National Forest, New Mexico, 2009. Final Report submitted to Carson National Forest, 37 pp.

- Frey, J.K., and G.D. Wright. 2010. Rio Grande jumping mouse ecology. Annual Technical Progress Report for 2009 submitted to U.s. Fish and Wildlife Service, Region 2, Albuquerque, New Mexico, revised 23 February 2010, 34 pp.
- Wright, G.D., and J.K. Frey. 2010. Cool season activity of the meadow jumping mouse in the Middle Rio Grande. Final Report submitted to New Mexico Department of Game and Fish, Share with Wildlife Program, 16 pp.
- Frey, J.K. 2010. Identification of voles from Aragon, Catron county, New Mexico: are they the endangered Arizona montane vole (*Microtus montanus arizonensis*)? Final Report submitted to New Mexico Department of Game and Fish, Share with Wildlife Program, 20 pp.
- Frey, J.K. 2010. Identification of chipmunks from the Sacramento Mountains in the Academy of Natural Sciences of Philadelphia: are they the endangered Penasco least chipmunk (*Tamias minimus atristriatus*)? Final Report submitted to New Mexico Department of Game and Fish, Share with Wildlife Program, 22 pp.
- Frey, J.K. 2010. Review of the western heather vole (*Phenacomys intermedius*) at its southern range limits. Final Report submitted to New Mexico Department of Game and Fish, Share with Wildlife Program, 46 pp.
- Frey, J.K., and M.T. Calkins. 2010. Status of the ermine (*Mustela erminea*) at its southern range limits, New Mexico. Final Report submitted to New Mexico Department of Game and Fish, Share with Wildlife Program, 48 pp.
- Frey, J.K. 2011. Survey for the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) on the San Juan and San Luis Valley Public Lands Centers, Colorado. Final Report submitted to San Juan Public Lands Center, 8 January 2011, 44 pp.
- Frey, J.K., and G.D. Wright. 2011. Rio Grande jumping mouse ecology. Annual Technical Progress Report for 2010 submitted to U.s. Fish and Wildlife Service, Region 2, Albuquerque, New Mexico, 12 February 2011, 42 pp.
- Frey, J.K. 2011. Development of non-invasive monitoring protocols for the Organ Mountains chipmunk. Final Report submitted to New Mexico Department of Game and Fish, Share with Wildlife Program, 41 pp.
- Frey, J.K. 2011. Inventory of the meadow jumping mouse in Arizona. Final Report submitted to Arizona Game and Fish Department Heritage Grant I09004, 5 July 2011, 114 pp.
- Frey, J.K. and G.D. Wright. 2012. Multiple Scale Habitat Selection by a Small Mammal Habitat Specialist (*Zapus hudsonius luteus*) in a Managed Floodplain Landscape. Final Report submitted to U.S. Fish and Wildlife Service, Cooperative Agreement 201819J806, 16 March 2012, 109 pp.
- Frey, J.K. 2012. Survey for the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) at Coyote Creek, Mora County, New Mexico. Final Report submitted to Marron and Associates, 31 August 2012, 10 pp.
- Frey, J.K. 2012. Survey for the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) on Carson National Forest, New Mexico. Final Report submitted to Carson National Forest, 5 December 2012, 71 pp.
- Frey, J.K. 2012f. Survey for the meadow jumping mouse (*Zapus hudsonius luteus*) at Casa Colorada Wildlife Area, Valencia county, New Mexico. Final Report submitted to Share With Wildlife, Conservation Services Division, New Mexico Department of Game and Fish, 10 December 2012, 13 pp.

- Frey, J.K. 2013a. Survey for the meadow jumping mouse at Bosque del Apache National Wildlife Refuge. Final Report submitted to US Fish and Wildlife Service, Ecological Services, Southwest Region, 5 June 2013 (revised).
- Frey, J.K. 2013b. Draft survey protocol for the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*). Final report submitted to Non-game and T&E Mammal Program, New Mexico Department of Game and Fish, 28 June 2013, 53 pp.
