

Appendix V.

Personnel



WADE P. CATTS

Associate
Principal Archeologist/Senior Project Manager
John Milner Associates, Inc.
The Barclay
535 North Church Street
West Chester, PA 19380
(610) 436-9000 (phone)
(610) 436-8468 (fax)
wcatts@johnmilnerassociates.com

EDUCATION

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|------|------------------------|----------------------|------|
| M.A. | University of Delaware | American History | 1988 |
| B.A. | University of Delaware | History/Anthropology | 1981 |

PROFESSIONAL CERTIFICATIONS AND SPECIALIZED TRAINING

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| 2003 | Section 106: Principles and Practice Workshop |
| 2003 | Integrating Section 106 and the National Environmental Policy Act Workshop |
| 1999 | Registered Professional Archeologist |
| 1998 | OSHA 40-hour Hazardous Waste Operations Training |
| 1992 | Delaware Sediment and Stormwater Management |

EXPERIENCE PROFILE

Wade P. Catts is a graduate of the University of Delaware, and he also holds a Master's degree in American History from the same institution. Prior to joining John Milner Associates, Inc. (JMA) in 1993, Mr. Catts was employed for over a decade as an archeologist and research historian at a University of Delaware-based consulting division that focused its research efforts on the history and prehistory of the Delmarva Peninsula. Since joining JMA, Mr. Catts' research efforts have included historical and archeological data recovery investigations at the New Geneva Pottery Waster site in Fayette County, Pennsylvania, the Ashcomb's Quarter site in Solomons Island, Maryland, Beverwyck Plantation in Morris County, New Jersey, and Raritan Landing near New Brunswick, New Jersey. He has conducted Phase II evaluation investigations at numerous historic sites in Pennsylvania, Maryland, New Jersey, Delaware, and Virginia, and Phase I surveys throughout the Middle Atlantic region. Further, he has conducted historical background and archival research for archeological and historical projects. Mr. Catts is a recognized historical archeologist with research interests in the history of farmsteads and agricultural landscapes, urban development, military history and archeology, environmental history, African-American studies, and Middle Atlantic regional history and historic preservation.

KEY PROJECTS

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| 2003 | Managed archeological investigations at Old New Castle Courthouse, New Castle Delaware, as part of renovation/restoration activities. Delaware State Museums. |
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- 2003 Managed historical documentation compilation, including GIS data inventory, of the Indian River Bridge Project, Sussex County, Delaware. Rummel, Klepper & Kahl, LLP, for Delaware Department of Transportation.
- 2002-2003 Directed Data Recovery Investigations at two historic sites as part of the multi-consultant team at Raritan Landing Archeological District, Route 18 Extension Project, Middlesex County, New Jersey. New Jersey Department of Transportation.
- 2001-2003 Conducted historical research regarding British military occupation and copper processing at Raritan Landing as part of the Route 18 Extension Project, Middlesex County, New Jersey. New Jersey Department of Transportation.
- 2002 Conducted Historical Research for Historic Structure Report of United States Marine Hospital National Historic Landmark, Louisville, KY. City of Louisville, Louisville Development Authority.
- 2002 Directed Phase I and Phase II archeological and historical research at the proposed site of the Delaware National Guard Readiness Center, Smyrna, Delaware. Delaware National Guard.
- 2002 Directed archeological overview and assessment of Hopewell Furnace National Historic Park, Birdsboro, PA. National Park Service.
- 2002 Conducted historical research and assisted in the preparation of a Historic Structures Report for the U.S. Marine Hospital, National Historic Landmark. Louisville, KY.
- 2001 Conducted historical and archeological investigations of five historic sites of Hopewell Furnace National Historic Park, Birdsboro, PA. National Park Service.
- 2001 Co-directed data recovery investigations and conducted historical research of the Raritan Landing Project, New Brunswick, NJ. New Jersey Department of Transportation.
- 2001 Conducted historical research and assisted in developing historic commemorative contexts for seven national military parks (Chickamauga/Chattanooga, Gettysburg, Shiloh, Vicksburg, Antietam, Valley Forge, Minute Man). National Park Service.
- 2001 Conducted historical research and directed Phase I archeological investigations at Hopewell Furnace National Park. National Park Service.
- 2000 Directed archeological investigations at Block III, John Dickinson Plantation, Delaware. Delaware State Museums.
- 2000 Conducted historical research and Phase I archeological survey at site of Camp Security/Camp Indulgence, a British Revolutionary War Prisoner-of-War encampment, York County, Pennsylvania. Pasch Construction.
- 2000 Directed historical research and prepared historic context for Phase IA cultural resources investigation for a proposed parking facility at the site of the Second Street Market, Lower Market Street Historic District, Wilmington, Delaware. Wilmington Renaissance Corporation.
- 2000 Directed historical research and Phase II archeological evaluation for the Triangle Woods Archeological Site, New Castle County, Delaware. Delaware Department of Natural Resources and Environmental Control.
- 2000 Co-directed data recovery efforts at the Raritan Landing Archeological District. New Jersey Department of Transportation.

