

Brian D. Nicholls, M.S., RPA

UWM-Cultural Resource Management

Principal Investigator

Senior Archaeologist-Archaeology/GIS Coordinator

Department of Anthropology

University of Wisconsin-Milwaukee

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Education

1997 Master of Science (Anthropology), University of Wisconsin-Milwaukee, Milwaukee, Wisconsin

1991 Bachelor of Arts (Anthropology), University of Wisconsin-Milwaukee, Milwaukee, Wisconsin

2000 Geographic Information Systems (GIS) certificate (Department of Urban Planning), University of Wisconsin-Milwaukee, Milwaukee, Wisconsin

Current Position

Sept. 1997- present Principal Investigator/Senior Archaeologist-Archaeology/GIS Coordinator
UWM-Cultural Resource Management (formerly Historic Resource Management Services), University of Wisconsin-Milwaukee

Responsibilities include project and fiscal management, instruction and supervision of staff and management of operations of the HRMS contract program. Serve as GIS coordinator/manager for the UW-Milwaukee Archaeology Research Laboratory.

- Direct and manage multiple, concurrent phase I, II and III cultural resource management projects throughout the upper Great Lakes /Eastern Woodland region
- Develop project budget proposals
- Fiscal management of program finances for projects totaling up to \$1,500,000 annually
- Report preparation and compilation
- Conduct artifact analysis
- Conduct extensive archival and literature review
- Develop and maintain of GIS spatial database for analysis in reports and research driven projects
- Instruct and supervise staff comprised of limited term employees and students during field and laboratory research
- Develop and maintain databases for project and site management
- Served as consultant for clients, state agencies, local communities and Native American groups
- Information technology liaison between the Anthropology Department and the College of Letters and Science and University of Wisconsin-Milwaukee campus information technology department

Certifications/Training Courses/Seminars

- *Intro to ArcGIS 8.1.* June 18-19, 2003. Milwaukee, Wisconsin.

- *Intro to Programming ArcObjects with VBA*. July 28 – August 1, 2003. Milwaukee, Wisconsin.
- *JavaScript Basic Part 1*. August 4, 2003. Milwaukee, Wisconsin.
- *CGI Programs*. August 5, 2003. Milwaukee, Wisconsin.
- Section 106: An Introduction, April 16 – 18, 2002, Madison, Wisconsin.

Archaeological Experience

1992-1997 Research Assistant/Field Supervisor, Great Lakes Archaeological Research Center, Inc., Milwaukee, Wisconsin.

- Supervise field investigations and laboratory research
- Archivist/researcher

1991-1992 Field Technician, Great Lakes Archaeological Research Center, Inc., Milwaukee, Wisconsin.

- Conduct field investigations and laboratory research

Related Experience

- Development of real-time digital mapping strategies for archaeological sites using GIS and digital imagery.
- GIS coordinator/surveyor for the UW-Milwaukee Achillbeg Research Project, County Mayo, Ireland
- Development of GIS database for archaeological site management along State Highway 57 corridor in Brown, Kewaunee, and Door Counties, Wisconsin.
- Analysis of mortuary patterns of Late Archaic disposal areas in Wisconsin using GIS.
- Website design and metadata development for a neighborhood GIS application on the Internet: *The Lindsay Heights Internet Model*.
- Implementation and analysis of archaeological site information and other environmental factors using GIS, Ozaukee County, Wisconsin for the Southeastern Wisconsin Archaeology Program (Wisconsin State Historical Society – Region 9).
- Analysis of borrow pit areas from the Cahokia Mounds State Historic Site using infrared digital imagery
- Registered with the Wisconsin Historical Society as qualified to excavate human remains
- Lithic analysis
- Archival and historical research of Native American Tribal Boundaries within the Geographic and Regulatory Limits of the U. S. Army Corps of Engineers St. Paul District.
- Completion of HAER documentation for the Fox River Lock and Dam System, Appleton, Wisconsin.
- Completion of National Park Service Form 10-990, Determination of Eligibility.
- Archaeological research on selected dredge disposal locations along the Mississippi River
- Geoarchaeological investigations along the Mississippi River
- Cartographer, Cartographic Services Laboratory, University of Wisconsin-Milwaukee.
- Design, construction, and installation of the WisDOT Highway Archaeology display located in the Prairie du Chien Visitor Center, Prairie du Chien, Wisconsin
- Geoarchaeological/Sub-surface archaeological investigations of Perry Creek, Woodbury County, Iowa.

