

Christopher M. Nicholson

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Center for Digital Antiquity
School of Human Evolution and Social Change
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EDUCATION

- 2017 Ph.D., Department of Anthropology, University of Wyoming
Dissertation Title: *The Climatology of Place: The role of paleoclimates on hominin landscape-level behaviors*
- 2005 M.A., Department of Anthropology, Washington State University
Thesis Title: *Small-Game Utilization among the Aché of Eastern Paraguay: A Study of Taphonomy in Ethnoarchaeology*
- 1999 B.A., Department of Anthropology, Colorado State University
Minor Certificate, Native American Studies

PROFESSIONAL EXPERIENCE

- 10/2019 – Present **Executive Director and Associate Research Professor**, Center for Digital Antiquity, School of Human Evolution and Social Change, Arizona State University, Tempe, AZ.
- 2017 – Present **Adjunct Assistant Professor**, Department of Anthropology, University of Wyoming, Laramie, WY.
- 2011 – 2019 **Director**, Water Resources Data System & Wyoming State Climate Office, Dept. of Civil and Architectural Engineering, University of Wyoming, Laramie, WY.
- 2015 **Academic Professional Lecturer**, Department of Anthropology, University of Wyoming, Laramie, WY.
- 2007 – 2011 **Assistant Research Scientist**, Water Resources Data System & Wyoming State Climate Office, Dept. of Civil and Architectural Engineering, University of Wyoming, Laramie, WY.

PUBLICATIONS

PEER-REVIEWED PUBLICATIONS:

1. Arakawa, F. and **C. Nicholson**. 2020. Identifying New Quarries as a Method for Expanding Research: A GIS Case Study from the Mesa Verde Region in the American Southwest. *Journal of Archaeological Science: Reports*. 102470.
2. Slimak, L., and **C. Nicholson**, 2020. Cannibals in the Forest: A comment on Defleur and Desclaux (2019). *Journal of Archaeological Science*. 117: 105034.
3. Sharma, V., **C. Nicholson**, A. Bergantino, S. Irmak, and D. Peck, 2020. Temporal Trends Analysis of Meteorological Variables and Reference Evapotranspiration in the Inter-Mountain West Region of Wyoming. *Water*.12(8):2159.
4. **Nicholson**, C., T. Minckley and J.J. Shinker, 2019. Validating CCSM3 Paleoclimate Data using Pollen-Based Reconstruction in the Intermountain West. *Quaternary Science Reviews*. 222:1-8. doi:10.1080/14614103.2019.1654651
5. **Nicholson**, C. 2019. Shifts Along a Spectrum: a longitudinal study of the western Eurasian hominin fundamental climate niche. *Environmental Archaeology: Journal of Human Palaeoecology*. 1461-4103:1-16.
6. Robinson, E., **C. Nicholson**, and R. Kelly, 2019. The Importance to Spatial Data to National Archaeological Databases. *Advances in Archaeological Practice*. 1-14. doi:10.1017/aap.2019.29.
7. **Nicholson**, C., J.J. Shinker, V.M. Hanway, and S. Zavala, 2018. The Influence of Atmospheric Circulation on Abnormal Snowpack Melt-Out Events and Drought in Wyoming. *Journal of American Water Resources Association*. 1-17. <https://doi.org/10.1111/1752-1688.12697>.
8. **Nicholson**, C. 2017. Eemian paleoclimate zones and Neanderthal landscape-use: a GIS model of settlement patterning during the last interglacial. *Quaternary International*. 438:144-157.
9. Egeland, C., B. Gasparian, C. Fadem, S. Nahapetyan, D. Arakelyan, D., and **C. Nicholson**. 2016. Bagratashen 1, a stratified open-air Middle Paleolithic site in the Debed river valley of northeastern Armenia: a preliminary report. *Archaeological Research in Asia*. 8:1-20
10. Egeland, C., B. Gasparian, D. Arakelyan, **C. Nicholson**, A. Petrosyan, R. Ghukasyan, R. and R. Byerly. 2014. Result of Reconnaissance Survey for Paleolithic Sites in the Debed River Valley (Lori Depression, Northern Armenia). *Journal of Field Archaeology*. 39:370-386.