- 1998 Data recovery investigations at the Jacob M. Zook House, Exton Square Mall expansion, Chester County, Pennsylvania. The Rouse Company.
- 1998 Data recovery investigations at the Diggs-Monroe and Culp-Mindoft sites, Gettysburg, Pennsylvania. The Borough of Gettysburg.
- 1998 Phase I and II archeological investigations at the Joseph Carrell, Jr. Farmstead site, Street Road Commercial Development Project, Bucks County, Pennsylvania. Newman Development Group of Warrington, L.L.P.
- 1997 Phase IA cultural resources investigation of sediment removal areas in the Christina River, Newport, New Castle County, Delaware. DuPont Environmental Remediation Services.
- 1997 Phase I archeological survey of the proposed access road, DuPont Holly Run Plant, Newport, Delaware. DuPont Environmental Remediation Services.
- 1996 Phase II archeological evaluation of the Grover Farmstead, Cranbury Neck Road Bridge Replacement, Middlesex County, New Jersey. New Jersey Department of Transportation.
- 1996 Phase II archeological investigations at the Zook, Massey and Jacobs houses, Exton Mall Expansion Project, West Whiteland Township, Chester County, Pennsylvania. The Rouse Company.
- 1996 Phase IB archeological survey of the former Koppers Company, Inc. Property, Newport, New Castle County, Delaware. Beazer East and DuPont Specialty Chemicals in association with Woodward-Clyde Consultants, Inc.
- 1995 Phase II evaluation of the Motts Run Water Filtration Plant Site, Spotsylvania County, Virginia. Hayes, Seay, Mattern & Mattern, Inc.
- 1994 Phase I archeological investigations at the Dundale Mansion and Barn, Villanova University, Delaware County, Pennsylvania. Villanova University.
- 1994 Phase I archeological investigations at the Pennell House Site, Delaware County, Pennsylvania. Wawa Dairies, Inc.
- 1993 Phase II evaluation of the William Wingate House Site, Fort DuPont State Park, New Castle County, Delaware. Delaware Department of Natural Resources and Environmental Control.
- 1993 Phase I and II archeological investigations of the Laurel Mill, Laurel, Sussex County, Delaware. Delaware Department of Natural Resources and Environmental Control.
- 1993 Data recovery excavations at the New Geneva Pottery Waster Dump Site, Fayette County, Pennsylvania. Pittsburgh District, U.S. Army Corps of Engineers.
- 1992 Data Recovery investigations at the Dehorty Site, New Castle County, Delaware. Delaware Department of Transportation.
- 1991 Archeological excavations at St. Paul's Church, Kent County, Maryland. University of Delaware and vestry of St. Paul's Episcopal Church.
- 1991 Data Recovery excavations at the Eagle Run Tenant House Site and the William Patterson Mansion House and Boat Dock, New Castle County, Delaware. Delaware Department of Transportation.

- 1990 Data Recovery investigations of the Thomas Williams Site, New Castle County, Delaware. Delaware Department of Transportation.
- 1990 Phase I archeological survey associated with the replacement of the New Jersey Route 45 Bridge over Fenwick Creek, Salem County, New Jersey. New Jersey Department of Transportation.
- 1989 Southeast Sussex Corridor cultural resources survey, Sussex County, Delaware. Delaware Department of Transportation.

