

VITA

MICHAEL R. WATERS

Professor of Anthropology and Geography
Holder of the Endowed 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

- 2005 – Present **Professor of Anthropology and Geography**
 Holder of the Endowed Chair in First Americans Studies
 Director, Center for the Study of the First Americans
 Executive Director, North Star Archaeological Research Program

- 2002 – 2004 **Professor of Anthropology and Geography**
Holder of the Endowed Professorship in First Americans Studies
Associate Director, Center for the Study of the First Americans
Executive Director, North Star Archaeological Research Program Texas
A&M University
- 1998 – 2002 **Professor**, Departments of Anthropology and Geography, Texas A&M
University
- 1991 – 1998 **Associate Professor**, Departments of Anthropology and Geography,
Texas A&M University
- 1986 – 1991 **Assistant Professor**, Departments of Anthropology and Geography,
Texas A&M University
- 1978 – 1985 **Geologist** (GS-9), U.S. Geological Survey, Denver, Colorado (part-time)

RESEARCH AND TEACHING INTERESTS

Peopling of the Americas, Geoarchaeology, Late Quaternary history, North America, Northeast Asia

INTERNATIONAL AWARDS AND HONORS

Rip Rapp Archaeological Geology Award, Geological Society of America, 2004, for outstanding contributions to the interdisciplinary field of archaeological geology.

Fellow, Geological Society of America, 2004. GSA members are elected to Fellowship in recognition of distinguished contributions to the geosciences.

Kirk Bryan Award, Geological Society of America, 2003, for a publication of distinction advancing the science of geomorphology or Quaternary geology. (Waters and Haynes 2001).

UNIVERSITY AND OTHER AWARDS AND HONORS

Texas A&M University and Association for Former Students University-level **Distinguished Achievement Award in Research**, 2012

Texas A&M University, **Newsmaker Image Award**. Annual Award, Division of Marketing & Communications, 2012.

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

Association of Former Students, Teaching Award, Texas A&M University, 1998

Evans B. Mayo Award, outstanding performance in field geology, University of Arizona, Department of Geosciences, 1977

Eagle Scout, Boy Scouts of America, Troop 874, San Diego County, California, 1970

PUBLICATIONS

Refereed Journal Articles

Waters, M. R., Stafford, T. W., Kooyman, B., and Hills, L. V., n.d., 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 Science*, under review.

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*, accepted for publication.

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. *Journal of World Prehistory*, accepted for publication.

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.

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.

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., Korneliussen, 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.
- 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.

- Raveslout, 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., Raveslout, 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 Raveslout, 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 Raveslout, 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 Raveslout, 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., 2013, 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, Center for the Study of the First Americans, Texas A&M University, 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.

Waters, M. R., 1982, The Lowland Patayan ceramic typology, in McGuire, R. H., and Schiffer, M. B., eds., *Hohokam and Patayan: Prehistory of Southwestern Arizona*: New York, Academic Press, p. 537-570.

Waters, M. R., 1982, Trail shrines at site SDM C-1, in McGuire, R. H., and Schiffer, M. B., eds., *Hohokam and Patayan: Prehistory of Southwestern Arizona*: New York, Academic Press, p. 533-536.

Refereed Monographs and Books

Waters, M. R., and Jennings, T. A., 2015, *The Hogeye Clovis Cache, Texas*. College Station, Texas A&M University Press, in press.

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.

Waters, M. R., 1992, *Principles of Geoarchaeology: A North American Perspective*: Tucson, University of Arizona Press, 398 p.

Wallace, C. A., Lidke, D. J., **Waters, M. R.**, and Obradovich, J. D., 1989, Rocks and structure of the southern Sapphire Mountains, Granite and Ravalli Counties, western Montana: *U.S. Geological Survey Bulletin 1824*, 29 p., 1 color geologic map.

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

Refereed Edited Volumes

Graf, K. E., Ketron, C. V., and **Waters, M. R.** (eds.), 2013, *Paleoamerican Odyssey*: College Station, Center for the Study of the First Americans, 573 p. (Reissued by the Texas A&M University Press in 2014)

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.

Wallace, C. A., Schmidt, R. G., Lidke, D. J. **Waters, M. R.**, and others, 1987, Preliminary Geologic Map of the Butte 1° x 2° Quadrangle, western Montana: *U.S. Geological Survey Open File Report OF-86-292*, 14 p., 1 map.

Elliot, J. E., **Waters, M. R.**, Campbell, W. L., and Avery, D. W., 1984, Mineral resource potential and geologic map of the Dolus Lakes roadless area, Powell and Granite Counties, Montana: *U.S. Geological Survey Miscellaneous Field Studies Map, MF-1640-A*, 16 p., 1 map.

