

PETER E. BARKMANN, CGP

PROFESSIONAL SUMMARY

Peter Barkmann grew up on an *Acequia* in the Rio Grande Valley of Northern New Mexico. Naturally, irrigating alfalfa fields in a geologic rift adjacent to the stunning Jemez caldera lead to a keen interest in both geology and water resources. His career ah followed this interest spanning minerals exploration; petroleum development and exploration, geothermal exploration; and water resources investigation. For the past 25 years he has focused mainly on groundwater resources and environmental geology. Peter joined the Colorado Geological Survey in 2002 where he conducts regional water-resource investigations, environmental assessments, and manages the Ground Water resources program. He has also been fortunate to contribute to the geologic mapping efforts of the STATEMAP 1:24,000 Geologic mapping program.

Peter is author of the recent Colorado Geological Survey publication *Cross-sections of the fresh-water strata of the Denver Basin* and co-author for the *Bedrock Geologic Map of the Denver Basin, Artificial Recharge of Ground Water in Colorado-A Statewide Assessment*, as well as the award winning *Ground Water Atlas of Colorado*. He served Colorado Ground-Water Association as Vice President-President-Past President from 2001 through 2003. Currently, he is spearheading efforts to revise the American Society of Civil Engineers and Environmental and Water Resources Institute (ASCE/EWRI) *Guidelines for Managed Aquifer Recharge*, formerly published as *Standard Guidelines for Artificial Recharge of Ground Water (34-01)*

PROFESSIONAL AFFILIATIONS

- ❖ American Institute of Professional Geologists
- ❖ Colorado Ground Water Association
- ❖ American Society of Civil Engineers/Environment and Water Resource Institute
- ❖ Geological Society of America

AWARDS

- ❖ GSA James Burwell Award
- ❖ GSA-AASG Frey Award
- ❖ AIPG-Colorado Section Service to Geology Award

PROFESSIONAL BACKGROUND

- ❖ Colorado Geological Survey, Denver, CO 2002 to present
- ❖ John C. Halepaska and Associates, Littleton, CO 1986 to 2002
- ❖ Texaco, Inc., Denver, CO 1982 to 1985
- ❖ Amax Exploration, Inc., Lakewood, CO 1976-1980
- ❖ Los Alamos National Laboratory, Los Alamos, NM 1978 to 1979
- ❖ Self Employed, Santa Fe, NM 1976
- ❖ Noranda Exploration, Anchorage, AK Summer 1975

EDUCATIONAL BACKGROUND

- ❖ University of Montana, Missoula, MT Master of Science 1984
- ❖ Western Washington University, Bellingham, WA Bachelor of Science 1976

PUBLICATIONS

Geologic Map of the Elbert Quadrangle, Elbert and El Paso County, Colorado, 2012, Morgan, Matt L., **Barkmann, P.E.**, and Keller, Stephen M., Colorado Geological Survey.

Geologic Map of the Eastonville Quadrangle, El Paso County, Colorado, 2012, Morgan, Matt L. and **Barkmann, P.E.**, Colorado Geological Survey.

Cross Sections of the Freshwater Bearing Strata of the Denver Basin between Greeley and Colorado Springs, Colorado, 2011, **Barkmann, P.E.**, Dechesne, M., Wickham, ME, Carlson, J, Formolo, S., Colorado Geological Survey.

Notes on the Denver Basin Geologic Maps: Bedrock Geology, Structure, and Isopach Maps of the Upper Cretaceous to Paleogene Strata in the Denver Basin between Greeley and Colorado Springs, Colorado, 2011, Dechesne, M., Reynolds, R.G., **Barkmann, P.E.**, and Johnson, K.R. Colorado Geological Survey and the Denver Museum of Nature & Science.

Geologic Map of the Palmer Lake Quadrangle, El Paso County, Colorado, 2007, Keller, J.W., Morgan, M. L., Thorson, J.P., Lindsay, N.R., **Barkmann, P.E.**, Colorado Geological Survey, Open File Report OF06-06.

Geologic Map of the Sedalia Quadrangle, Douglas County, Colorado, 2006, Morgan, Matt L., McHarge, J., **Barkmann, P.E.**, Colorado Geological Survey, Open File Report OF05-06.

Geologic Map of the Dawson Butte Quadrangle, Douglas County, Colorado, Morgan, Matt L., Temple, J., Grizzell, M, **Barkmann, P.E.**, 2004, Colorado Geological Survey, Open File Report OF04-07.

Artificial Recharge of Ground Water in Colorado- A Statewide Assessment, 2004, Topper, R., **Barkmann, P.E.**, Bird, D.A., Sares, M.A., Colorado Geological Survey, Environmental Geology 13.

Ground Water Atlas of Colorado, 2003, Topper, R, Spray, K.L., Bellis, W.H., Hamilton, J.L., and **Barkmann, P.E.**, Colorado Geological Survey, Special Publication 53.

Vertical Hydraulic Conductivity Measurements in the Denver Basin, Colorado, 2004, **Barkmann, P.E.**, The Mountain Geologist Vol. 41, No 4.

Results of Vertical Permeability Measurements from Core Samples and Multiple Aquifer Monitoring During Pumping Tests in the Vicinity of Parker, Colorado, 2002, **Barkmann, P.E.** and Edington, D. Troubled Waters Conference, Denver Colorado.

Active Tectonism in the Bitterroot Valley, Montana, 1982, Barkmann, P.E., Masters Thesis, University of Montana.