

MARK S. KUZILA, Professor, Director - Conservation and Survey Division.
Areas of Interest: Soil Survey, Soil Genesis, Soil Geomorphology, Wetlands.
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EDUCATION

B.S. Agronomy - Soil Science, Kansas State University (1973)
M.S. Agronomy - Soil Genesis and Morphology, Kansas State University (1976)
Ph.D. Agronomy - Soil Genesis and Morphology, University of Nebraska (1988)

PROFESSIONAL EXPERIENCE

8/2007- pres Present Professor/Director, Conservation and Survey, SNR, UNL
2003-2007 Director, School of Natural Resources, UNL
1998-2003 Director, Conservation and Survey Division, UNL
1983-1998 Principle Soil Scientist, Conservation and Survey Division, UNL
1977-1983 Asst. Principle Soil Scientist, Conservation and Survey Division, UNL
1975-1977 Soil Scientist, Conservation and Survey Division, UNL

GRANTS FUNDED

Principal Investigator

USDA NRCS - Rapid Carbon Assessment Project, 5/2010 – 4-2012 Amount \$182,952

USDA NRCS – Prairie to Forest Ecosystem Project, 10/2010 – 9/2011 Amount \$20,000

USDA NRCS – Phosphorous Loading Potential of Soils in the U.S. 5/2012 – 5/2014 Amount \$100,000

Lower Platte South NRD – Eastern Nebraska Water Resources Assessment. 5/24/12 – 5/23/13 Amount \$95,100

Nebraska Department of Agriculture - Agrichemical Contaminant Database for Nebraska Groundwater. 10/2012 – 9/2013 Amount \$29,355

Nebraska Department of Environmental Quality - Agrichemical Contaminant Database for Nebraska Groundwater. 10/2012 – 9/2014 Amount \$66,337

Nebraska Department of Environmental Quality – Water Quality Assessment, 11/2013 – 8/2014 Amount \$744,000

Co- Principal Investigator

U.S. Geological Survey - STATEMAP Cooperative Geologic Mapping Program, 5/07 – 5/08 Amount \$39,037

U.S. Geological Survey - STATEMAP Cooperative Geologic Mapping Program, 5/08 – 5/09 Amount \$49,721

**U.S. Geological Survey - STATEMAP Cooperative Geologic Mapping Program, 5/09 – 5/10
Amount \$82,156**

**U.S. EPA - Use RUSLE2 to Assess Sedimentation and Water Quality Conditions in the
Rainwater Basin's Playa Wetlands, 10/2012- 12/2014. Amount \$100,000**

PROFESSIONAL ACTIVITIES

Registered Professional Geologist
Geological Society of America
Soil Science Society of America
Soil and Water Conservation Society
Nebraska Society of Professional Soil Scientists

PUBLICATIONS

Joeckel, R.M., Johnson, D., Howard, L. M., and Kuzila, M.S., 2013, Surficial Geology of the Gross Quadrangle, Nebraska Portion (STATEMAP).

[URL <http://snr.unl.edu/data/geologysoils/digitalgeologicamaps/digitalgeologicmaps.asp>]

Joeckel, R.M., Tucker, S.T., Howard, L. M., and Kuzila, M.S., 2013, Surficial Geology of the Naper Quadrangle, Nebraska Portion (STATEMAP).

[URL <http://snr.unl.edu/data/geologysoils/digitalgeologicamaps/digitalgeologicmaps.asp>]

Joeckel, R.M., Christenson, C.L., Tucker, S.T., Dillon, J.S., Howard, L. M., and Kuzila, M.S., 2012, Surficial Geology of the Verdel Quadrangle, Nebraska Portion (STATEMAP).

[URL <http://snr.unl.edu/data/geologysoils/digitalgeologicamaps/digitalgeologicmaps.asp>]

Irmak, S., Burgert, M. J., Yang, H.S., Cassman, K.G., Walters, D.T., Rathje, W.R., Payero, J.O., Grassini, P., Kuzila, M.S., Brunkhorst, K.J., Eisenhauer, D.E., Kranz, W.L., VanDeWalle, B., Rees, J.M., Zoubek, G.L., Shapiro, C.A., Teichmeier, G. J. 2012. Large-Scale On-Farm Implementation of Soil Moisture-Based Irrigation Management Strategies For Increasing Maize Water Productivity. Transactions of the ASABE, Vol. 55(3): 881-894

Joeckel, R.M., Dillon, J.S., Tusa, N.E., and Howard, L.M., 2011, Surficial Geology of the Marty 7.5 Minute Quadrangle, Nebraska Portion (STATEMAP).

[URL <http://snr.unl.edu/data/geologysoils/digitalgeologicamaps/digitalgeologicmaps.asp>]

Joeckel, R.M., Dillon, J.S., Hanson, P.R., Howard, L.M., Kuzila, M.S., 2010, The ridges of Boyd County: oriented landforms and late Quaternary eolian processes in north-central Nebraska, USA, Geological Society of America Abstracts with Programs 42, no. 5.

Dillon, J.D., Hanson, P.R., Young, A.R., Joeckel, R.M., Kuzila, M.S., 2010, Contemporaneous late Pleistocene loess deposition, eolian deflation, and eolian sand deposition south of the James Lobe, Northeastern Nebraska, USA, 21st Biennial Meeting of the American Quaternary Association, August 12-16.

Powell, L. A., A. J. Tyre, S. E. Hygnstrom, D. A. Wedin, P. R. Hanson, M. S. Kuzila, and J. B. Swinehart. 2009. Wilderness serendipity: planning and assessing learning during an experiential field course. NACTA Journal: September 56-61

Hanson, P.R., Dillon, J.S., Young, A.R., Joeckel, R.M., Kuzila, M.S., 2009, Late Pleistocene eolian deflation features south of the James River Lobe margin, northeastern Nebraska, USA. Abstracts with Programs, Geological Society of America, v. 41 (7), p. 620.

Dillon, J.S., Hanson, P.R., Joeckel, R.M., Young, A.R. and Kuzila, M.S. 2008 Surficial Geologic Map of the Wynot 7.5 Minute Quadrangle. (<http://snr.unl.edu/csd/information/statemap.asp>)

Joeckel, R.M., Hanson, P. R., Dillon, J. S., Korus, J. T. and Kuzila, M.S., 2008. Recent insights into Quaternary stratigraphy in southern Lancaster, County and environs. Geological Society of American Abstracts with programs, v. 40(5), p.21