- Frey, J.K. 2013c. Survey for the New Mexico meadow jumping mouse on the Sacramento River, Otero County, New Mexico, with recommendations for maintenance of the Sacramento-Orogrande Pipeline. Final report submitted to the Bureau of Land Management, Las Cruces District Office, 24 September 2013.
- Frey, J.K., and D.A. Kopp. 2013. Post Track Fire survey for the meadow jumping mouse (*Zapus hudsonius luteus*) at Sugarite Canyon State Park. Report submitted to US Fish and Wildlife Service, 30 July 2013. 11 Pages
- Frey, J.K., and D.A. Kopp. 2014. Preliminary assessment of jumping mouse habitat associated with the Middle Rio Grande Project. Final report submitted to U.S. Department of the Interior, Bureau of Reclamation, Albuquerque Area Office. 20 January 2014.
- Frey, J.K. 2014. Riparian Mammals of the Gila River, New Mexico: Impacts of Flow Pages 353-356 In Gori, D., M.S. Cooper, E.S. Soles, M. Stone, R. Morrison, T.F. Turner, D.L. Propst, G. Garfin, M. Switanek, H. Chang, S. Bassett, J. Haney, D. Lyons, M. Horner, C.N. Dahm, J.K. Frey, K. Kindscher, H.A. Walker, and M.T. Bogan. Gila River Flow Needs Assessment. A report by The Nature Conservancy. 515 Pp. <http://nmconservation.org/Gila/GilaFlowNeedsAssessment.pdf>
- Frey, J.K., and Q. R. Hays. 2017. Surveys for the Penasco least chipmunk 2016. Final Report submitted to Share with Wildlife, Conservation Services Division, New Mexico Department of Game and Fish, March 2017, 53 pp.
- Caplan, T., G. Wilde, H. Walker, J. Frey, D. Lee. 2018. Middle Rio Grande Adaptive Management Framework: Identifying critical scientific uncertainties. Final Report to Army Corps of Engineers, Albuquerque District, 7 May 2018, 394 pp.
- Frey, J.K., R.A. Goljani, I.E. Perkins-Taylor. 2018. New Mexico meadow jumping mouse survey on White Sands Missile Range. Final Report to White Sands Missile Range, 24 May 2018. 15 pp.
- Frey, J.K. 2019. Survey for the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) on the Rio Grande in the Rio Grande del Norte National Monument, New Mexico. Final Report to the Bureau of Land Management, 12 Oct 2020. 22 pp.
- Frey, J. K. and B. R. Schweiger. 2019. NM Highway 434 mitigation monitoring: surveys for the New Mexico jumping mouse (*Zapus hudsonius luteus*) on Coyote Creek in the Brock Fishing Easement, Mora County, New Mexico. Final Report submitted to New Mexico Department of Transportation and U.S. Fish and Wildlife Service New Mexico Ecological Services Field Office, 24 pp.
- Schweiger, B. R. and J. K. Frey. 2020. Habitat selection by the Organ Mountains Colorado chipmunk. Final Report submitted to New Mexico Department of Game and Fish, 29 pp.
- McKibben, F.E., and J.K. Frey. 2020. Distribution and habitat selection by the Peñasco least chipmunk (*Neotamias minimus atristriatus*). Final Report to New Mexico Department of Game and Fish Share with Wildlife Program, 24 March 2020. 69

- pp.
- Frey, J.K. 2020. Survey for the New Mexico meadow jumping mouse on the Bureau of Land Management reaches of the Santa Fe River, New Mexico. Final Report to the Bureau of Land Management, 12 Oct 2020. 22 pp.
- Frey, J.K. 2021. Status and limiting factors of the Arizona montane vole in New Mexico. Final Report to New Mexico Share with Wildlife, 31 Jan 2021. 55 pp.
- McKibben, F.E., F. A. Gebreselassie, and J.K. Frey. 2021. Life history and activity of the Peñasco least chipmunk (*Neotamias minimus atristriatus*). 18 Aug. 2021. 27 pp.
