

# Douglas H. MacDonald, Ph.D., RPA

Professor/Archaeologist, Department of Anthropology, University of Montana, 59812

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## Education

- 1998 Ph.D. Anthropology. Washington State University, Pullman
- 1995 M.A. Anthropology, Washington State University, Pullman
- 1991 B.A. Anthropology, Honors, Brown University, Providence RI

## Areas of Specialization

Cultural Resource Management; North American Archaeology; Lithic Technology; Paleoindians; Hunter-gatherer Behavior

## Affiliations

Register of Professional Archaeologists  
Plains Anthropological Society  
Montana Archaeological Society

Society for American Archaeology  
Montana Historical Society  
National Geographic Society

## Professional Experience

- 2015-present. Professor, Anthropology, University of Montana
- 2010-2014. Associate Professor, Anthropology. University of Montana
- 2006-2010. Assistant Professor, Anthropology. University of Montana.
- 2003-2006. Archaeology Manager/Principal Investigator. GAI Consultants, Inc. Pittsburgh, Pennsylvania.
- 1999-2003. Principal Investigator. GAI Consultants, Inc. Pittsburgh, Pennsylvania.
- 1997-1998 Faculty Lecturer, Anthropology, Washington State University, Pullman, Wa.
- 1996-1997. Museum Assistant. Columbia River Basin NAGPRA Project, Center for Northwest Anthropology, WSU, U.S. Army Corps of Engineers. Dr. Mary Collins.
- 1995-1996. Advanced Lithic Analyst. Lake Ilo Archaeological Project, North Dakota. Washington State University Center for Northwest Anthropology. Dr. Matthew Root.
- 1995. Co-Field Director. Hanford Nuclear Reservation Archaeological Survey. Washington State University Center for Northwest Anthropology, U.S. Dept. of Energy, Hanford Nuclear Reservation. Dr. William Andrefsky, Jr.
- 1993-1994. Crew Chief. Lake Ilo Archaeological Project, North Dakota. Washington State University and University of North Dakota, U.S. Fish and Wildlife Service. Dr. Matthew J. Root, Dr. Stanley Ahler, and Dr. William Andrefsky.
- 1991-1992. Archaeological Technician. University of Delaware Center for Archaeological Research (UDCAR). Dr. Jay Custer and Wade Catts.
- 1990. Archaeological Field School. Opuntia Meadows Site (46PA1028), Cody, Wyoming. Colorado State University, Ft. Collins, Dr. Calvin Jennings.

## Dissertation and Thesis Topics

- 1998, Ph.D., Anthropology, Washington State University, Pullman. Dissertation: Subsistence, Tool-Use, and Reproductive Strategies of Northern Plains Folsom Hunter-Gatherers: A View from Bobtail Wolf (North Dakota). Dissertation advisor: William Andrefsky, Jr.
- 1994, M.A. Anthropology, Washington State University, Pullman. Thesis: *Lithic Technological Organization at the Hunting Camp Spring Site (35WA96), Blue Mountains, Oregon*. Thesis Advisor: William Andrefsky, Jr.
- 1991, B.A. Anthropology (Honors), Brown University, Providence, R.I. Honors Thesis: *A Critical Comparison of Two Archaeological Sites within the Big Horn Basin of Wyoming*. Thesis Advisors: Drs. Douglas Anderson and Richard Gould.



## Classes Taught

### *University of Montana, Missoula*

- Anth 101 (Introduction to Anthropology); Anth 150 (Archaeology of Yellowstone); Anth 352 (Archaeology of Montana); Anth 353 (Paleoindian Archaeology); Anth 450 (Archaeological Theory); Anth 451 (Cultural Resource Management); Anth 467 (Archaeological Field School); Anth 550 (Graduate Archaeology Seminar), Anth 602 (Graduate Seminar in Cultural Resource Management).

### *Washington State University, Pullman*

- Introduction to Anthropology; Sex, Evolution, and Human Nature; Native Peoples of North America; Art and Society

## Professional Appointments

- 2018-2020 Chair, Department of Anthropology, University of Montana
- 2018-2023 Governor of Montana Board of Trustees for Montana Historical Society
- 2013-2020 Graduate Program Coordinator, UM Dept. of Anthropology
- 2016-2019 Board of Editors, University of Montana Press
- 2007-2019 University of Montana Faculty Senate
- 2018-2019 Board of Directors Nominating Committee, Montana Archaeological Society.
- 2014-2015 Chair, Anthropology, University of Montana.
- 2014 Annual Conference Organizer, Montana Archaeological Society
- 2013-2015 Chair, Membership Committee, Plains Anthropology Society
- 2013-2014 President, Montana Archaeological Society
- 2009-2012 Board of Directors, Montana Archaeological Society
- 2011, Conference organizer and chair, 10<sup>th</sup> Biennial Rocky Mountain Anthropological Conference, University of Montana, Missoula, Montana.
- 2011-2014 Board of Directors, Plains Anthropological Society.
- 2007-2010 Executive Committee of the Faculty Senate, University of Montana.
- 2006-2009 Board of Directors, Preserve Historic Missoula.

## Published Books

- 2018 *Before Yellowstone: Native American Archaeology in the National Park*. University of Washington Press, Seattle.
- 2014 *Lithics in the West* (first editor with W. Andrefsky and P. Yu). Edited volume, University of Montana Press, Missoula.
- 2013 *Yellowstone Archaeology: Southern Yellowstone*. Co-Editor with Elaine Hale. Edited volume, University of Montana Contributions to Anthropology Volume 13, Number 2.
- 2012 *Montana Before History: 11,000 Years of Hunter-Gatherers in the Plains and Rockies*. Mountain Press Publishing Company, Missoula.
- 2011 *Yellowstone Archaeology, Northern Yellowstone*, 1<sup>st</sup> editor of volume with Elaine Hale. University of Montana Contributions to Anthropology Volume 13, Number 1.