11. Egeland, C., K. Welch, and **C. Nicholson**. 2014. Experimental Determinations of Cutmark Orientation and the Reconstruction of Prehistoric Butchery Behavior. *Journal of Archaeological Science*. 49: 126-133.
12. Arikawa, F., **C. Nicholson**, and J. Rasic. 2013. The Consequences of Social Processes: Aggregate Populations, Projectile Point Accumulations and Subsistence Patterns in the American Southwest. *American Antiquity*. 78:1
13. Tercek, M., S. Gray, and **C. Nicholson**. 2012. Climate Zone Delineation: Evaluating Approaches for Use in Natural Resource Management. *Environmental Management*. 49(5):1076-91.
14. Egeland, C., B. Gasparian, D. Arakelyan, R. Byerly, **C. Nicholson**, and D. Zardaryan. 2011. Multiperiod Archaeological Reconnaissance in the Debed River Valley, North-Eastern Armenia. *Antiquity*. 085: 329.
15. Egeland, C., **C. Nicholson**, and B. Gasparian. 2010. Using GIS and Ecological Variables to Identify High Potential Areas for Paleoanthropological Survey: An Example from Northern Armenia. *Journal of Ecological Anthropology*. 14: 1.
16. Arikawa, F. and **C. Nicholson**. 2009. Prehistoric Resource Procurement in the Central Mesa Verde Region: A Study of Human Mobility and Social Interactions Using GIS. *International Journal of Humanities and Arts Computing*. 3: 85-100.

BOOK CHAPTERS

1. Arikawa, F., **C. Nicholson**, and D. Harro. 2019. Diachronic Landscape Changes in Tool-stone Raw Material Distributions and Exchange Systems in the Northern Rio Grande. In Ortmon, S. (Ed.), *Re-Thinking the Rio Grande Pueblo Economics*. University of Arizona Press, Tucson, AZ.

NON-REVIEWED PUBLICATIONS & TECHNICAL REPORTS

1. Sharma, V., **C. Nicholson**, T. Bergantino, J. Cowley, B. Hess, and J. Tanaka, 2018. *University of Wyoming Agricultural Climate Network (WACNet). Wyoming Agricultural Experiment Station, 2018 Field Days Bulletin*. University of Wyoming, Laramie, WY.
2. Hansen, K., **C. Nicholson**, and G. Paige, 2015. *Wyoming's Water: Resources and Management*. University of Wyoming Extension Bulletin # B-1272. Laramie, WY.
3. **Nicholson, C.** 2014. Keeping Track of Wyoming's Water and Climate at the Water Resources Data System. *Wyoming Livestock Round-up*. Volume 26.