- Jacobson, H.N., F.E. McKibben, and J.K. Frey. 2021. Survey for the Peñasco least chipmunk in the South Sacramento Restoration Project, Sacramento Ranger District, Lincoln National Forest. Final Report to Lincoln National Forest, 11 Nov. 2021. 75 pp.

PEER-REVIEWED PUBLICATIONS:

ResearchGate: https://www.researchgate.net/profile/Jennifer_Frey3
Peer-refereed articles/book chapters/book = 98
Google Scholar (Citations = 2,369, H-index = 23, I10-index = 53)

NOTE: asterisk indicate students I mentored: *=graduate student; **=undergraduate student; *=high school student.**

1. Prophet, C. W., and J. K. Frey. 1987. Capture of *Diaptomus siciloides* and *Diaptomus pallidus* by suction simulator and gizzard shad (*Dorosoma cepedianum*). *Journal of Freshwater Ecology*, 4:253-258.
2. Tims, T. A., J. K. Frey, T. A. Spradling, and D. W. Moore. 1989. A new locality for the pygmy shrew (*Sorex hoyi winnemana*) in Tennessee. *Journal of the Tennessee Academy of Science*, 64:240.
3. Frey, J. K., and D. W. Moore. 1990. Status of Hayden's shrew (*Sorex haydeni*) in Kansas. *Southwestern Naturalist*, 35:84-86.
4. Frey, J. K., and D. W. Moore. 1990. Nongeographic morphologic variation in the Mexican vole (*Microtus mexicanus*). *Transactions of the Kansas Academy of Sciences*, 93:97-109.
5. Frey, J. K., and D. W. Moore. 1990. Range expansion of the meadow vole (*Microtus pennsylvanicus*) in Kansas. *Prairie Naturalist*, 22:259-263.
6. Choate, J. R., D. W. Moore, and J. K. Frey. 1991. Dispersal of the meadow jumping mouse in northern Kansas. *Prairie Naturalist*, 23:127-130.
7. Frey, J. K. 1992. Response of a mammalian faunal element to climatic changes. *Journal of Mammalogy*, 73:43-50.
8. Frey, J. K., T. L. Yates, D. W. Duszynski, W. L. Gannon, and S. L. Gardner. 1992. Designation and curatorial management of type host specimens (symbiotypes) for new parasite taxa. *Journal of Parasitology*, 78:930-932.
9. Frey, J. K. 1993. Modes of peripheral isolate formation and speciation. *Systematic Biology*, 42:373-381.

10. Frey, J. K., and C. T. LaRue. 1993. Notes on the distribution of the Mogollon vole (*Microtus mogollonensis*) in Arizona and New Mexico. *Southwestern Naturalist*, 38:176-178.
11. Frey, J. K. 1993. Nocturnal foraging by scissor-tailed flycatchers under artificial light. *Western Birds*, 24:200.
12. Frey, J. K., and F. C. Bermudez**. 1994. Cordilleran flycatchers nesting within a cave. *New Mexico Ornithological Society Bulletin*, 22:23-24.
13. Childs, J. E., T. G. Ksiazek, C. F. Spiropoulou, J. W. Krebs, S. Morzunov, G. O. Maupi, K. L. Gage, P. E. Rollin, J. Sarisky, R. E. Enscore, J. K. Frey, C. J. Peters, and S. T. Nichol. 1994. Serologic and genetic identification of *Peromyscus maniculatus* as the primary reservoir for a new hantavirus in the southwestern United States. *Journal of Infectious Disease*, 169:2171-2180. Charles C. Shepard Science Award and James H. Nakano Citation candidate
14. Bermudez**, F. C., J. N. Stuart, J. K. Frey, and R. Valdez. 1995. Distribution and status of the Virginia opossum (*Didelphis virginiana*) in New Mexico. *Southwestern Naturalist*, 40:336-340.
15. Frey, J. K., and M. J. Patrick. 1995. Endoparasites from the endangered Hualapai vole, *Microtus mogollonensis hualpaiensis* (Rodentia: Cricetidae). *Journal of Parasitology*, 81:641-643.