## Peer-Reviewed Articles and Book Chapters (n=52)

- 2019 Yellowstone's Obsidian Cliff: Native Americans were the Rockies' Original Hard-Rock Miners. *Explore Yellowstone*: 92-94. Popular magazine article (not blind peer reviewed).
- 2019 Cougar Creek: Quantitative Assessment of Obsidian Use in the Greater Yellowstone Ecosystem. *American Antiquity* 84 (1):158-178. (1<sup>st</sup> author w/ B.Horton and T. Surovell).
- 2019 Paleoindians of Yellowstone Lake: Interpreting Late Pleistocene-Early Holocene Hunter-Gatherer Land-Use in the Greater Yellowstone Ecosystem. *Plains Anthropologist* 64 (249):23-50. (1<sup>st</sup> author with M.Nelson).
- 2018 Archeological Significance of Yellowstone Lake. *Yellowstone Science* 26 (1): 53-62.



- 2018 11,000 Years of Native American Obsidian Use in Yellowstone. In *Tracking the Human Footprint*, pp. 69-71. Proceedings of the 14th Biennial Scientific Conference on the Greater Yellowstone Ecosystem, Big Sky, Montana.
- 2016 A GIS Predictive Model for Paleoindian Sites in Yellowstone. *Archaeology in Montana*: 45-68 (2nd author with M. Nelson)
- 2015, Differential Selection of Lithic Raw Materials by Prehistoric Hunter-Gatherers in the Upper Yellowstone River Valley, Montana/Wyoming. In *Toolstone Geography of the Pacific Northwest*, edited by Terry Ozburn and Ron Adams, Simon Fraser University Press: 208-217. (Second author with J. Adams)
- 2014 Archaeology of the Little Trail Creek Site (24PA1081), Gardiner, Montana. *Archaeology in Montana* 55(2): 1-34.
- 2014 Preface (first author) with W. Andrefsky and P. Yu. In *Lithics in the West*, pp. 1-2, University of Montana Press, Missoula.
- 2014 Deciphering Point-of-Origin for Prehistoric Hunter-Gatherers at Yellowstone Lake, Wyoming: A Case Study in Lithic Technology and Settlement Pattern Studies. In *Lithics in the West*. University of Montana Press: 142-160.
- 2013 Sacred Traditions and “Art” in Hunter-Gatherer Contexts. *Encyclopedia of Global Archaeology*, (edited by A. Prentiss). Springer Press, New York.
- 2013 The Montana Yellowstone Archaeological Project: 7 Years and Counting for UM Archaeology at Yellowstone. *Greater Yellowstone Magazine* 1: 36-43.
- 2013 Early and Middle Holocene Hunter-Gatherers in the Greater Yellowstone Ecosystem, U.S.A. (1<sup>st</sup> author with J. Gish). Chapter in *Yellowstone Archaeology: Southern Yellowstone*, University of Montana Contributions to Anthropology 13(2): 76-91
- 2013 Park Point Obsidian: Geologic Description and Prehistoric Human Use of a Primary Obsidian Source at Yellowstone Lake (authored with students J. McIntyre, M. Livers, and R. Hughes). *Yellowstone Archaeology: Southern Yellowstone*. University of Montana Contributions to Anthropology 13(2): 42-58.
- 2013 Hunter-Gatherer Use of America’s Highest, Largest Lake: Comparative Analysis of Data from 27 Prehistoric Archaeological Features around Yellowstone Lake. *Yellowstone Archaeology: Southern Yellowstone*. University of Montana Contributions to Anthropology 13(2): 212-226.
- 2012 Understanding the Role of Yellowstone Lake in the Prehistory of Interior Northwest North America. *North American Archaeologist* 33(3): 251-289.
- 2012, Fishing Bridge Point (48YE381): A Stratified Prehistoric Site on the Northwestern Shore of Yellowstone Lake, Wyoming. *Plains Anthropologist* 57(223): 259-271.
- 2011, Total Field Magnetics and Exploration for Paleoindian to Plains-Culture Targets; Yellowstone National Park, USA. Submitted for publication *Proceedings of the 9<sup>th</sup> International Conference on Archaeological Prospection*. DEU Center for Near Surface Geophysics and Archaeological Prospection, Izmir, Turkey (2<sup>nd</sup> author w/ Steve Sheriff)
- 2011 Late Archaic Lithic Technology and Land Use within the Gardiner Basin, Upper Yellowstone River, Montana/Wyoming. *Yellowstone Archaeology: Northern Yellowstone*. UM Contributions to Anthropology 13(1): 56-71.
- 2011 Prehistoric Lithic Raw Material Use in the Gardiner Basin, Montana (second author with J. Adams. *Yellowstone Archaeology: Northern Yellowstone*. UM Contributions to Anthropology 13(1): 98-106.
- 2011 Late Paleoindian versus Early Archaic Occupation of Yellowstone Lake, Wyoming (1<sup>st</sup> author with Gish and Hughes). *Current Research in the Pleistocene* 28: 110-111.
- 2011 Prehistoric/Historic Ecology and Land Restoration within the Gardiner Basin, Yellowstone National Park, Montana (1<sup>st</sup> author with Yu, Hale, Hektner, & Dick). *Proceedings of the 2010 Yellowstone Science Conference*: 137-145. Also in *Yellowstone Archaeology: Northern Yellowstone*. UM Contributions to Anthropology 13(1): 2-10.
- 2011 Steatite on the Juniata: Early Woodland Pottery at the Hopewell Site, Central Pennsylvania. *Journal of Middle Atlantic Archaeology*: 7-27.