4. Bergantino, A. and **C. Nicholson**. 2013 Climate Technical Memorandum. *Snake/Salt River Basin Plan Update*. Prepared for the Wyoming Water Development Commission, Cheyenne, Wyoming.
5. **Nicholson, C.** 2013. Water Conservation Technical Memorandum. *Snake/Salt River Basin Plan Update*. Prepared for the Wyoming Water Development Commission, Cheyenne, Wyoming.
6. **Nicholson, C.**, C. Egeland, and B. Gasparian. 2012. Predicting Prehistoric Site Location in the Southern Caucasus. *ArcNews Magazine*. Winter 2011/2012.
7. Gray, S.T., **C. Nicholson**, and M. Ogden. 2010. *Greater Yellowstone Network: Climate of 2008*. Natural Resource Technical Report NPS/GRYN/NRR-2010/173. National Park Service, Fort Collins, Colorado.
8. **Nicholson, C.**, A. Bergantino, and S. Gray. 2009. Wyoming Shares Water Resources Data. *ArcNews Magazine*. Winter 2009/2010.
9. Arikawa, F. and **C. Nicholson**. 2008. Early Commuting: Exploring the Mobility of Prehistoric People. *ArcUser Magazine*, Summer Issue.
10. Wagers, S. and **C. Nicholson**. 2008. What are Archaeological Field Technicians Paid? *SAA Record*.
11. Gray, S., **C. Nicholson**, T. Dietrich, S. Larson. 2007. *Greater Yellowstone Network: Climate of 2007*. Natural Resource Technical Report NPS/GRYN/NRR-2009/076. National Park Service, Fort Collins, Colorado.
12. **Nicholson, C.**, and D.A. Harder. 2006. *Archaeological and Historical Survey Report, LM0509 Potlatch-Highway 95 Cellular Tower, Latah County, Idaho*. On file at Office of Archaeology and Historic Preservation, Boise, Idaho.
13. **Nicholson, C.**, and D.A. Harder. 2006. *Archaeological and Historical Survey Report, LM0508 Potlatch Cellular Tower, Latah County, Idaho*. On file at Office of Archaeology and Historic Preservation, Boise, Idaho.
14. **Nicholson, C.** 2005. *Official Latah County Rural Address Book*. Map Book on File at Latah County Courthouse, Moscow, Idaho.
15. Harder, D., and **C. Nicholson**. 2005. *Cultural Resource Survey for the Five Mile Prairie Cellular Tower, Location WA-986-01, Spokane County, Washington*. On file at Office of Archaeology and Historic Preservation, Olympia, Washington.
16. Harder, D., J. Creighton, and **C. Nicholson**. 2004. *Archaeological Survey of Penitentiary Grounds at Walla Walla, Washington*. On file at Washington State Department of Corrections, Walla Walla, Washington.

17. **Nicholson, C.** and J. Patterson. 2003. *Cultural Resource Inventory of RSA USA, Inc. Marlboro Film Location Near Cottonwood Creek San Juan County, Utah.* On file at the Bureau of Land Management, Moab Field Office. MOAC Report No. 03-92.
18. **Nicholson, C.** and K. Montgomery. 2003. *Cultural Resource Inventory of Westport Oil and Gas Company's Proposed Eight Well Locations on Glen Bench, Uintah County, Utah.* On file at the Bureau of Land Management, Price Field Office. MOAC Report No. 03-97.
19. **Nicholson, C.** and K. Montgomery. 2003. *Cultural Resource Inventory of Klabzula Oil and Gas Inc. Proposed Well Location, Carbon County, Utah.* On file at the State of Utah School and Institutional Trust Lands Administration and Division of Wildlife Resources, Salt Lake City. MOAC Report No. 03-98.
20. **Nicholson, C.** and K. Montgomery. 2003. *Cultural Resource Inventory of Westport Oil and Gas Company's Proposed Well Location, Access Routes, and Pipelines in Southman Canyon, Uintah County, Utah.* On file at the Bureau of Land Management, Vernal Field Office. MOAC Report No. 03-101.
21. **Nicholson, C.** and K. Montgomery. 2003. *Cultural Resource Survey of Trigon Sheehan's Winter Ridge/Wolf Point Six Mile Pipeline in Grand County, Utah.* On file at the Bureau of Land Management, Moab Field Office, MOAC Report No. 03-140.
22. **Nicholson, C.,** and Montgomery, K. 2003. *Cultural Resource Survey of Inland Resources Ashley Unit, T 9S, R 25E, Sec. 22, 23, and 25, Duchesne County, Utah.* On file at the Bureau of Land Management, Vernal Field Office, MOAC Report No. 03-59.
23. **Nicholson, C.,** and F. Arakawa. 2002. The History and Artifacts of the Henley Site. In *Stratigraphic and Geomorphic Context of the Henley Site, Whitman County, WA.,* edited by Huckleberry, G., K. Boula, and I. Buvit. Manuscript on file at Washington State University.
24. Donaldson, C. and **C. Nicholson.** 1999. *A Census of Human Remains and Summaries of American Indian Cultural Artifacts at the Fort Collins Museum.* Document on file at Department of the Interior, U.S. Government.

INVITED PRESENTATIONS & LECTURES

1. **Nicholson, C.** 2018. *Wyoming Needs More...Water (not cowboys): Managing Water Data for an Uncertain Tomorrow.* Presented at the University of Wyoming Geographic Information Science Day. Laramie, WY.
2. **Nicholson, C.** 2018. *Wyoming's Public Water System Surveys.* Presented at the Wyoming Water Development Commission Meeting. Gillette, WY.

