

VITA

MICHAEL R. WATERS

**Professor of Anthropology
Holder, Chair in First Americans Studies
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CONTACT INFORMATION

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DEGREES RECEIVED

- Ph.D. 1983 Geosciences, University of Arizona, Tucson
Dissertation: *The Late Quaternary Geology and Archaeology of Whitewater Draw, Southeastern Arizona*
- M.S. 1980 Geosciences, University of Arizona, Tucson
Thesis: *Lake Cahuilla: Late Quaternary Lacustrine History of the Salton Trough, California*
- B.S. 1977 Geosciences, University of Arizona, Tucson (with Distinction and Honors)
Thesis: *The Lowland Patayan Ceramic Tradition: The Diagnostics and Distribution of Lower Colorado Buff Ware*

ACADEMIC APPOINTMENTS

- 2016–Present **Professor**, Department of Anthropology, TAMU
Holder, Chair in First Americans Studies
Director, Center for the Study of the First Americans
Executive Director, North Star Archaeological Research Program

- 2005–2015 **Professor**, Departments of Anthropology and Geography, TAMU
Holder, Chair in First Americans Studies
Director, Center for the Study of the First Americans
Executive Director, North Star Archaeological Research Program
- 2002–2004 **Professor**, Departments of Anthropology and Geography, TAMU
Holder, Professorship in First Americans Studies
Associate Director, Center for the Study of the First Americans
Executive Director, North Star Archaeological Research Program
- 1998–2002 **Professor**, Departments of Anthropology and Geography, TAMU
- 1991–1998 **Associate Professor**, Departments of Anthropology and Geography,
TAMU
- 1986–1991 **Assistant Professor**, Departments of Anthropology and Geography,
TAMU
- 1978–1985 **Geologist**, U.S. Geological Survey, Denver, Colorado (part-time)

RESEARCH EXPERTISE

- Peopling of the Americas
- Geoarchaeology
- Late Quaternary history
- Americas and Northeast Asia

AWARDS AND HONORS—International

- **Rip Rapp Archaeological Geology Award***, Geological Society of America, 2004. Annual award for outstanding contributions to the interdisciplinary field of archaeological geology. Highest award given in the field of Geoarchaeology. 22nd recipient of the award.
- **Fellow**, Geological Society of America, 2004. Elected to Fellowship in recognition of distinguished contributions to the geosciences. There are 800 Fellows out of a total membership of 26,500 (only 3% of the membership).
- **Kirk Bryan Award***, Geological Society of America, 2003. Annual award bestowed upon the author(s) of a published paper of distinction advancing the science of geomorphology or Quaternary geology. 45th recipient of the award.

(*Note: I am only the fourth geologist in GSA history to receive both of these Awards)

AWARDS AND HONORS—Texas A&M University

- **Distinguished Achievement Award in Research**, The Association for Former Students of Texas A&M University, University-level Award, 2012
- **Newsmaker Image Award**, Division of Marketing & Communications Annual Award, Texas A&M University, 2012. Annual award given for “outstanding willingness to serve as an insightful and authoritative media resource thus effectively helping ‘tell the Texas A&M Story’ to the general public and lay constituencies.”
- **Faculty Fellow**, College of Liberal Arts, Texas A&M University, 2001–2003
- **Teaching Excellence Award**, Office of the Vice Chancellor for Academic Affairs, Texas A&M University, 2011
- **Distinguished Teaching Award**, The Association of Former Students of Texas A&M University, College-level Award, 1998

AWARDS AND HONORS—State of Texas

- **House of Representatives of the State of Texas**, House Concurrent Resolution, 82nd Legislature of the State of Texas, (H.C.R. No. 143), May 2011 acknowledging the importance of the Debra L. Friedkin archaeological site to the state of Texas and first Americans research.

MEDIA RECOGNITION

- **Top 100 Discoveries of 2014**, *Discover* magazine ranked the results of the genetic studies of the Anzick Clovis skeleton as number 7 of 100.
- **Top 100 Scientific Discoveries of 2014**, *Time* magazine (special issue) ranked the results of the genetic studies of the Anzick Clovis skeleton as one of the top 100 scientific discoveries of 2014.
- **Top 10 Hominid Discoveries of 2011**, *Smithsonian* magazine ranked the results of my research at the Friedkin and Manis archaeological sites as one of the top ten Hominid discoveries of 2011.
- **Cover Stories**, My research was highlighted in cover stories in *Scientific American* (2011), *Smithsonian Magazine* (2013), and *National Geographic* (2015).

PUBLICATIONS

Refereed Journal Articles

Halligan, J., **Waters, M. R.***, Perrotti, A., Owens, I. J., Feinberg, J. M., Bourne, M. D., Fenerty, B., Winsborough, B., Carlson, D., Fisher, D. C., Stafford, T. W., and Dunbar, J. S., 2016, Pre-Clovis occupation 14,550 years ago at the Page-Ladson site, Florida, and the peopling of the Americas. *Science Advances*, v. 2, no. 5, DOI: 10.1126/sciadv.1600375. (*Note: As noted in the article, both Halligan and Waters contributed equally to the research and paper.)

Forman, S. L., and **Waters, M. R.**, 2016, Optically stimulated luminescence dating and the peopling of the Americas. *PaleoAmerica*, v. 2, p. 6-10.

Bourne, M. D., Feinberg, J. M., Stafford, T. W., **Waters, M. R.**, Lundelius, E., and Forman, S. L., 2016, High-intensity geomagnetic field ‘spike’ observed at ca. 3000 cal BP in Texas, USA. *Earth and Planetary Science Letters*, v. 442, p. 80-92.

Waters, M. R., Stafford, T. W., Kooyman, B., and Hills, L. V., 2015, Late Pleistocene horse and camel hunting at the southern margin of the Ice-Free corridor: Reassessing the age of Wally’s Beach, Canada. *Proceedings of the National Academy of Sciences*, v. 112, p. 4263-4267.

Waters, M. R., Amorosi, T., and Stafford, T. W., 2015, Redating Fell’s Cave, Chile and the chronological placement of the Fishtail projectile point complex. *American Antiquity*, v. 80, p. 376-386.

Jennings, T. A., Smallwood, A. M., and **Waters, M. R.**, 2015, Exploring late Paleoindian and early Archaic unfluted lanceolate point classification in the southern Plains. *North American Archaeologist*, v. 36, p. 243-265.

Raghavan, M., Steinrücken, M., Harris, K., Schiffels, S., Rasmussen, S., Albrechtsen, A., Valdiosera, C., Ávila-Arcos, M., Malaspinas, A., DeGiorgio, M., Eriksson, A., Moltke, I., Metspalu, M., Homburger, J., Wall, J., Cornejo, O., Moreno-Mayar, J., Korneliussen, T., Pierre, T., Rasmussen, M., Campos, P., Damgaard, P., Allentoft, M., Lindo, J., Metspalu, E., Rodríguez-Varela, R., Mansilla, J., Henrickson, C., Seguin-Orlando, A., Malmström, H., Stafford, T., Shringarpure, S., Moreno-Estrada, A., Karmin, M., Tambets, K., Bergström, B., Xue, Y., Warmuth, V., Friend, A., Singarayer, J., Valdes, P., Balloux, F., Lebereiro, I., Vera, J., Rangel-Villalobos, H., Pettener, D., Luiselli, D., Davis, L., Heyer, E., Zollikofer, C., León, M., Smith, C., Grimes, V., Pike, K., Deal, M., Fuller, B., Arriaza, B., Standen, V., Luz, M., Osipova, L., Voevoda, M., Balanovsky, O., Lavryashina, M., Bogunov, Y., Khusnutdinova, E., Gubina, M., Balanovska, E., Fedorova, S., Litvinov, S., Malyarchuk, B., Derenko, M., Mosher, M., Archer, D., Cybulski, J., Petzelt, B., Mitchell, J., Worl, R., Norman, P., Parham, P., Kemp, B., Kivisild, T., Tyler-Smith, C., Sandhu, M., Crawford, M., Villems, R., Smith, D., **Waters,**

M. R.*, Goebel, T., Johnson, J., Malhi, R., Jakobsson, M., Meltzer, D., Manica, A., Durbin, R., Bustamante, C., Song, Y., Nielsen, R., and Willerslev, E., 2015, Genomic evidence for the Pleistocene and recent population history of Native Americans. *Science*, v. 349, aab3884. DOI: 10.1126/science.aab3884.
(*I provided interpretation of the archaeological context.)

Waters, M. R., and Stafford, T. W., 2014, Redating the Mill Iron site, Montana: a reexamination of the Goshen complex chronology. *American Antiquity*, v. 79, p. 541-548.

Rasmussen, M., Anzick, S. L., **Waters, M. R.***, Skoglund, P., DeGiorgio, M., Stafford, T. W., Rasmussen, S., Moltke, I., Albrechtsen, A., Doyle, S. M., Poznik, G. D., Gudmundsdottir, V., Yadav, R., Malaspinas, A., White, S. S., Allentoft, M. E., Cornejo, O. E., Tambets, K., Eriksson, A., Heintzman, P. D., Karmin, M., Korneliusson, T. S., Meltzer, D. J., Pierre, T. L., Stenderup, J., Saag, L., Warmuth, V., Lopes, M. C., Malhi, R. S., Brunak, S., Sicheritz-Ponten, S., Barnes, I., Collins, M., Orlando, L., Balloux, F., Manica, A., Gupta, R., Metspalu, M., Bustamante, C. D., Jakobsson, M., Nielsen, R., and Willerslev, E., 2014, The genome of a late Pleistocene human from a Clovis burial site in western Montana. *Nature*, v. 506, p. 225-229. (*I obtained the skeletal remains for study, helped design the research, and provided the archaeological interpretations.)

Jennings, T. A., and **Waters, M. R.**, 2014, Pre-Clovis lithic technology at the Debra L. Friedkin site, Texas: comparisons to Clovis through site-level behavior, technological trait-list, and cladistics analysis. *American Antiquity*, v. 79, p. 25-44.

Driese, S. G., Nordt, L. C., **Waters, M. R.**, and Keene, J. L., 2013, Analysis of site formation history and potential disturbance of stratigraphic context in Vertisols at the Debra L. Friedkin archaeological site in central Texas, USA. *Geoarchaeology: An International Journal*, v. 28, p. 221-248.

Goebel, T., Smith, H. L., DiPietro, L., **Waters, M. R.**, Hockett, B., Graft, K. E., Gal, R., Slobodin, S. B., Speakman, R. J., Driese, S. G., and Rhode, D., 2013, Serpentine Hot Springs, Alaska: results of excavations and implications for the age and significance of northern fluted points. *Journal of Archaeological Science*, v. 40, p. 4222-4233.

Wright, D. K., **Waters, M. R.**, Loendorf, C., Woodson, M. K., Miles, W. D., and Darling, J. A., 2013, Late Archaic wells on the Gila River Indian Community, Arizona. *Journal of Archaeological Science*, v. 40, p. 45-57.

Waters, M. R., Stafford, T. W., McDonald, H. G., Gustafson, C., Rasmussen, M., Cappellini, E., Olsen, J. V., Szklarczyk, D., Jensen, L. J., Gilbert, M. T. P., and Willerslev, E., 2011, Pre-Clovis mastodon hunting 13,800 years ago at the Manis site, Washington. *Science*, v. 334, p. 351-353.