- 2011 Fort Ancient Mortuary Practices at Clark Rockshelter Kentucky (with B. Manzano and B. Shreckengost). In review for publication, *Proceedings of the 26<sup>th</sup> Annual Kentucky Heritage Council Archaeology Conference*.
- 2010 Total Field Magnetic, Radar, and Archaeological Studies on the Shores of Yellowstone Lake, Yellowstone National Park, USA. *ISAP News*: 2-3.
- 2010 The Evolution of Folsom Fluting. *Plains Anthropologist* 54 (210): 39-54.
- 2010 The Yellowstone Bank Cache Site (24YE355): A Late Archaic Pelican Lake Occupation on the Upper Yellowstone River. *Archaeology in Montana*: 1-24.
- 2010 Decorrugation, Edge Detection, and Modeling of Total Field Magnetic Observations from a Historic Town Site, Yellowstone National Park, USA (2<sup>nd</sup> author with S. Sheriff). *Archaeological Prospection* 16.
- 2009 With Mica we Mourn: Ft. Ancient Mortuary Practices at Clark Rockshelter, Kentucky (first author with Manzano, Lothrop, Cremeens, Parker and Shreckengost). *Midcontinental Journal of Archaeology* 34: 249-277.
- 2009 The Montana-Yellowstone Archeological Project. Rethinking Protected Areas in a Changing World: Proceedings of the 2009 George Wright Conference: 270-277.
- 2009 Understanding Decision-Making among Prehistoric Hunter-Gatherers via the Study of Lithic Technological Organization. *Lithic Technology* 34(2): 71-92.
- 2008, The Age, Function, and Distribution of Keyhole Structures in the Susquehanna River Basin. *Journal of Middle Atlantic Archaeology* 24: 99-112.
- 2008, Interstate Variation in Cultural Resource Law and Application. *The SAA Archaeological Record*, Volume 8 (1): 25-30.
- 2008, The Role of Lithic Raw Material Availability and Quality in Determining Tool Kit Size, Tool Function, and Degree of Retouch: A Case Study from Skink Rockshelter (46NI445), West Virginia. In *Lithic Technology: Measures of Production, Use, and Curation*, pp. 216-232, edited by William Andrefsky, Jr., Cambridge University Press.
- 2007 A Clovis Occupation along Swift Run Gap, Virginia. *Current Research in the Pleistocene* 24: 120-121.
- 2007 Book Review of *Folsom* by David Meltzer. *American Antiquity* 72(4): 793-794.
- 2006 Holocene Land-Use, Settlement Patterns, and Lithic Raw Material Use in Central West Virginia. *Archaeology of Eastern North America* 34: 121-140.
- 2006 Prehistoric Settlement Patterns and Lithic Usage in the Upper Juniata River Basin. *Pennsylvania Archaeologist* 76(1): 48-62.
- 2005 Holocene Lithic Raw Material Use at Skink Rockshelter (46Ni445), Nicholas County, West Virginia (with D.L. Cremeens), in *Upland Archaeology in the East*: pp. 133-172, edited by Carole Nash and Michael Barber, Archaeological Society of Virginia.
- 2005 Book Review. Aggregate Analysis in Chipped Stone. *Journal of Middle Atlantic Archaeology*: pp. 125-126.
- 2004 Early Paleoindians as Estate Settlers: Archaeological, Ethnographic, and Evolutionary Insights into the Peopling of the New World. *The Settlement of the American Continents: A Multidisciplinary Approach to Human Biogeography*, pp. 173-176, edited by C. Michael Barton et al., University of Arizona Press.
- 2003 Geoarchaeology of Co-Alluvial Landscapes in Central West Virginia. *Geoarchaeology* 18(7) (second author with D.L. Cremeens and J.C. Lothrop).
- 2002 Late Woodland Use of the Coverts Crossing and Coverts Bridge Sites, Lawrence County, Pennsylvania. *Pennsylvania Archaeologist* 72(1).
- 2001 Grief and Burial in Prehistory: Reinterpreting Hohokam and Salado Burials via Kin Selection Theory. *American Antiquity* 66(4): 704-714.
- 1999 Reproductive Interests and Forager Mobility (first author with Barry S. Hewlett). *Current Anthropology* 40(4): 501-524.
- 1999 Modeling Folsom Mobility, Mating Strategies, and Technological Organization in the Northern Plains. *Plains Anthropologist* 44(168): 141-161.



- 1998 Subsistence, Sex and Cultural Transmission in Folsom Culture. *Journal of Anthropological Archaeology* 17(3): 217-239.
- 1998 Subsistence, Tool-Use and Reproductive Strategies of Northern Plains Folsom Hunter-Gatherers: A View from the Bobtail Wolf Site. University Microfilms, Ann Arbor.
- 1997 Hunter-Gatherer Mating Distance and Early Paleoindian Social Mobility. *Current Research in the Pleistocene* 14: 119-121.
- 1996 The Bobtail Wolf Site: An Update on Recent Excavations. *Current Research in the Pleistocene* 13: 38-40 (second author with Matthew J. Root and Alice M. Emerson).
- 1995 Mobility and Raw Material Use at the Hunting Camp Spring Site (35WA96), Blue Mountains, Oregon. *North American Archaeologist* 16 (4): 343-361.

## Projects and Grants

### 2006-present—University of Montana (\$4,032,863)

- 2019 Yellowstone Endangered Trails Project, Yellowstone National Park, \$8XXXX
- 2019 Nez Perce Historic Trail Internship Project, Yellowstone National Park, \$4,343
- 2019 UM-Montana State Parks GIS Project, Montana Fish, Wildlife, and Parks, \$7,000
- 2018-2019 UM-Yellowstone National Park Archaeology internship, \$19,253
- 2018 Montana State Historic Preservation Office-GIS Project, \$42,000
- 2018 Yellowstone Golden Gate & Northeast Entrance Phase II archaeology, FHWA, \$72,191
- 2017 Nellis Air Force Base (Las Vegas, NV) Springs & Seeps Survey, USACOE, \$213,643
- 2017 Montana State Historic Preservation Office GIS Project, \$25,000
- 2017 Yellowstone Trails Archaeology Survey, \$42,000
- 2017 Tatanka Fire Complex Archaeological Survey, Yellowstone National Park, \$54,750
- 2017 Yellowstone-Lewis River Bridge Archaeology, FHWA, \$55,000
- 2016 Historic Trails of Yellowstone Project, Yellowstone National Park, \$14,999
- 2016 Nellis Air Force Base (Las Vegas, NV) Archaeological Survey, USACOE, \$327,771
- 2016 Warren Grove Range (New Jersey) Archaeological Survey, USACOE/UM CIRE, \$379,561
- 2016 Avon Park Air Force Base (Florida) Archaeological Survey, \$294,034
- 2016 Avon Park Air Force Base USACOE/UM CIRE, Phase II Evaluation: \$146,470
- 2016 Fairchild Air Force Base (Spokane, WA) Archaeological Survey, USACOE, \$34,567
- 2016 FE Warren Air Force Base (Cheyenne, WY) Archaeological Survey, USACOE, \$331,346
- 2016 Yellowstone Fire Survey Project (YFIARS), Yellowstone National Park, \$18,801
- 2016 Fishing Bridge Survey and Evaluations, FHWA Yellowstone National Park, \$100,000
- 2015 Warren Grove Air National Guard Range (New Jersey), USACOE, \$392,633
- 2015 Montana State Historic Preservation Office GIS Project, \$20,000
- 2015 Shanley Creek Road Reroute Project, Carbon County, Montana, UM Dept. of Forestry
- 2014-2015 Yellowstone Powerline Survey Project, Yellowstone National Park, \$44,662
- 2014 Yellowstone Mission 66 Forms Project, Yellowstone National park, \$12,000
- 2014 Bunkhouse Logging Camp Project, U.S. Forest Service, \$5,000
- 2014 Forest Service Archaeological Fire Impact Assistance, \$18,300
- 2014 Madison Buffalo Jump Archaeological Survey, Montana State Parks, \$4,900
- 2013 Yellowstone Lake Archaeology and Geomorphology, Park Service, \$30,000
- 2013 Snake and Lewis River Archaeological Survey, Yellowstone National Park, \$67,000
- 2013 Forest Service Archaeological Fire Impact Assistance, U.S. Forest Service, \$8,000
- 2012 Rattlesnake Wilderness Lolo National Forest Archaeological Survey, \$12,000
- 2012 Yellowstone National Park Yellowstone Lake Archaeological Testing, \$117,380
- 2012 Archeological Assistance Yellowstone National Park, \$100,000
- 2012 Historic Structures Strategic Plan Yellowstone National Park, \$100,000



