

Resume of Wendy Brown
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EDUCATION

- 1984 B.S. in Forest Resource Management with a Soils emphasis and a Geology Minor. Graduated with honors, University of Montana, Missoula, Montana.
- 1986-1987 One year of graduate school at Colorado State University in the Environmental Health program.


EMPLOYMENT


- 1990-2010 I have a small business named Bugs Unlimited, LLC. I am a biology consultant and field technician for a variety of part-time projects. Winters are spent counting and identifying aquatic insect samples and writing up results. Recent projects include:
- “Biomonitoring Coal Creek with aquatic macroinvertebrates”: Collecting and processing aquatic macroinvertebrate samples using the EPA’s Rapid Bioassessment Protocol; data analysis and report writing
 - “Installation of a long-term monitoring network at Mt Emmons Iron Fen, Crested Butte, CO” Collaborators: David Cooper from Colorado State University and Gay Austin of the United States Forest Service: Installation and downloading *InSitu* Level Troll 100 dataloggers in groundwater wells; data analysis and report writing.
 - “Riparian Assessment of Coal Creek”, collaborator: Kevin Alexander of Bioenvirons, LLC: Evaluating the health of the riparian zone; prioritized areas for restoration; report writing.
- 2003-2010 Research Technician with Dr. Barbara Peckarsky at the Rocky Mountain Biological Laboratory (RMBL) in Gothic, CO. Current grant funded by the National Science Foundation: “Variation in the strength of cascading trophic interactions across a Riverscape.” Designed and implemented field survey protocols and experiments in the field and artificial streams; processed fish, invertebrate and algae samples in the laboratory; analytical protocols (e.g., chlorophyll analysis, gut content analyses); supervised seasonal employees; managed the lab.
- 2004-2010 Principal Investigator: “Biodiversity of midges (Diptera: Chironomidae) and spiders (Araneae) at the Mexican Cut Nature Preserve and Upper Gunnison Basin”
- June 2004 Organized a Colorado Spider Survey spider biology class as part of my Master Gardener certification through the Colorado State University Extension Service. Taught by Dr. Paula Cushing of the Denver Museum of Nature and Science at the Fred Field Western Heritage Center in Gunnison, CO.
- 1999-2003 Data Manager, Website Design, and System Administration at the Rocky Mountain Biological Laboratory: Installed fiber optic network, maintained and backed up computers, www.rmbll.org webpage content and design, began long term data and metadata storage for RMBL.
- 1991-1998 Research Technician for Scott Wissinger at RMBL: “Mexican Cut Nature Preserve aquatic invertebrates with a focus on caddis”: Conducted fieldwork and experiments, managed the lab, trained students and processed aquatic insect samples.
- 1985-1990 Research Technician with J. David Allan at RMBL: “Drift of stream mayflies”; performed field and laboratory experiments on aquatic insects.


1983-1984 Research Technician with Leo Cummins at the University of Montana: "Soil compaction after skyline logging on three different soil types": Conducted field work at remote sites in Montana and Idaho; project supervisor.

PUBLICATIONS

Whiteman, H.H.; Wissinger, S.A., Brown, W.S. 1996 Growth and foraging consequences of facultative paedomorphosis in the tiger salamander, *Ambystoma tigrinum nebulosum*. *Evolutionary Ecology* 10, 433-446.


Wissinger, S.A., W.S. Brown, and J.E. Jannot. 2003. Caddisfly life histories along permanence gradients in high altitude wetlands in Colorado (U.S.A.). *Freshwater Biology* 48(2)  ([427 KB](#))

Wissinger, S.A., Bohonak, A. Whiteman, H. H. Brown, W.S. 1999 Subalpine Wetlands in Colorado. In: *Invertebrates in Freshwater Wetlands of North America: Ecology and Management*. (Eds: Batzer, D; Rader, R; Wissinger, S) John Wiley & Sons, 757-790.  ([3407 KB](#))

Wissinger, S.A., Sparks, G.B., Rouse, G.L., Brown, W.S., Steltzer, H. 1996 Intraguild predation and cannibalism among larvae of detritivorous caddisflies in subalpine wetlands. *Ecology* 77(8), 2421-2430. [Abstract](#)  ([1372 KB](#))

Wissinger, S.A., J. Steinmetz, J.S. Alexander and W.S. Brown. 2004. Larval cannibalism, time constraints, and adult fitness in caddisflies that inhabit temporary wetlands. *Oecologia* 138: 39-47.  ([198 KB](#))

Wissinger, S.A., Whiteman, H.H., Sparks, G.B., Rouse, G.L., Brown, W.S. 1999 Foraging trade-offs along a predator-permanence gradient in subalpine wetlands. *Ecology* 80(6) 2102-2116. [Abstract](#)

Wissinger, S.A., J. Whissel, C. Eldermire, and W. Brown. 2006 Predator defense along a permanence gradient: roles of case structure, behavior, and developmental phenology in caddisflies, *Oecologia*, Pages 1 - 12. [Abstract](#)  ([311 KB](#))