3. **Nicholson, C.** 2018. *Better Late than Early: Abnormal Snowpack Melt-Out and Drought in Wyoming.* Presented at the Wyoming Association of Rural Water Systems, Spring Training Expo. Casper, WY.
4. **Nicholson, C.** 2018. *The Shape of Water Resources, Data, and Engineering in Wyoming.* Presented at the University of Wyoming College of Engineering, Spring Lecture Series. Laramie, WY.
5. **Nicholson, C.** 2017. *Laramie's Past, Present, and Future Climate: A Careful Look into the Modeled Crystal Ball.* Presented at the Laramie Local Food Group Summer Symposium. Laramie, WY.
6. **Nicholson, C.** 2016. *Wyoming State Climate Office Update.* Presented at the High Plains Regional Climate Center Regional Climate Services Workshop. University of Nebraska, Lincoln, NE.
7. **Nicholson, C.** 2015. *The Water and Climate Web Atlas.* Presented at University of Wyoming, WyGIS Geospatial Forum Series. Laramie, WY.
8. **Nicholson, C.** 2015. *2015 Climate Summary and the new Water and Climate Web Atlas.* Presented at the Wyoming Association of Rural Water Systems, Fall Training Expo. Lander, WY.
9. **Nicholson, C.** 2015. *Ode to Teacups.* Presented at the 2015 Wyoming International Map Day, University of Wyoming. Laramie, WY.
10. **Nicholson, C.** 2014. *What's New with Water and Climate in Wyoming?* Presented at the Wyoming Association of Rural Water Systems, Spring Training Expo. Casper, WY.
11. **Nicholson, C.** 2013. *Climate, Drought, and Online Water Resources.* Presented at the Wyoming Association of Rural Water Systems, Fall Training Expo. Laramie, WY.
12. **Nicholson, C.** 2012. Alumni Career Panelist. Colorado State University, Department of Anthropology, Fort Collins, CO.
13. **Nicholson, C.** 2012. Water Industry Panelist. 1st Annual CI-WATER EPSCoR Symposium. Water Industry Panelist. Salt Lake City, UT.
14. **Nicholson, C.** 2012. *Online Mapping Systems for Delivering Wyoming's Hydroclimatic Data.* Present at University of Wyoming, WyGIS Geospatial Forum Series. Laramie, WY.
15. **Nicholson, C.** 2012. *Living with Less? A Brief History of Climate and Precipitation in Laramie, WY.* Presented at University of Wyoming, Never Drink Downstream: Factual Tales and Artful Musings on Wyoming Water. Laramie, WY.

16. **Nicholson, C.** 2009. *Online Decision Making Tools for Wyoming's Water Stakeholders: Data Services and Groundwater Planning*. Presented at the Wyoming Geological Association. Casper, WY.