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.

Book Reviews

Waters, M. R., 1999, Review of Herz, N., and Garrison, E. G., *Geological Methods for Archaeology*, 1998. *Geoarchaeology: An International Journal*, vol. 14, p. 365-369.

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.

Waters, M. R., 1995, Review of Beck, C., *Dating in Exposed and Surface Contexts*, 1994. *American Antiquity*, vol. 60, p. 768-769.

Waters, M. R., 1993, Review of Taylor, R. E., Long, A., and Kra, R. S. (eds.), *Radiocarbon After Four Decades: An Interdisciplinary Perspective*, 1992. *Geoarchaeology: An International Journal*, vol. 8, p. 251-252.

Waters, M. R., 1988, Review of Mahaney, W. C., *Quaternary Dating Methods*, 1984. *Geoarchaeology: An International Journal*, vol. 3, no. 4, p. 305-306.

Waters, M. R., 1988, Review of Rutter, N., *Dating Methods of Pleistocene Deposits and Their Problems*, 1985. *Geoarchaeology: An International Journal*, vol. 3, no. 4, p. 305-306.

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

Replies and Comments

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Waters, M. R., and Stafford, T. W., 2007, Response to Comment on "Redefining the age of Clovis: Implications for the Peopling of the Americas": *Science*, v. 317, p. 320.

Waters, M. R., Forman, S. L., and Pierson, J. M., 1999, More about Diring Yuriakh: Unsolved geoarchaeological problems at a 'Lower' Paleolithic site in central Siberia: Comment: *Geoarchaeology: An International Journal*, v. 14, p. 361-364.

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Contracts and Technical Reports

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, Geomorphologic investigations on the Yuma Proving Grounds, Arizona, in Effland, R. W., Schilz, A. J., and Jertberg, P. R., eds., *Archaeological Investigations on the Yuma Proving Ground, The Direct Fire Weapons Range, Phase II*: San Diego, Westec Services, p. A.1-A.11.
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- Waters, M. R.**, 1987, Preliminary report on the geological field investigations of the late Quaternary geoarchaeology of ancient Lake Cochise, Arizona, in Woosley, A. I., Price, T. J., and Kriebel, D. C., eds., *Archaeological Survey of the Sulphur Springs Valley, Southeastern Arizona*: Amerind Foundation Publications no. 12, p. 162-168.
- 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.

- Waters, M. R.**, 1986, Geomorphological investigations of the Picacho study area, Arizona, in Bayham, F. E., Morris, D. H., and Shackley, M. S., eds., *Prehistoric Hunters-Gatherers of South Central Arizona. The Picacho Reservoir Archaic Project*: Tempe, Arizona State University Anthropological Field Studies number 15, p. 17-36.
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- Waters, M. R.**, Pritchett, L., Lowe, G., and Eckhardt, W., 1979, Environmental setting, in Gallegos, ed., *Cultural Resource Inventory East Mesa and West Mesa regions, Imperial Valley, California, v. 1*: San Diego, Westec Services, Inc., p. 5-34.

RESEARCH GRANTS

Geological Society of America
 Great Basin Foundation
 Hearne Heritage League
 International Research and Exchange Board
 National Geographic Society
 National Park Foundation
 National Science Foundation

Sigma Xi
Texas A&M University
Texas Higher Education Coordinating Board Grant
Texas Historical Commission
Wenner-Gren Foundation for Anthropological Research

RESEARCH CONTRACTS

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

ENDOWMENT DEVELOPMENT

Total Endowments Raised: \$10.4 million
Total One-Time Gifts Raised: \$450,000

LECTURES

Invited International and National Special Event Lectures

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

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 address presented at “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 address presented as the Distinguished International Visiting Scholar at “The alluvial archaeology of north-west Europe and the Mediterranean,” University of Leeds, England.

Invited Texas A&M University Special Event Lectures

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.

Invited International University Lectures

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

Waters, M. R., 2013, *In Search of the First Americans.* Special lecture presented at Tokyo Metropolitan University.

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

Waters, M. R., 2010, *The First Americans: A View from the Gault and Buttermilk Creek Sites, Texas.* Invited paper presented at the University of Leicester, December 8, 2010, Leicester, United Kingdom.

Waters, M. R., 2009, *The First Americans: Clovis Dating and a Pre-Clovis Discovery at the Buttermilk Creek Site, Texas*. Lecture presented at the 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.* Special lecture presented at the School of Geography, University of Leeds, England.