16. Frey, J. K., J. H. Fraga***, and F. C. Bermudez**. 1995. A new locality of the montane vole (*Microtus montanus arizonensis*) in New Mexico. *Southwestern Naturalist*, 40:421-422.
17. Frey, J. K. 1996. Rock Rattlesnake (*Crotalus lepidus*). *Aquatic Behavior. Herpetological Review*, 27:145.
18. Frey, J. K. 1996. Mammalian type localities in New Mexico. *Occasional Papers of the Museum of Southwestern Biology*, 7:1-25.
19. Frey, J. K., and T. L. Yates. 1996. Mammalian diversity in New Mexico. *in* *New Mexico's Natural Heritage: Biological Diversity in the Land of Enchantment* (E.A. Herrera and L.F. Henneke, eds.). *New Mexico Journal of Science*, 36:4-37.
20. Frey, J. K., and F. A. Cervantes. 1997. *Microtus umbrosus*. *Mammalian Species*, 555:1-3.
21. Frey, J. K., and F. A. Cervantes. 1997. *Microtus oaxacensis*. *Mammalian Species*, 556:1-3.
22. Frey, J. K., and M. L. Campbell**. 1997. Introduced population of fox squirrel (*Sciurus niger*) in Trans-Pecos and Llano Estacado regions of New Mexico and Texas. *Southwestern Naturalist*, 42:356-358.
23. Frey, J. K., R. D. Fischer, and L. A. Ruedas. 1997. The type locality of *Sylvilagus cognatus* Nelson 1907 (Lagomorpha: Leporidae). *Proceedings of the Biological Society of Washington*, 110:329-331.
24. Frey, J. K. 1999. Osgood's mouse / *Peromyscus gratus*. Pp. 570-571, *in* *The Smithsonian Book of North American Mammals* (D. E. Wilson and S. Ruff, eds.). Smithsonian Institution Press, Washington, D.C., 750 pp.
25. Frey, J. K. 1999. Mogollon vole / *Microtus mogollonensis*. Pp. 634-634 *in* *The Smithsonian Book of North American Mammals* (D. E. Wilson and S. Ruff, eds.). Smithsonian Institution Press, Washington, D.C. 750 pp.
26. Frey, J.K., J.J. Root, C.A. Jones, C.H. Calisher, and B. J. Beaty. 2002. New records of

- the Mogollon vole, *Microtus mogollonensis* (Mearns 1890), in southwestern Colorado. *Western North American Naturalist*, 62:120-123.
27. Frey, J.K. and M.S. Burt*. 2002. The banner-tailed kangaroo rat (*Dipodomys spectabilis*) in west-central New Mexico. *New Mexico Journal of Science*, 41:25-29.
 28. Frey, J.K., R.D. Fisher, M.A. Bogan, C. Jones. 2002. First record of the Arizona cotton rat (*Sigmodon arizonae*) in New Mexico. *Southwestern Naturalist*, 47:491-493.
 29. Dunnun, J.L., J.K. Frey, D. Tinin, J. Salazar-Bravo, T.L. Yates. 2002. Elevational range extension for the hispid cotton rat, *Sigmodon hispidus*, (Rodentia: Muridae). *Southwestern Naturalist*, 47:637-639.
 30. Frey, J.K. 2003. Distributional records and natural history notes for uncommon mammals on the Llano Estacado of eastern New Mexico. *New Mexico Journal of Science*, 43:1-24.
 31. Frey, J.K. 2004. Taxonomy and distribution of the mammals of New Mexico: an annotated checklist. *Occasional Papers, Museum of Texas Tech University*, 240:1-32.
 32. Frey, J.K. 2006. Inferring species distributions in the absence of occurrence records: an example considering wolverine (*Gulo gulo*) and Canada lynx (*Lynx canadensis*) in New Mexico. *Biological Conservation*, 130:16-24.
 33. Frey, J.K. 2006. Review of *Mammals of Carlsbad Caverns National Park, New Mexico*, by K.N. Geluso and K. Geluso, 2004. *Journal of Mammalogy*, 87:817.