- Development of several websites including: Historic Resource Management Services, Wisconsin Archeological Society and UW-Milwaukee Archaeology Research Lab

Professional Memberships

- Wisconsin Land Information Association
- Society of American Archaeology
- Midwest Archaeological Conference
- Wisconsin Archaeological Society
- Wisconsin Archaeological Survey
- Michigan Archaeological Society

Conference Presentations, Papers and Posters

2011 (Poster) A Comparative Perspective on the Schlage Site Oneota Lithic Assemblage. Society of American Archaeologist, Sacramento, CA (Presenters: Crowley and Nicholls)

2010 (Poster) Society of American Archaeology. April 15-18, 2010. St. Louis, MO. Invited Poster Presentation – TITLE: “Searching through the Unknown: Geospatial Analysis of the Milwaukee County Grounds Cemetery”

2008 *Archaeology, GIS, and Historic Preservation in the Door Peninsula*. Wisconsin Land Information Association Conference, Lake Geneva Grand Resort, Lake Geneva, Wisconsin, March 27-29, 2008

2008 *In Search of Lakefront Property: Oneota Site Distribution of Lake Koshkonong*. Midwest Archaeological Conference, Hyatt Regency Hotel, Milwaukee, Wisconsin, October 15-19, 2008

2008 Mapping Threatened Archaeological Sites on Achillbeg Island, County Mayo. Paper presented in Symposium: "Rising Seas: Exploring the Impact of Sea-level Rise on Cultural Heritage Resources" at the Sixth World Archaeological Congress, Dublin, Ireland, June 29-July 4, 2008 (Presenters: Richards, John D., Robert J. Jeske and Brian D. Nicholls)

2007 *North Bay Cultural Material at the Beaudhuin Village Site, Door Peninsula, Wisconsin*, 1st Annual Stateline-Archaeo Fest Conference, April 20-22, 2007, Beloit, Wisconsin.

2006 *Lithic Resource Availability and Use on the Door Peninsula of Northeastern Wisconsin*. Midwest Archaeological Conference Dayton, Ohio. (Presenters: Winkler and Nicholls)

2006 *Resource Utilization of the Lake Koshkonong Region*. 2006 Midwest Archaeological Conference. Urbana, Illinois.

2003 The Role of GIS Technology in Historic Preservation: An Example from the City of Milwaukee. 68th Annual Society of American Archaeologist Conference. April 9-13, 2003. Milwaukee, Wisconsin. (Presenters: Watson and Nicholls).

2003 Middle Woodland Lithic Assemblage from the Beaudhuin Village Site (47DR432), Door County, Wisconsin. Midwest Archaeological Conference.

2000 Applications of Geographic Information Systems in Archaeology. Paper presented at the Guest Lecturer, Geography, University of Wisconsin-Milwaukee, Milwaukee, Wisconsin.

2000 Landscape Utilization and Predictive Modeling in the Archaic Period in Wisconsin and the Upper Peninsula of Michigan. Paper presented at the 2000 GIS Day, Milwaukee, Wisconsin.

2000 Generating Field Data for Map Generation and Analysis Using a Total Station. Paper presented at the 2000 GIS Day event, Milwaukee, Wisconsin.

2000 Late Archaic Mortuary Areas as Sacred Place in the Upper Midwest. Paper presented at the Joint Midwest Archaeological and Plains Conference, St. Paul, Minnesota.

2000 Archaeology and Geographic Information Systems in Wisconsin. Paper presented at the Wisconsin Archeological Society March Guest Lecture Series, Milwaukee, Wisconsin.

2000 Late Prehistoric Use of Hixton Silicified Sandstone in the Midwest. Paper presented at the 65th Annual Meeting of the Society of American Archaeology, Philadelphia, Pennsylvania.

Teaching Experience

New Course Development

156-380 Anthropological Applications of Geographic Information Science. Undergraduate/Graduate. 3 credits. Department of Anthropology, University of Wisconsin-Milwaukee.

156-562 Techniques and Problems in Archaeology: Advanced Digital Mapping. Undergraduate/Graduate. 3 credits. Department of Anthropology, University of Wisconsin-Milwaukee.

Courses

Anthropological Applications of Geographic Information Science (156-380), UW-Milwaukee, Department of Anthropology, Spring Semester.