- Waters, M. R.**, Forman, S. L., Jennings, T. A., Nordt, L. C., Driese, S. G., Feinberg, J. M., Keene, J. L., Halligan, J., Lindquist, A., Pierson, J., Hallmark, C. T., Collins, M. B., and Wiederhold, J. B., 2011, The Buttermilk Creek Complex and the Origins of Clovis at the Debra L. Friedkin Site, Texas. *Science*, v. 331, p. 1599-1603.
- Waters, M. R.**, Daniel, S., Urista, J., and Bonnicksen, R., 2011, An Archaic wooden bowl from the Gulf Coastal Plain of Texas. *Bulletin of the Texas Archeological Society*, v. 82, p. 175-179.
- Wright, D. K., Forman, S. L., **Waters, M. R.**, and Ravesloot, J. C., 2011, Holocene eolian activation as a proxy for board-scale landscape change on the Gila River Indian Community, Arizona. *Quaternary Research*, v. 76, p. 10-21.
- Lindquist, A. K., Feinberg, J. M., and **Waters, M. R.**, 2011, Rock magnetic properties of a soil developed on an alluvial deposit at Buttermilk Creek, Texas, USA. *Geochemistry, Geophysics, Geosystems*, v. 12, doi:10.1029/2011GC003848.
- Goebel, T., Slobodin, Sergei B., **Waters, Michael R.**, 2010, New dates from Ushhki-1, Kamchatka, confirm 13,000cal BP age for earliest Paleolithic occupation: *Journal of Archaeological Science*, v. 37, p. 2640-2649.
- Waters, M. R.**, Forman, S. L., Stafford, T. W., and Foss, J., 2009, Geoarchaeological investigations at the Topper and Big Pine Tree sites, South Carolina: *Journal of Archaeological Science*, v. 36, p. 1300-1311.
- Waters, M. R.**, Stafford, T. W., Jr., Redmond, B. G., and Tankersley, K. B., 2009, The age of the Paleoindian assemblage at Sheriden Cave, Ohio: *American Antiquity*, v. 74, no. 1, p. 107-111.
- Tankersley, K. B., **Waters, M. R.**, and Stafford, T. W., 2009, Clovis and the American Mastodon at Big Bone Lick, Kentucky: *American Antiquity*, v. 74(3), p. 558-567.
- Feinberg, J. M., Renne, P. R., **Waters, M. R.**, Arroyo-Cabrales, J., Ochoa-Castillo, P., and Perez-Campa, M., 2009, Age Constraints on Alleged 'Footprints' Preserved in the Xalnene Tuff near Puebla, Mexico: *Geology*, v. 37, p. 267-270.
- Waters, M. R.**, 2008, Alluvial chronologies and archaeology of the Gila River drainage basin, Arizona: *Geomorphology*, v. 101, p. 332-341.
- Waters, M. R.**, Wiersema, J., and Stafford, T. W., 2008, A geoarchaeological evaluation of an early human burial from Brazoria County, Texas: *Journal of Archaeological Science*, v. 35, p. 2425-2433.

- Collins, M. B., **Waters, M. R.**, Goodyear, A. C., Stanford, D. J., Pertierra, T., and Goebel, T., 2008, Paleoamerican origins workshop: a brief report: *Current Research in the Pleistocene*, v. 25, p. 195-197.
- Goebel, T., **Waters, M. R.**, and O'Rourke, D. H., 2008, The Late Pleistocene Dispersal of Modern Humans in the Americas: *Science*, v. 319, p. 1497-1502.
- Waters, M. R.**, and Stafford, T. W., 2007, Redefining the age of Clovis: Implications for the peopling of the Americas: *Science*, v. 315, p. 1122-1126.
- Gingerich, J. A. M., and **Waters, M. R.**, 2007, New dates from the Shawnee-Minisink site, Pennsylvania: *Current Research in the Pleistocene*, v. 24, p. 90-92.
- Hildebrand, J. A., Wiggins, S. M., Driver, J. L., and **Waters, M. R.**, 2007, Rapid seismic reflection imaging at the Clovis period Gault site in central Texas: *Archaeological Prospection*, v. 14, p. 245-260.
- Renne, P. R., Feinberg, J. M., **Waters, M. R.**, Arroyo-Cabrales, J., Ochoa-Castillo, P., Perez-Campa, M., and Knight, K. B., 2005, Age of Mexican ash with alleged "footprints": *Nature*, v. 438, p. 7-8.
- Ravesloot, J. C., and **Waters, M. R.**, 2004, A Geoarchaeological approach to interpreting archaeological site patterning along the middle Gila River Valley, Arizona: *Journal of Field Archaeology*, v. 29, p. 203-214.
- Darling, J. A., Ravesloot, J. C., and **Waters, M. R.**, 2004, Village drift and riverine settlement: modeling Akimel O'Odham land use: *American Anthropologist*, v. 106, p. 282-295.
- Waters, M. R.** and Ravesloot, J. R., 2003, Disaster or catastrophe: human adaptation to high- and low-frequency landscape processes—a reply to Ensor, Ensor, and Devries: *American Antiquity*, v. 68, p. 400-405.
- Buvit, I., **Waters, M. R.**, Konstantinov, M. V., and Konstantinov, A. V., 2003, Geoarchaeological investigations at Studenoe, an Upper Paleolithic site in the Transbaikal region, Russia: *Geoarchaeology: An International Journal*, v. 18, p. 649-673.
- Goebel, T., **Waters, M. R.**, and Dikova, M., 2003, The archaeology of Ushki Lake, Kamchatka, and the Pleistocene peopling of the Americas: *Science*, v. 301, p. 501-505.
- Waters, M. R.**, and Haynes, C. V., 2001, Late Quaternary arroyo formation in the American Southwest: *Geology*, v. 29, p. 399-402.

- Waters, M. R.**, and Ravesloot, J. C., 2001, Landscape change and the cultural evolution of the Hohokam along the middle Gila River and other river valleys in south-central Arizona: *American Antiquity*, v. 66, p. 285-299.
- Waters, M. R.**, 2000, Alluvial stratigraphy and geoarchaeology in the American Southwest: *Geoarchaeology: An International Journal*, v. 15, p. 537-557.
- Waters, M. R.**, and Ravesloot, J. C., 2000, Late Quaternary geology of the middle Gila River, Gila River Indian Reservation, Arizona: *Quaternary Research*, v. 54, p. 49-57.
- Goebel, T., and **Waters, M. R.**, 2000, New AMS ¹⁴C ages for the Tolbaga Upper Paleolithic site, Transbaikal, Siberia: *Current Research in the Pleistocene*, v. 17, p. 32-34.
- Goebel, T., **Waters, M. R.**, Buvit, I., Konstantinov, M. V., and Konstantinov, A. V., 2000, Studenoe-2 and the origins of microblade technologies in the Transbaikal, Siberia: *Antiquity*, v. 74, p. 567-575.
- Goebel, T., **Waters, M. R.**, and Meshcherin, M. N., 2000, Masterov Kliuch—An early Upper Paleolithic site in the Transbaikal, Siberia: *Asian Perspectives*, v. 39, p. 47-71.
- Waters, M. R.**, Byrd, B., and Reddy, S., 1999, Geoarchaeological investigations of San Mateo and Las Flores Creeks, California: Implications for coastal settlement models: *Geoarchaeology: An International Journal*, v. 14, p. 289-306.
- Waters, M. R.**, Forman, S., and Pierson, J., 1999, Late Quaternary geology and geochronology of Diring Yuriakh: An Early Paleolithic site in central Siberia: *Quaternary Research*, v. 51, p. 195-211.
- Pearl, F. B., and **Waters, M. R.**, 1999, A geoarchaeological assessment of alluvial valleys at Camp Pendleton with an overview of the important natural site formation processes: *Pacific Coast Archaeological Quarterly*, v. 35, p. 19-32.
- Waters, M. R.**, 1998, The effect of landscape and hydrologic variables on the prehistoric Salado: Geoarchaeological investigations of the Tonto Basin, Arizona: *Geoarchaeology: An International Journal*, v. 13, p. 105-160.
- Waters, M. R.**, 1998, The Sulphur Spring stage of the Cochise Culture and its place in Southwestern prehistory: *The Kiva*, v. 64, p. 115-135.
- Waters, M. R.**, Forman, S., and Pierson, J., 1997, Diring Yuriakh: A Lower Paleolithic site in central Siberia: *Science*, v. 275, p. 1281-1284.
- Waters, M. R.**, Forman, S., and Pierson, J., 1997, Evaluation of the stratigraphy and age of Diring Yuriakh: a Lower Paleolithic site in central Siberia: *Current Research in the Pleistocene*, v. 14, p. 87-89.

- Waters, M. R.**, and Kuehn, D. D., 1996, The geoarchaeology of place: The effect of geological processes on the preservation and interpretation of the archaeological record: *American Antiquity*, v. 61, p. 483-497.
- Waters, M. R.**, and Nordt, L., 1995, Late Quaternary floodplain history of the Brazos River, in Texas: *Quaternary Research*, v. 43, issue 3, p. 311-319.
- Nordt, L. C., Boutton, T. W., Hallmark, C. T., **Waters, M. R.**, 1994, Late Quaternary vegetation and climate changes in central Texas based on stable carbon isotopes: *Quaternary Research*, v. 41, p. 109-120.
- Waters, M. R.**, Giardino, J. R., Ryter, D., and Parrent, J. M., 1993, Geoarchaeological investigations of St. Ann's Bay, Jamaica: The search for the Columbus Caravels and an assessment of 1000 years of human land use: *Geoarchaeology: An International Journal*, v. 8, p. 259-279.
- Waters, M. R.**, 1991, The geoarchaeology of gullies and arroyos in southern Arizona: *Journal of Field Archaeology*, v. 18, p. 141-159.
- Ellis, G. L., and **Waters, M. R.**, 1991, Cultural and landscape influences on Tucson Basin Hohokam settlement: *American Anthropologist*, v. 93, p. 125-137.
- Largent, F. B., Jr., **Waters, M. R.**, and Carlson, D. L., 1991, The spatiotemporal distribution and characteristics of Folsom projectile points in Texas: *Plains Anthropologist*, v. 36, p. 323-341.
- Waters, M. R.**, and Woosley, A. I., 1990, The geoarchaeology and Archaic prehistory of the Willcox Basin, southeastern Arizona: *Journal of Field Archaeology*, v. 17, p. 163-175.
- Largent, F. B., Jr., and **Waters, M. R.**, 1990, The distribution of Folsom points in Texas: *Current Research in the Pleistocene*, v. 7, p. 27-28.
- Woosley, A. I., and **Waters, M. R.**, 1990, Reevaluation of early Cochise artifact associations with Pleistocene Lake Cochise, southeastern Arizona: *American Antiquity*, v. 55, p. 360-366.
- Waters, M. R.**, 1989, Late Pleistocene and Holocene lacustrine history and paleoclimatic significance of pluvial Lake Cochise, southern Arizona: *Quaternary Research*, v. 32, p. 1-11.
- Waters, M. R.**, 1989, Late Quaternary pluvial episodes of Lake Cochise Arizona: *Current Research in the Pleistocene*, v. 6, p. 93-95.

- Waters, M. R.**, 1988, Holocene alluvial geology and geoarchaeology of the San Xavier reach of the Santa Cruz River, Arizona: *Geological Society of America Bulletin*, v. 100, p. 479-491.
- Waters, M. R.**, 1988, Impact of fluvial adjustments on archaeological sites and settlement patterns along the San Xavier Reach of the Santa Cruz River, Arizona: *Geoarchaeology: An International Journal*, v. 3, p. 205-219.
- Waters, M. R.**, 1988, Implications of the alluvial record of the Santa Cruz River to the discovery of Paleo-Indian and early Archaic sites in the Tucson Basin, Arizona: *Current Research in the Pleistocene*, v. 5, p. 98-99.
- Waters, M. R.**, 1986, The Sulphur Spring phase and its place in New World prehistory: *Quaternary Research*, v. 25, p. 251-256.
- Waters, M. R.**, 1986, Sulphur Springs Woman: An early human skeleton from southeastern Arizona: *American Antiquity*, v. 51, p. 361-365.
- Waters, M. R.**, and Field, J. J., 1986, Geomorphic analysis of Hohokam settlement patterns on alluvial fans along the western flank of the Tortolita Mountains, Arizona: *Geoarchaeology: An International Journal*, v. 1, p. 329-345.
- Waters, M. R.**, 1985, Late Quaternary alluvial stratigraphy of Whitewater Draw, Arizona: Implications for regional correlation of fluvial deposits in the American Southwest: *Geology*, v. 13, p. 705-708.
- Waters, M. R.**, 1985, Early Holocene occupation along Whitewater Draw, southeastern Arizona: The Sulphur Spring stage: *Current Research in the Pleistocene*, v. 2, p. 31-33.
- Waters, M. R.**, 1983, Late Holocene lacustrine chronology and archaeology of ancient Lake Cahuilla, California: *Quaternary Research*, v. 19, no. 3, p. 373-387.
- Waters, M. R.**, 1983, Man and Pleistocene Lake Cahuilla, California: *Journal of New World Archaeology*, v. 5, no. 3, p. 1-3.