CONFERENCE PAPERS & POSTERS

1. **Nicholson, C.** and R. Fernandez, 2019. *The Digital Archive of Huhugam Archaeology (DAHA): An Update from The Center for Digital Antiquity*. Presented at the 2019 Arizona Archaeology Council Meeting, Tempe, AZ.
2. **Nicholson, C.**, 2019. *Are Data Disappearing? A Perspective on our Collective Commitment to Preserve and Make Accessible the Digital Archaeological Record*. Presented at the 2019 American Cultural Resources Association Conference, Spokane, WA.
3. **Nicholson, C.**, 2019. *Changes to the Western Eurasian Hominin Climate Niche*. Presented at the 2019 Society of American Archaeology Conference, Albuquerque, NM.
4. Hatch, R., and **C. Nicholson**, 2018. *From Drifts to Dams: Following Wyoming's Water Resources through Story Maps*. Presented at the 2018 GIS in the Rockies Conference, Denver, CO.
5. Hatch, R., and **C. Nicholson**, 2018. *The Wyoming Water and Climate Atlas*. Presented at the 2018 Elevations Geospatial Summit. Saratoga, WY.
6. Robinson, E., **C. Nicholson**, and R. Kelly, 2018. *Late Holocene climate change and human demography in the American Southwest: a view from the 'periphery'*. Presented at the 2018 Southwest Symposium, Denver, CO.
7. Robinson, E., **C. Nicholson**, and R. Kelly, 2018. *Radiocarbon Big Data and Holocene Population Dynamics in the Great Basin*. Presented at the 2018 Great Basin Archaeological Conference, Salt Lake City, UT.
8. Hatch, R., and **C. Nicholson**, 2017. *Give Us Metadata or Give Us Death! Streamlining data collection and distribution of Wyoming's geospatial water data*. Presented at the 2017 GIS in the Rockies Conference, Denver, CO.
9. Gill, P., J. Pring and **C. Nicholson**, 2017. *Streamlining the Development of a Statewide Water GIS: Methods & Tools*. Presented at the 2017 GIS in the Rockies Conference, Denver, CO.
10. Egeland, C., **C. Nicholson**, K. Covell, R. Sanderford, and K. Welch, 2017. *Cutmark Orientation and the Identification of Skill in Experimental and Middle Paleolithic Contexts*. Presented at the 2017 Society of American Archaeology Conference, Vancouver, B.C.

11. **Nicholson, C.**, 2016. *A Paleoclimate Model of Neanderthal Landscape-Use during the Last Interglacial*. Presented at the 2016 Society of American Archaeology Conference, Orlando, FL.
12. Robinson, E., H.J. Zahid, **C. Nicholson**, and R. Kelly, 2016. *Holocene Climate Change and Human Population Growth Rates*. Presented at the 2016 Society of American Archaeology Conference, Orlando, FL.
13. **Nicholson, C.**, T. Bergantino, and J. McKay, 2016. *Water and Climate Web Atlas: An interactive application for Wyoming Stakeholders*. Presented at the 2016 American Association of State Climatologists Meeting, Santa Fe, NM.
14. **Nicholson, C.**, T. Bergantino, and J. McKay. 2016. *Providing Wyoming's Diverse Stakeholder-Groups Water and Climate Information via a Web Atlas*. Presented at the 2016 WyGEO Conference, Cheyenne, WY.
15. **Nicholson, C.**, 2016. *Lightning Talk: The Wyoming Water and Climate Web Atlas*. Presented at the 2016 American Water Resources Association Conference, Orlando, FL.
16. **Nicholson, C.**, 2016. *Patterns of Snowfall, Snowmelt, Snow Season Length, and Drought in the Green and Platter River Basins, Wyoming*. Presented at the 2016 American Water Resources Association Conference, Orlando, FL.
17. McKay, J., **C. Nicholson**, and T. Bergantino. 2015. *Wyoming's Interactive Water and Climate Web Atlas*. Presented at the 2015 WyGEO Conference, Casper, WY.
18. **Nicholson, C.** 2014. *Drought Impacts and the Security of Wyoming's Future Water Resources: Online Decision Making Tools for Multiple Water Use Sectors*. Presented at the International Water Association Water, Energy and Climate Conference, Mexico City, Mexico.
19. **Nicholson, C.**, T. Bergantino, and J. Pavlica. 2013. *GIS Modeling of Environmental and Recreational Stream Flows in the Snake-Salt River Basin, Wyoming*. Presented at the 1) 2013 Society for Conservation GIS Annual Meeting, Monterey, CA., 2) 2013 GIS in the Rockies Conference, Denver, CO. and 3) 2013 GeCo West Conference, Laramie, WY.
20. Gray, S., F. Ogden, and **C. Nicholson**. 2013. *Risk of Climate Variability and Change in the Rocky Mountain West*. Presented at the 2013 CI-Water Teachers Summer Institute. Salt Lake City, UT.
21. **Nicholson, C.** 2012. *Climate Data Retrieval*. Presented at the Wyoming Geographic Organization 1st Annual Conference, Cheyenne, WY.
22. **Nicholson, C.** and T. Bergantino. 2012. *Characterizing Wyoming's Climate: Using Spatially-Gridded PRISM Climate Data to Visualize Climate Patterns in Wyoming's River Basin Plans*. Presented at the 2012 GIS in the Rockies Conference, Denver, CO.