- 2012 Grant-Kohrs National Historic Site Archeology and Imaging, National Park Service, \$10,000
- 2011 Yellowstone National Park Federal Highways Archaeology Projects, \$15,000
- 2011 Yellowstone Historic Structures, Part 2: YNP RM-CESU, \$35,620
- 2011 Yellowstone Lake East and South Shore Archaeological Project, NPS, \$180,000
- 2011 Yellowstone Archeological Assistance Project, National Park Service, \$76,000
- 2010 Yellowstone Lake East Shore Archaeology, National Park Service, \$180,000
- 2010 Fishing Bridge FHWA Evaluations, National Park Service, \$45,000
- 2010 Yellowstone Archeological Assistance Project, NPS, \$60,570
- 2010 Yellowstone Architectural History Assistance Project, Part 2, \$75,000
- 2010 Yellowstone Architectural History Assistance Project, Part 1, \$35,620
- 2010 Yellowstone Lake Archaeological Inventory and Archaeological Field School, \$29,000
- 2009 Yellowstone Lake Archaeological Inventory and Archaeological Field School, \$27,600
- 2009 Swan Lake Flat Archaeological Inventory & Testing, Yellowstone National Park, \$10,000
- 2009 Archaeological Research of Paleoindians in Glacier National Park, \$8,500
- 2009-2010 Mission 66 Architectural Survey Project, Yellowstone National Park, \$77,938
- 2008 University of Montana Burton Williams Endowment for Faculty Development, \$623.50
- 2007-2012 Rocky Mountain Cooperative Ecosystem Study Unit (RM CESU) National Park Service Field School Support, \$7,790
- 2008 North Fork Flathead River Homestead Archeology Survey, Glacier National Park, \$20,000
- 2008 Montana-Yellowstone Archaeological Project. Cooperative archaeological field school, Yellowstone National Park, \$41,000
- 2007 Montana-Yellowstone Archaeological Project. Yellowstone National Park, RM CESU, \$8,000 and University of Montana Office of Research, \$2,000
- 2007 Lake Sherburne Shoreline Inventory and Site Condition Evaluation Survey, Glacier National Park. August-September, Glacier National Park, \$20,000

**2004-2006—GAI Consultants, Inc. (P.I./Project Manager, Report Author)**

- Phase II Test Excavations, Four Rockshelters, Johnson and Floyd County, eastern Kentucky. Big Sandy Pipeline Project, Equitrans, Inc.
- Phase I Survey, Big Sandy Natural Gas Pipeline Project, Carter, Johnson, Lawrence, and Floyd Counties, Kentucky. Equitrans, Inc.
- Pennsylvania Archaeological Data Synthesis: Central West Branch Susquehanna River Basin. PPL Gas, Lock Haven, Pennsylvania.
- Phase I Survey, TL-492 EXT 3 Natural Gas Pipeline Project, Greene County, Pennsylvania and Wetzel County, West Virginia. Dominion Transmission, Inc.
- Phase I Survey, TL-536 and TL-453 Natural Gas Pipeline Projects, Potter County, Pennsylvania. Dominion Transmission, Inc.
- Phase I-II Survey and Testing, Hardy Storage Project, Hampshire and Hardy Counties, West Virginia, Columbia Gas Transmission, Inc.
- North Carolina Archaeological Geographic Information Systems Project, Historic GIS Task, North Carolina State Historic Preservation Office, Raleigh, N.C.
- Phase I-II Survey and Testing, Virginia Looping Project, Shenandoah, Rockingham, Page, Greene, and Louisa Counties, Virginia. Columbia Gas Transmission, Inc.
- Phase I Survey, Cove Point Expansion Project, 80 Mile Transmission Line, Dominion Transmission, Inc., Huntingdon, Centre, Juniata, and Clinton Counties, Pennsylvania
- Phase I Survey, Elk Lick Township Water and Sewer Expansion Project, Somerset County, Pa.
- Phase I Survey, Wolfsburg Sewer and Water Expansion Project, Bedford Township Municipal Authority, Bedford County, Pennsylvania
- Phase II Investigations of Prehistoric Site 46Ni424, Nicholas County West Virginia. Alex Energy, Inc., Summersville, West Virginia.