Refereed Book Chapters

- Waters, M. R.**, and Stafford, T. W., Jr., 2014, The First Americans: a review of the evidence for the Late-Pleistocene peopling of the Americas, in Graf, K. E., Ketron, C. V., and Waters, M. R., eds., *Paleoamerican Odyssey*: College Station, Texas A&M University Press, p. 541-560.

- Ravesloot, J. C., Darling, J. A., and **Waters, M. R.**, 2009, Hohokam and Pima-Maricopa irrigation agriculturalists: Maladaptive or resilient societies, in Fisher, C., Hill, J. B., and Feinman, G., eds., *The Archaeology of Environmental Change: Socionatural Legacies of Degradation and Resilience*: Tucson, University of Arizona Press, p. 232-245.
- Waters, M. R.**, 2009, Archaeological Excavations of the Center Hill Site (SDM W-179), San Diego County, California, in Kaldenberg, R. L., ed., *Something Resembling an Anthropologist: Papers in Memory of Paul Ezell*: Redlands, California, San Bernardino County Museum Association, Quarterly, Volume 54, No. 4, p. 53-73.
- Waters, M. R.**, 2008, Alluvial chronologies and archaeology of the Gila River Drainage Basin, Arizona, Fluvial Deposits and Environmental History: Geoarchaeology, Paleohydrology, and Adjustment to Environmental Change, in Hudson, P. F., Butzer, K. W., and Beach, T., eds., *Proceedings of the 39th Annual Binghamton Geomorphology Symposium*: Amsterdam, Elsevier, p. 332-341.
- Waters, M. R.**, 2006, Prehistoric human response to landscape changes in the American Southwest, in Doyel, D. E., and Dean, J. S., eds., *Environmental Change and Human Adaptation in the Ancient American Southwest*: Albuquerque, University of New Mexico Press, p. 26-45.
- Waters, M. R.**, 2004, The role of geoarchaeology in the search for the first Americans, in Lepper, B. T., and Bonnicksen, R., eds., *New Perspectives on the First Americans*: College Station, Center for the Study of the First Americans, Texas A&M University, p. 187-192.
- Waters, M. R.**, 2003, Dating late Quaternary alluvial stratigraphic sequences, in Howard, A. J., Macklin, M. G., and Passmore, D. G., eds., *Alluvial Archaeology in Europe*: Lisse, The Netherlands, Swets & Zeitlinger B.V., p. 305-312.
- Waters, M. R.**, 1990, Late Quaternary alluvial stratigraphy and early Holocene archaeology of Whitewater Draw, Arizona, in Donahue, J. D., and Lasca, N. P., eds., *Archaeological Geology of North America*: Boulder, Colorado, Geological Society of America Centennial Special Volume 4, p. 315-322.
- Waters, M. R.**, 1990, The Sulphur Spring - Clovis Controversy, in Derevyenko, A. P., ed., *Chronostratigraphy of the Paleolithic in North, Central, East Asia and America*: Novosibirsk, U.S.S.R., U.S.S.R. Academy of Sciences, p. 249-254.
- Waters, M. R.**, and Haynes, C. V., 1987, Archaeological geology of Paleo-Indian sites in southeastern Arizona, in Davis, G. H., and Vanden Dolen, E. M., eds., *Geologic Diversity of Arizona and its Margins: Arizona Bureau of Geology and Mineral Technology Special Paper 5*: Tucson, Arizona, p. 212-220.

- Waters, M. R.**, 1985, Early man in the New World: An evaluation of the radiocarbon dated pre-Clovis sites in the Americas, in Mead, J. I., and Meltzer, D., eds., *Environments and Extinctions: Man in Late Glacial North America*: Orono, Center for the Study of Early Man, University of Maine, p. 125-143.
- Waters, M. R.**, 1982, Ceramic data from Lowland Patayan sites, in McGuire, R. H., and Schiffer, M. B., eds., *Hohokam and Patayan: Prehistory of Southwestern Arizona*: New York, Academic Press, p. 571-580.
- Waters, M. R.**, 1982, The Lowland Patayan ceramic tradition, in McGuire, R. H., and Schiffer, M. B., eds., *Hohokam and Patayan: Prehistory of Southwestern Arizona*: New York, Academic Press, p. 275-298.
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- Waters, M. R.**, 2012, *Principles of Geoarchaeology*. Tokyo, Asakura Press, Japan, 326 p.
- Waters, M. R.**, Pevny, C. D., and Carlson, D. L., 2011, *Clovis Lithic Technology: Investigation of a Stratified Workshop at the Gault Site, Texas*. College Station, Texas A&M University Press, 226 p.
- Waters, M. R.**, 2004, *Lone Star Stalag: German Prisoners of War at Camp Hearne*. College Station, Texas A&M University Press, 268 p.
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Refereed Monographs

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Waters, M. R., 1986, The Geoarchaeology of Whitewater Draw, Arizona. *University of Arizona Anthropological Papers no. 45*: Tucson, University of Arizona Press, 81 p.

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Graf, K. E., Ketron, C. V., and **Waters, M. R.** (eds.), 2014, *Paleoamerican Odyssey*. College Station, Texas A&M University Press, 573 p.

Graf, K. E., Ketron, C. V., and **Waters, M. R.** (eds.), 2013, *Paleoamerican Odyssey*. College Station, Center for the Study of the First Americans, Texas A&M University, 573 p.

Bonnichsen, R., Lepper, B. T., Stanford, D., and **Waters, M. R.** (eds.), 2005, *Paleoamerican Origins: Beyond Clovis*. College Station, Center for the Study of the First Americans, Texas A&M University, 367 p.

Refereed Geologic Maps

Loen, J. S., and **Waters, M. R.**, 1988, Geologic map of the Pioneer District, Powell County, Montana. *U. S. Geological Survey Open-File Report 87-0346*, 1 map.

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Wallace, C. A., Schmidt, R. G., **Waters, M. R.**, Lidke, D. J., and French, A. B., 1981, Preliminary geologic map of parts of the Butte 1 X 2 degree quadrangle, Montana. *U. S. Geological Survey Open-File Report 81-1030*, 3 sheets.

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Waters, M. R., 1999, Review of Rapp, G., Jr., and Hill, C. L., *Geoarchaeology: The Earth-Science Approach to Archaeological Interpretation*, 1998. *Geoarchaeology: An International Journal*, vol. 14, p. 365-369.

Waters, M. R., 1996, Review of Bettis, E. A. (ed.), *Archaeological Geology of the Archaic Period in North America*, 1995. *Geoarchaeology: An International Journal*, vol. 11, p. 512-513.

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Waters, M. R., 1987, Review of Rosen, A. M., *Cities of Clay: The Geoarchaeology of Tells*, 1986. *The American Association of Stratigraphic Palynologists Newsletter*.

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Waters, M. R., 1986, Comment on "Late Quaternary alluvial stratigraphy of Whitewater Draw, Arizona: Implications for regional correlation of fluvial deposits in the American Southwest": Reply: *Geology*, v. 14, p. 627.

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- Wright, David K. and **Waters, Michael R.**, 2011, *Results of Geomorphic Test Excavations Along the Middle Gila River Within the Gila River Indian Community, Arizona*. Gila River Indian Community, P-MIP Report No. 11.
- Wright, D., **Waters, M. R.**, and Loendorf, C., 2010, *Geoarchaeological Testing of McClellan Wash and Archaic Wells, Gila River Indian Community, Arizona*: P-MIP Technical Report 2008-04. Gila River Indian Community, Cultural Resources Program, Sacaton, Arizona.
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- Waters, M. R.**, 1987 Geomorphic investigations of the bajada near Corona De Tucson, Arizona, in Huckell, B. B., Tagg, M. D., and Huckell, L. W., eds., *The Corona De Tucson Project: Prehistoric Use of a Bajada Environment*: Tucson, Arizona State Museum Archaeological Series, no. 174, p. 297-306.
- Waters, M. R.**, 1987, Geomorphic reconnaissance of Mission Creek, California, in Altschul, J. H., and Shelley, S. D., eds., *Yamisevuh, An Archaeological Treatment Plan and Testing Report for CA-RIV-269, Riverside County, California*: Statistical Research Technical Series No. 9, p. 134-137.
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- Waters, M. R.**, 1986, *A brief geomorphic reconnaissance of the western piedmont of the Tucson Mountains, Arizona*: Report prepared for the Arizona State Museum, Arizona.
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- Waters, M. R.**, 1983, Geology and paleoenvironmental reconstruction, in Rice, G. E., ed., *The Picacho Reservoir Archaic Complex: A Research Design*: Tempe, Arizona State University Anthropological Field Studies Number 5, p. 27-32.

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Popular Articles

Waters, M. R., 2013, Paleoamerican Odyssey: A special conference about the First Americans. *Mammoth Trumpet*, v. 28(1), p. 4-7.

Waters, M. R., 2013, Paleoamerican Odyssey: the big picture! *Mammoth Trumpet*, v. 28(2), p. 10-11.

Waters, M. R., Goebel, T., and Graf, K., 2013, Paleoamerican Odyssey. *Mammoth Trumpet*, v. 28(3), p. 1.

Waters, M. R., 2009, Who got here first? *Spirit, Texas A&M Foundation*, v. 10, no. 2, p. 22-25.

Shafer, H. J., and **Waters, M. R.**, 2000, *Archaeological Legacy at Peaceable Kingdom Retreat for Children, Bell County, Texas*. Peaceable Kingdom Retreat for Children, Temple, Texas.

Waters, M. R., 2000, Proving Pre-Clovis: Criteria for confirming human antiquity in the New World: *Scientific American Discovering Archaeology*, v. 2, no. 1, p. 47-49.

Waters, M. R., 2000, The role of geology in the search for the first Americans: *Archaeology Southwest*, v. 14, p. 4-5.