 34. Malaney*, J.A. and J.K. Frey. 2006. Summer habitat use by snowshoe hare and mountain cottontail at their southern zone of sympatry. *Journal of Wildlife Management*, 70:877-883.
 35. Frey, J.K., and J.A. Malaney*. 2006. Snowshoe hare (*Lepus americanus*) and mountain cottontail (*Sylvilagus nuttallii*) biogeography at their southern range limit. *Journal of Mammalogy*, 87:1175-1182.
 36. Ditto*, A. M., and J. K. Frey. 2007. Effects of ecogeographic variables on genetic variation in montane mammals: implications for population survivorship in a global warming scenario. *Journal of Biogeography*, 34:1136-1149.
 37. Frey, J.K., T.L. Yates, and M.A. Bogan. 2007. Mountaintop island age determines species richness of boreal mammals in the American Southwest. *Ecography*, 30:231-240.
 38. Frey, J.K. 2007. The cliff chipmunk (*Tamias dorsalis*) does not occur in the Sandia Mountains, New Mexico. *Western North American Naturalist*, 67:611-612.
 39. Frey, J.K., M.T. Hill**, B.L. Christman, J.C. Truett, S.O. MacDonald. 2008. Distribution and habitat of the Arizona gray squirrel (*Sciurus arizonensis*) in New Mexico. *The Southwestern Naturalist*, 53:248-255.
 40. Wampler*, C.R., J.K. Frey, D.M. VanLeeuwen, J.C. Boren, T.T. Baker. 2008. Mammals in mechanically thinned and non-thinned mixed-coniferous forest in the Sacramento Mountains, New Mexico. *The Southwestern Naturalist*, 53:431-443.
 41. Frey, J.K. 2008. New distributional records of the red squirrel (*Tamiasciurus hudsonicus*) in western New Mexico and evidence for its extirpation from the Zuni Mountains. *Western North American Naturalist*, 68:530-535.
 42. Jones*, G.D., and J.K. Frey. 2008 (2009). First records of gray fox (*Urocyon cinereoargenteus*) on Texas barrier islands. *Texas Journal of Science*, 60:225-227.
 43. Stuart, J.N., J.K. Frey, Z. J. Schwenke**, and John S. Sherman. 2007 (2009). Status of

- the armadillo (*Dasyopus novemcinctus*) in New Mexico. *Prairie Naturalist*, 39:163-169.
44. Frey, J.K. 2009. Distinguishing range expansions from previously undocumented populations using background data from museum records. *Diversity and Distributions*, 15:183-187.
 45. Frey, J.K., and J.L. Malaney. 2009. Decline of the meadow jumping mouse (*Zapus hudsonius luteus*) in two mountain ranges in New Mexico. *The Southwestern Naturalist*, 54:31-44.
 46. Frey, J.K. 2009. Genetics of allopatric populations of the montane vole (*Microtus montanus*) and Mogollon vole (*Microtus mogollonensis*) in the American Southwest. *Western North American Naturalist*, 69:215-222.
 47. Frey, J.K., R.D. Fisher, and S.C. Peurach. 2009. Capture locations of two endangered rodents during a 1902 exploration of the Sacramento Mountains, New Mexico. *Western North American Naturalist*, 69:267-271.
 48. Frey, J.K., B.J. Frey, and D.W. Moore. 2009. Karyotypes of the long-tailed vole (*Microtus longicaudus*) in isolated mountain ranges of the American Southwest. *Western North American Naturalist*, 69:388-390.
 49. Frey, J.K., and J.N. Stuart. 2009. Nine-banded armadillo (*Dasyopus novemcinctus*) records in New Mexico, USA. *Edentata*, 8-10:54-55.
 50. Frey, J.K. 2010. Mammals of the upper Gila River watershed, Arizona and New Mexico: patterns of diversity and species of concern. *New Mexico Botanist*, Special Issue, 2:67-87.
 51. Moses*, M.R., J.K. Frey, and G. W. Roemer. 2012. Elevated surface temperature depresses survival of banner-tailed kangaroo rats: will climate change cook a desert icon? *Oecologia*, 168: 257-268.