- Phase II-III Investigations of Skink Rockshelter, Site 46Ni445, Nicholas County, West Virginia. Alex Energy, Inc., Summersville, West Virginia
- Phase I Survey, Wolf Run Compressor Station and Pipeline, Northeast Storage Project, Dominion Transmission, Inc., Lewis County, West Virginia
- Phase I Survey, Fink Capacity Maintenance Project, Dominion Transmission, Inc., Lewis County, West Virginia
- Phase I Survey and Testing, Maronda (36AL517) and Randolph (36AL516) Sites, 19<sup>th</sup> Century Historic House Foundation and Lithic Scatter, Harrison Township, Allegheny County, Pennsylvania. Maronda Homes, Inc.
- Phase I Survey, Elysburg Bank, Ralpho Township, Northumberland County, Pennsylvania. First Columbia Bank and Trust Corporation, Bloomsburg, Pennsylvania.
- Phase II Testing and Evaluation, Sites 36PO34 and 36MC70, Northeast Storage Project, Dominion Transmission, Inc. Potter and McKean Counties, Pennsylvania.
- Phase I Survey, Northeast Storage Project, 21 Mile Pipeline, Quinlan Compressor Station and associated facilities, Dominion Transmission, Inc., Potter and McKean Counties, Pennsylvania, and Cattaraugus County, New York
- Phase I Survey, Municipal Authority of the Township of Robinson, Allegheny County, Pennsylvania. NIRA Consulting Engineers, Inc.
- Phase I Survey, Well 12367 Project, Kanawha County, West Virginia, Columbia Gas Transmission Corporation, Charleston, West Virginia.
- Phase I Survey, Loudoun-Leesburg Pipeline, Dominion Transmission, Inc., Loudoun County, Virginia
- Phase I Survey, American Electric Power 765 kV Transmission Line, Wyoming and McDowell Counties, West Virginia.
- Cabbage Pond Mill Report, 18<sup>th</sup> Century Mill Project, Delaware Dept. of Transportation.
- Phase I Survey, TL-263 Replacement Project, Kanawha, Boone, and Wyoming Counties, West Virginia, Dominion Transmission, Inc.
- Upper Juniata River Prehistoric Data Synthesis and Culture History for Keller Engineers, Inc. Walter Industrial Park Phase II Alternative Mitigation. Preservation Pennsylvania 2003 Archaeology Project of the Year.
- Phase I Survey, Elderly Housing Complex, Montoursville Borough, Lycoming County, Pennsylvania for SEDA-COG Housing Development Corporation
- Phase I Survey, Cove Point East Project, Loudoun and Fauquier Counties, Virginia for Dominion Transmission, Inc.
- Phase I Survey, Mid-Atlantic Project, Quantico Compressor Station/Pipeline and Leesburg Compressor Station, Loudoun and Fairfax Counties, Virginia for Dominion Transmission, Inc.
- Phase I Survey, Herndon Borough Sewer Project, Northumberland County, Pennsylvania for Herndon Borough Board of Supervisors
- Phase I Survey, Woodward Township Sewer Project, Lycoming County, Pennsylvania for Lycoming County Water and Sewer Authority
- Phase I Survey, Point Township Sewer Project, Northumberland County, Pennsylvania for Point Township Board of Supervisors
- Phase II Testing, Links Bridge Project, Beaver County, Pennsylvania for PennDOT
- Phase II Raccoon Creek Prehistoric Data Synthesis, Southwestern Pennsylvania. PennDOT District 11-0. FHWA Award for Best Archaeology Project, 2003.
- Phase I Survey, Hopewell Township Sewer Project, Bedford County, Pennsylvania for Hopewell Township Board of Supervisors
- Phase I Survey, Penn State Behrend Campus Expansion Project, Erie County, Pennsylvania. Weber Murphy Fox Architects, Inc.
- Fayette County Lateral Pipeline Phase I Archaeological Survey of 5-Mile Pipeline in Greene County, Pennsylvania, for Trigon-Sheehan Engineers and Constructors



- North Sewickley Township Phase I Archaeological Survey for North Sewickley Township, Beaver County, Pennsylvania
- Phase I Survey, Whitten Hollow Phase I Archaeological Survey for Westmoreland County Industrial Park Authority
- Phase I Survey, Columbia Line 10238 Project, Northampton County, Pennsylvania for Columbia Gas Transmission Corporation
- Phase I Survey, Smithton Interchange Project, Westmoreland County, Pennsylvania for PennDOT District 12-0

**1999-2003—GAI Consultants, Inc. (Principal Investigator, Report Author)**

- Phase I Survey, Moraine State Park Entrance Project, Butler County, Pennsylvania for PennDOT District 10-0
- Phase I Survey, Muncy Creek Township Sewer Project, Lycoming County, Pennsylvania for Muncy Creek Sewer Authority
- Phase I Survey, St. Joseph Generating, St. Joseph County, Indiana, Allegheny Energy
- Phase Ia Survey, Dawson Project, Fayette County, Pennsylvania. Allegheny Energy.
- Phase I Survey of the Costco Project Area, Butler County, Pennsylvania.
- Phase I Survey, Royal Tartan Golf Course, Washington County, Pennsylvania for William Stewart, Jr.
- Phase I Survey of Fallingwater, Fayette County, Pennsylvania. West. Pa. Conservancy
- Phase III Investigations of Site 36Lr75, Lawrence County, Pennsylvania, 2002 FHWA State Award, for Frank B. Taylor Engineering and PennDOT
- Phase I Survey, Pittsburgh to Washington, DC Trail Development, Somerset County, Pennsylvania for The RBA Group
- Phase I Survey, Twelve Pole Creek Bridge Project, Wayne Cty, West Virginia, WVDOH
- Phase I Survey, Hopewell Township Sewer Project, Bedford County, Pennsylvania for Hopewell Township Board of Supervisors
- Phase I Survey, North Beaver Township Sewer Project, Lawrence County, Pennsylvania for North Beaver Township Board of Supervisors
- Phase I Survey, Bald Eagle Creek Project, Centre County, PA for Allegheny Energy
- Phase I Survey, Pulaski Township Sewer Project, Lawrence County, Pennsylvania for Pulaski Township Board of Supervisors
- Phase I Survey, Shade/Central City Sewer Project, Somerset County, Pennsylvania.
- Phase II-III Data Recovery, the Coverts Bridge Site 36Lr228, Lawrence County, Pennsylvania. 2002 FHWA Pennsylvania State Award, for PennDOT
- Phase I Survey, Berkshire Business Park Project Area, York County, Pennsylvania Principal Investigator. Phase I Survey, Pleasant Valley Condominium, York County, Pennsylvania for LSC Design, Inc.
- Phase I Survey, AK Steel Natural Gas Pipeline, Butler County, Pennsylvania
- Phase III Investigation of Prehistoric Sites 46Ni252, Corridor L (US19)
- Phase III Data Recovery Investigation of Prehistoric Site 46Ni275, Corridor L (US19)
- Phase III Data Recovery Investigation of Prehistoric Site 46Ni267, Corridor L (US19)
- Phase I Cultural Resource Survey, Melissa-Huntington Road (WV 10) Project, WVDOH.

