

Appendix C: Resumes of Key Personnel



William P. Barse, M.A., Ph.D.

Senior Archaeologist

Areas of Expertise

Cultural Resource Management
Studies

Section 106 of the National
Historic Preservation Act
Archaeological Surveys and
Excavations

Years of Experience

With URS: 9 Years

With Other Firms: 27 Years

Education

Ph.D./1989/Catholic University
of America/Anthropology

M.A./1981/Catholic University of
America/Anthropology

B.A./1973/University of
Maryland/Anthropology

Registration/Certification

Register of Professional
Archaeologists

Overview

Dr. Barse has over thirty-five years of experience in archaeological investigations. He has taught, sponsored field schools, and served as Principal Investigator on numerous projects. Dr. Barse has done extensive research on the prehistory of Eastern North America, with particular emphasis on the Middle Atlantic region and the Southeast. In addition, he has conducted extensive archeological research in Venezuela, having developed and continued a program of archeological survey and site testing along the Orinoco River in Amazonas State. His work in Venezuela has been funded by the National Science Foundation, National Geographic Society and the Heinz Family Foundation.

Project Specific Experience

Delaware Water Gap National Recreation Area – Shoemaker’s Ferry Site, conducted for the Denver Service Center. Principal Investigator for Phase I, II and III investigations of a Late Woodland occupation site containing domestic structures.

C&O Canal National Historical Park – Fletcher’s Boathouse Site, Principal Investigator for Phase III investigations of a Middle Woodland occupation site containing approximately 12 large, refuse filled storage pits.

Phase III Archeological Mitigation of the Prehistoric and Historic Components of Site 44AX185, Jones Point Park, Alexandria, Virginia, conducted for the Federal Highway Administration, Virginia Department of Transportation and the National Park Service. Principal Investigator

Jones Point Park – Site 44AX185, conducted for the Federal Highway Administration. Principal Investigator for Phase II and III or a multi-component Archaic through Woodland occupation site located on National Park Service property.

C&O Canal National Historical Park – North Branch Site, conducted for the National Capital Region. Principal Investigator for archeological survey, identification, and evaluation study of the North Branch Site located in the Chesapeake and Ohio National Historical Park in Allegany County, Maryland.

C&O Canal National Historical Park - Overview and Assessment, conducted for the National Capital Region. Co-Principal Investigator for development of a comprehensive historic/prehistoric context for the entire C&O park, and development of predictive modeling and mapping for the potential location of both prehistoric and historic sites within the park. Also conducted an inventory and assessment of archaeological collections from the park currently housed within non-Park service repositories.

C&O Canal National Historical Park – Chick Farm Site, conducted for the National Capital Region. Principal Investigator for an archeological survey, identification and evaluation study of a prehistoric/historic site adjacent the C&O Canal in Frederick County, Maryland.



Oxon Hill Farm – Area OH1C, conducted for the Maryland State Highway Administration. Principal Investigator for Phase I investigations on a National Park Service property.

Woodrow Wilson Bridge Project, Virginia and Maryland. Principal Investigator for multiple Phase I and II studies involving prehistoric sites within the Virginia and Maryland portions of the project’s area of potential effects. Sites dated from the Late Archaic to Late Woodland periods. Conducted for the Federal Highway Administration.

US 301 Predictive Model and Phase I Archaeological Survey, Waldorf, Maryland, conducted for the Maryland State Highway Administration. Principal Investigator for development of a GIS-based predictive model for the location of prehistoric and historic archaeological sites in the proposed US 301 Improvement Plan project area. The model was tested through a Phase I archaeological survey of the project corridors under study. The survey employed a stratified random sample based on environmental and historical data. The survey resulted in the refinement of the model for use in future planning.

Phase I Survey, Bevard Wetland Mitigation Site, Prince Georges County, Maryland, conducted for Maryland State Highway Administration. Principal Investigator for Phase I investigations at a wetland mitigation site, focusing on evaluations of several prehistoric sites.

Clifton Site (18CH35), Charles County, Maryland, conducted for the Maryland State Highway Administration. Principal Investigator for a Phase III data recovery excavations at a stratified Archaic site on Mattawoman Creek.

Publications

- 1973 "Riggins Pottery From Southern Maryland." *Maryland Archeology* **9**(1-2), with Melburn D. Thurman.
- 1977 "The Purcell Site: An Exploration." *Maryland Archeology* **13** (1), with Wayne Clarke and Gerald Braley.
- 1978 "Preliminary Notes on the West Shore Site, 18AN219." *Newsletter of the Archeological Society of Maryland*, vol. IV, #1, January.
- 1989 "Additional Sites With Riggins Ware Pottery in Maryland." *Maryland Archeology* **25**, No. 1.
- 1990 "Preceramic Occupations in the Orinoco Valley." *Science* **250**: 1388-1390.
- 1993 Review of *Moundbuilders of the Amazon: Geophysical Archaeology on Marajo Island*, by Anna C. Roosevelt. *American Antiquity* **58** (2): 373
- 1995 "El Periodo Araico en el Orinoco y Su Contexto en el Norte de Sud America." In *Ambito y Ocupaciones Tempranas de la America Triopical*, edited by Ines Cavelier and Santiago Mora. Insituto Colombiano de Antropologia and Fundacion Erigraie, Santa Fe de Bogota, Columbia.
- 1996 Technical Comment. Dating a Paleoindian Site in the Amazon in Comparison with Clovis Culture. *Science*, **275**: 1949-1950.