23. Welch, K., C. Egeland, and **C. Nicholson**. 2012. *Experimental Determinations of Cutmark Orientation and their Implications for Reconstructing Prehistoric Butchery Behavior*. Presented at the 2012 Society of American Archaeology Conference, Memphis, TN.
24. **Nicholson, C.** 2012. *Data Services and Online Mapping Tools for Delivering Wyoming's Hydroclimatic Resources*. Presented at the Wyoming Engineering Society, 92nd Annual Convention, Sheridan, WY.
25. **Nicholson, C.** and T. Bergantino. 2012. *Point-Specific, Online Climate Data Retrieval: Developing Improved Methods for Accessing Wyoming's Climate Data through Online Web Mapping Application*. Presented at the 2012 American Water Resource Association Specialty Conference, GIS and Water Resources VII. New Orleans, LA.
26. Egeland, C., B. Gasparian, D. Arakelyan, R. Byerly, R. Ghukasyan, and **C. Nicholson**. 2011. *Excavations at new open-air Middle Paleolithic sites in the Debed River Valley, Armenia*. Presented at the 2011 Society of American Archaeology Conference, Sacramento, CA.
27. Arikawa, F., J. Merewether, and **C. Nicholson**. 2011. *Evaluating Chaco Influences in the Central Mesa Verde Region Using Material Culture during the Chaco and Post-Chaco Periods*. Presented at the 2011 Society of American Archaeology Conference, Sacramento, CA.
28. **Nicholson, C.** 2010. *The Water Resources Data System Update*. Presented at the 2010 Wyoming Water Association Conference. Laramie, WY.
29. Egeland, C., R. Byerly, and **C. Nicholson**. 2010. *New Field Investigations at the Olsen-Chubbuck Site, Cheyenne County, Colorado*. 68th Annual Plains Anthropological Conference. Bismarck, ND.
30. **Nicholson, C.** 2010. *Aerial Imagery, Irrigated Lands and River Basin Planning: Providing Wyoming's Stakeholders with Online Decision Support Tools*. Presented at the 2010 GIS in the Rockies Conference. Loveland, CO.
31. Egeland, C., B. Gasparian, D. Arakelyan, R. Byerly, R. Ghukasyan, and **C. Nicholson**. 2010. *New Data on the Paleolithic Settlement of the Lori Depression, Northern Armenia*. Presented at the 2010 Paleoanthropology Society Annual Meeting, St. Louis, MO.
32. Gray, S.T., **C. Nicholson**, and T. Bergantino. 2010. *Online Mapping Systems for Hydroclimatic Data Delivery*. Presented at the American Water Resource Association Specialty Conference, GIS and Water Resources VI. Orlando, FL and the Energy Resources and Produced Water Conference. Laramie, WY.