Invited United States University Lectures

Waters, M. R., 2013, *In Search of the First Americans: new evidence from North America*. Invited lecture at Princeton University, New Jersey.

Waters, M. R., 2012, *In Search of the First Americans*. Invited Lecture sponsored by Baylor College of Arts & Sciences and the Office of the Vice Provost for Research, Baylor University, Texas, October 11.

Waters, M. R., 2012, *In Search of the First Americans*. Invited Lecture presented February 8, at the History Department, Sam Houston State University, Huntsville, Texas.

Waters, M. R., 2010, *The First Americans: A View from the Gault and Buttermilk Creek Sites, Texas*. Keynote address presented at the *Environmental Change and Human Settlement of High Latitudes Session* of the Evolution of the High-Latitude Northern Hemisphere special conference, November 3, 2010, University of Maine, Orono.

Waters, M. R., 2010, *Pre-Clovis Sites in the Americas: Manis Mastodon Site, Washington and Hueyatlaco Site, Mexico*. Lecture presented at the University of Maine, Orono.

Waters, M. R., 2007, *Geoarchaeology: The Application of Geological Concepts and Methods to Interpret the Past*. Lecture presented at the University of Texas, Dallas, Texas.

Waters, M. R., 2002, *Geoarchaeological and archaeological investigations at the Gault site, Texas*. Lecture presented at Washington University, St. Louis, Missouri.

Waters, M. R., 2002, *Geoarchaeological investigations of alluvial environments in southern Arizona*. Lecture presented at Washington University, St. Louis, Missouri.

Waters, M. R., 2001, *Alluvial Geoarchaeology in the American Southwest*. Lecture presented at Arizona State University, Tempe, Arizona.

Waters, M. R., 1999, *Alluvial stratigraphic studies in the American Southwest: An example from the middle Gila River, Arizona*. Lecture presented at University of Arizona, Tucson, Arizona.

Waters, M. R., 1999, Geoarchaeological studies at Diring Yuriakh, Siberia. Lecture presented at the University of Illinois, Chicago.

Waters, M. R., 1998, Geoarchaeological studies at Diring Yuriakh. Lecture presented at Baylor University, Waco, Texas.

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*. Presented at the 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*. Invited presentation at the Early Colonization and Peopling of the New World symposium and workshop, 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*. Presented at the 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*. Invited Lecture at the Pre-Clovis Conference, November 9-10, National Museum of Natural History, Smithsonian Institution, Washington, D.C.

Waters, M. R., 2008, *Alluvial Chronologies and Geoarchaeology in the American Southwest*. Paper presented at the 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*. Paper presented at the International Science Conference: Defining Parameters of Scientific Inquiry and Cultural Affiliation, Houston, 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.

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*. Paper presented at the Clovis in the Southeast Conference, Columbia, South Carolina.

- Waters, M. R.**, 2002, *Geoarchaeological investigations at the Gault Clovis site, Texas*. Paper presented at 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, *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.**, 2002, *Geoarchaeological investigations at the Topper site, South Carolina*. Paper presented at the 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*. Paper presented at The Clovis and Beyond Conference, Santa Fe, New Mexico.
- Waters, M. R.**, 1994, *Geoarchaeological investigations at the Diring site, Siberia*. Paper presented at the Russian Arctic Land-Shelf Systems Conference, Byrd Polar Research Center, Ohio State University, Columbus, Ohio.
- 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.**, 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."
- Waters, M. R.**, 1987, *An Introduction to geoarchaeology and the impacts of site burial*. Paper presented at U.S. Army Corp of Engineers interdisciplinary workshop on the physical-chemical-biological processes affecting archaeological sites, College Station, Texas.
- Waters, M. R.**, 1986, *Geoarchaeology of arid fluvial systems in the American Southwest*. Paper presented at the Geological Society of America Penrose Conference on Archaeological Geology.
- Waters, M. R.**, 1986, *Holocene alluvial geology and geoarchaeology of the San Xavier reach of the Santa Cruz River, Arizona*. Paper presented at the Geological Society of America Penrose Conference on Archaeological Geology.

Annual National and International Conferences

- 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 Hueyatlatco 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.**, 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 Yuriakh: 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 Woosley 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.

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.
- 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.
- 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 Paleoamerican Odyssey Conference, Santa Fe, New Mexico. Chair of organizing committee. 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.

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 200 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

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

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

Lauren Cook, Ph.D. (2011-present) Chair, Graduate Committee.

Jesse Tune, Ph.D. (2010-present) 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 Aiualasit**, 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.*

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.*