RESEARCH GRANTS

Private Foundations

Geological Society of America	\$1,200
• <i>Investigations of Lake Cahuilla, CA</i> , 1979 (PI, MS Thesis)	
Great Basin Foundation, CA	\$3,500
• <i>Investigations of Lake Cahuilla, CA</i> , 1979 (PI, MS Thesis)	
Wenner-Gren Foundation for Anthropological Research	\$10,000
• <i>Geoarchaeological Investigations of Whitewater Draw, Arizona</i> , 1982 (PI, PhD Dissertation)	

National Geographic Society	\$31,000
<ul style="list-style-type: none"> • <i>Geoarchaeological Investigations of the Lower Paleolithic Diring Yuriak Site, Siberia</i>, 1993 (PI) • <i>Archaeological and Geoarchaeological Investigations of the Page-Ladson site, Aucilla River, Florida</i>, 2012 (PI) 	
Elfrieda Frank Foundation	\$125,000
<ul style="list-style-type: none"> • <i>Excavations at the Page-Ladson Site, Florida</i>, 2012 (PI) • <i>Excavations at the Page-Ladson Site, Florida</i>, 2014 (PI) • <i>Excavations at the Ryan-Harley Site, Florida</i>, 2015 (PI) • <i>Excavations at the Debra L. Friedkin Site, Florida</i>, 2016 (PI) 	
Felburn Foundation	
<ul style="list-style-type: none"> • <i>Dating Early Sites in Florida</i>, 2016 (PI) 	\$25,000
 <u>State of Texas</u>	
Texas Higher Education Coordinating Board	\$184,000
<ul style="list-style-type: none"> • Advanced Research Program, <i>Earliest Migration of Homo erectus into Asia during the Lower Pleistocene</i> (with Whalen, N.), 1989 • Advanced Research Program, <i>Geoarchaeological Investigations of Paleolithic Sites along the Lena and Aldan Rivers, Central Siberia</i>, 1993 (PI) • Advanced Research Program, <i>The Gault Site: Art and Archaeology of the Earliest Texans</i>, 1999 (PI) 	
Texas Historical Commission, Texas Preservation Trust Fund Grant	\$10,000
<ul style="list-style-type: none"> • <i>Archaeological Investigations of the Gault site, Texas</i>, 1999 (PI) 	
 <u>Federal Agencies</u>	
National Park Foundation, Shared Beringia Heritage Program	\$33,100
<ul style="list-style-type: none"> • <i>Early Humans on the Bering land Bridge: A Proposal to Test the Fluted Point Locality near Serpentine Hot Springs, Seward Peninsula, Alaska</i>, (with Goebel, T.), 2008 	
National Science Foundation	\$346,500
<ul style="list-style-type: none"> • <i>Early Humans on the Bering Land Bridge: A Proposal to Investigate the Fluted-Point Site at Serpentine Hot Springs, Alaska</i> (with Goebel, T. and Graf, K.), 2011 • <i>Geoarchaeological Investigations into Paleoindian Adaptations at the Aucilla River, Northwest Florida</i>, (PI, Dissertation support for J. Halligan), 2010. • <i>What is the Nenana Complex? New Excavations at the Late-Pleistocene</i> 	

- *Owl Ridge Site, Central Alaska* (with Graf, K. and Goebel, T.), 2009
- *Geoarchaeology and dating climatic events in the middle Rio Negro Valley, Argentina* (PI, Dissertation support for H. Luchsinger), 2004
- *Ushki-1 and the Pleistocene Peopling of America* (with Goebel, T.), 2000

Texas A&M University

- Center for Teaching Excellence Incentive Grant, 1996–1998
- College of Liberal Arts Summer Research Award, 1987–1989
- College of Liberal Arts Faculty Fellowship, 2001–2003
- College of Liberal Arts, Strategic Development Fund, 2011, 2012, 2014
- Faculty Development Leave, 1992, 1997, 2003, 2008, 2014
- Glasscock Center for Humanities Research, Humanitarians Informatics Grant Program, PaleoAmerican Artifact Digital Archive, 2004
- Interdisciplinary Research Initiatives Program, 1995, 1996, 1997, 1999
- International Enhancement Grant, 1989
- Mini-Grant, 1991, 1993, 1995, 2001

RESEARCH CONTRACTS

Research contracts have been awarded from eight agencies and organizations: \$750,000

- Arizona Department of Transportation
- Gila River Indian Reservation, Arizona
- Texas Department of Transportation
- U.S. Army Corps of Engineers
- U.S. Bureau of Land Management
- U.S. Bureau of Reclamation
- U.S. Department of Defense
- U.S. Geological Survey

PERMANENT ENDOWMENT DEVELOPMENT

- ***Center for the Study of the First Americans*** \$2.35 million
2002, Worked with Rob Bonnicksen to establish the Center for the Study of the First Americans at Texas A&M University. Center Endowment of \$1.6 million moved from Oregon State University. Enhanced with \$700,000 additional endowment funding from the Bingham Trust and TAMU.
- ***North Star Archaeological Research Program*** \$4.0 million
2002, Negotiated the established the North Star Archaeological

Research Program. This permanent endowment was created by a gift from Joe and Ruth Cramer. This endowment generates \$60,000 in research funding annually.
 2005, Negotiated a \$3.0 million bequest from Joe and Ruth Cramer. When the funds are received, \$240,000 in annual research funding will be generated by this fund.

- ***Roy J. Shlemon Student Field Geoarchaeology Fund*** \$2.275 million
 2007, Negotiated the establishment of a student research fund. \$25,000 is added annually to this fund by Dr. Shlemon. Currently, \$10,000 in annual earnings are being dispersed to students.
 2016, Negotiated a \$2.0 million bequest from Roy Shlemon. When The funds are received, \$130,000 in annual funding for students Will be generated by this fund.
- ***Center for the Study of the First Americans Research Endowment*** \$1.0 million
 2008, Negotiated a \$1.0 million bequest from a single donor. When the funds are received, \$60,000 in annual research funding will be generated.
- ***Frank Parrish Excellence Endowment*** \$50,000
 2013, Negotiated a bequest for discretionary funds to be used to support the mission of the Center.
- ***Paleoamerican Odyssey Excellence Endowment*** \$175,000
 2014, Endowment was created from the *Paleoamerican Odyssey* Conference. \$9,000 is generated annually to support student research and educational activities.
- ***The Robert and Sharon Wilson Outreach Endowment*** \$500,000
 2015, Negotiated the establishment of a fund to help with the Center’s public and professional outreach mission. \$30,000 is generated annually for outreach.
- ***B.T. Price Research and Education Endowment*** \$3.0 million
 2016, Endowment was created from a bequest received in 2016. \$150,000 is generated annually for research and education.
- ***The Bryan Smith Excellent Endowment*** \$500,000
 2016, Negotiated the establishment of a fund to support Center research, education, and outreach. \$30,000 is generated annually in support of Center activities.

ONE-TIME PRIVATE DONATIONS TO THE CENTER

- On-time Gifts to Support Center Research and other activities. \$525,000
2005-2015.

PRESENTATIONS

Keynote Presentations (*Invited International and National*)

Waters, M. R., 2015, *In Search of the First Americans: The Archaeological and Genetic Evidence for the Peopling of the Americas at the End of the Last Ice Age*. Keynote Lecture, First Floridians II: First Americans Conference, Monticello, Florida.

Waters, M. R., 2014, *In Search of the First Americans: The Archaeological and Genetic Evidence for the Peopling of the Americas at the end of the Last Ice Age*. Keynote Lecture, Oregon Archaeological Society, Portland Oregon.

Waters, M. R., 2014, *In Search of the First Americans: The Archaeological and Genetic Evidence for the Ice Age Peopling of the Americas*. Keynote Lecture, New England Antiquities Research Association 50th annual meeting, Nashua, New Hampshire.

Waters, M. R., 2012, *First Floridians—First Americans*. Keynote Lecture, First Floridians: First Americans Conference, Monticello, Florida.

Waters, M. R., 2012, *In Search of the First Americans*. Keynote Lecture, Louisiana Archaeological Society annual meeting, Baton Rouge, Louisiana.

Waters, M. R., 2012, *Searching for the First Americans*. Keynote Lecture, Baylor College of Arts & Sciences and the Office of the Vice Provost for Research, Baylor University, Texas.

Waters, M. R., 2011, *In Search of the First Americans*. Keynote Lecture, Texas Archaeological Society annual meeting, Fort Worth, Texas.

Waters, M. R., 2010, *The First Americans: A View from the Gault and Buttermilk Creek Sites, Texas*. Keynote Lecture, Evolution of the High-Latitude Northern Hemisphere Conference, University of Maine, Orono.

Waters, M. R., 2009, *A geoarchaeological approach to the peopling of the Americas: site context and formation at the Gault and Buttermilk Creek sites, Texas, U.S.A*. Keynote Lecture, Geoarchaeology: From Landscape to Laboratory and Back Again, University of Sheffield, England.

Waters, M. R., 2008, *The First Americans: A View from the Gault and Buttermilk Creek Sites, Texas*. Keynote Lecture presented at the annual H. Marie Wormington Lecture, Museum of Nature and Science, Denver, Colorado.

Waters, M. R., 2000, *Alluvial stratigraphy and geoarchaeology in the Southwestern United States*. Keynote Lecture, Distinguished International Visiting Scholar, The alluvial archaeology of north-west Europe and the Mediterranean, University of Leeds, England.

Plenary Presentations (*Invited National and International Special Conferences*)

Waters, M. R., 2014, *In Search of the First Americans: the archaeological evidence for the peopling of the Americas at the end of the last Ice Age*. Symposium on Human Origins II, Santa Barbara Museum of Natural History, Santa Barbara, California.

Waters, M. R., 2014, *Clovis and Pre-Clovis Occupation of the Americas*. Early Colonization and Peopling of the New World Symposium, University of Missouri.

Waters, M. R., 2013, *In Search of the First Americans—what the Friedkin site, Texas, Manis site, Washington, and others tell us about the First Americans*. Paleoamerican Odyssey Conference, Santa Fe, New Mexico.

Waters, M. R., 2012, *In Search of the First Americans—What the Friedkin Site, Texas, and Manis Site, Washington Tell us About the First Americans*. Pre-Clovis Conference, National Museum of Natural History, Smithsonian Institution, Washington, D.C.

Waters, M. R., 2008, *Alluvial Chronologies and Geoarchaeology in the American Southwest*. Annual Binghamton Geomorphology Symposium, “Fluvial Deposits and Environmental Change,” Austin, Texas.

Waters, M. R., 2007, *New Radiocarbon Dates for Clovis – Implications for the Peopling of the Americas*. International Science Conference: Defining Parameters of Scientific Inquiry and Cultural Affiliation, Houston, Texas.

Waters, M. R., Forman, S. L., Stafford, T. W., and Foss, J. E., 2005, *Geoarchaeological Investigations at the Topper and Big Pine Sites, South Carolina*. Clovis in the Southeast Conference, Columbia, South Carolina.

Waters, M. R., 2002, *Geoarchaeological Investigations at the Gault Clovis site, Texas*. Early Man in America and their implications on the Peopling of the Basin of Mexico, National Museum of Anthropology, Mexico City.

Waters, M. R., 2002, *Geoarchaeological Investigations at the Topper site, South Carolina*. Ice Age Man in South Carolina: the Allendale-Topper Site Conference, University of South Carolina, Columbia.

Waters, M. R., 1999, *A Geoarchaeological Approach to the study of Early Archaeological Sites in the western United States*. Clovis and Beyond Conference, Santa Fe, New Mexico.

Waters, M. R., 1990, *The Sulphur Spring - Clovis Controversy*. Paper presented at Chronostratigraphy of the Paleolithic in Asia and America at the Institute of History, Philology, and Philosophy, U.S.S.R. Academy of Sciences, Novosibirsk, U.S.S.R.

Waters, M. R., 1986, *Geoarchaeology of Arid Fluvial Systems in the American Southwest*. Geological Society of America Penrose Conference on Archaeological Geology.

Invited University Presentations—International

Waters, M. R., 2016, *Archaeological and Genetic Evidence for the Late Pleistocene Peopling of the Americas*. University of Calgary, Canada.

Waters, M. R., 2013, *Clovis and Pre-Clovis Occupation of the Americas*. Natural History Museum of Denmark, University of Copenhagen, Denmark.

Waters, M. R., 2013, *In Search of the First Americans*. Tokyo Metropolitan University, Japan.

Waters, M. R., 2012, *In Search of the First Americans*. Seoul National University, Korea.

Waters, M. R., 2010, *The First Americans: A View from the Gault and Buttermilk Creek Sites, Texas*. University of Leicester, United Kingdom.

Waters, M. R., 2009, *The First Americans: Clovis Dating and a Pre-Clovis Discovery at the Buttermilk Creek Site, Texas*. Institute for the History of Material Culture, Russian Academy of Sciences, St. Petersburg, Russia.

Waters, M. R., 2000, *Geoarchaeological Investigations at the Gault Clovis site, Texas, U.S.A.* University of Leeds, England.

Invited University Presentations—United States

Waters, M. R., 2016, *Archaeological and Genetic Evidence for the Late Pleistocene Peopling of the Americas*. Invited Lecture, University of Minnesota, Minneapolis, Minnesota.

Waters, M. R., 2016, *Archaeological and Genetic Evidence for the Late Pleistocene Peopling of the Americas*. Invited Lecture, Baylor University, Waco, Texas.