33. Gray, S.T., **C. Nicholson**, and T. Bergantino. 2009. *Online Mapping Systems for Climate Data Delivery*. Presented at the 2009 American Geophysical Union Conference. San Francisco, CA.
34. Arikawa, F. and **C. Nicholson**. 2009. *Modeling Quarry Sites in the Central Mesa Verde Region*. Presented at the 2009 Society of American Archaeology Conference, Atlanta, GA. and 2009 Pecos Conference, Cortez, CO.
35. **Nicholson, C.**, T. Bergantino, and S. Gray. 2008. *Wyoming's World Wide Water Web*. Presented at the 2008 ESRI Southwest Users Group Conference. Laramie, WY.
36. **Nicholson, C.**, L. Scheiber, J. Finley, and M. Boyle. 2008. *Developing a Predictive GIS Model of Bighorn Sheep Traps in Northwest Wyoming*. Presented at the 2008 ESRI Southwest Users Group Conference. Laramie, WY.
37. Gee, J., S. Bloch, M. Boyle, J. Finley, L. Scheiber, and **C. Nicholson**. 2006. *An Integrated GIS, GPS Mapping Protocol at Stone Circle Sites on the Northwestern Plains*. Presented at the 64th Annual Plains Conference, Topeka, KS.
38. **Nicholson, C.** 2004. *Selective Fragmentation and Cutmark Bias in Small-Animal Taphonomy: Ethno-Zooarchaeology among the Aché of Eastern Paraguay*. Presented at 2004 Society of American Archaeology Conference, Montreal, Canada.
39. **Nicholson, C.** 2001. *Differential Patch Utilization: Risk Reduction or Diet Breadth Change in the Calispell Valley, Washington*. Presented at the 55th Annual Northwest Archaeology Conference, Boise, ID.
40. **Nicholson, C.** and L. Todd. 2000. *Maxillary Dentition Analysis of Late Archaic Bison from the Kaplan-Hoover Site: Metrics, Ontogenetic Change, and Demographics*. Midwest/Plains 2000 Conference. St. Paul, MN.
41. Bohn, A., **C. Nicholson**, and L. Todd. *The Burrus Mammoth: Fluvial Transportation of a Cranium and Tusk Uncovered in Pleistocene River Gravel*. Midwest/Plains 2000 Conference. St. Paul, MN.
42. Egeland, C.P., J. Grutt, **C. Nicholson**, and L. Todd. 1999. *25SX348, Archaeology on the Level: Examining the Scatters within the Patches Using Spatial Analysis in the Ogallala National Grassland, Sioux County, Nebraska*. 57th Annual Plains Anthropological Conference. Laramie, WY.

ANTHROPOLOGICAL RESEARCH & GIS EXPERIENCE

Project member and GIS Consultant. 6/2009–Present. Lori Depression Paleoanthropological Project: Survey and excavation of Paleolithic sites in the Debed River Valley and its tributaries, Armenia. Principle Investigator: Charles Egeland

GIS Consultant. 6/2010. University of North Carolina-Greensboro: Olsen-Chubbuck Archaeological Project, Cheyenne County, CO. Principle Investigators: Charles Egeland and Ryan Byerly

GIS Consultant. 5/2006 – 5/2008. Indiana University Archaeology Field School, Bighorn Basin, WY. Principle Investigators: Laura Scheiber and Judson Finley

Crew Chief. 1/2006 – 6/2006. Plateau Archaeological Investigations, Idaho Cell Tower Surveys. Principle Investigator: David Harder

Crew Chief. 9/2004 – 10/2004. Plateau Archaeological Investigations, Hanford Survey, Richland, WA. Principle Investigator: David Harder

Graduate Research. 6/2004 – 8/2004. Research feasibility trip for ethnoarchaeology research among the Ur Islanders in Vanuatu. Principle Investigators: Sally Starkey and Chris Nicholson

Project Archaeologist. 6/2003 – 8/2003. Montgomery Archaeological Consultants, Uintah Basin, UT. Principle Investigator: Keith Montgomery

Crew Member. 8/2002 – 11/2002. Washington State University, Geoarchaeological Assessment, Hay, WA. Principle Investigator: Dr. Gary Huckleberry

Graduate Research. 7/2002 – 8/2002. Human Evolutionary Ecology research among the Achuar in the Ecuadorian Amazon. Principle Investigator: Dr. John Patton

Graduate Research. 5/2001 – 8/2001. Research feasibility trip for Human Evolutionary Ecology research among the Maku Nadeb (Brazil) and the Araona (Bolivia), South America. Principle Investigators: Robert Walker and Chris Nicholson

Field Technician. 3/2001 – 5/2001. Hardlines Design Co. Phase I surveys throughout Ohio. Principle Investigator: R. Joe Brandon

Field Technician. 12/2000 – 2/2001. Hardlines Design Co. Harmony Brick Works mitigation, PA. Principle Investigator: R. Joe Brandon

Crew Member. 5/2000 – 6/2000. Universitaet Tubingen, Hohle Fels Cave Archaeology Project, Germany. Principle Investigators: Prof. Dr. Nicholas Conard and Kurt Langguth

Crew Member. 5/1998 – 8/1999. Colorado State University, Hudson-Meng Bison Bonebed, NE.; Kaplan-Hoover Bison Kill, CO.; Vore Buffalo Jump Site, WY. Principle Investigators: Dr. Lawrence Todd and Dr. David Rapson