**1992-1998—Washington State University (Field Director/Crew Chief)**

- Lake Ilo Archaeological Project, Bobtail Wolf Folsom Site, Dunn Center, North Dakota. Washington State University and University of North Dakota Hariman Research Center. Report Contributor with Matthew Root, editor/P.I.
- Hanford Nuclear Reservation Archaeological Survey. Washington State University Center for Northwest Anthropology, U.S. Dept. of Energy, Benton County, Washington.





- Columbia River NAGPRA Project. Curation of archaeological materials collected in River Basin Surveys. Mary Collins, Project Manager.

### **1991-1992—University of Delaware Center of Archaeological Research (Technician)**

- Memorial Park Site Data Recovery, Lock Haven, PA, U. of Del. Center for Arch. Research (UDCAR), USACOE--Baltimore District. Field Technician.
- Slackwater Site Project, Phase III Data Recovery, Lancaster County, PA. University of Delaware Center for Archaeological Research (UDCAR), Murry Development Company
- Carey Farm Project, Phase III Data Recovery, Dover, Delaware. University of Delaware Center for Archaeological Research (UDCAR), Delaware Department of Transportation
- Revolutionary War Era Boat Slip Project, Phase III Data Recovery, Dover, Delaware. University of Delaware Center for Archaeological Research (UDCAR), Delaware Department of Transportation. Field Technician.
- Opuntia Meadows (46PA1028) Archaeological Project, Cody, Wyoming, Colorado State University, Ft. Collins. Field Technician.

### **Papers Presented (n=84)**

- 2019 Before Yellowstone: A Journey to a Native America Wilderness. Lecture presented to the West Yellowstone History Center, June 14, 2019.
- 2019 Forum: Agencies and Academia: A How-To Guide to Sustainable Partnerships, discussant, 84<sup>th</sup> Annual Meeting of the Society for American Archaeology, Albuquerque, N.M., April 11.
- 2019 Forum: Managing Quarried Landscapes—Developing Preservation Priorities and Best Practices, discussant, 84<sup>th</sup> Annual Meeting of the Society for American Archaeology, Albuquerque, N.M., April 11.
- 2019 The Role of Geomorphology and GIS in the Identification of Paleoindian Archaeological Sites at Yellowstone Lake, Wyoming, U.S.A. Paper presented at 84<sup>th</sup> Annual Meeting of the Society for American Archaeology, Albuquerque, N.M., April 12.
- 2019 Insights into Wilderness from the Native American Archaeology of Yellowstone National Park. Lecture at the Museum of the Rockies, Bozeman, MT, January 10, 2019.
- 2019 Prehistory of Montana. Public lecture to the Missoula History Club, Missoula Public Library, January 25, 2019
- 2018, Montana's First Americans. Invited Lecture for Missoula chapter of the Archaeological Institute of America, Sept. 25, 2018.
- 2018, Mountain Archaeology in Yellowstone. Guest Lecture at 52<sup>nd</sup> Grizzly Riders International Meeting, Sept. 9, 2018, E-Bar-L Ranch, Potomac, Montana.
- 2018 11,000 Years of Native American Obsidian Use in Yellowstone: A Discussion of Issues and Ideas regarding Public Access to two Obsidian Source Areas. 14th Biennial Scientific Conference on the Greater Yellowstone Ecosystem, Sept, 2018 Big Sky, MT.
- 2018 Before Yellowstone: A Journey. Keynote Lecture, Northwest Anthropology Conference, March 30, Boise, ID, and Invited Lecture, April 21, Ft. Missoula Museum.
- 2018 Paleoindians of Yellowstone: An Update on University of Montana Research. Paper presented at the Northwest Anthropology Conference, March 29, 2018, Boise, ID
- 2018 Cougar Creek Obsidian: Quarry Activity and Secondary Processing of a Minor Yellowstone Obsidian. Society for American Archaeology meeting, Washington, D.C., April 12, 2018 and Montana Archaeological Society Annual Meeting, April 27, Billings.
- 2018 Before Yellowstone. Lecture at Fort Missoula Historical Center, Missoula. April 21.
- 2017 The Cody Complex at Yellowstone Lake: A Compilation of Data collected by the University of Montana from 2009-2016. Paper presented at the Rocky Mountain Anthropology Conference, Banff, Alberta, September 21-22, 2017.
- 2017 An Update on the University of Montana Dept. of Anthropology and the Montana Yellowstone Archaeological Project. Montana Archaeological Society, April 15, 2017.