Waters, M. R., 2015, *In Search of the First Americans: The Archaeological and Genetic Evidence for the Peopling of the Americas*. Invited Lecture, Vanderbilt University, Nashville, Tennessee.

- Waters, M. R.**, 2013, *In Search of the First Americans: new evidence from North America*. Princeton University, New Jersey.
- Waters, M. R.**, 2012, *In Search of the First Americans*. Sam Houston State University, Huntsville, Texas.
- Waters, M. R.**, 2010, *Pre-Clovis Sites in the Americas: Manis Mastodon Site, Washington and Hueyatenco Site, Mexico*. University of Maine, Orono.
- Waters, M. R.**, 2007, *Geoarchaeology: The Application of Geological Concepts and Methods to Interpret the Past*. University of Texas, Dallas, Texas.
- Waters, M. R.**, 2005, *Geoarchaeological investigations along the middle Gila River, Arizona*. Southern Methodist University, Dallas, Texas.
- Waters, M. R.**, 2002, *Geoarchaeological and archaeological investigations at the Gault site, Texas*. Washington University, St. Louis, Missouri.
- Waters, M. R.**, 2002, *Geoarchaeological investigations of alluvial environments in southern Arizona*. Washington University, St. Louis, Missouri.
- Waters, M. R.**, 2001, *Alluvial Geoarchaeology in the American Southwest*. Arizona State University, Tempe, Arizona.
- Waters, M. R.**, 1999, *Alluvial stratigraphic studies in the American Southwest: An example from the middle Gila River, Arizona*. University of Arizona, Tucson, Arizona.
- Waters, M. R.**, 1999, *Geoarchaeological studies at Diring Yuriakh, Siberia*. University of Illinois, Chicago.
- Waters, M. R.**, 1998, *Geoarchaeological studies at Diring Yuriakh*. Baylor University, Waco, Texas.
- Waters, M. R.**, 1994, *Geoarchaeological investigations at the Diring site, Siberia*. Russian Arctic Land-Shelf Systems Conference, Byrd Polar Research Center, Ohio State University, Columbus, Ohio.

Invited University Presentations—Texas A&M University

- Waters, M. R.**, 2008, *The Earliest Texans: Geoarchaeological and Archaeological Investigations of the Gault and Buttermilk Creek Sites*. Lecture presented at the Annual Professor Emeritus Lecture in Geography, Texas A&M University, College Station, Texas.

Waters, M. R., 2006, *Geoarchaeology. The Application of Geological Concepts and Methods to Interpret the Past*. Lecture presented at the annual Dr. George Carter, Sr. Geography Seminar, Texas A&M University, College Station, Texas.

Waters, M. R., 2006, *Lone Star Stalag: German Prisoners of War at Camp Hearne, Texas*. Lecture presented at the Fallon-Marshall Lecture, Clayton Williams Alumni Center, Texas A&M University, College Station, Texas.

Conference Presentations (*Annual National and International Meetings*)

Waters, M. R., 2016, The first Americans south of the continental ice sheets—correlating the late Pleistocene archaeological and genetic records. Paper presented at the 81st Annual Meeting of the Society for American Archaeology, Orlando, Florida.

Halligan, J., and **Waters, M. R.**, 2016, Flooding, drought, fires and extinctions: how did Florida's foragers respond to the Pleistocene-Holocene transition? Paper presented at the 81st Annual Meeting of the Society for American Archaeology, Orlando, Florida.

Waters, M. R., 2015, Building a meaningful first Americans radiocarbon chronology. Paper presented at the 80th Annual Meeting of the Society for American Archaeology, San Francisco, California.

Perrotti, A., **Waters, M. R.**, and Halligan, J., 2015, Paleoenvironmental change and megafaunal extinctions at Page-Ladson Florida. Paper presented at the 80th Annual Meeting of the Society for American Archaeology, San Francisco, California.

Halligan, J., **Waters, M. R.**, and Smith, M., 2015, Preserved Paleoindian site potential and regional geological patterns in Florida's karst rivers. Paper presented at the 80th Annual Meeting of the Society for American Archaeology, San Francisco, California.

Bourne, M. D., Feinberg, J. M., **Waters, M. R.**, and Stafford, T. W., 2015, Geomagnetic secular variation in Texas over the last 17,000 years: High-intensity geomagnetic field 'spike' observed at ca. 3000 cal BP. Paper presented at the 48th Annual Meeting of the American Geophysical Union, San Francisco, California.

Waters, M. R., 2014, *The North Star Archaeological Research Program 2002-2014*. Paper presented at the 79th Annual Meeting of the Society for American Archaeology, Austin, Texas.

Jennings, T. W., and **Waters, M. R.**, 2014, *Paleoindians in Central Texas: Research at the Debra L. Friedkin and Hogeye Sites*. Paper presented at the 79th Annual Meeting of the Society for American Archaeology, Austin, Texas.

- Waters, M. R.**, 2013, *An Examination of Clovis and Goshen Chronology*. Paper presented at the 78th Annual Meeting of the Society for American Archaeology, Honolulu, Hawaii.
- Amorosi, T., **Waters, M. R.**, and Stafford, T., 2013, New AMS dates, Ground Sloth Dens and Horse meals at Fell's Cave and Pali Aike Rockshelter, from the Magallanes of southern Chile. Poster presented at the Paleoamerican Odyssey Conference, Santa Fe, New Mexico.
- Feinberg, J., Nadel, M., **Waters, M. R.**, and Goodyear, A. C., 2013, The rock magnetic record across the 12.9 ka Younger Dryas Boundary: evidence of an impact? Poster presented at the Paleoamerican Odyssey Conference, Santa Fe, New Mexico.
- Fergusson, J., Fergusson, T., Hinz, E., and **Waters, M. R.**, 2013, Geophysics and geoarchaeological characterization of the Topper site, South Carolina. Poster presented at the Paleoamerican Odyssey Conference, Santa Fe, New Mexico.
- Kooyman, B., **Waters, M. R.**, Hills, L. V., and Stafford, T. W., 2013, Refined dating of the horse and camel kills at the Wally's Beach site, Canada. Poster presented at the Paleoamerican Odyssey Conference, Santa Fe, New Mexico.
- Torres-Solis, O., Ochoa-Castillo, P., **Waters, M. R.**, and Arroyo-Cabrales, J., 2013, Recent findings in the Hueyatlaco site, Puebla, Mexico. Poster presented at the Paleoamerican Odyssey Conference, Santa Fe, New Mexico.
- Waters, M. R.**, 2012, *The Emerging Archaeological Pattern in North America from 13,000 to 15,500 cal yr B.P.—A Viewpoint from the Debra L. Friedkin Site, Texas and Manis Site, Washington*. Paper presented April 21, 2012 at the 77th Annual Meeting of the Society for American Archaeology, Memphis, Tennessee.
- Nadel, M., Feinberg, J. M., **Waters, M. R.**, 2012, *The Rock Magnetic Record Across the 12.9 ka Younger Dryas Boundary: Evidence of Impact?* Annual Meeting of the American Geophysical Union, San Francisco, CA.
- Nordt, L., Driese, S. G., Forman, S. L., **Waters, M. R.**, *Abrupt Eco-Climate Transitions During Pre-Clovis Occupation along the Gulf Coastal Plain of Texas*. Annual Meeting of the Geological Society of America, Charlotte, NC.
- Carlson, D., **Waters, M. R.**, and Pevny, C., 2012, *Spatial Organization of Clovis Lithic Production at the Gault Site Area 8*. Paper presented April 19, 2012 at the 77th Annual Meeting of the Society for American Archaeology, Memphis, Tennessee.
- Jennings, T., and **Waters, M. R.**, 2012, *The Hogeye Clovis Cache, Texas*. Poster presented April 20, 2012 at the 77th Annual Meeting of the Society for American Archaeology, Memphis, Tennessee.

- Nadel, M., Feinberg, J. M., **Waters, M. R.**, 2012, *The Rock Magnetic Record Across the 12.9 ka Younger Dryas Boundary: Evidence of Impact?* Annual Meeting of the American Geophysical Union, San Francisco, CA.
- Waters, M. R.**, 2011, *Clovis Chronology and Origins*. Paper presented at the 76th Annual Meeting of the Society for American Archaeology, Sacramento.
- Waters, M. R.**, 2011, *Electronic Symposium: Constructing a Database of Late Pleistocene/Early Holocene Archaeological ¹⁴C Dates from South and Central America*. Paper presented at the 76th Annual Meeting of the Society for American Archaeology, Sacramento.
- Graf, K., Goebel, T., **Waters, M. R.**, Smith, H., 2011, *Was Clovis in Beringia? Current Status of Fluted Point Archaeology in Alaska*. Paper presented at the 76th Annual Meeting of the Society for American Archaeology, Sacramento.
- Younie, A., Smith, H., Goebel, T., **Waters, M. R.**, and Graf, K., 2011, *The Fluted-Point Locality near Serpentine Hot Springs, Alaska: Archaeological Investigations during the 2010 Field Season*. Poster presented at the 76th Annual Meeting of the Society for American Archaeology, Sacramento.
- Wright, D., Darling, J. A., Fertelmes, C., Forman, S., **Waters, M. R.**, 2011, *The Archaeology of Dust: Historical Roots of a Modern Problem*. Paper presented at the 76th Annual Meeting of the Society for American Archaeology, Sacramento.
- Lindquist, A., Feinberg, J. M., and **Waters, M. R.**, 2011, *Rock Magnetic Properties of an Alluvial Soil at Buttermilk Creek, Texas, USA and Their Bearing on the Proposed 12.9 KA Cometary Impact*. Paper presented at the Annual Meeting of the Geological Society of American, Minneapolis.
- Driese, S. G., Nordt, L. C., Stinchcomb, G. E., Graf, K. E., Goebel, T., and **Waters, M. R.**, 2011, *Applications of soil micromorphology, pedology and geochemistry to interpreting potential for disturbance of stratigraphic context at geoarchaeological sites: Texas Vertisols and Alaskan Gelisols*. Paper presented at the Developing International Geoarchaeology Conference, Knoxville, TN.
- Waters, M. R.**, 2010, *Geomorphic and Human Response to the Younger Dryas at the Buttermilk Creek Site and other localities in Central Texas*. Paper presented at the 75th Annual Meeting of the Society for American Archaeology, St. Louis, Missouri.
- Keene, J. L. and **Waters, M. R.**, 2010, *Geoarchaeological Site Formation Processes of a Weakly Developed Vertisol at the Buttermilk Creek Site, Texas*. Paper presented at the 75th Annual Meeting of the Society for American Archaeology, St. Louis, Missouri.

