

CURRICULUM VITAE

Anita L. Moore-Nall, PhD.
almoorenall@alaska.edu

EDUCATION

Ph.D. Department of Earth Sciences, Geology option, Montana State University, 2017.

Advisor: David R. Lageson

Dissertation title: *Structural controls and chemical characterization of brecciation and uranium vanadium mineralization in the northern Bighorn Basin*

B.S. Earth Sciences, Geology option, Montana State University, Bozeman, MT, 1984

B.S. Film and Television, Photography option, Montana State University, Bozeman, MT, 1984

ACADEMIC/PROFESSIONAL APPOINTMENTS

University of Alaska Anchorage, Multi-Cultural Post-Doctoral Fellow, Division of Population Health Sciences, 2018-present

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

Eggers, M.J., Doyle J.T., Lefthand, M.J., Young, S.L., Moore-Nall A.L., Kindness L., Other Medicine, R., Ford, T.E., Dietrich, E., Parker, A.E., Hoover, J.H. and Camper, A.K., 2018, Community Engaged Cumulative Risk Assessment of Exposure to Inorganic Well Water Contaminants, Crow Reservation, Montana: International Journal of Environmental Research and Public Health, v. 15, no. 1, article no. 76.

Moore-Nall, A.L. and Tsosie, R.L., 2017, Possible Involvement of Permian Phosphoria Formation Oil as a Source of REE and Other Metals Associated with Complex U-V Mineralization in the Northern Bighorn Basin? Minerals, v. 7, no. 12, article no. 232

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.

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 Apsáalooke (Crow) Tribal Research Group: Geosciences, v. 5, p. 67-94.

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.

SELECT ABSTRACTS FOR CONFERENCES

Moore-Nall, A.L. and Schwarzburg, L.L., 2019, A Legacy of Contaminated Sites and Possible Links to Health and Lifestyles in Alaska Native Communities: One Arctic One Health Conference, Oulu, Finland, February 7-9 proceedings <https://www oulu.fi/thule/onehealth>

Moore-Nall, A.L. and Schwarzburg, L.L., 2018, A look into contamination sites and potential health effects in Alaska: Alaska Tribal Conference on Environmental Management, Contamination Support Session, Oral presentation, Anchorage, Alaska, November 29.

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.

Eggers, M.J., Moore-Nall, A.L., Doyle, J., Felicia, D., Lageson, D. R. and Camper, A.K., 2013, Crow Water Quality Project, A Community Based Participatory Approach Finds Elevated Uranium in Wells on the Crow Indian Reservation, Big Horn County, Montana: Conference of the International Medical Geology Association, Geological Society of America, Paper no. 1.

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

University of Alaska Anchorage, Faculty Senate Diversity Committee, served on this committee for 2018-2019.

Alaska Rural Provider's Conference, volunteered for the conference as a moderator for speakers Alaska Indigenous Research Program, Completed Research Ethics Course, May 2019.

Anchorage Arctic Research Summit, presented and served on a panel for Transforming Research & Scholarship on Arctic Environmental Security as part of North x North 2019 at the Anchorage Museum, May, 2019.

University of Alaska Anchorage, Spring Diversity Dialogue, one of three presenters. Presented on Issues Related to Water Affecting Indigenous Peoples of North America, April, 2019.

One Health Alaska meeting, University of Alaska Fairbanks, worked with people from across the University of Alaska system, state and federal agency representatives, and tribal and rural community leaders to identify and prioritize issues and build working groups to develop teams to study, understand and manage those issues.

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.