

## **REMOTE SENSING and SHALLOW (environmental/archaeology) GEOPHYSICS PUBLICATIONS**

### **PAPERS**

Gutierrez, M., Martinez-Pina, C., Luo, J., and Mickus, K., 2008, Geochemical processes contributing to the contamination of soil and surface waters in the Rio Conchos Basin, *Geosphere*, v. 4, p. 600-611.

Whitelaw, J., Mickus, K., Whitelaw, M., and Nave, J., 2007, High resolution gravity study of the Gray Fossil Site, Washington County, Tennessee, *Geophysics*, v. 73, p. 825-833.

Gurrola, H., Mickus, K., and Burrell, J., 2007, Frequency domain electromagnetic and ground penetrating radar investigation of ephemeral streams: case study near the Southern High Plains, Texas, *Environmental Geology*, v. 55, p. 1169-1179.

Johnson, A., and Mickus, K., 2006, Electrical resistivity and magnetic investigation of the Dorton Fort, Russell County, Virginia in, *Historical Sketches of Southwest Virginia*, Historical Society of Southwest Virginia Publication No. 40., p. 84.

Johnson A., and Mickus, K., 2006, Electrical resistivity and magnetic investigation of the Dorton Fort, Russell County, Virginia: Open File Report, Historical Society of Southwest Virginia, Wise, Virginia, 17 pp.

Mickus, K., 2004, The gravity method in engineering and environmental applications, In: *Geophysics 2003: Federal Highway Administration and Florida Department of Transportation special publication*, in press.

Gutierrez, M., Johnson, E. and Mickus, K., 2002, Watershed assessment along a segment of the Rio Conchos in northern Mexico using satellite images: *J. of Arid Environments*, v. 56, p. 395-412.

Mickus, K., 2000, Magnetic Method: In: *Geophysics 2000: Federal Highway Administration and Missouri Department of Transportation special publication*, paper 1-9.

Mickus, K., 2000, Gravity Method: In: *Geophysics 2000: Federal Highway Administration and Missouri Department of Transportation special publication*, paper 1-8.

Mickus, K., and Johnson, E., 2001, Mapping of sedimentary and volcanic units in Petrified Forest National Park, Arizona, using Landsat IV and SPOT pan. data: *Inter. J. Remote Sensing*, v. 22, p. 1919-1935.

Johnson, E., Klein, M., and Mickus, K.L., 1993, Analyzing the feasibility of thematic mapper images to monitor landfills in southwest Missouri: *Environmental Geology*, v. 22, p. 129-140.

### **ABSTRACTS**

Harrington, T., Gurrola, H., Oluwole, O., Asquith, W., and Mickus, K., 2010, Lineaments of southern high plains: Possible indicators of recent faulting, presented to GSA annual meeting, Denver.

Austin, E., Mickus, K., Pavlowsky, R., Martin, D., Owen, M., Lecce, S., and Womble, P., 2010, DC-resistivity and GPR studies along the floodplains of the Big River, Missouri for mining sediment studies, presented to North-Central/South Central GSA meeting, Branson, Mo

- Jeffries, S., Mickus, K., and Barnes, K., 2009, Electrical resistivity investigations of karst features near Springfield, Missouri, presented to south-central GSA meeting, Dallas.
- Looker, R., Mickus, K., and Gouzie, D., 2008, Ground penetrating radar and electrical resistivity survey near Breakdown cave, Christian County, MO, presented to GSA, Hot Springs, AR.
- Gutierrez, M., Mickus, K., and Luo, J., 2008, Use of geochemical sediment data to determine the source of contaminants in a river in northwestern Mexico, presented to GSA meeting, Hot Springs, AR.
- Whitelaw, J., Mickus, K., Whitelaw, M., and Nave, J., 2007, High resolution gravity study of the gray fossil site, Washington County, Tennessee: presented to GSA national meeting, Denver.
- Mickus, K. and Leslie, H., 2006. A detailed gravity survey for karst features near Louisville, Kentucky, presented at the 3rd Magrebin Colloquium on Applied Geophysics, Ouejda, Morocco.
- Eaton, M., and Mickus, K., 2006, Electrical resistivity investigation of the Delaware Village Site, southwest Missouri, presented to SE GSA meeting, Knoxville, TN.
- Johnson, A., and Mickus, K., 2006, Electrical resistivity and magnetic investigation of the Fort Dotson site, southwest Virginia, presented to SE GSA meeting, Knoxville, TN.
- Johnson, E., Gutierrez, M., and Mickus, K. 2001, Evaluation of pollution sources for a segment of the Rio Conchos in northern Mexico by use of Landsat TM, presented to ASPRS annual meeting, St. Louis.
- Johnson, E., and Mickus, K., 1998, Geologic mapping of Petrified Forest National Park using remote sensing, presented to Am. Assoc. Geographers national meeting, Boston.
- Johnson, E.J., and Mickus, K., 1998, Remote sensing investigation of Petrified Forest National Park, northeastern Arizona, GSA Prog. Abstr., v. 30, p.8.
- Wampler, M., and Mickus, K., 1998, Magnetic and VLF-EM study of the Roundtree historic site, Springfield, Missouri: GSA Program with Abstr. v. 30, p. 34.