- 1999 “La Etapa Formativa en la Cuenca del Orinoco.” In *Formativa Sudamericano: Una Revaluacion*, edited by Paulina Ledergerber-Crespo. Ediciones ABAYA-YALA, Quito, Ecuador.
- 2000 Ronquin, AMS Dates, and the Middle Orinoco Sequence. *Interciencia* **25**(7):337-341.
- 2003 Holocene Climate and Human Occupation in the Orinoco, In *Under the Canopy: The Archeology of Tropical Rainforests*, edited by Julio Mercarder, Rutgers University Press.

Professional Societies/Affiliates

Society for American Archaeology
Smithsonian Institution Department of Anthropology, Research Associate

Chronology

1996-present: URS Corporation
1992-1996: KCI Technologies, Inc.
1990-1992: Louis Berger Associates, Inc.
1976-1990: Thunderbird Archeological Associates, Inc.



Jennifer G. Marston

Field Director

Areas of Expertise

Cultural Resource Management
Studies
Archaeological Surveys and
Excavations
Public Outreach

Years of Experience

With URS: 10 Years

Education

Candidate/2004/Pennsylvania
State University/GIS Certificate
Graduate Work/1995/Temple
University/Archaeology
B.A./1993/Alfred
University/Anthropology/
Religion (Dual major)

Overview

Ms. Marston has over 10 years of experience in conducting and supervising all phases of archaeological investigations. She has directed and participated in the excavation of historic and prehistoric sites in the Middle Atlantic states, and has also participated in all aspects of laboratory analysis. Ms. Marston has also assisted in independent archaeological research in Venezuela.

Project Specific Experience

Pennsylvania Department of Transportation. Field Supervisor for Phase I investigations for proposed intersection improvements, S.R. 263, Warwick, Warminster, Doylestown and Buckingham Townships, Bucks County, Pennsylvania. Project involved testing at several intersections and stream crossings.

T-Mobile Northeast, LLC a Delaware Limited Liability Company. Researcher for numerous cell tower Form 620 and 621 submissions. Field supervisor for a Phase I survey for proposed cell tower in Burlington Township, Burlington County, New Jersey.

Pennsylvania Turnpike Commission Field Supervisor for Phase II investigations for the PA Turnpike/Interstate 95 Interchange Project, Burlington County, New Jersey. The project involved monitoring the excavation of deep trenches and test units to explore a previously identified paleosol.

Frederick Municipal Airport. Field Supervisor for Phase I investigations for the Frederick Airport improvement project, Frederick County, Maryland. The project identified three prehistoric sites (18FR809, 18FR810, and 18FR811). Site 18FR811 is under consideration for additional work based on the presence of a sub-plowzone pit and heath feature and several scattered FCR clusters on the surface.

Allen Arthur, LLC. Co-Field Supervisor for Phase II investigations for the proposed residential development, the Tides of Charleston, Arthur Kill Road, Borough of Richmond, Staten Island, New York. The project involved testing around several historic structure remnants and previously identified areas of prehistoric artifacts. Two areas are under consideration for Phase III investigations.

New Jersey Department of Transportation. Field Supervisor for Phase I investigations for proposed drainage improvements, Route 9, Old Bridge Township, Middlesex County, New Jersey. Project involved archaeological survey along highway and along segments of a jughandle. Field Supervisor for Phase I investigations for proposed road widening improvements, Route 34 and Amboy Road, Old Bridge Township, Middlesex County, New Jersey. The project involved archaeological survey along the road and in the yard of a residential structure. Field Supervisor for Phase III data recovery investigations at the Bodine/Blair property (Site 28Mi178) of the pre-Revolutionary War town of Raritan Landing as part of the Route 18 2A extension project in Middlesex County, New Jersey.



Delaware Department of Transportation. Field Supervisor for Phase III data recovery investigations, the Beech Ridge Site (7K-C-422), a Late Paleoindian thru Middle Archaic site in Dover, Kent County, Delaware. Project involved conducting tours and working with volunteers. Field Supervisor for Phase I investigation for proposed improvements to State Route 26, from State Route 17 to State Route 361, Sussex County, Delaware. Field Supervisor for a Phase I survey along Route 9, Kent County, Delaware. Investigations included examining gravestones associated with an African-American church.

New Hampshire Department of Transportation. Field Supervisor for Phase Ib archaeological investigations in the town of East Sullivan, New Hampshire, which examined the remnants of a late-nineteenth-century tannery complex and a late-nineteenth-century turning mill. Project involved shovel testing and large-scale mapping.

Dominion Natural Resources. Field Supervisor for Phase I and II investigations for the proposed Greenbrier Natural Gas Pipeline, from Charleston, West Virginia to Roxboro, North Carolina. Testing covered over 350 miles and included geomorphological studies at stream and river crossings. A total of 73 sites were identified

Benson and Mangold/LLC. Field Supervisor for Phase I investigations at the Plimhimmon Farm in Oxford, Talbot County, Maryland. Investigations included shovel testing and surface reconnaissance of a 301-acre property, including previously identified prehistoric and historic sites: 18TA79, 18TA80, 18TA7, and 18TA3.

North Carolina Department of Transportation. Field Supervisor for Phase III data recovery investigations of the multicomponent Site 31NH707, in New Hanover County, North Carolina. Excavations included several Early Woodland “pot drop” features.

Maryland State Highway Administration. Field Supervisor for a Phase I survey for the Route 197 Intersection Breakout Project, Prince George’s County, Maryland. Project involved testing two proposed alternatives.

Professional Societies/Affiliations

Middle Atlantic Archaeological Conference

Chronology

1995–2006: URS Corporation