 52. Malaney, J. L., J. K. Frey, and J. A. Cook. 2012. The biogeographic legacy of an imperilled taxon provides a foundation for assessing lineage diversification, demography, and conservation genetics. *Diversity and Distributions*, 18:689-703.
 53. Calkins*, M.T., E. A. Beever, K.G. Boykin, J. K. Frey, and M. C. Andersen. 2012. Not-so-splendid isolation: modeling climate-mediated range collapse of a montane mammal *Ochotona princeps* across numerous ecoregions. *Ecography*, 35: 780-791.
 54. Frey, J.K. 2012. Evidence for the historical occurrence of the meadow jumping mouse in the Verde River watershed, Arizona. *Western North American Naturalist*, 72:257-262.
 55. Frey, J.K. and Z.J. Schwenke**. 2012. Mammals of Sugarite Canyon State Park, Colfax County, New Mexico. *Museum of Texas Tech University, Occasional Papers*, 311:1-24.
 56. Frey, J.K. 2013. Re-evaluation of the evidence for the importation of red foxes from Europe to colonial America: Origins of the southeastern red fox (*Vulpes v. fulva*). *Biological Conservation*, 158:74-79.
 57. Frey, J.K., J.C. Lewis**, R.K. Guy*, J.S. Stuart. 2013. Use of anecdotal occurrence data in species distribution models: an example based on the white-nosed coati (*Nasua narica*) in the American Southwest. *Animals*, 3:327-348.
 58. Jones*, G.D. and J.K. Frey. 2013. Mammals of Padre Island National Seashore. *Special Publications, The Museum, Texas Tech University*, 61:1-63.
 59. Frey, J.K., J. Iglesias, K. Herman**. 2013. Eastern fox squirrel (*Sciurus niger*): new

- threat to pecan orchards in far west Texas. *Western North American Naturalist*, 73:382-385.
60. Frey, J.K., and M. Calkins*. 2014. Snow cover and riparian habitat determine the distribution of the short-tailed weasel (*Mustela erminea*) at its southern range limits in arid western North America. *Mammalia*, 78:45-56.
 61. Wright*, G. D. and J.K. Frey. 2014. Herbeal feeding behavior of the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*). *Western North American Naturalist*, 74:231-235.
 62. Wright*, G. D. and J.K. Frey. 2015. Habitat Selection by the Endangered Meadow Jumping Mouse (*Zapus hudsonius luteus*) on an Irrigated floodplain. *Journal of Fish and Wildlife Management*, 6:112-129.
 63. J.K. Frey. 2015. Variation in the phenology of hibernation and reproduction in the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*). PeerJ DOI: 10.7717/peerj.1138
 64. Small*, B.A., J.K. Frey, C.C. Gard. 2016. Livestock grazing limits beaver restoration in northern New Mexico. *Journal of Restoration Ecology*, 24: 646-655.
 65. Barela**, I. and J.K. Frey. 2016. Habitat and forage selection by the American beaver (*Castor canadensis*) on a regulated river in the Chihuahuan Desert. *The Southwestern Naturalist*, 61:286-293.
 66. Frey, J.K. 2017. Landscape Scale and Microhabitat of the Endangered New Mexico Meadow Jumping Mouse in the White Mountains, Arizona. *Journal of Fish and Wildlife Management*, 8:39-58. <https://doi.org/10.3996/062016-JFWM-043>
 67. Burruss*, D., A. Matchano, J.K. Frey, M. Andersen, C. Sillero-Zubiri. 2017. Food habits of the pale fox in Niger. *African Journal of Ecology*, 55: 664-671.
 68. Coxen,* C.L., Frey, J.K., S.A. Carlton, D.P. Collins. 2017. Species distribution models for a migratory bird based on citizen science and satellite tracking data. *Global Ecology and Conservation*, 11:298-311.
 69. Frey, JK. 2017. A review and the conservation implications of aquatic behaviour and drowning in jumping mice (Dipodidae: Zapodinae). *Canadian Field Naturalist*, 131: 141-143.
