

Conditions of Arthropod Occurrence in Groundwater



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Areas of expertise: Environmental Geology
 Experimental Geochemistry

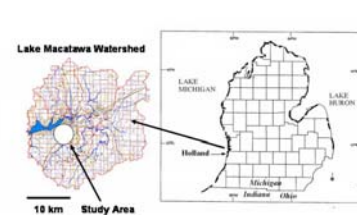
Current project:
 Physiochemical constraints on *Folsomia candida* occurrence in shallow aquifers

Education:
 Ph.D., Geology, University of Chicago, 1989
 A.B., Geology, Hope College, 1984

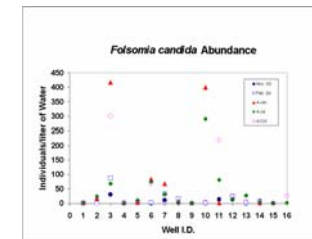
Experience:
 Hope College (1994-present)
 Amoco Oil Company (1992-1994)
 Amoco Production Company (1989-1992)

Key publications and presentations:

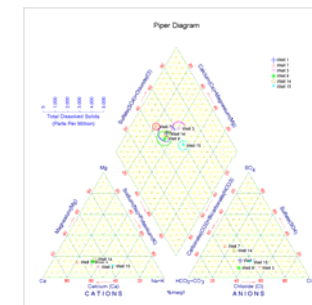
- Peterson, Jonathan W., Johnson, Eric M., Cencer, Jennifer L., and Thomason, Carrie J.; (2006), Physiochemical conditions of *Folsomia candida* occurrence in a shallow coastal Lake Michigan aquifer, *Environmental Geology* (In Press).
- Cencer, J.L., Johnson, E.M., Thomason, C.J., and Peterson, J.W., (2005), Physical Conditions of *Folsomia candida* occurrence in shallow groundwater. *Annual Meeting of the Geological Society of America*, Salt Lake City, UT, October 15-19, 2005.
- Peterson, Jonathan W. (2004), The Savvy Traveler: Learning Language & Customs of Interdisciplinary Research: Invited presentation in a CUR/GSA Special Session-Integrative Interdisciplinary Undergraduate Research in the Earth Sciences *Annual Meeting of the Geological Society of America*, Denver, Colorado, November 7-10, 2004.



Folsomia candida is a common shallow soil arthropod whose occurrence in groundwater is rare. Its sporadic occurrence in a shallow coastal Lake Michigan aquifer is currently being investigated.



Insect abundance and genetic variability are being examined in relation variability of physical and chemical attributes of the aquifer.



Groundwater fauna are presently understudied, but are an important interdisciplinary link to understanding hydrogeologic systems.