- Lindquist, A. K., Feinberg, J. M., and **Waters, M. R.**, 2009, *Environmental magnetic analysis of a Texas vertisol reveals a record of the Younger Dryas*. Paper presented at the Annual Meeting of the American Geophysical Union, San Francisco, California.
- Jennings, T., and **Waters, M. R.**, 2009, *The Paleoindian Sequence at the Buttermilk Creek Site*. Paper presented at the 74th Annual Meeting of the Society for American Archaeology, Atlanta, Georgia.
- Goebel, T., Wiederhold, J., and **Waters, M. R.**, 2009, *The Fenn Clovis Cache: New Analyses of Artifact Form and Function*. Paper presented at the 74th Annual Meeting of the Society for American Archaeology, Atlanta, Georgia.
- Waters, M. R.**, 2008, *The Archaeology, Stratigraphy, and Geochronology of the Hueyatenco Site, Mexico*. Paper presented at the 120th Annual Meeting of the Geological Society of America, Houston, Texas.
- Waters, M. R.**, Arroyo-Cabrales, J., Ochoa-Castillo, P., and Renne, P., 2008, *Geoarchaeological Investigations of the Hueyatenco Site, Valsequillo Reservoir, Mexico*. Symposium presentation at the 73rd Annual Meeting of the Society of American Archaeology, Vancouver, Canada.
- Keene, J., and **Waters, M. R.**, 2008, *Site Formation Processes at the Buttermilk Creek Site (41BL1239), Bell County, Texas*. Paper presented at the 73rd Annual Meeting of the Society of American Archaeology, Vancouver, Canada.
- Waters, M. R.**, 2007, *Geoarchaeological Investigations at the Gault site, Texas*. Symposium presentation at the 72nd Annual Meeting of the Society for American Archaeology, Austin, Texas.
- Waters, M. R.**, Shafer, H., and Carlson, D., 2007, *The Archaeology and Geoarchaeology of the Gault Site, Texas: Texas A&M University Excavations*. Paper presented at the 72nd Annual Meeting of the Society for American Archaeology, Austin, Texas.
- Feinberg, J., Renne, P., **Waters, M. R.**, Arroyo-Cabrales, J., Ochoa-Castillo, P., Perez-Campo, M., 2007, *Age of the Xalnene Ash, Central Mexico: A Rock Magnetic Perspective*. Paper presented at the American Geophysical Union Annual Meeting, Acapulco, Mexico.
- Renne, P. R., Feinberg, J. M., **Waters, M. R.**, Arroyo-Cabrales, J., Castillo, P. O., Campa, M. P., and Knight, K. B., 2005, *Age of the Xalnene Ash, Central Mexico and Archeological Implications*. Paper presented at the Annual Meeting of the American Geophysical Union, San Francisco, California.
- Waters, M. R.**, and Shafer, H. J., 2004, *Physiographic setting and geoarchaeological investigations at the Gault site*. Paper presented at the 69th Annual Meeting of the Society for American Archaeology, Montreal, Canada.

- Forman, S., Collins, M., and **Waters, M.**, 2004, *Optically stimulated luminescence (OSL) dating of Clovis-artifact bearing sediments from southern Texas*. Paper presented at the 69th Annual Meeting of the Society for American Archaeology, Montreal, Canada.
- Driver, J. L., Wiggins, S. M., Hildebrand, J. A., and **Waters, M. R.**, 2004, *Shallow seismic reflection for paleotopography at the Clovis period Gault site in central Texas*. Paper presented at the 69th Annual Meeting of the Society for American Archaeology, Montreal, Canada.
- Onken, J., Ciolek-Torrello, R., Homburg, J. A., and **Waters, M. R.**, 2004, *Geoarchaeological investigations in the Phoenix Basin: Implications for explaining Hohokam irrigation systems*. Paper presented at the 69th Annual Meeting of the Society for American Archaeology, Montreal, Canada.
- Ravesloot, J. C., Darling, J. A., and **Waters, M. R.**, 2004, *The prehistoric and historic landscapes of the Gila River: Lessons learned from a decade of survey and geoarchaeological research*. Paper presented at the 69th Annual Meeting of the Society for American Archaeology, Montreal, Canada.
- Waters, M. R.**, 2003, *Late Quaternary Geology and Geoarchaeology of Alluvial Environments in Southern Arizona*. Paper presented at the 115th Annual Meeting of the Geological Society of America, Seattle, Washington.
- Ciolek-Torrello, R., Homburg, J., **Waters, M. R.**, and Onken, J., 2003, *Canals, Soils, Streamflow, and Settlement in the Western Phoenix Basin*. Paper presented at the 68th Annual Meeting of the Society for American Archaeology, Milwaukee, Wisconsin.
- Ravesloot, J. C., Leondorf, C., **Waters, M. R.**, and Adams, K. R., 2003, *Water Catchment Facilities in the Sonoran Desert*. Paper presented at the 68th Annual Meeting of the Society for American Archaeology, Milwaukee, Wisconsin.
- Waters, M. R.**, and Ravesloot, J. C., 2002, *Landscape change and its effect on prehistoric irrigation agriculturalists*. Paper presented at the 67th Annual Meeting of the Society for American Archaeology, Denver, Colorado.
- Goebel, T., **Waters, M. R.**, and Dikova, M., 2002, *The Ushki sites, Kamchatka, and the Pleistocene peopling of the Americas*. Paper presented at the 67th Annual Meeting of the Society for American Archaeology, Denver, Colorado.
- Ravesloot, J. C., and **Waters, M. R.**, 2002, *A geoarchaeological approach to interpreting site patterning on the middle Gila River Valley, Arizona*. Paper presented at the 67th Annual Meeting of the Society for American Archaeology, Denver, Colorado.

- Darling, J. A., Ravesloot, J. C., and **Waters, M. R.**, 2002, *Village drift, riverine settlement, and the cause for Hohokam-Piman continuity*. Paper presented at the 67th Annual Meeting of the Society for American Archaeology, Denver, Colorado.
- Waters, M. R.**, 2002, *Camp Hearne: The story of the World War II German prisoner of war camp at Hearne, Texas*. Paper presented at the first World War II-Era POW Conference, Muscatine, Iowa.
- Waters, M. R.**, and Shafer, H. J., 2001, *Geoarchaeological investigations at the Gault Clovis Site, Texas*. Paper presented at the 66th Annual Meeting of the Society for American Archaeology, New Orleans, Louisiana.
- Shafer, H. J., and **Waters, M. R.**, 2001, *Clovis archaeology at the Gault Site, Texas*. Paper presented at the 66th Annual Meeting of the Society for American Archaeology, New Orleans, Louisiana.
- Waters, M. R.**, and Ravesloot, J. C., 1999, *Geoarchaeological investigations of the middle Gila River, Gila River Indian Reservation, Arizona*. Paper presented at the 64th Annual Meeting of the Society for American Archaeology, Chicago, Illinois.
- Waters, M. R.**, 1998, *The first Siberians: Geoarchaeological studies at Diring Yuriakh*. Paper presented at the 63rd Annual Meeting of the Society for American Archaeology, Seattle, Washington.
- Kuehn, D. D., and **Waters, M. R.**, 1998, *Dynamic landscape change as a significant agent in archaeological site formation: physical and interpretive examples from the Great Plains and Southwest*. Paper presented at the 63rd Annual Meeting of the Society for American Archaeology, Seattle, Washington.
- Neily, R. B., **Waters, M. R.**, Ravesloot, J. C., and Archer G., 1998, *Geoarchaeological studies on the Gila River Indian Community, Arizona*. Paper presented at the 63rd Annual Meeting of the Society for American Archaeology, Seattle, Washington.
- Presley, L., and **Waters, M. R.**, 1998, *A Preliminary Assessment of Information Gathered from Camp Hearne, A World War II Prisoner of War Camp*. Paper presented at the Annual Meetings of the Society for Historical Archaeology, Atlanta, Georgia.
- Waters, M. R.**, 1997, *Geoarchaeological studies at Diring Yuriakh: A Lower Paleolithic site in western Beringia*. Paper presented at the 62nd Annual Meeting of the Society for American Archaeology, Nashville, Tennessee.
- Waters, M. R.**, 1996, *The use of geoarchaeological methods to resolve the Sulphur Spring-Clovis relationship*. Paper presented at the 61st Annual Meeting of the Society for American Archaeology, New Orleans, Louisiana.

- Waters, M. R.**, and Rice, G., 1996, *Contributions of geoarchaeological studies to cultural resource management*. Paper presented at the 61st Annual Meeting of the Society for American Archaeology, New Orleans, Louisiana.
- Brodbeck, M., James, S. R., Ravesloot, J. C., and **Waters, M. R.**, 1996, *Hohokam settlement patterning and land use along the middle Gila River, Arizona*. Paper presented at the 61st Annual Meeting of the Society for American Archaeology, New Orleans, Louisiana.
- Waters, M. R.**, Forman, S., and Pierson, J., 1995, *Diring Yuriak: A Lower Paleolithic site in Central Siberia and its implications to the Pleistocene peopling of the Americas*. Paper presented at the 60th Annual Meeting of the Society for American Archaeology, Minneapolis, Minnesota.
- Waters, M. R.**, 1994, *Geoarchaeological investigations in the Tonto Basin, Arizona*. Paper presented at the 59th Annual Meeting of the Society for American Archaeology, Anaheim, California.
- Waters, M. R.**, 1993, *The role of geoarchaeology in archaeological research*. Paper presented at the 58th Annual Meeting of the Society for American Archaeology, St. Louis, Missouri.
- Waters, M. R.**, Giardino, J. R., and Parrent, J. M., 1993, *Geoarchaeological investigations of St. Ann's Bay, Jamaica: the search for the Columbus caravels and an assessment of 1000 years of human land use*. Paper presented at the 58th Annual Meeting of the Society for American Archaeology, St. Louis, Missouri.
- Waters, M. R.**, Giardino, J. R., and Parrent, J. M., 1993, *Geoarchaeological investigations of St. Ann's Bay, Jamaica*. Paper presented at the annual meeting of the Society for Historical Archaeology, Kansas City, Kansas.
- Nordt, L. C., Boutton, T. W., Hallmark, C. T., and **Waters, M. R.**, 1993, *Late Quaternary Vegetation and Climatic Changes in Central Texas Based on the Isotopic Composition of Organic Carbon*. Paper presented at the Annual Meeting of the Soil Science Society of America, Cincinnati, Ohio.
- Giardino, J. R., **Waters, M. R.**, Ryter, D., and Parrent, J. M., 1992, *Using geomorphology to reconstruct former historic shorelines in St. Ann's Bay, Jamaica: the search for Columbus' Caravels*. Paper presented at the Annual Meeting of the Association of American Geographers, San Diego, California.
- Waters, M. R.**, and Haywood, N. A., 1991, *Geomorphic setting of archaeological sites along the central portion of the Brazos River Valley, Texas*. Paper presented at the 56th Annual Meeting of the Society for American Archaeology, New Orleans, Louisiana.

- Waters, M. R.**, 1991, *The application of geoarchaeology to the Archaic period in the American Southwest*. Paper presented at the 104th Annual Meeting of the Geological Society of America, San Diego, California.
- Giardino, J. R., **Waters, M. R.**, Ryter, D., and Parrent, J. M., 1991, *Late Quaternary geology and geoarchaeology of St. Ann's Bay, Jamaica*. Paper presented at the 104th Annual Meeting of the Geological Society of America, San Diego, California.
- Whalen, N., Pease, D. W., and **Waters, M. R.**, 1991, *Archaeological Survey in southwest Yemen*. Paper presented at the 56th Annual Meeting of the Society for American Archaeology, New Orleans, Louisiana.
- Waters, M. R.**, 1990, *The Sulphur Spring and Cazador Stages of the Cochise Culture: A Geoarchaeological Reevaluation*. Paper presented at the 55th Annual Meeting of the Society for American Archaeology, Las Vegas, Nevada.
- Haywood, N. A., and **Waters, M. R.**, 1990, *Late Quaternary alluvial history of the Brazos River floodplain, Texas*. Paper presented at the 103rd Annual Meeting of the Geological Society of America, Dallas, Texas.
- Waters, M. R.**, and Woolsley A. I., 1989, *A Geoarchaeological Reevaluation of Early Cochise Culture Artifact Associations with Pleistocene Lake Cochise, Arizona*. Paper presented at the 54th Annual Meeting of the Society for American, Atlanta, Georgia.
- Ellis, G. L., and **Waters, M. R.**, 1989, *The geoarchaeology of place: an example from the Tucson Basin, Arizona*. Paper presented at the 54th Annual Meeting of the Society for American, Atlanta, Georgia.
- Steele, D. G., and **Waters, M. R.**, 1989, *Osteological analysis of human skeletal remains assigned to the Sulphur Spring Stage of the Cochise Culture (ca. 8,200-10,400 B.P.)*. Paper presented at the 54th Annual Meeting of the Society for American, Atlanta, Georgia.
- Waters, M. R.**, 1988, *Geoarchaeological interpretations of landscape change on the Santa Cruz River floodplain, Arizona*. Paper presented at the 53rd Annual Meeting of the Society for American Archaeology, Phoenix, Arizona.
- Waters, M. R.**, 1988, *The Impact of late Holocene landscape processes and evolution on Hohokam settlement patterns along the San Xavier reach of the Santa Cruz River, Arizona*. Paper presented at the 101st Annual Meeting of the Geological Society of America, Denver, Colorado.
- Waters, M. R.**, 1987, *Late Quaternary lacustrine stratigraphy; geochronology, and geoarchaeology of ancient Lake Cochise, Arizona*. Paper presented at the 100th Annual Meeting of the Geological Society of America, Phoenix, Arizona.