 70. Perkins-Taylor*, I. and J.K. Frey. 2018. Ecological factors associated with site occupancy of an endemic chipmunk. *Journal of Wildlife Management*, 82:1466-1477.
 71. Goljani*, R., J.K. Frey, J. W. Cain III, S. W. Breck, D. L. Bergman. 2018. Predicting spatial factors associated with cattle depredations by the Mexican wolf (*Canis lupus baileyi*) with recommendations for depredation risk modeling. *Biological Conservation*, 224:327-335.
 72. Frey, J.K. 2018. Beavers, livestock, and riparian synergies: bringing small mammals into the picture. Pages 85-101 in *Riparian Research and Management: Past, Present, and Future*. Volume 1. US Forest Service, Rocky Mountain Research Station, General Technical Report, RMRS-GTR-377.
 73. Burke*, R., J.K. Frey, A.C. Ganguli, K.E. Stoner. 2019. Species distribution modeling supports "nectar corridor" hypothesis for migratory nectarivorous bats and conservation of tropical dry forests. *Diversity and Distributions*, 25: 1399-1415.
 74. Frey, J.K., E.A. Beever, C. Hathcock, R.R. Parmenter, and M.L. Westover*. 2019. Discovery of the yellow-bellied marmot (*Marmota flaviventris*) in the Jemez

- Mountains, New Mexico: Examining competing hypotheses for range extension. *Western North American Naturalist*, 79:285-294.
75. Brown, D.E., A.T. Smith, J.K. Frey, and B.R. Schweiger*. 2020. A review of the ongoing decline of the white-tailed jackrabbit. *Journal of Fish and Wildlife Management*, 11:341-352. <https://doi.org/10.3996/042019-JFWM-026>
 76. Perkins-Taylor*, I.E., and J.K. Frey. 2020. Predicting the distribution of a rare chipmunk (*Neotamias quadrivittatus obscuraensis*): comparing MaxEnt and occupancy models. *Journal of Mammalogy*, 101:1035-1048. <https://doi.org/10.1093/jmammal/gyaa057>
 77. Perkins-Taylor*, I.E., and J.K. Frey. 2020. Remote cameras versus visual and auditory methods for surveying the Colorado chipmunk (*Neotamias quadrivittatus*). *Western North American Naturalist*, 80:351-358.
 78. Frey, J.K. and M.T. Calkins*. 2020. Habitat of the Rocky Mountain water shrew in the White Mountains, Arizona. *Journal of Fish and Wildlife Management*, 11:196-209. <https://meridian.allenpress.com/jfwm/article/11/1/196/436157/Habitat-Use-of-the-Rocky-Mountain-Water-Shrew-in>
 79. Burke, R.,* J.K. Frey, and K. E. Stoner. 2021. Using Species Distribution Modeling to Delineate Richness Patterns of Chiropterophyllid Plants and Allocate Conservation Efforts in Mexico and the Southwestern United States. *Natural Area Journal*, 41:85-92. <https://doi.org/10.3375/043.041.0203>
 80. McKibben*, F.E., and J.K. Frey. 2021. Linking camera-trap data to taxonomy: Identifying photographs of morphologically similar chipmunks. *Ecology and Evolution*, 11: 9741-9764. <https://doi.org/10.1002/ece3.7801>
 81. Schweiger, B.R.*, J.K. Frey, and J.W. Cain III. 2021. A case for multiscale habitat selection studies of small mammals. *Journal of Mammalogy*. 102:1249-1265. <https://doi.org/10.1093/jmammal/gyab071>
 82. Schweiger*, B.R. and J.K. Frey. 2021. Weather determines daily activity pattern of an endemic chipmunk with predictions for climate change. *Climate Change Ecology*, 2: <https://doi.org/10.1016/j.ecochg.2021.100027>
 83. Hope, A.G., and J. K. Frey. 2021. Misinterpretation of genomic data matters for endangered species listing: The subspecific status of the Peñasco least chipmunk (*Neotamias minimus atristriatus*). *Frontiers in Conservation Science, Conservation Genomics*, DOI: 10.3389/fcosc.2021.793277
 84. Jacobson, H.N. and J. K. Frey. 2022. *Salvadora grahamiae grahamiae* (Mountain Patch-nosed Snake). Predation. *Herpetological Review*, 53: 157-158.
