

## General Qualifications

Dr. Krejca has extensive experience with the identification and regulation of endangered species and habitat in Texas. She is a specialist in the biology of subterranean species including karst invertebrates, bats, and *Eurycea* salamanders. Additionally she has extensive experience with freshwater mussel species. She has been responsible for the design, implementation, and management of time sensitive environmental projects dealing with karst and aquatic issues in Bexar, Travis, Williamson, and Hays counties in central Texas. Dr. Krejca's project experience also includes leading biological inventories, rare and endangered species surveys, and developing customized biological studies. She has conducted karst feature surveys on 5000 acres in central Texas since 2000. She has received numerous federal and state grants for cutting edge research, and her research has been published in peer-reviewed journals.

## Experience

**Camp Bullis Karst Management, San Antonio, Bexar County, Texas.** *Department of Defense.* Project Manager. Responsibilities include oversight, project design, and execution. Zara has an ongoing contract to monitor endangered species, evaluate karst habitat and caves, and evaluate the hydrogeology of Camp Bullis. This includes managing over 70 caves, more than 20 of which are known endangered species habitat, as well as identifying population trends, threats, newly found caves, or additional cave habitat.

**Texas Department of Transportation, various locations in Texas.** *Texas Department of Transportation, Environmental Affairs Division.* Project Manager, Scientist. Responsibilities include project management oversight. Zara was awarded two 2-year contracts in 2009 and 2011 to perform biological services in Texas. These services include: conducting surveys and habitat assessments for protected mussel and karst invertebrate species, conducting biological analysis to support Section 7 consultation and preparation of ESA biological assessments or Section 10a permits, initiating coordination with state and federal resource agencies, and other biological services custom to specific infrastructure projects.

**Loop 1604 Environmental Impact Statement, San Antonio, Texas.** *Michael Baker Corporation.* Scientist. Responsibilities include performing surveys and documentation for Endangered Species (ES) compliance for a large roadway. Documentation includes drafting components of a Biological Assessment and the ES section of the Environmental Impact Statement. This ongoing contract is subject to extensive oversight and the work is performed at a litigation support level.

**Years with Zara: 8**

**Years with Other Firms: 13**

### Education

Ph.D., 2005, Ecology, Evolution and Behavior, University of Texas

B.S., 1995, Zoology, Southern Illinois University at Carbondale

### Certifications

USFWS endangered species permit TE028652-0

Diver: Advanced Open Water and Full Cave certified

CPR, cave rescue, and OSHA confined space training

### TxDOT Pre-Certifications

2.6.1 Protected Species Determination (Habitat)

2.6.2 Impact Evaluation Assessments

2.6.3 Biological Surveys

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**Southern Edwards Plateau Habitat Conservation Plan.** *Loomis Partners.* Project Manager, Scientist. Responsibilities include project management oversight of the team working on the regional take permit for listed karst species. Zara's role includes preparing sections of the HCP and EIS, particularly those relating to invertebrates and aquatic species, and attending meetings of the Biological Advisory Team and Citizens Advisory Committee.

**City of Austin Water Treatment Plant 4 (2006-2007), Austin, Texas.** *Carollo Engineers.* Project Manager, Scientist. Responsibilities included project management oversight. Zara examined caves and karst features on several proposed locations for COA Water Treatment Plant 4. This included determining if endangered species habitat existed, excavation if necessary for scientific studies, and searching for endangered karst species when likely habitat was found.

**Sequoia, King's Canyon, and Yosemite Cave Bio-Inventory (2004-2005), California.** *National Park Service, California Area.* Project Manager, Scientist. Responsibilities included project management oversight. Zara surveyed caves in several national parks in California, identifying, collecting, and preserving invertebrates. Over 27 species new to science were discovered in this project.

## Select Publications

Baird, A.B., **J.K. Krejca**, J.R. Reddell, C.E. Peden, M.J. Mahoney, and D.M. Hillis. 2006. Phylogeographic Structure and Color Pattern Variation among Populations of *Plethodon albagula* on the Edwards Plateau of Central Texas. *Copeia*. 4: 760-768.

Burr, B.M., G.L. Adams, **J. Krejca**, R.J. Paul and M.L. Warren, Jr. 2001. Cavernicolous sculpins of the *Cottus carolinae* Species Group in Perry County, Missouri: Distribution, External Morphology, and Conservation Status Review. *Environmental Biology of Fishes* 62: 279-296.

Hendrickson, D.A. and **J. K. Krejca**. 2000. Cavefish and subterranean freshwater biodiversity in northeastern Mexico and Texas. In: *Freshwater Ecoregions of North America: A Conservation Assessment*, edited by R. A. Abell, D. M. Olson, E. Dinerstein, P. T. Hurley, J. T. Diggs, W. Eichbaum, S. Walters, W. Wetengel, T. Allnutt, C. J. Loucks, and P. Hedao, Washington, D.C.: Island Press, p. 41-43.

Hendrickson, D.A., **J.K. Krejca** and J.M.R. Martinez. 2001. Mexican Blindcats, genus *Prietella* (Siluriformes: Ictaluridae): an overview of recent explorations. *Environmental Biology of Fishes* 62: 315-337.

Phillips, C.A., S.J. Taylor, J.M. Mui, **J.K. Krejca**, and M.L. Denight. 2004. Slimy Salamanders (Caudata: Plethodontidae) from karst features of South-Central Texas. *Southwestern Naturalist*. In prep.

Shear, W.A., and **J.K. Krejca**. 2007. Revalidation of the milliped genus *Amplaria* Chamberlin 1941 (Diplopoda, Chordeumatida, Striariidae), and description of two new species from caves in Sequoia and Kings Canyon National Parks, California. *Zootaxa* 1532: 23-39.

Taylor, S.J., **J.K. Krejca**, and M.L. Denight. 2005. Foraging range and habitat use of *Ceuthophilus secretus* (Orthoptera: Rhaphidophoridae), a key troglodene in central Texas cave communities. *American Midland Naturalist* 154:97-114.

## Select Presentations:

Krejca, J.K. (presenter) and J.R. Reddell. 2008. Karst species biodiversity. Karst Conservation Initiative meeting held by USFWS (6 February, Ladybird Johnson Wildflower Center, Austin, TX).

Krejca, J.K. 2001. Presentation: "How Much Surface Habitat is Enough? Preserve Design and Application for Cave-Limited Species." Talk at the National Cave and Karst Management Symposium, Tucson, AZ.