SELECTED PUBLICATIONS

- 2001-2002 Research Questions for the Archaeology of Rural Places: Experiences from the Middle Atlantic. *Northeast Historical Archaeology* 30-31:143-154.
- 2002 Research Questions for the Archeology of Rural Places: Experiences from the Middle Atlantic: *Northeast Historical Archaeology*, in press.
- 1993 Small Wonder, There's Diversity! Current Historical Archaeology in Delaware (with David Grettler). *Bulletin of the Archaeological Society of Delaware* 30.
- 1993 "Entertained . . . at ye Tavern Close By." Historical Archaeological Inquiry at Thomas Ogle's Tavern, Ogletown (with Angela Hoseth and Ellis C. Coleman). *Bulletin of the Archaeological Society of Delaware* 30:5-16.
- 1991 A Report of the Archaeological Investigations at the House of Thomas Cuff, A Free Black Laborer, 108 Cannon Street, Chestertown, Kent County, Maryland (with Doug McCall). *North American Archaeologist* 12(2):155-181.
- 1990 *Management Plan for Delaware's Historical Archaeological Resources* (with LuAnn DeCunzo). Delaware Department of State.
- 1990 Building a Framework for Research: Delaware's Management Plan for Historical Archaeological Resources (with LuAnn De Cunzo). *Northeast Historical Archaeology* 19:1-49.
- 1988 "Slaves, Free Blacks, and French Negroes: An Archaeological and Historical Perspective on Wilmington's Forgotten Folk." Unpublished M.A. thesis, Department of History, University of Delaware, Newark.
- 1986 Soil Chemistry and Historic Archaeological Site Activity Areas: A Test Case from Northern Delaware (with Jay F. Custer, Ellis C. Colman, and Kevin W. Cunningham). *Historical Archaeology* 20(2):89-94.
- 1986 Local Historical Summary. In *Current Research in the Historic Archaeology of Northern Delaware*, edited by Jay F. Custer and Kevin W. Cunningham, *Bulletin of the Archaeological Society of Delaware* 21:3-21.
- 1986 Archaeological Investigations at the Wilson-Slack Site. In *Current Research in the Historic Archaeology of Northern Delaware*, edited by Jay F. Custer and Kevin W. Cunningham. *Bulletin of the Archaeological Society of Delaware* 21:102-148.

1986 Archaeological Investigations at the William M. Hawthorn Site. In *Current Research in the Historic Archaeology of Northern Delaware*, edited by Jay F. Custer and Kevin W. Cunningham. *Bulletin of the Archaeological Society of Delaware* 21:58-101.

SUMMARY OF PROFESSIONAL ACTIVITIES

Mr. Catts is author or co-author of fifty-two (52) cultural resources reports, thirteen (13) scholarly articles and monographs, five (5) book reviews, nineteen (25) papers presented at professional meetings, six (6) symposia organized at professional meetings, and one (1) professional conference organized.



WILLIAM J. CHADWICK
 Principal Geoarcheologist/Project Manager
 John Milner Associates, Inc.
 The Barclay
 535 North Church Street
 West Chester, PA 19380
 (610) 436-9000 (phone)
 (610) 436-8468 (fax)
wchadwic@johnmilnerassociates.com

EDUCATION

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|-------|-----------------------------------|-------------------|------|
| Ph.D. | University of Delaware | Geology | 2000 |
| M.A. | Temple University | Geology | 1994 |
| B.A. | University of Maine at Farmington | Geology/Geography | 1990 |

LICENSES / CERTIFICATIONS / TRAINING

- Registered Professional Archeologist
- Licensed Professional Geologist (Utah, # 5556501-2250)
- OSHA 40 Hour HAZWOPER (2001)
- OSHA 8 Hour HAZWOPER Refresher (current)
- OSHA 8 Hour Training for Supervisors (2001)
- OSHA Hazard Communication (2002)
- OSHA Excavation Safety Training for Competent Persons (2002)
- OSHA Permit-required Confined Spaces (2002)
- OSHA Bloodborne Pathogen (2003)
- U.S. Coast Guard Boating Skills and Seamanship Certificate (1995)
- Recent Archeological Prospection Advances for Non-Destructive Investigations in the 21st Century (2002-Fort Vancouver National Historic Site, Vancouver, WA)
- Trimble GeoExplorer 3c and Pathfinder Office Training (2001)

