

## **SUSAN OLAFSEN LACKEY**

### **EDUCATION**

OKLAHOMA STATE UNIVERSITY, Stillwater, Oklahoma: Practical Approaches to Groundwater Hydrology and Contamination, Summer 1990, 9 graduate credit hours, GPA 3.66  
SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY, Rapid City, South Dakota: B.S. Geological Engineering, May 1982, GPA 3.02 Graduate level courses: Remote Sensing, Groundwater, Well Logging  
EARTHWATCH, Peru: Huari and Chanca Expedition, July 1981  
OPENDOOR, Exchange Student: Lima, Peru, Summer 1976

### **PROFESSIONAL HISTORY**

1991 - Present HYDROGEOLOGIST; UN-L, Conservation and Survey Division, Norfolk, Nebraska  
1987 - 1991 PROJECT MANAGER/SCIENTIST; BCI Geogenetics, Inc., Laconia, New Hampshire  
1984 - 1987 CONSTRUCTION ENGINEER; Department of Transportation, Custer, South Dakota  
1982 - 1983 RADIATION TESTER; Batelle Northwest Laboratory, Edgemont, South Dakota  
Summer 1982 TEACHING ASSISTANT; Black Hills Field Station, Rapid City, South Dakota

### **GRANTS**

Papio-Missouri River NRD: Drilling Program: \$70,500, 2017-2020 Co-PI

Lewis & Clark NRD Monitoring Well Network: \$283,900, 2013-2018, PI

Lower Platte North NRD: Test Holes and Monitoring Wells: \$181,300, 2016-2020, Co-PI

Lower Elkhorn Hydrogeologic Studies: LE NRD, \$539,100, 1999-2018, PI

Upper Elkhorn Hydrogeologic Studies: UE NRD, \$203,350, 1999-2018, PI

### **ORGANIZATIONAL CITIZENSHIP**

**National:** National Groundwater Association, member 1988-Present  
**State:** Nebraska Water Well Standards and Contractors' Licensing Board, 2011-Present  
Nebraska Annular Seal Task Force, 2012-Present, Chair  
Nebraska Grout Task Force, 2001-2013  
Nebraska Licensed Professional Geologist, #0176, 1999-Present  
Nebraska Well Drillers Association, Chapter 12 Technical

Subcommittee, appointee 1998-present  
Nebraska Drilling/Pump Installation Contractors License,  
1997-Present, #39390

#### **SELECTED PUBLICATIONS**

Divine, D., Joeckel, R.M., Olafsen Lackey, S., 2017. Aquifers of Nebraska II: The Niobrara Aquifer. Lincoln: Conservation and Survey Division, University of Nebraska. pp. 32.

Hallum, Douglas and Susan Olafsen Lackey. 2017. Results of Test-Hole Drilling for Observation Well Planning in the Upper Loup Natural Resources District, Fall 2016. North Platte, NE: Conservation and Survey Division, University of Nebraska - Lincoln. PP. 33.

Young, A., Burbach, M., Howard, L., Waszgis, M., Joeckel, R., Olafsen Lackey, S. 2017. Nebraska Statewide Groundwater-Level Monitoring Report 2016. Lincoln: Conservation & Survey Division. pp.24

Divine, D.P., Joeckel, R.M., Olafsen Lackey, S., May 2016. Aquifers of Nebraska I: The Codell Aquifer in Northeastern Nebraska, Bulletin 7 (New Series).

Joeckel, R.M., Scofield, N.I., Howard, L.M., Olafsen Lackey, S., and Tucker, S.T., 2016. Surficial Geology of the Sparks 7.5 Minute Quadrangle, Nebraska Portion. (StateMap).

Joeckel, R.M., Korus, J.T., Hanson, P.R., Divine, D., and Olafsen Lackey, S., 2011, Integrated helicopter electromagnetic and borehole interpretation of aquifers in alluvial valleys and under dissected till plains, Nebraska. Geological Society of America *Abstracts with Programs* 43(5): 224.

Abraham, J.D., Bedrosian, P.A., Asch, T.H., Ball, L.B., Cannia, J.C., Phillips, J.D., and Lackey, Susan, 2011, Evaluation of geophysical techniques for the detection of paleochannels in the Oakland area of eastern Nebraska as part of the Eastern Nebraska Water Resource Assessment: U.S.G.S. Scientific Investigations Report 2011-5228, xx p.

Olafsen Lackey. S. and X.H. Chen, 2010. Streambed Hydrology Tests in the Lower Elkhorn River and Tributaries, Nebraska, 51 p.

Song, J.X., X. H. Chen, C. Cheng, D.M. Wang, S. Lackey, and Z. Xu, 2009. Feasibility of grain-size analysis methods for determination of vertical hydraulic conductivity. *Journal of Hydrology* 375 (3-4), 428-438, 10.1016/j.jhydrol.2009.06.043.

Olafsen-Lackey, S., Myers, W.F., Christopherson, T.C., Gottula, J.J., 2009, Nebraska Grout Task Force; In-Situ Study of Grout Materials 2001-2006 and 2007 Dye Testing: University of Nebraska-Lincoln, Institute of Agriculture and Natural Resources, School of Natural Resources, Conservation and Survey Division, Educational Circular EC-20. 31pp.