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Hydrologist
United States Geological Survey
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EDUCATION

Master of Water Resources, 2011, Water Resources-Hydroscience concentration
University of New Mexico, Albuquerque, NM

Bachelor of Science, 1992, Biological Sciences-Thesis option
University of Missouri-Columbia, Columbia, MO

PROFESSIONAL EXPERIENCE

2011-Present Hydrologist, USGS, Northern Prairie Wildlife Research Center, Jamestown, ND
2007-2011 Hydrologic Technician, USGS, New Mexico Water Science Center,
Albuquerque, NM
2006 Research Assistant 3, University of New Mexico, College of Pharmacy,
Albuquerque, NM
2003-2005 Sr. Research Technician, University of Missouri, Dalton Cardiovascular
Research Center, Columbia, MO
1998-2001 Analyst, ACZ Laboratories, Steamboat Springs, CO
1995-1996 Graduate Research Assistant, Iowa State University, Department of Botany,
Ames, IA
1994 Field Technician-Plant Crew, University of New Mexico, Sevilleta Long Term
Ecological Research Station, Albuquerque, NM
1993 Fisheries Research Technician, University of New Mexico, Ichthyofaunal
Studies Program, Albuquerque, NM
1992 Research Experience for Undergraduates (REU) Student, University of
Missouri, Division of Biological Sciences, Columbia, MO

AWARDS AND HONORS

2011 Master of Water Resources—Master's Examination Passed with Distinction
2009 USGS Peer Award—Rio Grande Seepage Investigation/Drain Synoptic
2008 2nd Place Poster Presentation—University of New Mexico Student Water Symposium

CURRENT MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Geophysical Union
Society of Wetland Scientists
American Water Resources Association

PUBLICATIONS

Euliss NH, Jr., Mushet DM, Newton WE, Otto CRV, Nelson RD, LaBaugh JW, **Scherff EJ**, Rosenberry DO. 1994. Placing prairie pothole wetlands along spatial and temporal continua to improve integration of wetland function in ecological investigations. *Journal of Hydrology* **513**: 490-503.

Scherff EJ. 2012. Channel rehabilitation to increase aquatic habitat and reestablish floodplain connectivity on the Upper Gila River (Master's project). Available from UNM LoboVault. (<http://repository.unm.edu/handle/1928/20854>)

Rubino RR, Ivey JR, McKown MD, **Scherff EJ**, Schadt JC. 2006. Respiratory response to hypotensive hemorrhage (HH) in the presence of air jet stress (AIR). *FASEB Journal* **20**: A376.

Shafford HL, **Scherff EJ**, McKown MD, Schadt JC. 2005. Periaqueductal gray neurons respond to both cardiovascular input and external sensory stimuli in conscious rabbits. *FASEB Journal* **19**: A607.

Shafford HL, **Scherff EJ**, McKown MD, Schadt JC. 2004. Does the ventrolateral periaqueductal gray (VLPAG) trigger the decompensatory fall in arterial blood pressure during simulated hypotensive hemorrhage (HEM) in conscious rabbits? *FASEB Journal* **18**: A1072.

Scherff EJ, Galen C, Stanton ML. 1994. Seed dispersal, seedling survival and habitat affinity in a snowbed plant: Limits to the distribution of the snow buttercup, *Ranunculus adoneus*. *Oikos* **69**: 405-413.

Warnken PF, **Scherff EJ**, Love TC. 1990. *International Agriculture--A World of Opportunities*. UMC Extension, Publication M-107, 93 pp.

PRESENTATIONS

Scherff EJ. Modeling wetland hydrology to facilitate quantifying ecosystem services in prairie pothole wetlands. USGS Colorado Water Science Center Brown Bag Lecture, Lakewood, CO, 17 September 2014.

Euliss NH, Jr., **Scherff EJ**. Groundwater connections from Cottonwood Lake to the Pipestem Creek Watershed. James River Operations Meeting, Jamestown, ND, 9 April 2013 [Presented by Euliss].

Scherff EJ, Euliss NH, Jr., Mushet DM. Incorporating sedimentation and water storage into ecosystem services models. ACES and Ecosystem Markets 2012, Ft. Lauderdale, FL, 10-14 December 2012.

Scherff EJ, Euliss NH, Jr., Mushet DM. Hydrologic modeling for depressional wetlands. Integrated Landscape Modeling Quarterly Meeting, Jamestown, ND, 16 August 2012.

Scherff EJ, Coonrod JA, Dahm CN, Acuna V. Channel rehabilitation to increase aquatic habitat and reestablish floodplain connectivity on the Upper Gila River. World Environmental & Water Resources Congress 2012, Albuquerque, NM, 20-24 May 2012 [Presented by Coonrod].

Scherff EJ, Acuna V, Dahm CN, Coonrod JA. River restoration design to increase aquatic habitat on the Upper Gila River. New Mexico Water Research Symposium 2009, 11 August 2009, Socorro, NM [Poster].

Scherff EJ, Acuna V, Dahm CN, Coonrod JA. Channel restoration to increase aquatic habitat on the Upper Gila River. Second Natural History of the Gila Symposium, 16-17 October 2008, Silver City, NM.

Scherff EJ, Acuna V, Dahm CN, Coonrod JA. River restoration design to increase aquatic habitat on the Upper Gila River. University of New Mexico Student Water Symposium, March 2008, Albuquerque, NM [Poster].