EXPERIENCE PROFILE

Dr. William J. Chadwick serves as a Principal Geoarcheologist and Project Manager at JMA. Dr. Chadwick is a Registered Professional Archeologist and Licensed Professional Geologist who has broad experience in both geoarcheology and archeology. Dr. Chadwick holds a Ph.D. in Geology from the University of Delaware where he gained extensive training in archeological geology, ground-penetrating radar (GPR), quaternary geology, sedimentology, stratigraphy, and geomorphology. Dr. Chadwick has conducted numerous geoarcheological examinations of paleogeographies and paleoenvironments and several geophysical surveys related to archeological sites, and their environs, throughout the Mid-Atlantic and New England regions. Dr. Chadwick utilizes GPS and GIS to map and conduct analysis of spatial attributes related to cultural resources. Dr. Chadwick's experience in archeology includes all phases of excavation related to Prehistoric and Historic Period sites throughout the Mid-Atlantic and New England regions. Dr. Chadwick is author or co-author of numerous cultural resource and geoarcheological reports, as well as several professional publications and presentations at professional meetings.

KEY PROJECTS

- 2003 GIS-based Existing Conditions and Cultural Resources Survey, S.R. 1/Indian River Inlet Bridge Project, Sussex County, Delaware. Rummel, Klepper, & Kahl and Delaware State Department of Transportation.
- 2003 GIS-based Existing Conditions of Cultural Resources Survey, U.S. Highway 113, North-South Study Area, Sussex and Kent County, Delaware. Rummel, Klepper, & Kahl and Delaware State Department of Transportation.
- 2003 Archeological Phase I Survey for the Columbia Falls and Moscow OTHB-E Radar stations, Washington and Somerset Counties, Maine. United States Air Force Air Education and Training Command.
- 2003 Geoarcheological Evaluation of Proposed Middlesex Water Company Raw-Water-Supply Pipeline, in Johnson Park, Edison Township, Middlesex County, New Jersey.
- 2003 Supplementary Phase I Archeological Investigations along MD 237, Phase II Evaluation of 18ST608, and Geophysical Survey: Ebenezer Cemetery (18ST618), MD237: MD235 to Pegg Road, St. Mary's County, Maryland (co-author). Report Prepared for Maryland State Highway Administration.
- 2001-2003 Stage IB Archeological Survey of the Intertidal Zone, New Bedford Harbor Superfund Site, Bristol County, Massachusetts. Foster Wheeler Environmental Corporation and the U.S. Army Corps of Engineers, New England District.
- 2002 Phase I Archeological Survey, Proposed Commercial Development, Hygeia Drive and Delaware Route 4 White Clay Creek Hundred, New Castle County, Delaware. Site Development, Inc.
- 2002 Geoarcheological Evaluation, Proposed 8-inch Sewer Main Project, Whitmarsh Township, Montgomery County, Pennsylvania. URS Corporation.
- 2002 A Phase I Archeological Survey of a Proposed WAWA Store, East Brandywine Township, Chester County, Pennsylvania. Nave Newell, Inc.
- 2002 Ground-Penetrating Radar Pilot Study of Independence Square, Independence National Historical Park, Philadelphia, PA. National Park Service, Northeast District.
- 2002 Geoarcheological Evaluation, Keystone Boulevard Project, Pottstown, Montgomery County Pennsylvania. URS Corporation.
- 2002 A Ground-Penetrating Radar Survey of Probable Tannery Site, Harrogate at Landenberg, New Garden Township, Pennsylvania. Wilkinson Builders.
- 2001 Geoarcheological Evaluation, Cross Harbor Freight Movement Project: Phase 1A Archeological Assessment, 65TH Street Rail Yard, Bay Tunnel Alignment, First Avenue Tunnel Alignment, Brooklyn, Kings County, New York. AKRF, Inc.
- 2001 Geoarcheological Evaluation of the MARC Station Parking Lot Expansion, Point of Rocks, Frederick County, Maryland. Rummel, Klepper & Kahl.
- 2001 Geoarcheological Survey of Valley Township, Route 642 Sewer Extension, Montour County, Pennsylvania. Report Prepared for Christine Davis Consultants, Inc.