2000 Guest Lecturer, *Applications of Geographic Information Systems in Archaeology*, UW-Milwaukee Dept. of Geography, fall semester. Milwaukee, Wisconsin.

1997 Assistant Field Director/Teaching Assistant, UWM Dept. of Anthropology. Archaeological Field School at Cahokia Mounds State Historic Site 3-6 cr (156-567)

1997 Lab Instructor/Teaching Assistant, UWM Dept. of Anthropology. Techniques & Problems in Archaeology 3 cr (156-562)

1996 Teaching Assistant, UWM Dept. of Anthropology. Digging Up the Past: Approaches to Archaeology 3 cr (156-103)

Educational Outreach

1999 Earth Day Presenter, Edgerton Elementary (Grade 3-5), Hales Corners, Wisconsin.

Assistant Instructor, UWM Dept. of Anthropology, Southeastern Wisconsin Archaeology Program, Boy Scouts of America - Trimborn Farm Excavations, Milwaukee County, Wisconsin.

1997 Presenter, Lake Bluff Elementary (Grade 5), Shorewood, Wisconsin.

Presenter, Edgerton Elementary (Grade 1-3), Hales Corners, Wisconsin.

Presenter, Career Day, Nicolet High School, Milwaukee, Wisconsin.
1994 Presenter, Lodi Middle School (Grade 5-6), Lodi, Wisconsin.

University Committees

- University of Wisconsin-Milwaukee GIS Council
 - University of Wisconsin-Milwaukee GIS Council - *GIS Day Sub Committee (Co-Chair)*

Research Interests

- Geographic Information Systems
- Remote Sensing using digital imagery
- Computer-aided Cartography
- Spatial analysis
- Information management
- Air photo interpretation
- Computer-aided Database development and management
- Archaeology of the Great Lakes
- Lithic analysis
- Geomorphology/Geoarchaeology
- Mortuary analysis
- Meso-American archaeology
- Digital surveying and mapping

Publications/Technical Reports

Jones, C., J. D. Richards and B. D. Nicholls

2013 *Phase I Archaeological Investigations along STH 76, Outagamie County, Wisconsin. WisDOT Project 6517-10-00.* University of Wisconsin-Milwaukee, Archaeological Research Laboratory, Milwaukee, Wisconsin. Report of Investigations 203.

Nicholls, B. D. and J. D. Richards

2013 Phase II Archaeological Investigations along the STH 57 Reconstruction Project, Brown, Kewaunee and Door Counties, Wisconsin. University of Wisconsin-Milwaukee Archaeological Research Laboratory, Milwaukee, Wisconsin. Report of Investigations 190.

Sherman, R. J., A. K. Balkansky, C. S. Spencer and B. D. Nicholls

2010 Expansionary Dynamics of the Nascent Zapotec State. *Journal of Anthropological Archaeology* Submitted for Review.

Nicholls, B. D.

2010 *WisDOT Monitoring Commitments Summary Report: January - August 2010.* University of Wisconsin-Milwaukee, Archaeological Research Laboratory. Submitted to WisDOT-BEES.

2010 *Borrow Summary Report of WisDOT Projects: March - May 2010.* University of Wisconsin-Milwaukee, Archaeological Research Laboratory. Submitted to WisDOT-BEES.

2010 *CTH C Park & Ride Kiosk Summary, Door County: STH 57 Public Interpretation - WisDOT ID: 1480-04-00.* University of Wisconsin-Milwaukee, Archaeological Research Laboratory. Submitted to WisDOT-BEES.

2010 *Wequiock Falls County Park Kiosk Summary, Brown County: STH 57 Public Interpretation - WisDOT ID: 1480-04-00*. University of Wisconsin-Milwaukee, Archaeological Research Laboratory. Submitted to WisDOT-BEES.

2010 (Poster) Society of American Archaeology. April 15-18, 2010. St. Louis, MO. Invited Poster Presentation – TITLE: “Searching through the Unknown: Geospatial Analysis of the Milwaukee County Grounds Cemetery”

Nicholls, B. D. and J. D. Richards

2010 2009 Summary Report of Archaeological Monitoring along the USH 41/Lake Butte des Morts Project Corridor, Winnebago County, Wisconsin: WisDOT Project ID 1120-11-17. University of Wisconsin-Milwaukee, Archaeological Research Laboratory. Submitted to WisDOT-BEES. Report of Investigations Number 173.

