

Michael P. Solis

CURRICULUM VITAE

September 2009

OFFICE

Kentucky Geological Survey
228 Mining and Mineral Resources Bldg.
Lexington, KY 40506-0107
Phone: 859.323.0546; Fax: 859.257.1147; Email: msolis@uky.edu

Education

B.S. Geology, University Alabama, Birmingham, 1997

Professional Experience

02/2004 – Present Geologist, Kentucky Geological Survey. Subsurface mapping of potential CO₂ targets and seals from Precambrian to Pennsylvanian aged strata for various DOE CO₂ Sequestration partnerships.

10/2003 – 02/2004 Warehouse Picker, Amazon.com. Paid the bills.

01/2001 – 08/2003 Teaching and Research Assistant, University of Kentucky

08/1998 – 01/2001 Geologic Technician, Kentucky Geological Survey, Converted 7.5-minute geologic maps to digital format. Compiled 7.5-minute geologic maps to 1-degree sheets. Trained incoming employees in GIS methodology developed by KGS.

09/1997 – 07/1998 Survey Technician, Quest Engineering Inc. Collected data used by engineers. Setout roads, buildings, and monuments

01/1996 – 08/1997 Undergraduate Teaching Assistant, University of Alabama, Birmingham

Publications

Reports

Greb, S. F., Riley R. A., Solano-Acosta W., Gupta, N., **Solis M. P.**, Rupp, J. A., Anderson, W. H., Harris, D. C., Drahovzal, J.A., and Nuttall, B. C., *in press*, Cambro-Ordovician Knox carbonates as seal and potential targets for carbon sequestration in the eastern Midcontinent U.S.A: American Association of Petroleum Geologists Special Publication on Carbon Sequestration

Drahovzal, J. A., and **Solis, M. P.**, 2005, Structure and isopach maps of the Kentucky portion of the Midwest Geologic Sequestration Consortium study area, *in* Finley, Robert, ed. and P.I., An assessment of geologic carbon sequestration options in the Illinois Basin, Phase I Final Report: Illinois State Geological Survey, U.S. Department of Energy, Contract DE-FC26-03NT41994, p. 375-398.

Field Trip Guide Books

Ettensohn, F. R.; Johnson, W.; Stewart, A. K.; **Solis, M.**, and White, T., 2002, Middle and Upper Mississippian stratigraphy and depositional environments in east-central Kentucky; the new Bighill exposure, in Ettensohn F. L. and Smath, M. L., eds., Guidebook for geology field trips in Kentucky and adjacent areas: Lexington, KY, Southeastern and North-Central Sections, Geological Society of America, Field Trip Guidebook, p 14-34.

Pashin, J. C., Groshong, R. H. Jr, Cates, L. M., Tinkman, D. K., Carroll, R. E., Osborne, E. W., Thomas, W. A., Irvin, D. G., Bearce, D. N., and **Solis, M.**, 1997, Road log and stop descriptions, in Bearce, D. N., Pashin, J. C., Osborne, W. E. cmps., Geology of the Coosa Coalfield, Alabama Geological Society Annual Field Trip Guidebook, vol. 34; p: 51-79

Abstracts of Research Presented at Professional Meetings

Solis, M. P., and Greb, S. F., 2009, The Geology of Deep Saline Reservoirs and Their Confining Intervals in Kentucky for Regional Assessment of Carbon Storage: Eastern Section American Association of Petroleum Geologist, Evansville, IN, September 2009.

Greb, S. F. and **Solis, M. P.**, 2009, Geologic Cross Section beneath Kentucky's Major Rivers to Determine Potential Carbon Storage Options along Industrial Corridors: Eastern Section American Association of Petroleum Geologist, Evansville, IN, September 2009.

Solis, M. P. and Greb, S. F., 2008, Correlating deep Pennsylvanian strata in the Eastern Kentucky coal field for potential CBM and CO₂ storage: North-Central Section, Geological Society of America, Abstracts with Programs, vol. 40, no. 5, p. 14.

Parris, T., **Solis, M. P.**, Takacs, K. G., 2008, Effects of shallow coal and reclaimed mine land on monitoring, mitigation, and verification strategies: North-Central Section, Geological Society of America, Abstracts with Programs, vol. 40, no. 5, p. 83.

Solis, M. P., Greb, S. F., and Eble C. F., 2008, Analyses of the Grundy Formation (Lower Pennsylvanian) in Eastern Kentucky for Deep Coal, Potential CBM, and Carbon Storage: Geological Society of America, Abstracts with Programs, vol. 40, no. 6, p.492.

Greb, S.F., **Solis, M.P.**, Drahovzal, J.A., Harris, D.C., Anderson, W.A., Nuttall, B.C., Riley, R.A., Rupp, J.A., and Gupta, N., 2008, Looking for carbon storage in the Cambro-Ordovician Knox carbonates of the Eastern Midcontinent, U.S.A.: North-Central Section, Geological Society of America, Abstracts with Programs, vol. 40, no. 5, p. 82.

Solis, M. P., and Greb, S. F., 2007, Analyzing Deep Coal Resources of Eastern Kentucky for their Carbon Sequestration Potential: Eastern Section American Association of Petroleum Geologist, Abstract, unpaginated.

Solis, M.P., Drahovzal, J. A., Greb, S. F., and Hickman, J. B., 2005, Western Kentucky Precambrian Structure Map: Eastern Section American Association of Petroleum Geologist, Abstract, unpaginated.

Solis, M. P. and Thomas, W. A., 2003, Structural controls on Ordovician and Devonian stratigraphy; Appalachian Valley and Ridge Province near Piedmont Alabama: South-Central Section, Geological Society of America, Abstracts with Programs, vol. 35, no. 1, p. 57.

Solis, M. P. and Bearce, D. N., 1997, The Coosa Synclinorium near Cook Springs, Alabama: Southeastern Section Geological Society of America, Abstracts with Programs, vol. 29, no. 3, p. 70.