 85. Youtz**, J., J.K. Frey, R.A. Goljani*. 2022. Modelling the impact of climate change and wildfire on the Dusky Grouse (*Dendragapus obscurus*) in the American Southwest: implications for conservation. *Avian Ecology and Conservation*. 17:35 <https://doi.org/10.5751/ACE-02222-170135>
 86. McKibben, F.A.*, F. A. Gebresselassie, J.K. Frey. 2023. To model or not to model: False positive detection error in camera-trap surveys. *Journal of Wildlife Management*, 87(3): e22365 <https://wildlife.onlinelibrary.wiley.com/doi/full/10.1002/jwmg.22365>
 87. Laws, J., M.T. Hill, and J. K. Frey. 2023. Northernmost record of the long-nosed bat (*Leptonycteris* sp.) in New Mexico: conservation implications. *Western Wildlife* 10:6-10.

88. O'Connell, C.N., and J.K. Frey. 2023. Drivers of twoneedle pinyon (*Pinus edulis*) cone productivity: implications for wildlife. *Journal of Forest Ecology and Management*, 538:article 120982. <https://doi.org/10.1016/j.foreco.2023.120982>
89. Frey, J.K., J.L. Malaney, and M.T. Hill**. 2023. Mammals of the Ocotillo Hills, Eddy County, New Mexico. *Occasional Papers of The Museum, Texas Tech University*, 386:1-23.
90. Cartron, J.L. and J.K. Frey. 2023. Introduction. Pp. xix-xxvi In (J-L. E. Cartron and J.K. Frey, editors). *The Wild Carnivores of New Mexico*. University of New Mexico Press.
91. Frey, J.K., M. Gompper, J.L. Cartron. 2023. North American red fox (*Vulpes fulva*). Pp. 437-478 In (J-L. E. Cartron and J.K. Frey, editors). *The Wild Carnivores of New Mexico*. University of New Mexico Press.
92. Frey, J.K. 2023. Wolverine (*Gulo gulo*). Pp 579-608 In (J-L. E. Cartron and J.K. Frey, editors). *The Wild Carnivores of New Mexico*. University of New Mexico Press.
93. Frey, J.K. 2023. American ermine (*Mustela richardsonii*). Pp 667-706 In (J-L. E. Cartron and J.K. Frey, editors). *The Wild Carnivores of New Mexico*. University of New Mexico Press.
94. Frey, J.K. 2023. Long-tailed weasel (*Neogale frenata*). Pp. 739-768 In (J-L. E. Cartron and J.K. Frey, editors). *The Wild Carnivores of New Mexico*. University of New Mexico Press.
95. Frey, J.K. 2023. American mink (*Neogale vison*). Pp.769-794 In (J-L. E. Cartron and J.K. Frey, editors). *The Wild Carnivores of New Mexico*. University of New Mexico Press.
96. Frey, J.K., C. Hass. 2023. White-nosed coati (*Nasua narica*). Pp. 919-946 In (J-L. E. Cartron and J.K. Frey, editors). *The Wild Carnivores of New Mexico*. University of New Mexico Press.
97. O'Connell, C.N.*, and J.K. Frey. Microhabitat selection by the Oscura Mountains Colorado chipmunk: an old growth pinyon-juniper woodlands specialist. *Journal of Mammalogy*. AE Recommended for Acceptance.
98. McKibben, F.A.* and J.K. Frey. Submitted. Multiscale habitat selection of the least chipmunk. *Journal of Mammalogy*
99. Jacobson H.N.* and J.K. Frey. In preparation. Niche reduction drives extirpation and habitat selection.

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Cartron, J.E. and J.K. Frey (editors). 2023. *The Wild Carnivores of New Mexico*. University of New Mexico Press