SELECTED PUBLICATIONS AND PAPERS

- 2003 "Come and Get Me Copper!" or "This is a Real Pane in the Glass!": Archeological Evidence of Industrial Practices at Raritan Landing. Paper presented at Annual Meeting of the Council of Northeast Historical archaeology, Lowell, MA. (with Wade Catts, Edward Morin, and Meta Janowitz)
- 2003 "Location! Location! Location! Interplay of Topography and Material Life at the Landing at the Landing, 1720-1777." Paper presented at the 2003 Annual Meeting of the Society of Historical Archeology, Providence, RI. (with Edward Morin and Wade Catts)
- 2001 "Predicting the Spatial Distribution of Prehistoric Archaeological Sites as Related to Water Resources using GIS Analysis in the Lehigh Valley, Pennsylvania." Paper presented at The Society for Pennsylvania Archaeology Seventy-Second Annual Meeting. May 2001. (with Matthew Harris)
- 2001 "Ground Penetrating Radar, Stratigraphic Methods, and Geoarchaeology the Paleogeography of Ancestral Cape Henlopen, Delaware." Paper presented at the Geological Society of America Northeastern Section 2001 Meeting, Burlington, Vermont. March 2001.
- 2001 "Predicting the Spatial Distribution of Prehistoric Archaeological Sites as Related to Water Resources using GIS Analysis in the Lehigh Valley, Pennsylvania." Poster presented at the Geological Society of America Northeastern Section 2001 Meeting, Burlington, Vermont. March 2001. (with Matthew Harris)
- 2000 The Application of Ground Penetrating Radar to a Coastal Prehistoric Archaeological Site, Cape Henlopen, Delaware, USA. *Geoarchaeology, An International Journal*, 15(8):765-781. (with John A. Madsen).
- 2000 *Paleogeographic and Paleoenvironmental Reconstruction of Terrain Associated with Coastal Prehistoric Archaeological Sites, Cape Henlopen, Delaware.* Thesis (Ph.D.) - University of Delaware
- 2000 "Evidence for Multiple Sea-level Still Stands During the Evolution of Cape Henlopen, Delaware, USA." Paper presented at the Geological Society of America Northeastern Section 2000 Meeting, Connecticut. March 2000.
- 1998 "Ground Penetrating Radar Reveals the Relationship Between Sea-Level Rise and the Prehistoric Occupation of Relict Recurved Spits, Cape Henlopen, Delaware." Paper presented at the Geological Society of America 1998 Annual Meeting, Toronto, Canada. November, 1998.
- 1988 "The Geologic Context of a Prehistoric Archaeological Site, Cape Henlopen Delaware." Paper presented at the Geological Society of America Southeastern Section 1998 Meeting, Charleston, West Virginia. March 1998.
- 1998 "Ground Penetrating Radar, Its Use in Understanding the Geologic Context of a Prehistoric Archaeological Site, Cape Henlopen, Delaware. Paper presented at the Geological Society of America Northeastern Section 1998 Meeting, Portland, Maine. March 1998.
- 1995 "Paleogeographies of Historic and Prehistoric Archaeological Sites in the Coastal Zone." Eastern States Archaeological Federation, 62nd Annual Meeting, Wilmington, Delaware.

SUMMARY OF PROFESSIONAL ACTIVITIES

Dr. Chadwick is author or co-author of thirteen (13) cultural resources reports, seven (7) geoarcheological reports, one (1) professional publication, and eleven (11) papers presented at professional meetings.



MATTHEW D. HARRIS

Project Archeologist
John Milner Associates, Inc.
1216 Arch Street, 5th Floor
Philadelphia, PA 19107
(215) 561-7637 (phone)
(215) 977-7360 (fax)
mharris@johnmilnerassociates.com

EDUCATION

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|------|---------------------|--------------|---------|
| M.A. | Temple University | Anthropology | Present |
| B.A. | Kutztown University | Anthropology | 2000 |

EXPERIENCE PROFILE

Matthew Harris has over seven years of experience in conducting cultural resource investigations in the Middle Atlantic region of Eastern North America. He specializes in the fields of Geographic Information Systems (GIS) / Database, the use of GIS, methods from geography, and computers to solve complex spatial problems, Geoarchaeology, the use of geologic methodology and soil science techniques to address archaeological and environmental research questions, and Archeology. He is grounded in sound archaeological field techniques, emphasizing the prehistoric archaeology of the Middle Atlantic region. Accompanying his archaeological curriculum, Mr. Harris has completed over 30 undergraduate and graduate credits in GIS, geology, geomorphology, paleosols, and soil science, establishing a firm background in the study and interpretations of archaeological materials in all scales of environmental context. Work experience in state historic preservation office compliance archaeology, client side cultural resource management firms, and academia, has led to Mr. Harris developing experience in implementing computer technology and geoarchaeology into projects of all sizes and scopes.