TEACHING EXPERIENCE

- Fall 2015 University of Wyoming, Department of Anthropology, Lecturer
 • ANTH 1200: Introduction to Cultural Anthropology
 Fall 2003 Washington State University, Professional Writing Tutor
 Fall 2003 Washington State University, Student Athlete Tutor

GRANTS & AWARDS

- 2019 Arizona State University, Institute for Social Science Research Grant (Co-Principle Investigator with Keith Kintigh)
 • *Addressing the Challenges of Archiving Complex Archaeological Datasets* (\$7,881)
 2018 National Mesonet Program (Principle Investigator)
 • *2018-2019 Teaming Agreement* (\$58,333)
 2017 United States Department of Agricultural (USDA) Research Service Grant (Co-Principle Investigator with Dr. Vivek Sharma)
 • *Climate Impact Assessment on Agriculture in Wyoming and Montana: Spatial-temporal variability of Climatic Variables, Extreme Events, and Evapotranspiration* (\$13,039)
 2016 Wyoming State Engineer's Office Grant (Principle Investigator)
 • *Wyoming Agricultural Climate Network – WACnet* (\$75,000)
 2015 Rocky Mountain URISA GIS Scholarship (\$500)
 2013 Wyoming State Engineer's Office Grant (Principle Investigator)
 • *Wyoming Hydrographer's Data Modernization* (\$45,000)
 2002 Washington State University, Graduate Studies Travel Grant (\$500)
 2002 Washington State University, International Research Grant (\$1,000)
 2000 Universitaet Tuebingen, Institute fur Ur- und Frugeschichte, Tubingen, Germany, International Research Scholarship (4,000 DM)

PROFESSIONAL ASSOCIATIONS

- 2019-Present American Cultural Resources Association
 2015-Present American Association for the Advancement of Science
 2000-Present Society of American Archaeology
 2012-2019 Wyoming Geospatial Organization
 2011-2019 American Water Resources Association
 2011-2019 Urban and Regional Information Systems Association-Rocky Mountains
 2011-2019 American Association of State Climatologists
 2010-2019 Wyoming Water Association
 2013 Society for Conservation GIS

REVIEW & EDITORIAL BOARDS

- 2020 Reviewer – Journal of Ecological Anthropology
 2019 Reviewer – Proceedings for the 5th International Conference on Water Resources and Environment

2018-Present Reviewer – Journal of Atmospheric and Oceanic Technology
2014-Present Editorial Board - Journal of Archaeological Science: Reports
2007-Present Reviewer - Journal of Archaeological Science

PROFESSIONAL ACTIVITIES & COMMITTEES

2020 Coalition for Archaeological Synthesis Board Member
2019 Universities Council on Water Resources, University of Wyoming Delegate
2018-2019 Upper Missouri River Basin Monitory Network Committee
2018 University of Wyoming - Open Access and Institutional Repository Task Force Member
2007-219 State of Wyoming - Water Forum Member
2011-2014 Education and Scholarship Board Member, RM-URISA
2007-2013 Albany County, Wyoming Planning and Zoning Commission
2012 GIS in the Rockies Conference. Session Chair Session.
2006-2007 Latah County, Idaho Historic Preservation Committee
2006-2007 Moscow, Idaho Transportation Commission
2004-2007 Latah County, Idaho GIS Committee

CERTIFICATIONS

2006 FEMA Certification for Management of Floodplain through the NFIP

RELATED SKILLS

Software: Adobe Acrobat Suite, Adobe Illustrator, Adobe Photoshop, ESRI ArcView 3.x, ESRI ArcGIS 9 & 10, ESRI ArcIMS, GNSS Solutions, GPS Pathfinder, Microsoft Office Suite, MobileMapper, SPSS, Statistica, Surfer 7.0, TerraSync 2.21

GIS Hardware: HP-48 Data Logger, Magellan GPS 320, PC's, Scanner, Sokkia and Pentax PCS-5 EDM Total Stations, Thales Promark 3, Trimble GeoExplorer CE Series

Programming Languages: HTML, Python, R, SQL