Nicholls, B. D. and J. D. Richards

2009 *2007 - 2008 Archaeological Monitoring along the STH 57 Project, Door County, Wisconsin*. University of Wisconsin-Milwaukee, Archaeological Research Laboratory. Submitted to Monitoring. Report of Investigations 166.

2009 Archaeological Monitoring along STH 57 Project Corridor, Door County, Wisconsin: 2007 - 2008 Summary Review. WisDOT Project Numbers 1480-04-76/1480-04-77. University of Wisconsin-Milwaukee. Report of Investigations 167.

Nicholls, B. D. and J. E. Hurley

2009 *2008 WisDOT Borrow Projects: Summary Report*. University of Wisconsin-Milwaukee. Report of Investigations 165.

Richards, J. D., R. J. Jeske and B. D. Nicholls

2008 Mapping Threatened Archaeological Sites on Achillbeg Island, County Mayo. In *Sixth World Archaeological Congress*, Dublin, Ireland.

Nicholls, B. D. and J. D. Richards

2008 2007 Archaeological Monitoring along STH 57 Project Corridor, Door County, Wisconsin: Summary Review. WisDOT Project Numbers 1480-04-76/1480-04-77. University of Wisconsin-Milwaukee. Report of Investigations 164.

2008 *2007 Archaeological Monitoring along the STH 57 Project, Door County, Wisconsin*. University of Wisconsin-Milwaukee, Archaeological Research Laboratory. Submitted to Monitoring. Report of Investigations 162.

Nicholls, B. D. and T. Revane

2008 Archaeological Literature and Records Review along I-43 and CTH Y, Waukesha County, Wisconsin. WisDOT Project Number 1090-22-30/70. University of Wisconsin-Milwaukee, Wisconsin.

2008 Archaeological Survey along I-43 and CTH Y, Waukesha County, Wisconsin. WisDOT Project Number 1090-22-30/70. University of Wisconsin-Milwaukee, Wisconsin.

Nicholls, B. D.

2008 In Search of Lake Front Property: Oneota Site Distribution of Lake Koshkonong. In *Midwest Archaeological Conference*, Hyatt Regency Hotel, Milwaukee, Wisconsin.

2008 Archaeology, GIS, and Historic Preservation in the Door Peninsula. In *WLIA Conference*, Lake Geneva Grand Resort, Lake Geneva, WI.

Richards, J. D. and B. D. Nicholls

2007 Archaeological Investigations at Fritse Park, Town of Menasha, Winnebago County, Wisconsin. University of Wisconsin-Milwaukee. Report of Investigations 161.

2007 Archaeology Around Wisconsin: 2007 Summary of Archaeology at UW-Milwaukee. The Wisconsin Archeologist 88(2):151-153.

Nicholls, B. D.

2005 *Archaeological Survey of the Vole Property, Leopold Wetland Management District Office, Baraboo River WPA, Columbia County, Wisconsin*. University of Wisconsin-Milwaukee Archaeology Research Laboratory. Submitted to Phase I. Report of Investigations 158.

Richards, J. D. and B. D. Nicholls

2003 *Archaeological Investigations of Selected Portions of Pabst Farm, Waukesha County, Wisconsin*. University of Wisconsin-Milwaukee Archaeology Research Laboratory. Submitted to Phase I and Phase II. Report of Investigations 152.

Nicholls, B. D. and J. D. Richards

2003 *Archaeological Investigations for a Proposed Expansion of the Berlin North Industrial Park, Waushara County, Wisconsin*. University of Wisconsin-Milwaukee Archaeology Research Laboratory. Submitted to Phase I. Report of Investigations 151.

Richards, J. D., P. B. Richards and B. D. Nicholls

2000 *Data Recovery Plan for Four Archaeological Sites (47 KE 9/31, 47 DR 243, 47 DR 251, 47 DR 381) STH 57 Improvement Project, Brown, Kewaunee, and Door Counties, Wisconsin*. University of Wisconsin-Milwaukee. Submitted to Data Recovery. Report of.

Richards, J. D. and B. D. Nicholls

2000 *Archaeological Investigations in the Lakes Country of Waukesha County, Wisconsin: Survey and Testing in the Planned Right-of-Way of a Proposed Sanitary Sewage System, Town of Summit Sanitary District No. 1*. University of Wisconsin-Milwaukee Archaeology Research Laboratory. Report of Investigations 147.

