**CURRICULUM VITAE**

Anita L. Moore-Nall, PhD.

Department of Earth Sciences, Montana State University

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**education**

Montana State University, Bozeman, MT Earth Sciences, Geology option, PhD, 2017

Montana State University, Bozeman, MT Earth Sciences, Geology option, BA, 1984

Montana State University, Bozeman, MT Film and Television, Photography option, BA, 1984

**ACADEMIC/PROFESSIONAL APPOINTMENTS**

Montana State University, Research Assistant, 2011-2013, 2015-2016

Native Science Fellowships with HOPA Mountain organization, 2016, 2015, 2012

Sloan Scholar, Alfred P. Sloan Foundation’s Indigenous Graduate Partnership (SIGP) Program, awarded 2012

Montana State University, Teaching Assistant, 2010, 2012

Big Sky Science Partnership, Math and Science Resource Center, Montana State University. Taught earth sciences to teachers on the Crow and Northern Cheyenne Reservations, 2010

Project geologist, World Industrial Minerals (WIM), Uranium, 2007-2010

Consulting geologist, WIM and MLS, Tellurium exploration in US and Mexico, 2006-2007

Consulting geologist, Eurasian Minerals, Gold exploration in Romania, 2007

Gallatin National Forest, Bozeman, Montana, Seasonal job, Surveyor, GIS work, 1991-1995

Mineral Hill Mine, Jardine, Montana, Engineering Technician, 1989-1991

USGS, Branch of Exploration Geochemistry, Denver, CO, Physical Science technician, 1985

USGS, Denver, CO, Geological field assistant with NAGT program, 1984

Atlantic Richfield Company, Lafayette, Louisiana, junior geologist, 1982, 1983

**SELECT PUBLICATIONS**

Moore-Nall, A.L., 2016, Structural controls and chemical characterization of brecciation and uranium vanadium mineralization in the northern Bighorn Basin, PhD dissertation, 363 p. <http://scholarworks.montana.edu/xmlui/handle/1/12514>

Moore-Nall, A., 2015, The Legacy of Uranium Development on or Near Indian Reservations and Health Implications Rekindling Public Awareness: Geosciences, v. 5, p. 15-29; doi: [10.3390/geosciences5010015](http://dx.doi.org/10.3390/geosciences5010015) Open access Review article

Eggers, M.J., Moore-Nall, A.L., Doyle, J.T., Lefthand, M.J., Young, S.L., Bends, A.L., Committee, C.E.H.S., Camper, A.K., 2015, Potential Health Risks from Uranium in Home Well Water: An Investigation by the Apsaalooke (Crow) Tribal Research Group: Geosciences, v. 5, p. 67-94; doi:[10.3390/geosciences5010045](http://dx.doi.org/10.3390/geosciences5010045) Open access Article

Moore-Nall, A. and Lageson, D.R., 2015, Elevated REE in Ore Minerals of the Pryor Mountain Mining District, South Central Montana: MBMG Open-File Report 669, p. 56-58. <http://www.mbmg.mtech.edu/pdf-open-files/mbmg669_2015Symposium.pdf>

**SELECT ABSTRACTS FOR CONFERENCES**

Moore-Nall, A.L. and Lageson, D.R., 2016, Uranium vanadium mineralization in Mississippian aged paleokarst, Northern Bighorn Basin, Montana and Wyoming, indicates a hydrothermal Permian Phosphoria Formation source of metals including REE and Tl: Geological Society of America Abstracts with Programs, v. 48, no. 7.

Moore-Nall, A.L., Eggers, M. J., Doyle, J., Felicia, D., Lageson, D. R. and Camper, A.K., 2014, Lower Health Status on Indian Reservations, An Epidemic in North America, May Be Related to Geologic and or Geographic Location of Natural Resources: Geological Society of America Abstracts with Programs, v. 46, no. 5, p.74.

Moore-Nall, A. L. and Lageson, D. R., 2013, Lower Health Status on Indian Reservations a Geologic or Geographic Correlation Associated With Natural Resources? Conference of the International Medical Geology Association, Geological Society of America, Paper no. 25-5.

Moore-Nall, A.L. and Lageson, D.R., 2013, Francevillite [(Ba,Pb)(UO2)2(V2O8)•5H2O] identified in the Uranium Vanadium deposits in the Pryor Mountain Mining District, Montana and the Little Mountain Mining District, Wyoming may provide a link to the elevated lead in the Bighorn River and be related to fluid migration of the Lower Kane Cave, Wyoming: Geological Society of America Abstracts with Programs, v. 45, no. 7, p. 198.

Moore-Nall, A.L. and Lageson, D.R., 2012, Isotopic Evidence from Late-Stage Calcite and Brecciated Host Rocks from Abandoned Uranium Vanadium Deposits in Montana and Wyoming Suggests a Possible Hydrothermal Source: Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) annual conference presentation, Seattle, Washington.

**SYNERGISTIC ACTIVITIES**

BioRegions International, participated as elder Native American trip leader for a month long research expedition to the Darhad Valley, Mongolia, June-July 2017.

Salish Kootenai College, participated in a planning meeting with graduate indigenous students and participating partners to design an initiative to launch “Sowing Synergy” a new graduate program to integrate Indigenous and Scientific Knowledge for Sustainability implemented by Robin Kimmerer at SUNY College of Environmental Science and Forestry, Syracuse, NY, July 2016.

Montana State University, Montana Science Olympiad, event captain: GeoLogic Mapping high school section (2015); Dynamic Planet middle school section (2012, 2011).

Bozeman Public Library, was one of three speakers for World Human Rights Day event sponsored by HOPA Mountain organization, December, 2014.

Montana State University, Big Sky Math and Science Institute, worked with middle school and high school students from the Crow and Northern Cheyenne Reservations, 2014.

Helped recruit Native American students for NSF International experience for students grant to work in China studying dinosaur eggs; accompanied group as a Teaching assistant to China, 2012.