



## Association of Environmental and Engineering Geologists

# The Denver Basin Cross-section Project: A Dynamic Tool for Regional Ground Water Management

### MEETING DATE

THURSDAY  
SEPTEMBER 10<sup>TH</sup>,  
2009

### TIME

5:45 p.m. Social Hour  
6:30 p.m. Dinner  
7:30 p.m. Presentation

### LOCATION

Berthoud Hall,  
Colorado School of  
Mines  
1516 Illinois St.  
Golden, Co 80401  
Room 205  
See Map Below

### COST

\$25 Members  
\$27 Non-members  
Students, free first  
time then \$10

### RESERVATIONS

[meetings@aegrms.org](mailto:meetings@aegrms.org)  
OR  
[WWW.AEGRMS.ORG](http://WWW.AEGRMS.ORG)

BY NOON,  
TUESDAY  
SEPTEMBER 8<sup>TH</sup>

Peter E. Barkmann  
Colorado Geological Survey

The Colorado Geological Survey (CGS) has just completed a series of fifteen geologic cross-sections through the Denver hydrologic basin illustrating the diverse characteristics of the bedrock aquifers that supply water to a large area of the rapidly growing Front Range Urban Corridor. These cross-sections mimic fifteen cross-sections used by the Colorado Division of Water Resources in the 1980s to delineate the bedrock aquifers while developing the Denver Basin Rules that are used to allocate the ground water resource. Today's cross-section preparation utilizes modern computer based technology while incorporating the up-to-date geophysical log database. At the same time, this endeavor integrates recent surface geologic mapping by the CGS in a GIS environment to provide an in-depth three-dimensional view of this critical resource. Ultimately, this allows more robust analysis of the stratigraphic architecture of the sediments composing the bedrock aquifers and provides a dynamic tool for future water resource analyses. This publication will provide a powerful tool to the community for use in managing the critical ground-water resources of the Denver Basin.

## Hard Copy Newsletters – No More

After the November 2009 newsletter, newsletters will only be distributed via e-mail. If causes you considerable concern, please contact us at [newsletter@aegrms.org](mailto:newsletter@aegrms.org) or mail at:

AEG-RMS  
P.O. Box 280663  
Lakewood, CO 80228

## 2009–2010 Meeting Presentations

September 10	<b>AEG-RMS Section Meeting</b> <b>Speaker:</b> Peter Barkmann, Colorado Geological Survey <b>Topic:</b> Denver Basin Aquifer Cross Section Project	CSM Berthoud Hall
October 8	<b>AEG-RMS Section Meeting</b> <b>Speaker:</b> Robin Dornfest, CTL/Thompson <b>Topic:</b> Geotechnical Implications of Sugar Beet Spoils	CSM Berthoud Hall
November 12	<b>AEG-RMS Section Meeting</b> <b>Speaker:</b> Ty Ortiz and Jerry Higgins/Ryan Bartingale <b>Topic:</b> CDOT Rockfall Program Update and CRSP 5.0	CSM Berthoud Hall
December 10	<b>AEG-RMS Section Meeting</b> <b>Speaker:</b> TBD <b>Topic:</b> TBD	CSM Berthoud Hall
January 15 (FRIDAY!)	<b>AEG-RMS Section Meeting &amp; Meeting w/ Exec. Council</b> <b>Speaker:</b> AEG President Duane Kreuger <b>Topic:</b> Meeting with the AEG Executive Council	CSM Berthoud Hall
February 11	<b>AEG-RMS Section Meeting (TENTATIVE)</b> <b>Speaker:</b> Mike West , Michael W. West & Associates <b>Topic:</b> A 50-ft High, Basin & Range Fault Scarp!	CSM Berthoud Hall
March ____	<b>AEG-RMS Student Night</b>	CSM Berthoud Hall
April 8	<b>AEG-RMS Section Meeting</b> <b>Speaker:</b> TBD <b>Topic:</b> TBD	CSM Berthoud Hall
May 13	<b>AEG-RMS Section Meeting &amp; Family Night</b> <b>Speaker:</b> Vince Matthews, Colorado Geological Survey <b>Topic:</b> TBD	CSM Berthoud Hall

## Board of Directors

**Chairperson**

Sean Harvey  
[chair@aegrms.org](mailto:chair@aegrms.org)

**Chair-elect**

Adam Prochaska  
RJH Consultants, Inc.  
[chair-elect@aegrms.org](mailto:chair-elect@aegrms.org)

**Secretary**

Julia Frazier  
Michael W. West & Associates  
[secretary@aegrms.org](mailto:secretary@aegrms.org)

**Treasurer**

Jill Carlson  
Colorado Geological Survey  
[treasurer@aegrms.org](mailto:treasurer@aegrms.org)

**Membership**

David Cushman  
IEG  
[membership@aegrms.org](mailto:membership@aegrms.org)

**Newsletter**

Ed Friend  
RJH Consultants, Inc.  
Julia Frazier  
Michael W. West &  
Associates  
[newsletter@aegrms.org](mailto:newsletter@aegrms.org)

**Website**

Jill Carlson  
Colorado Geological Survey  
[webmaster@aegrms.org](mailto:webmaster@aegrms.org)

**Student Chair**

Tyler Benton  
[student-chair@aegrms.org](mailto:student-chair@aegrms.org)

**Past Chair**  
Steve Compton  
LT Environmental

## Officer Elections

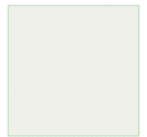
Attached with this newsletter is a ballot for officer elections. Please fill it out and bring it with you to the September 10, 2009 meeting or e-mail your selections to [newsletter@aegrms.org](mailto:newsletter@aegrms.org).



**Colorado School of Mines - Berthoud Hall**  
**1516 Illinois Street**  
**Golden, CO 80401**



RJH CONSULTANTS, INC.  
ATTN: ED FRIEND  
9800 Mt Pyramid court, Suite 330  
Englewood, CO 80112



**AEG ROCKY MOUNTAIN SECTION**  
**BALLOT FOR FALL 2009/SPRING 2010**  
**OFFICERS**

**E-mail to Edwin Friend, [newsletter@agrms.org](mailto:newsletter@agrms.org), by  
September 18, 2009, or bring to the AEG-RMS meeting on  
September 10.**

**CHAIR-ELECT:**

\_\_\_\_\_ Nate Soule

\_\_\_\_\_ (write in)

**TREASURER:**

\_\_\_\_\_ Jill Carlson

\_\_\_\_\_ (write in)

**SECRETARY:**

\_\_\_\_\_ Julia Frazier

\_\_\_\_\_ (write in)

**Adam Prochaska was elected Chair-elect last year and will be  
taking over as Chair for Fall 2009/Spring 2010.**