- 2017 The Montana Yellowstone Archaeological Project: 10 Years and Counting. Paper presented at the 2016 Society for American Archaeology Conference, April 9, Orlando (paper presented by second author Staffan Peterson).
- 2016 Yellowstone's Obsidian Cliff: Celebrating 20 Years as a National Historic Landmark. Lectures presented at the Museum of the Rockies, Bozeman, and the University of Montana, Missoula, on April 25 and April 27, 2016.
- 2016 Yellowstone's Obsidian Cliff: Celebrating 20 years as a National Historic Landmark. Paper presented at the Montana Archaeological Society Meeting, Great Falls, Montana, April 23, 2016
- 2015 Symposium Organizer, Research Problems in Great Plains and Rocky Mountains Archaeology. Society for American Archaeology Meeting, San Francisco, April 18, 2015.
- 2015 Geographic and Temporal Differences in Lithic Raw Material Use within the Greater Yellowstone Ecosystem. Paper presented at the Society for American Archaeology Meeting, San Francisco, April, 18, 2015.
- 2015 10 Best Archaeology Sites in Montana, Presentation to Montana History Club, Missoula, February 27, 2015.
- 2014 The Anzick Site: Montana's Oldest Archaeological Site, Presentation at UM to 100 Corvallis Middle School Students (with Stocky White), November 11, 2014.
- 2014 The Place of Montana in World Prehistory, Guest Lecture at Philipsburg, MT, High School, October 1, 2014.
- 2014 Montana Prehistory, Guest Lecture to Philipsburg Middle School, October 1, 2014.
- 2014 Native American Use of the Greater Yellowstone Ecosystem. Invited Lecture, Washakie Museum, Worland, Wyoming, April 19.
- 2014 Mysteries of Yellowstone Prehistory. Invited Lecture, Buffalo Bill Center of the West, Cody, Wyoming, April 18.
- 2014 Mysteries of Yellowstone Lake Prehistory. Invited Lecture, Yellowstone Gateway Museum, Livingston, Montana, April 17.
- 2014 Archaeology of the Rattlesnake Wilderness, Missoula County, Montana. Montana Archaeological Society Meeting, Hamilton, April 12. First author with S. Bacon.
- 2014 Archaeology of the Snake and Lewis Rivers, Yellowstone National Park. Archaeology Month Presentation, Missoula, April 7 & Hamilton, April 12.
- 2014 The 10 Best Archaeological Sites in Montana. Invited Lecture, Lolo Chapter, Lewis and Clark Society, Lolo, Montana, March 6.
- 2013 Mysteries of Yellowstone Lake Prehistory. Archaeology Month Presentation, University of Montana, Missoula, April 18.
- 2013 Yellowstone Lake Archaeology: Update on 2011-2012 University of Montana Field Seasons (1<sup>st</sup> author with E. Hale). Montana Archaeological Society Meeting, Lewistown, Montana, April 13.
- 2013 Prehistoric Human-Bear Interactions in the Greater Yellowstone Ecosystem (2<sup>nd</sup> author with M.Ciani). 64<sup>th</sup> Northwest Anthropological Society Meeting, Portland, Oregon, March 28.
- 2012-2013 Montana Before History Lecture. Presentations for First Peoples Buffalo Jump, April 27, 2013; Montana Natural History Center, Missoula, March 7, 2012; Montana Historical Society, Helena, April 5, 2012.
- 2012 Understanding the Role of Yellowstone Lake in Native American Subsistence and Settlement Systems. Paper presented at the 70th Plains Anthropological Society Meeting, Saskatoon, Saskatchewan.
- 2011 The Montana Yellowstone Archaeological Project. 64<sup>th</sup> Northwest Anthropological Conference, Moscow, Idaho, April.
- 2011 Sedimentologic, Geomorphologic, and Geochronologic Record of Late Pleistocene and Holocene Lake Level Changes along the Eastern Shore of Yellowstone Lake. Paper presented at the 63<sup>rd</sup> Rocky Mountain/Cordilleran Sections Meeting of the GSA (third author with Marc Hendrix and Michael Hoffman). Logan, Utah, May.



- 2011 Toward an Understanding of Prehistoric Hunter-Gatherer Use of America's Largest High-Elevation Lake, Yellowstone Lake, Wyoming. 76<sup>th</sup> Society for American Archaeology Meeting, Sacramento, California, April.
- 2011 Differential Selection of Lithic Raw Materials by Prehistoric Hunter-Gatherers in the Upper Yellowstone River Valley, Montana/Wyoming. 76<sup>th</sup> Society for American Archaeology Meeting, Sacramento, California, April (2<sup>nd</sup> author with Jacob Adams)
- 2010 Prehistory of Yellowstone Lake. Paper presented for Archaeology Month, University of Montana, Missoula with students Mike Livers/Jake Adams, April.
- 2010 Crescent Hill Chert: A Newly Recorded Lithic Resource in Yellowstone National Park (co-author with student Jake Adams). Paper Presented at the 2009 Montana Archaeological Society Meeting, Red Lodge, Mt, April.
- 2010 Update on the 2009 MYAP Field Season, Yellowstone Lake. Paper Presented at the 2009 Montana Archaeological Society Meeting, Red Lodge, Mt, April.
- 2009 Montana Yellowstone Archaeological Project: Update on the 2009 Field Season at Yellowstone Lake, Wyoming. Paper presented at the 2009 Plains Anthropology Association Meeting, Norman, Oklahoma, October.
- 2009 Archaeological Investigations of the Airport Rings Site (24YE357), Yellowstone National Park, Gardiner, Montana (with M. Livers). Paper presented at the Montana Archaeological Society, Kalispell, Mt, April 18.
- 2009 Cinnabar: Archaeology of Yellowstone's Original Train Town (with D. Dick). Paper presented at the Montana Archaeological Society, Kalispell, Mt, April 18.
- 2009 Prehistory of the Boundary Lands, Yellowstone National Park. Paper presented for Archaeology Month, University of Montana, Missoula, Mt, April 16.
- 2009 With Mica we Mourn: Late Prehistoric Mortuary Practices at Clark Rockshelter, Kentucky (with Manzano and Shreckengost). Paper presented at the 25<sup>th</sup> Annual Kentucky Heritage Council Archaeological Conference, Northern Kentucky University, Highland Heights, Kentucky, March 7-9.
- 2009 The Montana Yellowstone Archaeological Field School Project. Paper presented at the George Wright Society Conference, Portland, Oregon, March 2.
- 2008 Archaeology of the Boundary Lands, Yellowstone National Park, Montana (first author with Ann Johnson and Elaine Hale). Paper presented at the Plains Anthropological Conference, Laramie, Wyoming, and the Great Basin Anthropological Conference, Portland, Oregon, October 2 and 9, 2008.
- 2008 Update on MYAP Project. MASA lunch lecture series, 10/16/08.
- 2008 Prehistoric and Historic Archaeology of the Boundary Lands, Yellowstone National Park, Montana. Paper presented at the 50<sup>th</sup> Annual Montana Archaeological Society Meetings, Billings, MT, April 19, 2008.
- 2008 Archaeology of the Boundary Lands, Yellowstone National Park. Paper presented at the 7<sup>th</sup> Graduate Student and Faculty Research Conference, Missoula, MT, April 5. .
- 2008 Archaeology of the Boundary Lands, Yellowstone National Park. Paper presented for Montana Archaeology Month, University of Montana, Missoula, MT, April 7<sup>th</sup>.
- 2008 Understanding the Role of Sociocultural and Idiosyncratic Factors in Lithic Raw Material Use in Prehistoric Appalachia: Case Studies from West Virginia, Virginia, and Pennsylvania. Paper presented at the 73<sup>rd</sup> SAA Meeting, Vancouver, B.C.
- 2007 Montana-Yellowstone Archaeological Project. MASA lunch-bag lecture series, University of Montana Department of Anthropology Lunch Series.
- 2007 Current Research and Issues in Northern Plains and Rockies Cultural Resource Management. Symposium organized for the 60<sup>th</sup> annual Plains Anthropological Conference, Rapid City, South Dakota.
- 2007 Montana-Yellowstone Archeological Project (second author with Lester Maas). Paper presented at the 60<sup>th</sup> annual Plains Anthropological Conference, Rapid City, SD.



