KATHERINE S. POUND, Earth Science Educator, 231 Vernon St., St. Paul, MN 55105
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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:

2022-current	Earth Science Educator (ESTEP -Earth Science Teacher Education Program; also Nature-based learning teacher retreats (both are Minnesota LCCMR-funded)
2021-2022	Professor, Earth & Environmental Sciences, North Hennepin Community College, MN
2003-2021	Professor, Atmospheric & Hydrologic Sciences, St. Cloud State University, MN
2012-present	Adjunct Faculty, St. Catherine University, St. Paul, MN
2000-2002	Adjunct Faculty, Geology Department, University of St. Thomas, St. Paul, MN
2000 - present	Adjunct Faculty, Center for Global Env. Education, Hamline University, St. Paul, MN
1998-2000	Geologic Editor, Minnesota Geological Survey, St. Paul, MN
1997	Staff Geologist, Minnesota Children's Museum (for Ms. Frizzle inside the Earth Exhibit)
1996/1997	Adjunct Professor, Fond-du-Lac Tribal & Comm. College, Minneapolis Campus, MN
1994-1996	Postdoctoral Research Fellow / Project Leader, Monash University, Australia
1990-1992	Research Assistant, Mass Spectrometry Lab, University of Washington, WA

SELECTED PUBLICATIONS:

Pound, K, 2022, Relative Age: Painted, Cut, Screwed, Glued, and Taped Wooden Blocks, and Data show that ALL students do better when Introductory Geology Course is adapted to actively and equitably include visually impaired students, and Demystifying Walther's Law: Large Pickleball Models and Tabletop Challenges to Stratigraphic Column Interpretation, Earth Educator Rendezvous 2022

Kristen St. John, R. Mark Leckie, **Kate Pound**, Megan Jones, and Lawrence Krissek, 2012, Reconstructing Earth's Climate History: Inquiry-based Exercises for Lab and Class. Wiley-Blackwell, 528p.

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., Campbell, K., and Schmitt, L., 2011, An examination of the bedrock geology and the Mississippi River valley in the Twin Cities: Pedagogical strategies for introductory 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, Jennings, Carrie E., Morin, Paul, 2006, *From Map Texture Observations to Geologic Interpretations: The Quaternary Glacio-Fluvial History of the Upper Midwest Using Anaglyph Stereo Maps* [abs.]: EOS Trans. AGU, Vol. 87, Fall Meeting Suppl., Abstract ED 53A-0849.

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.

Pound, K.S., Norris, R.J., and Landis, C.A., 2013 , 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, New Zealand Journal of Geology and Geophysics (2013): DOI:10.1080/00288306.2013.837395

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., 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) Built Student mentoring program at Minnesota Groundwater Association (MGWA) while on MGWA Board; Chaired MGWA DEI Committee and implemented MGWA DEI initiatives.

(ii) Facilitator for St. Cloud State University Faculty Learning Community 'UbD – Backward Design', an inter-disciplinary group that includes a local middle-school earth science teacher. Learning about and implementing UbD/Backward Design in our courses.

(iii) Co-PI on NSF CCLI (Course, Curriculum & Laboratory Improvement) Grant # 0737335 'Teaching Anchor Concepts of Climate Change Through Sediment Core Archives.' (2008-2010). Teaching materials now form a textbook (pub. 2012 & 2021). Development of Antarctica-related chapters was outcome of on-ice participation in NSF polar programs-sponsored ANDRILL (Antarctic Geological Drilling Project), Season 2007/8. Co-led Workshops on "Reconstructing Earth's Climate History: Inquiry-based Exercises for Lab and Class" at AGU (2011) and GSA (2009, 2010, 2011).

(iv) Lead Instructor for **TIMES** (**T**eaching **I**nquiry-based **M**innesota **E**arth **S**cience) Project, Science Museum of Minnesota & Hamline University (2002-2019). 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 (2003-2019).

(v) 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 meetings (2005, 2006), and regional North-Central GSA Meeting (2005).

COLLABORATIONS & OTHER AFFILIATIONS

Selected Collaborators - Dr. Terry Boerboom (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); Ms. Dana Smith (Minnesota Science Teachers Association)

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 - *Drs. David Gray* & *Ray Cas*:, *Dr. Gordon Lister* Monash University, Australia

Thesis Advisor & Postgraduate-Scholar Sponsor - Advisor for 4 Masters theses (Biology, Archeology); Primary Advisor/ Supervisor for > 60 Undergraduate Geology Senior Research projects