KATHERINE S. POUND, Geologist
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PROFESSIONAL PREPARATION:

Undergraduate:	Middlebury College	Geology	BA, 1981
Graduate:	University of Otago, Dunedin, New Zealand	Geology	PhD, 1993
Postdoctoral:	Monash University, Melbourne, Australia	Earth Science	1994-1996

APPOINTMENTS:

Earth Science Educator (Earth Science Teacher Education Program, MN LCCMR-funded	2021-current
Earth Science Educator for Nature- based Learning Teacher Retreats, MN LCCMR-funded	2021-current
Professor, Earth and Environmental Sciences, North Hennepin Community College, MN	2021-2022
Professor, (Geology) Atmospheric & Hydrologic Sciences, St. Cloud State University, MN	2003-2021
Adjunct Professor, Geology Department, University of St. Thomas, St. Paul, MN	2000-2002
Adjunct Faculty, Center for Global Env. Education, Hamline University, St. Paul, MN	2000
Geologic Editor, Minnesota Geological Survey, St. Paul, MN	1998-2000
Adjunct Professor, Fond-du-Lac Tribal & Comm. College, Minneapolis Campus, MN	1996/1997
Postdoctoral Research Fellow / Project Leader, ACRC, Monash University, Australia	1995-1996
Postdoctoral Research Fellow, ARC Postdoc. Fellowship, Monash University, Australia	1994-1995
Research Assistant, Mass Spectrometry Lab, University of Washington, WA	1990-1992

SELECTED PUBLICATIONS:

St. John, K., Leckie, R.., **Pound, K.,** Jones, M., and Krissek, L., 2012 & 2021, Reconstructing Earth's Climate History, Inquiry-based Exercises for Lab and Class, 485 p (2012, 1st Ed.) 542 p. (2021, 2nd Ed.), Wiley-Blackwell, ISBN 978-1-1182-3294-1 (2012); ISBN 978-1-119-54411-1 (2021)

Pound, K.S., and Heldberg, H., 2016, Modeling Cobble Transport in a Fluvial System for Provenance Studies: The Cement Mixer Experiment, Abstract EP31A-0925 presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 11-15 Dec. http://adsabs.harvard.edu/abs/2016AGUFMEP31A0925P

Pound, K.S., 2014, Architecture of a Coarse-Grained Upper Middle Cambrian Alluvial Delta Dominated by Braidplain and Gilbert-Style Delta Components. Abstract EP53A-3633, presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.

Pound, K.S., Norris, R.J., and Landis, C.A., 2014, *Eyre Creek mélange: An accretionary prism shear zone mélange in Caples Terrane rocks, Eyre Creek, northern Southland, New Zealand*. New Zealand Journal of Geology and Geophysics, Vol. 57, No. 1, p.1-20.

Pound, K., Campbell, K., Schmitt, L., 2011. *An examination of the bedrock geology and the Mississippi River Valley in the Twin Cities: Pedagogical strategies for introductory geology field trips*, in Miller, J.D., Hudak, G.J., Wittkop, C., and McLaughlin, P.I., eds., Archean to Anthropocene: Field Guides to the Geology of the Mid-Continent of North America: Geological Society of America Field Guide 24, p.505-523. Doi: 10.1130/2011.0024(25).

Pound, K.S., Krissek, L.A., Jones, M.H., Leckie, R.M., St. John, K., 2009, Transferring ANDRILL Research on Antarctic Cenozoic Climate Change into the Classroom: Teaching Exercises that build Student Skills and Content Knowledge, EOS Trans., AGU, 90 (52), Fall Meet. Suppl., Abstract PP43A-1553.

Pound, K.S., and Panter, K.S., 2008, Building on Decades of Research on the McMurdo Volcanic Group, Antarctica: A Geologic Field Guide to Observation Hill, *Eos Trans. AGU, 89*(53), Fall Meet. Suppl., Abstract V13C-2137

Pound, Kate S., 2005, *Rock and Mineral "BINGO": Applying and assessing student rock and mineral knowledge and identification skills* [abs], Geological Society of America North-Central Section 39th Annual Mtg., Abstracts with Programs Volume 37, No. 5

O'Dea, M.G., Lister, G.S., MacCready, T., Betts, P.G., Oliver, N.H.S., **Pound, K.S**., Huang, W. and Valenta, R.K., 1997, Geodynamic evolution of the Proterozoic Mount Isa terrain, *in* Burg, J.P., and Ford, M., eds., Orogeny through time: Geological Society [London] Special Publications, v. 121, p. 99–122.