- 2007 Interstate Variation in Cultural Resource Law and Application. Paper presented at the 60<sup>th</sup> annual Northwest Anthropological Conference, Pullman, Washington, and at the 65<sup>th</sup> annual Plains Anthropological Conference, Rapid City, South Dakota.
- 2007 Cultural Heritage and CRM in the Northwest and Beyond. Symposium organized for the 60<sup>th</sup> annual Northwest Anthropological Conference, Pullman, Washington.
- 2006 The Role of Mobility and Lithic Raw Material Availability in Determining Tool Kit Size and Degree of Retouch. Seventieth Annual Meeting of the Society for American Archaeology, San Juan, Puerto Rico.
- 2005 Paleoindian to Late Woodland Occupation of the Blue Ridge: Archaeology of the Hardy Transmission Project. Paper Presented at the Eastern States Archaeology Federation Conference, Williamsburg, Virginia.
- 2004 Lithic Raw Material Procurement in the Upper Juniata Sub-Basin, South-Central Pennsylvania. Paper to be presented at the 68<sup>th</sup> annual meeting of the Society for American Archaeology, Montreal.
- 2004 Co-Organizer (with B. Chiarulli), Poster Session: Lithic Raw Material Studies in Pennsylvania. 68<sup>th</sup> annual meeting of the Society for American Archaeology, Montreal.
- 2004 Phase II-III Archaeology at Skink Rockshelter (46Ni445), Nicholas County, Pennsylvania. Paper presented at the 2004 Uplands Archaeology in the East Conference, James Madison University, Virginia.
- 2003 The Early and Middle Archaic in the Upper Juniata Subbasin, South-Central Pennsylvania. Paper presented at the Sixty-eighth annual meeting of the Society for American Archaeology, Milwaukee.
- 2003 Alternatives to Mitigation: The Role of Data Synthesis Studies in Pennsylvania. Paper presented with Chan Funk at the Sixty-eighth annual meeting of the Society for American Archaeology, Milwaukee, and at the National Transportation Research Board Meeting in Vancouver, Washington.
- 2002 Subsistence, Settlement Patterns and Lithic Raw Material Use in the Muddlety Creek Valley, Central West Virginia. Paper presented at the Sixty-seventh annual meeting of the Society for American Archaeology, Denver.
- 2001 The Coverts Crossing and Coverts Bridge Sites: Late Woodland Use of the Mahoning River Valley, Northwestern Pennsylvania. Paper presented at the 68<sup>th</sup> Meeting of the Eastern States Archaeological Federation Meetings, Watertown, New York.
- 2000 Grief and Burial in the American Southwest: Reinterpreting Hohokam and Salado Burials via Kin Selection Theory. Paper presented at the Sixty-fifth annual meeting of the Society for American Archaeology, Philadelphia.
- 1999 Organizer and Moderator, Evolutionary Theory in Archaeology, Part I: Evolutionary Ecology and Evolutionary Archaeology. Forum at the Sixty-fourth annual meeting of the Society for American Archaeology, Chicago.
- 1999 Organizer and Chair, Evolutionary Theory in Archaeology, Part II: Cultural Transmission and Evolutionary Psychology. Forum organized for the Sixty-fourth meeting of the Society for American Archaeology, Chicago.
- 1999 The Evolution and Cultural Transmission of Folsom Fluting. Paper presented at the Sixty-fourth annual meeting of the SAA, Chicago.
- 1998 Reproductive Interests, Forager Travel and Thoughts on Evolutionary Theory in Anthropology and Archaeology. Colloquium presented to the Department of Anthropology, Washington State University (9.30.98).
- 1998 Reproductive Interests and Forager Mobility. Paper presented at the 10<sup>th</sup> annual meeting of the Human Behavior and Evolution Society, Davis, California (first author with Barry S. Hewlett).
- 1998 Chair, Mating Strategies. Tenth annual meeting of the Human Behavior and Evolution Society, Davis, California
- 1998 Bright Lights and Refitting: Understanding Folsom Social Aggregation via Ultraviolet Florescence, Minimum Nodule Analysis, Lithic Refitting and Use-Wear Analysis. Poster



presented at the Sixty-third annual meeting of the Society for American Archaeology, Seattle (first author with M.J. Root and A.M. Emerson).

- 1997 Hunter-Gatherer Mating Distance and Early Paleoindian Social Mobility in Western North America. Fiftieth annual Northwest Anthropological Conference.
- 1997 Symposium Organizer and Chair, Graduate Student Research at Washington State University. 50th Northwest Anthropological Conference, Ellensburg, WA.
- 1997 Subsistence, Sex and Cultural Transmission in Folsom Culture. Sixty-second annual meeting of the Society for American Archaeology, Nashville, Tennessee.
- 1996 Chinese Gold Mining Features along the Hanford Reach of the Columbia River. Sixty-first annual meeting of the Society for American Archaeology, New Orleans, Louisiana (first author with P. Blomgren).
- 1996 Deciphering Folsom Mobility in the Northern Plains. 61st meeting of the Society for American Archaeology, New Orleans, Louisiana (second author with M. J. Root).
- 1995 Modeling Folsom Subsistence and Settlement in the Northern Plains. Fifty-third annual meeting of the Plains Anthropological Society, Laramie, Wyoming.
- 1995 Mobility and Raw Material Use at the Hunting Camp Spring Site, Blue Mountains, Oregon. Sixtieth annual meeting of the SAA, Minneapolis, Minnesota.
- 1994 Lithic Technological Organization at the Hunting Camp Spring Site, Blue Mountains, Oregon. 47th Northwest Anthropological Conference, Spokane, Wa.