KEY PROJECTS

- 2003-present GIS-based Existing Conditions Cultural Resources Study, Phase 1B Archeological Survey, and Geoarcheological Survey, S.R. 1/Indian River Inlet Bridge Project, Sussex County, Delaware. Rummel, Klepper, & Kahl and Delaware State Department of Transportation.
- 2003-2004 GIS-based Existing Conditions of Cultural Resources Study, U.S. Highway 113, North-South Study Area, Sussex and Kent County, Delaware. Rummel, Klepper, & Kahl and Delaware State Department of Transportation.
- 2003 Phase II archeological investigation of the Proposed Cold Springs Run Development, West Goshen Township, Chester County, Pennsylvania. Cold Springs Run, Inc.
- 2003 Geophysical and Phase I Archeological Survey, Bridge No. 10043 over Bens Branch, Frederick County, Maryland. Maryland Department of Transportation.
- 2003 Development of analytical database for Phase II archaeological investigation of the Manna Site, Milford, Pennsylvania. Temple University.

- 2002 Geoarchaeological and Phase II archaeological investigation of Fox Gap battle field and historic site, Fox Gap, Maryland. Indiana University of Pennsylvania.
- 2001-2002 Aid in creation and clean-up of state wide cultural resources GIS and implementation of the Bureau for Historic Preservation's Commonwealth's Historic Resource web enabled GIS. Pennsylvania State Historic Preservation Office, Harrisburg, Pennsylvania.

SELECTED PUBLICATIONS

- 2003 *A Gap in Time: An Archaeological Context, Investigation, and Management Plan for the Fox Gap section of the Appalachian National Scenic Trail, Fox Gap Maryland* (co-author). In Press.

SUMMARY OF PROFESSIONAL ACTIVITIES

Mr. Harris is the author or co-author of one (1) professional publication, one (1) cultural resource report, and seven (7) papers presented at professional meetings.



RICHARD MEYER

Senior Project Manager
John Milner Associates, Inc.
The Barclay
535 North Church Street
West Chester, PA 19380
(610) 436-9000 (phone)
(610) 436-8468 (fax)
rmeyer@johnmilnerassociates.com

EDUCATION

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|------|-----------------------|---|------|
| M.A. | Cornell University | History of Architecture and Urban Development | 1981 |
| B.A. | Valparaiso University | Geography | 1974 |

EXPERIENCE PROFILE

Richard Meyer specializes in the application of physical and documentary evidence to the interpretation of buildings and landscapes. His comprehensive approach to the built environment has been shaped and supported by a broadly based academic background in the fields of architectural and urban history, historical and urban geography, and preservation planning. More than 20 years of historical project experience have afforded him the opportunity to apply his architectural, landscape, and design expertise to a wide variety of research problems, including some pioneering studies on airports and rail stations. Furthermore, he has become familiar with the various public policies that govern the identification, evaluation, and documentation of historic properties. He is particularly skilled in providing technical guidance to clients, ensuring that historic preservation compliance responsibilities are met without jeopardizing publicly funded or licensed undertakings. Mr. Meyer has directed more than 350 historic architectural investigations.

KEY PROJECTS

- 2000-2004 Cultural resources survey, effects assessment, state-level documentation of the former Middletown Air Depot, and an indoor display panel in conjunction with terminal expansion at Harrisburg International Airport. Susquehanna Area Regional Airport Authority.
- 2002-2004 Cultural resources survey, effects assessment, and technical guidance as part of the S.R. 141/S.R. 100 to Alapocas Drive (Tyler McConnell Bridge) Transportation Improvements Study. Delaware Department of Transportation (2002 Outstanding Special Project Award recipient [for excellence in cultural resource coordination], Delaware Department of Transportation).
- 1999-2004 State-level documentation of the Frederick Brick Works and an outdoor display panel in conjunction with the East Street Extended project, Frederick, Maryland. Maryland Department of Transportation.