Waters, M. R., 1986, *Holocene alluvial geology and geoarchaeology of the San Xavier reach of the Santa Cruz River, Arizona*. Paper presented at the 99th Annual Meeting of the Geological Society of America, San Antonio, Texas.

Waters, M. R., 1985, *The Sulphur Spring phase and early New World prehistory*. Paper presented at the 50th Annual Meeting of the Society for American Archaeology, Denver, Colorado.

Waters, M. R., 1981, *Chronology and archaeology of Lake Cahuilla*. Paper presented at the 46th Annual Meeting of the Society for American Archaeology, San Diego, California.

Conference Presentations (Annual Regional Conferences)

Waters, M. R., 2012, *Enemy Mine: World War II POW Camps in Texas, An NPR Documentary* presented February 17, at the East Texas Historical Association Spring 2012 Meeting, College Station, Texas.

Younie, A., Goebel, T., Smith, H., Lynch, J. J., Graft, K. E., and **Waters, M. R.**, 2011, *Update on Continuing Excavations at the Serpentine Hot Springs Site, BEN-192, Alaska; Site Context and Dating*. Paper presented at the 38th Annual Conference of the Alaska Anthropological Association, Fairbanks, Alaska.

Keene, J., Sakamoto, T., Goebel, T., **Waters, M. R.**, and Gal, B., 2009, *A new buried and datable fluted site in Beringia: New information from Serpentine Hot Springs*. Paper presented at the 17th Annual Arctic Conference, Boulder, Colorado.

Smith, H., Goebel, T., Slobodin, S., **Waters, M. R.**, and Gal, B., 2009, *New dates from Ushki-1, Kamchatka, confirm 13,000 cal B.P. age for earliest Paleolithic Occupation*. Paper presented at the 17th Annual Arctic Conference, Boulder, Colorado.

Jennings, T., and **Waters, M. R.**, 2007, *Buttermilk Creek Clovis site: Recent Excavations and Future Directions*. Paper presented at the Texas Archaeological Society Annual Meeting, San Antonio, Texas.

Waters, M. R., 2007, *The Lone Star Stalag: The German POW Camp at Hearne, Texas*. Paper presented at the 8th Annual Historic Preservation Symposium, Center of Heritage Conservation, College of Architecture, Texas A&M University, College Station, Texas.

Goebel, T., **Waters, M.**, and Dikova, M., 2001, *The Ushki sites and the peopling of the Americas*. Paper presented at the Annual Meeting of the Alaska Anthropological Association, Anchorage, Alaska.

- Terry, K., Buvit, I., Goebel, T., **Waters, M.**, and Dikova, M., 2001, *Recent fieldwork at Ushki Lake, a Late Upper Paleolithic site in western Beringia*. Poster presented at the 54th Annual Northwest Anthropological Conference, Moscow, Idaho.
- Waters, M. R.**, and Shafer, H. J., 2000, *Geoarchaeological investigations at the Gault Clovis Site, Texas*. Paper presented at the Annual Meeting of the Texas Archaeological Society, Houston, Texas.
- Shafer, H. J., and **Waters, M. R.**, 2000, *Clovis archaeology at the Gault Site: Texas A&M University block excavation*. Paper presented at the Annual Meeting of the Texas Archaeological Society, Houston, Texas.
- Pearl, F., and **Waters, M. R.**, 1998, *The significance of geoarchaeological research at Camp Pendleton Marine Corps Base*. Paper presented at the Society for California Archaeology Annual Meetings, San Diego, California.
- Waters, M. R.**, 1994, *Principles of Geoarchaeology*. Lecture presented at the annual meeting of the Council of Texas Archaeologists, Austin, Texas.
- Giardino, J. R., **Waters, M. R.**, Ryter, D., and Parrent, J. M., 1992, *Using geomorphology to reconstruct former historic shorelines in St. Ann's Bay, Jamaica: the search for Columbus' Caravels*. Paper presented at the Annual Meeting of the National Council for Geographic Education, Santa Domingo.
- Waters, M. R.**, 1989, *Discussion of the early Archaic prehistory of Southeastern Arizona*. Paper presented at the Southwestern Archaic Conference, Lajitas, Texas.
- Waters, M. R.**, Howard, J., and Greenwald, D., 1988, *Radiometric dating of prehistoric irrigation features: progress and problems*. Paper presented at Arizona Archaeological Council meetings, Phoenix, Arizona, in symposium entitled: "Prehistoric Irrigation in Arizona."
- Jacob, J. S., and **Waters, M. R.**, 1988, *Pedo-geomorphic investigations of site 41HR273, Harris County, Texas*. Paper presented at Annual Texas Archaeological Society meetings, Houston, Texas.
- Waters, M. R.**, 1987, *Geomorphology and Climatology Session*. Chaired session at the Southwestern Association of American Geographers, Galveston, Texas.
- Waters, M. R.**, 1987, *Late Quaternary lacustrine history of pluvial Lake Cochise, Arizona*. Paper presented at the Southwestern Association of American Geographers, Galveston, Texas.

Loen, J. S., and **Waters, M. R.**, 1986, *Geology and origin of gold placers in the Pioneer District, Powell County, Montana*. Paper presented at the Rocky Mountain Section Meeting of the Geological Society of America.

SYMPOSIUM, FIELD TRIP, AND CONFERENCE ORGANIZATION

- 2013 Chair of organizing committee. Paleoamerican Odyssey Conference, Santa Fe, New Mexico. Three-day conference with 1200 attendees; banquet with 500 in attendance; 36 plenary presentations; 1 banquet presentation; 15 evening presentations; 193 poster presentations; 3 workshops; and 52 artifact exhibits.
- 2008 Co-organized Paleoamerican Origins Workshop, sponsored by the Smithsonian Institution, Southeastern Paleoindian Survey, and the Texas Archaeological Research Laboratories. Austin, Texas, February 14-16.
- 2007 Co-chair and organizer of the symposium “The Gault site, Texas: Results of the Texas A&M University Excavations.” 72nd Annual Meeting of the Society of American Archaeology, Austin, Texas.
- 2007 Co-chair and organizer of an official Society of American Archaeology Field Trip to the Gault site, Texas. Created a companion guidebook: “Excursion Guidebook: Gault Site” by M. Collins, M. Waters, R. Barnes, M. Gardner, C. Hemmings, J. Lohse, E. Prewitt, M. Shoberg, C. Timperley, and D. Wernecke. 72nd Annual Meeting of the Society for American Archaeology, Austin, Texas.
- 2006 Co-organized the INQUA/NSF Pleistocene Colonization of Arctic and Subarctic Siberia and Beringia, International Workshop, Texas A&M University, College Station, Texas, November 17-19.
- 2005 Co-organized and sponsored the Clovis in the Southeast Conference, Columbia, South Carolina, October 26-29.
- 1987 Organized an official Geological Society of America Field Trip to the San Pedro Valley and Whitewater Draw, Arizona. 100th Annual Meeting of the Geological Society of America, Phoenix, Arizona.

TEACHING

Courses Taught

Anth 202	Introduction to Archaeology
Anth 330	Field Research in Anthropology (Archaeological Field School)
Anth 401	Ice Age Humans in North America
Anth 489	Paleoindian Archaeology
Anth 489	Historic Archaeological Site Analysis
Anth 489	Prehistoric Site Analysis
Anth 630	Field Research in Anthropology (Archaeological Field School)
Anth 624/Geog 687	Geoarchaeology
Anth 689	Camp Hearne Site Analysis
Anth 689	Gault Site Analysis
Anth 689	First Americans Archaeology
Geog 203	Planet Earth: Introduction to Earth Systems Science (with Lab)
Geog 626	Fluvial Geomorphology
Geog 686	Quaternary Geomorphology
Geog 689	Field Methods in Geoarchaeology
Geog 689	Field Methods in Historical Geography

Student Projects Supervised

More than 400 undergraduate and graduate students have assisted me with field and laboratory research. They participated as field archaeological surveyors, site excavators, artifact processors, and artifact catalogers.

Graduate Students Advised

Tyler Laughlin, Ph.D. (2016-present), Chair, Graduate Committee.

Adam Burke, Ph.D. (2015-present), Chair, Graduate Committee.

Angelina Perrotti, Ph.D. (2014-present), Co-Chair, Graduate Committee.

Morgan Smith, Ph.D. (2013-present) Chair, Graduate Committee.

Lauren Cook, M.A. (2011-2016) Chair, Graduate Committee, Non-Thesis.

Jesse Tune, Ph.D. (2015) Chair, Graduate Committee, Dissertation: *Archaeological and Geoarchaeological Investigations of Paleoindian Sites in Tennessee and Kentucky.*

Kayla Schmalle, M.A. (2013) Chair, Graduate Committee, Thesis: *Geoarchaeological Investigation of the Coats-Hines Site (40WM31), Williamson County, Tennessee.*

- Jessi Halligan**, Ph.D. (2012) Chair, Graduate Committee, Dissertation: *Geoarchaeological Investigations into Paleoindian Adaptations on the Aucilla River, Northwest Florida.*
- Tom Jennings**, Ph.D. (2012) Chair, Graduate Committee, Dissertation: *Late Pleistocene Technological Organization at the Buttermilk Creek Site.*
- Josh Keene**, M.A. (2009) Chair, Graduate Committee, Thesis: *Site Formation Processes at the Buttermilk Creek Site (41BL1239), Bell County, Texas.*
- Charlotte Pevny**, Ph.D. (2009) Chair, Graduate Committee, Dissertation: *Clovis Lithic Debitage from Excavation Area 8 at the Gault Site (41BL323) Texas: Form and Function.*
- Juan Urista**, M.A. (2009) Chair, Graduate Committee, Thesis: *Stratigraphy and Geochronology of the Vernor Mammoth Site, Clute, Brazoria County, Texas.*
- Dawn Alexander**, M.A. (2008) Chair, Graduate Committee, Thesis: *Geoarchaeological Investigation of Natural Formation Processes to Evaluate Context of the Clovis Component at the Gault Site (41BL323), Bell County, Texas.*
- Victor Galan**, Ph.D. (2007) Chair, Graduate Committee, Dissertation: *The Hegar Cache (41HR1030).*
- Scott Minchak**, M.A. (2007) Chair, Graduate Committee, Thesis: *A Microwear Study of Clovis Blades from the Gault Site, Bell County, Texas.*
- Michael Aiuvalasit**, M.A. (2006) Chair, Graduate Committee, Thesis: *Geoarchaeological Investigations at the McNeill-Gonzales Site (41VT141), Victoria County, Texas.*
- Heidi Luchsinger**, Ph.D. (2006) Chair, Graduate Committee, Dissertation: *The Late Quaternary Landscape History of the Middle Rio Negro Valley, Northern Patagonia, Argentina: Its Impact on Preservation of the Archaeological Record and Influence on Late Holocene Settlement Patterns.*
- Ashley Smallwood**, M.A. (2006) Chair, Graduate Committee, Thesis: *Use-wear Analysis of the Clovis Biface Collection from the Gault Site in Central Texas.*
- William Dickens**, Ph.D. (2005) Chair, Graduate Committee, Dissertation: *Biface Reduction and Blade Manufacture at the Gault Site (41BL323): A Clovis Occupation in Bell County, Texas.*
- Heidi Luchsinger**, M.A. (2002) Chair, Graduate Committee, Thesis: *Micromorphological Analysis of the Sediments and Soils from the Gault Site, A Clovis Site in Central Texas.*
- Ian Buvit**, M.A. (2000) Chair, Graduate Committee, Thesis: *The Geoarchaeology and Archaeology of Stud'onoye, An Upper Paleolithic Site in Siberia.*