2000 *Archaeological Investigations at General Mitchell Air Reserve Station, Milwaukee County, Wisconsin*. University of Wisconsin-Milwaukee Archaeology Research Laboratory. Report of Investigations 143.

Nicholls, B. D., P. B. Richards and J. D. Richards

2000 *Archaeological investigation of a Proposed Parking Lot on the Horicon National Wildlife Refuge, Dodge County, Wisconsin*. University of Wisconsin-Milwaukee Archaeology Research Laboratory. Submitted to Phase I Survey. Report of Investigations 140.

Richards, J. D., Richards, P. B., Nicholls, B. D.

2000 Data Recovery Plan for Four Archaeological Sites (47 Ke-9/31, 47 Dr-243, 47 Dr-251, 47 Dr-381) STH 57 Improvement Project Area Brown, Kewaunee, and Door Counties, Wisconsin.

Nicholls, B. D.

2000 *Archaeological investigation of Eight Areas in the Necedah National Wildlife Refuge, Juneau County, Wisconsin.* University of Wisconsin-Milwaukee Archaeology Research Laboratory. Submitted to Phase I Survey. Report of Investigations 142.

2000 Applications of Geographic Information Systems in Archaeology. Paper presented at the Guest Lecturer, Geography, University of Wisconsin-Milwaukee, Milwaukee, Wisconsin.

2000 Landscape Utilization and Predictive Modeling in the Archaic Period in Wisconsin and the Upper Peninsula of Michigan. Paper presented at the 2000 GIS Day, Milwaukee, Wisconsin.

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2000 Late Archaic Mortuary Areas as Sacred Place in the Upper Midwest. Paper presented at the Joint Midwest Archaeological and Plains Conference, St. Paul, Minnesota.

2000 Archaeology and Geographic Information Systems in Wisconsin. Paper presented at the Wisconsin Archeological Society March Guest Lecture Series, Milwaukee, Wisconsin.

2000 Late Prehistoric Use of Hixton Silicified Sandstone in the Midwest. Paper presented at the 65th Annual Meeting of the Society of American Archaeology, Philadelphia, Pennsylvania.

Richards, J. D., P. B. Richards, R. J. Watson, B. D. Nicholls and L. Naunapper

1999 *Mapping Native American Tribal Movements within the Boundaries of the St. Paul District Corps of Engineers (Report Submitted to Great Lakes Archaeological Research Center, Inc., 1999).*

Nicholls, B. D., J. J. Schumacher, P. B. Richards and J. D. Richards

1999 *Phase I archaeological investigation of the West Shore Fishing Museum Property, Menominee County, Michigan.* University of Wisconsin-Milwaukee Archaeology Research Laboratory. Report of Investigations 139.

Richards, P. B. and B. D. Nicholls

1998 *Phase I Archaeological Investigations of Proposed Soil Absorption Pond Sites, Forest County, Wisconsin.* University of Wisconsin-Milwaukee Archaeology Research Laboratory. Report of Investigations 136.

Richards, J. D., P. B. Richards and B. D. Nicholls

1998 *Archaeological Investigations In The Carcajou Point Locale, Sumner Township, Jefferson County, Wisconsin.* University of Wisconsin-Milwaukee Archaeology Research Laboratory. Report of Investigations 133.

Nicholls, B. D., R. J. Watson, M. Kolb and J. D. Richards

1994 *Phase I Archaeological Reconnaissance and Geomorphological Investigations for the Perry Creek Flood Protection Project, Sioux City, Iowa.* Great Lakes Archaeological Research Center, Inc. Report of Investigations 354.

Nicholls, B. D., G. A. Lusk and J. D. Richards

1993 *Phase I Archaeological Reconnaissance of the Wetland Mitigation Site Associated with Reconstruction of STH 29, Clark County, Wisconsin.* Great Lakes Archaeological Research Center, Inc. Report of Investigations 309.

1993 *Phase I Archaeological Reconnaissance of the STH 16 16 Bypass of Oconomowoc, Jefferson and Waukesha Counties, Wisconsin.* Great Lakes Archaeological Research Center, Inc. Report of Investigations 348.

Richards, J. D., B. D. Nicholls and G. A. Lusk

1992 *Phase I Archaeological Reconnaissance of the Proposed Site of the Jackson County Prison Facility, Brockway Township, Wisconsin.* Great Lakes Archaeological Research Center, Inc. Report of Investigations 296.