- 2000 State-level documentation of the Honesdale Coal Company Elevator and an outdoor display panel in conjunction with replacement of Lemnitzer (Brown Street) Bridge, Honesdale, Pennsylvania. Pennsylvania Department of Transportation.
- 1999-2000 Cultural resources survey, National Register evaluation, state-level documentation, an outdoor display panel, and a public history brochure in conjunction with proposed hazardous materials remediation at the former Pownal Tannery, North Pownal, Vermont. U.S. Environmental Protection Agency.
- 1998-1999 National Register evaluation, effects assessment, HAER documentation, and an indoor display panel in conjunction with proposed redevelopment of a former TWA maintenance hangar site at the Philadelphia International Airport. City of Philadelphia, Division of Aviation.
- 1998-1999 HAER and state-level documentation, outdoor display panels, and a public history document in conjunction with proposed redevelopment of a portion of the former Philadelphia Naval Shipyard. Kvaerner Philadelphia Shipyard, Inc. (2001 Certificate of Commendation Award recipient, American Association for State and Local History; 2000 Quality Product Award recipient, American Cultural Resources Association).
- 1994-1999 Cultural resources surveys, National Register evaluations, and effects assessments in conjunction with more than 20 proposed highway improvement projects statewide. New Jersey Department of Transportation.
- 1992-1999 Cultural resources surveys, National Register evaluations, and effects assessments in conjunction with more than 20 proposed highway improvement projects in Lackawanna, Luzerne, Pike, Susquehanna, and Wyoming counties, Pennsylvania. Pennsylvania Department of Transportation.
- 1997-1998 HAER documentation of the Victory Bridge, City of Perth Amboy and the Borough of Sayerville, Middlesex County, New Jersey in conjunction with a proposed bridge replacement. New Jersey Department of Transportation.
- 1997-1998 Cultural resources component of an Environmental Impact Statement on Governors Island, New York City in conjunction with a proposed property transfer. General Services Administration.
- 1993-1994 Cultural resources surveys and National Register evaluations of the Naval Hospital Philadelphia and the Naval Base Philadelphia in accordance with base closure mandates. Department of the Navy, Northern Division.
- 1993 Intensive level historic resources survey and National Register and National Historic Landmark evaluations of factories, laboratories, and housing associated with the aluminum industry in Westmoreland and Allegheny counties, Pennsylvania as part of a tourism development plan. National Park Service, Denver Service Center, Western Pennsylvania Partnerships Branch.
- 1993 HAER documentation of Penns Creek Bridge, Penn and Monroe townships, Snyder County, Pennsylvania in conjunction with a proposed bridge replacement. Pennsylvania Department of Transportation.
- 1992 National Register evaluation of the former Atwater Kent Manufacturing Company, North Plant, Philadelphia, Pennsylvania in conjunction with proposed site redevelopment. General Services Administration.

- 1992 Historic structure report on the Wagner-Ritter House, Johnstown, Pennsylvania as part of a tourism development plan. Johnstown Area Heritage Association.
- 1987-1991 National Register evaluation and HABS documentation of the Baltimore Union Station driveways in conjunction with a proposed intermodal transportation facility. Interstate Division for Baltimore City.
- 1987-1989 HABS documentation of 13 residential and commercial properties in conjunction with the proposed Route 19 Connector, Paterson, New Jersey. New Jersey Department of Transportation.
- 1983-1989 Intensive level historic resources survey and HABS/HAER documentation of numerous commercial and industrial properties in conjunction with the proposed Pennsylvania Convention Center, Philadelphia, Pennsylvania. Philadelphia Industrial Development Corporation.
- 1985-1986 Intensive level historic resources survey and thematic National Register nomination of 12 operating lighthouses in Connecticut. U. S. Coast Guard Third District.
- 1982 Intensive level historic resources survey and National Register evaluations of numerous German farmsteads in conjunction with proposed Interstate 78 improvements, Lehigh County, Pennsylvania. Pennsylvania Department of Transportation.
- 1981 Intensive level survey and National Register evaluations of 112 operating railroad stations in New Jersey. Heritage Studies, Inc., and New Jersey Transit Corporation (1985 Preservation Honor Award recipient, National Trust for Historic Preservation).
- 1979-1980 Intensive level survey and National Register evaluations of bridges and airports maintained by the Maryland Department of Transportation. Maryland Historical Trust and Maryland Department of Transportation.

SUMMARY OF PROFESSIONAL ACTIVITIES

Author or co-author of more than two hundred (200) cultural resources reports and three (3) papers presented at professional meetings.