Brandy Gibson, M.A. (1997), Chair, Graduate Committee, Thesis: *The Geoarchaeology of Buttermilk Creek, Bell County, Texas.*

Frederick B. Pearl, M.A. (1997), Chair, Graduate Committee, Thesis: *Geoarchaeological Investigations of the Upper Lampasas River, Texas.*

Stanley Davis, Ph.D. (1996) Chair, Graduate Committee, Dissertation: *The Archaeology of the Yakutat Foreland: A Socioecological View.*

David D. Kuehn, Ph.D. (1995) Chair, Graduate Committee, Dissertation: *The Geoarchaeology of the Little Missouri Badlands: The Late Quaternary Stratigraphic and Paleoenvironmental Context of the Archaeological Record.*

Floyd Largent, M.A. (1987) Chair, Graduate Committee, Thesis: *The Prehistory of the Little Pin Oak Creek Site (41FY53), Fayette County, Texas.*

PROFESSIONAL SERVICE

Editorships

- General Editor, *The Mammoth Trumpet*, 2003–present
- General Editor, Center for the Study of the First Americans Book Series, 2003–present, 13 books published
- Editorial board member of the Anthropology Book Series, Texas A&M University Press, 1996–present
- Member, Texas A&M University Press Faculty Advisory Committee, 2002–present
- General Editor, *Current Research in the Pleistocene*, 2003–2011
- Editor, Geoarchaeology section, *Bulletin of the Society for Archaeological Sciences*, 1997–2000

Reviewing Services

Journals

- *Advances in Archaeological Method and Theory*
- *American Antiquity*
- *Antiquity*
- *Arctic Anthropology*
- *Boreas*
- *Bulletin of the Texas Archaeological Society*
- *Earth and Planetary Science Letters*
- *Geoarchaeology: An International Journal*
- *Geological Society of America Bulletin*
- *Global and Planetary Change*

- *Journal of Archaeological Method and Theory*
- *Journal of Archaeological Science*
- *Journal of Field Archaeology*
- *Journal of Quaternary Science*
- *PaleoAmerica*
- *PLOS ONE*
- *Proceedings of the National Academy of Sciences*
- *Quaternary International*
- *Quaternary Research*
- *Quaternary Science Reviews*
- *Radiocarbon*
- *Science*

Proposals

- Earthwatch
- National Endowment for the Humanities
- National Geographic Society
- National Science Foundation
- U.S. Army Corps of Engineers, Waterways Experiment Station

Tenure and Promotion Cases

- Oregon State University, Oregon, reviewer for promotion to full professor, 2016.
- University of Louisville, Kentucky, reviewer for promotion to full professor, 2015.
- University of Cincinnati, Ohio, reviewer for promotion to full professor, 2012.
- University of Texas, Dallas, reviewer for promotion to full professor, 2009.
- Smithsonian Institution, Washington, D.C., reviewer for promotion of Senior Curator of Paleoindian Archaeology. 2008
- University of Tennessee, Knoxville, reviewer for promotion to full professor, 2008
- University of North Dakota, Grand Forks, reviewer for tenure and promotion to Associate Professor, 2006

Books and Edited Volumes

- *Archaeology: A Brief Introduction* by Brian Fagan, reviewed book, 2001
- *Geoarchaeological Perspectives on the Plains*, University of Oklahoma Press, 1994
- Geological Society of America Centennial Special Volume Archaeological Geology of North America
- *Kennewick Man*, Texas A&M University Press, 2014.

Service to Organizations

- Scientific advisor, Keystone Archaeological Research Program, Oregon State University, 2008–present.

- Awards Committee, Archaeological Geology Division, the Geological Society of America, member 1994–1995, chair, 1996.
- Nominating Committee, Archaeological Geology Division, the Geological Society of America, member 1987–1989, chair 1990.
- Fryxell Award Committee, Society for American Archaeology, member 1999–2001, chair 2002.

PUBLIC SERVICE

Public Lectures

- Waters, M. R.**, 2013, *In Search of the First Americans*. Lecture presented to Southwest Seminars, Santa Fe, New Mexico.
- Waters, M. R.**, 2013, *In Search of the First Americans: the Ice Age colonization of the Americas*. Lecture presented to Texas Federal Tax Institute, San Antonio, Texas.
- Waters, M. R.**, 2012, *In Search of the First Ice Age Inhabitants of the Americas*. Lecture presented January 17, 2012 at The Science Café, Bryan, Texas.
- Waters, M. R.**, 2012, *In Search of the First Americans*. Lecture presented April 13 at the President’s Council of Advisors Meeting, Texas A&M University, College Station, Texas.
- Waters, M. R.**, 2011, *The First Americans: A New Perspective Based on Evidence from the Debra L. Friedkin Site, Texas*. Lecture presented at the Loveland Stone Age Fair, Loveland, Colorado.
- Waters, M. R.**, 2009, *The First Americans: A View from the Gault and Buttermilk Creek sites, Texas*. Lecture presented at the Loveland Stone Age Fair, Loveland, Colorado.
- Waters, M. R.**, 2009, *In Search of the First Americans: Recent Discoveries and the Role of Geology in the Pursuit of the Past*. Lecture presented at the Houston Geological Society Guest Night 2009, Houston, Texas.
- Waters, M. R.**, 2005, *Camp Hearne: German POWs in Texas*. Lecture presented for the opening of the Camp Hearne Exhibition at the Brazos Valley Museum of Natural History, Bryan, Texas.
- Waters, M. R.**, 2005, *Camp Hearne: The Story of German POWs in Texas During World War II*. Lecture presented at the George Bush President Library Issues Forum Speaker Series, College Station, Texas.

Waters, M. R., 2004, *Camp Hearne: The Story of German POWs in Texas During World War II*. Lecture presented at the Exploring History Lunch Lecture Series, City of College Station, Texas.

Waters, M. R., 2002, *Camp Hearne: German POW's in Texas*. Lecture presented at the Houston Archaeological Society, Houston, Texas.

Waters, M. R., 1997, *Geoarchaeological studies at Diring Yuriakh*. Lecture presented at the Houston Archaeological Society, Houston, Texas.

Waters, M. R., 1994, *Diring Yuriakh: an Early Paleolithic site in Siberia*. Lecture presented at the Houston Archaeological Society, Houston, Texas.

Waters, M. R., 1988, *Geoarchaeology in southern Arizona*. Lecture presented at the Houston Archaeological Society, Houston, Texas.

Museum Development and Management—Camp Hearne, Texas

In 2010, the Camp Hearne Museum in Hearne, Texas opened to the public. Camp Hearne is a World War II Prisoner of War Camp that housed thousands of German soldiers during World War II. The museum chronicles the story of World War II, the German POWs who were brought to Texas, and the contribution of the Texas home front during the war. The museum is open five days a week and there are semiannual history events at the museum.

The museum is the direct result of research undertaken by me in 1996 and 1997. A book about the camp, *Lone Star Stalag*, was published in 2004 with eight student authors. The museum displays the artifacts recovered from the site, as well as photographs and other items donated by private citizens.

Funding to build the museum came primarily from a U.S. Congressional appropriation in 2008 from Congressman Chet Edwards. We received our first operating endowment in 2014. I am a founding member of the “Roll Call, Friends of Camp Hearne,” a non-profit organization dedicated to the preservation of Camp Hearne (2002-present). I serve as a member of the Board of Directors of this organization and the museum.

I have been involved with many activities that currently take place at the camp. Below are some additional activities that took place before the opening of the museum.

- Co-organized the Camp Hearne Museum Exhibit, Hearne Chamber of Commerce, Hearne, Texas, 2006.
- Co-organized the Camp Hearne Exhibit at the Brazos Valley Natural History Museum, November 2005 – May 2006, Bryan, Texas.
- Participant, George Bush Library’s Celebration of the End of World War II, 2005.

- Advisor, the City of Hearne, Texas on the preservation of Camp Hearne and the preparation of a POW museum, 1999-2001.
- Advisor, the Hearne Heritage League on the preservation of Camp Hearne and the preparation of a POW museum, 1999-2000.
- Coordinated reunion of former POW's and former guards of Camp Hearne, 1999.

TEXAS A&M UNIVERSITY SERVICE

Center for the Study of the First Americans, Texas A&M University, College Station, Texas

Director, 2005–present

Associate Director, 2003-2004

North Star Archaeological Research Program

Executive Director, 2002-present

Texas A&M University Press

Faculty Advisory Committee, Member, 2005-2015

College of Liberal Arts, Texas A&M University, College Station, Texas

Center and Institute Directors Committee, 2016

Liberal Arts Council, Member, 2013-2015

Dean's Advisory Committee, Member, 2009-2010

Department of Anthropology Reorganization Committee, Member, 2010-2011

Academic Resources Committee, Member, 1986–1988

Academic Standards Committee, Member, 1991–1995

Graduation Ceremony Marshal, 1987, 2008, 2009

Department of Anthropology, Texas A&M University, College Station, Texas

Acting Department Head, 1987, 2008, 2009, 2010, 2011, 2015

Archaeology Program, Head, 2006–2008, 2011-2013, 2016-present

COOP Advisor, 1999–present

Curation Committee, Member, 2008–2010

Curriculum Committee, Member, 1989–1991, 1994–1997

Executive Committee, Member, 2005-present

Executive Council, Chair, 1987–1988, 1991–1993

Executive Council, Member, 1996–1998

Faculty Mentor to D. Carlson, 2007–present

Faculty Mentor to T. Goebel, 2007–2010

Faculty Mentor to S. Eckert, 2011-2014

Graduate Advisor, 1999–2003

Search Committee for Cultural Anthropologist, Member, 1988–1989

Search Committee for Physical Anthropologist, Member, 2002

Search Committee for the Associate Director, Center for the Study of the First Americans
and Associate Professor, Chair, 2005

Search Committee for Ancient Genetics, Member, 2014-2015
Southwest Archaic Symposium, Member Organizing Committee, 1988–1989
Special Space Committee, Member, 1994
Special Space Committee, Chair, 1986
Tenure and Promotion Committee, Member, 1991–present
Tenure and Promotion Committee, Chair, 2009 for Ted Goebel (promotion to Professor)
Tenure and Promotion Committee, Chair, 2011 for Lori Wright (promotion to Professor)
Tenure and Promotion Committee, Chair, 2015 for Cynthia Werner (promotion to Professor)
Tenure and Promotion Committee, Chair, 2016 for Kelly Graf (promotion to Associate Professor)
Tenure and Promotion Committee, Chair, 2016 for David Carlson (promotion to Professor)
Undergraduate Advisor, 1990 – 1993
United Way Drive, Chair, 1986

Department of Geography, Texas A&M University, College Station, Texas

Search Committee Department Head, Member, 1996
Search Committee for Deputy Dean, College of Geosciences and Maritime Studies, Member, 2002
Search Committee for Joint IODP–Geography Member, Chair, 2006
Search Committee for Physical Geographer, Member, 1988–1989
Search Committee for Surficial Processes Position, Member, 2006
Search Committee for Watershed Processes Position, Member, 2006
Tenure and Promotion Committee, Member, 1992 – present
Tenure and Promotion Committee, Chair, 2000, Vatche Tchakerian (promotion to Professor)
Tenure and Promotion Committee, Chair, 2002, David Cairns (promotion to Associate Professor)
Tenure and Promotion Committee, Chair, 2009, David Cairns (promotion to Professor)
Tenure and Promotion Committee, Chair, 2011, Inci Guneralp (tenure and promotion to Associate Professor)
Tenure and Promotion Committee, Chair, 2015, Steven Quiring (promotion to Professor)

Texas A&M University:

- Member, Association of Former Students Distinguished Achievement Awards Selection Committee, 2015
- Member, University Strategic Planning Committee, representing Anthropology, 2015