Pound, K.S., Gray, D., & Cas, R., 1994, Provenance, sedimentologic and stratigraphic relationships of Ordovician Sandstones of the Bendigo-Ballarat Zone, Victoria: Implications for the Tectonosedimentary Evolution of the Lachlan Fold Belt [abs.]: Australian Geological Congress Abstracts, no. 37, p. 353.

Pound, K.S., 1986, Correlation of Rock Units for the Solomon Islands region, southwest pacific, *in* Vedder, J.G., **Pound, K.S.**, and Boundy, S.Q., eds., Geology and Offshore resources of Pacific Island Arcs—Solomon Islands Region: Circum-Pacific Council for Energy and Mineral Resources, Earth Science Series, Vol. 4, Tulsa, Oaklahoma, American Association of Petroleum Geologists, p. 89–97.

Pound, K.S. 1993. North-West Nelson—Basement Geology, Field Trip Guide, New Zealand Geological Society Conference, December 1993, *in* Conference Field Trip Guide: Geological Society of New Zealand Miscellaneous Publications 79B, p. 85–136.

SYNERGISTIC ACTIVITIES:

(i) President Minnesota Groundwater Association (MGWA) 2019; built student mentorship program. Chair MGWA DEI Committee 2020-2023 – led DEI initiatives with local partners (Freshwater, Consulting)

(ii) Facilitator, Faculty Learning Community on 'Backward Design' at St. Cloud State University (2013-2020)

(iii) CCLI (Course, Curriculum & Laboratory Improvement) Grant # 0737335 'Teaching Anchor Concepts of Climate Change Through Sediment Core Archives.' (2008-2010). Teaching materials developed during this grant now form a book (two published Editions, 2012 and 2021).

(iv) On-ice participant in NSF polar programs-sponsored ANDRILL (Antarctic Geological Drilling Project) ARISE (ANDRILL Research Immersion for Science Educators) for Southern McMurdo Sound project; Season 2007/8.

(v) Lead Instructor for **TIMES** (**T**eaching **I**nquiry-based **M**innesota **E**arth **S**cience) Project, Science Museum of Minnesota & Hamline University (2002 - 2016). Developed and taught a two-week, hands-on, field-based, summer course for middle- and high-school earth science teachers.. Funded by Eisenhower funds (2002), and MN NCLB (2003-2016).

(vi) Co-organizer and co-leader for National Association of Geoscience Teachers (NAGT)-sponsored **'Hands-on, Inquiry-based Classroom and Lab Assignments – Bringing Geoscience Research to K-12 and Undergraduate Students'** Teacher Workshops, Co-convener and co-chair for associated Conference Sessions, and associated 'Hands-on Galleries' at AGU Fall meeting (2005, 2006), and regional North-Central GSA Meeting (2005)Annual Fall Meeting of the American Geophysical Union, San Francisco, December 15 2005.

(vii) Co-Presenter at National NSTA meeting, Anaheim, CA (2006) "Using Inquiry to teach igneous rock nomenclature and classification" (with Mr. L. Schmitt) and "Teaching Inquiry-based Earth Science Using Student-generated Field Investigations

COLLABORATIONS & OTHER AFFILIATIONS

Collaborators

Dr. Terry Boerboom (Minnesota Geological Survey); Dr. Tom Hickson (Geology, University of St. Thomas, St. Paul, Minnesota); Dr. Carrie Jennings-Patterson (Minnesota Geological Survey); Dr. Larry Krissek (The Ohio State University); Dr. R. Mark Leckie (University of Massachusetts); Dr. Cathy Manduca (SERC, Carleton College, Minnesota); Dr. Jim Miller (Minnesota Geological Survey); Ms. Leslie Peart (JOI, Washington, DC); Mr. Lee Schmitt (Hamline University, St. Paul, Minnesota); Dr. Kristin St. John (James Madison University).

Graduate Advisors

Dr. Richard Norris, Geology, Otago University, Dunedin; *Dr. Chuck Landis*, Geology, Otago University, Dunedin; *Dr. Roger Cooper*, Institute of Geological & Nuclear Sciences, New Zealand

Postdoctoral Sponsors

Dr. David Gray, Professorial Fellow, Melbourne University, Australia; *Dr. Ray Cas*, Professor, Monash University, Australia; *Dr. Gordon Lister*, Professor, Australian National University, Australia

Grants

Winner of SCSU Hellervik Prize for Research: 'Stream Transport of Boulders …' (2015/2016)

Recipient of SCSU Miller Scholar Award 'The Poetry of Place: Pedagogy & Anthology' (2016)

Co-awardee of NSF CCLI (Course, Curriculum & Laboratory Improvement) Grant # 0737335 'Teaching Anchor Concepts of Climate Change Through Sediment Core Archives.' (2008-2010).