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Jason M. Anderson, MA	CADD/GIS Specialist / Archaeological Field Supervisor	
<p>Availability: Immediate</p> <p>Email: anderson@crai-ky.com</p> <p>RPA Registration ID: 12090</p>	<p>Specific Duties:</p> <ul style="list-style-type: none"> • Cartography, data analysis and programming using Geographic Information Systems (GIS) and Computer Aided Design and Drafting (CADD) • Supervise archaeological fieldwork • Report preparation • Web-site administration 	<p>Education and Training:</p> <ul style="list-style-type: none"> • M.A. anthropology, Ball State University, Muncie, Indiana • B.A. anthropology, Ball State University, Muncie, Indiana

Experience Summary Information		
<p>CADD/GIS Specialist / Field Supervisor</p> <p>Cultural Resource Analysts, Inc. 1999 - present</p>	<p>Archaeological Field Director</p> <p>Midwest Environmental Consultants, Inc. 1996 - 1997</p>	<p>Archaeological Crew Chief and Field Technician</p> <p>Archeological Resources Management Service, Ball State University 1995 - 1998</p>

Mr. Anderson has been an employee of CRA since 1998 and has primarily served as an Archaeological Field Supervisor responsible for managing fieldwork and authoring reports for projects at the survey and testing phases. He has recently started working as a CADD/GIS specialist in the Information Technology and Cartography department. In this role, he brings his talents and knowledge of cartography, technology, and love of solving problems and improving efficiency. Jason's duties include all aspects of cartography. Using ArcView and Autodesk Map 3D, he creates proposal, preparatory field, and final report mapping. He maintains the corporate GIS, which includes many types of data including base maps, georeferenced historic maps, and cultural resource projects. Jason uses GIS analysis to help CRA personnel plan for projects and interpret spatial data. He creates customized computer programs and scripts primarily using Python, Java, and Visual Basic, to improve efficiency in many areas of CRA's operations, including data conversion, cultural resource predictive modeling, and automation of viewshed analysis. Jason also manages CRA's extensive collection of global positioning system (GPS) hardware, writes customized data collection scripts, and teaches his fellow employees how to use the technology. He is responsible for the creation and maintenance of the CRA web site. He has strived to make the web site representative not only of CRA's ability to serve clients, but also CRA's commitment to public education and outreach.

Experience and Expertise:

- Geographic Information Systems (GIS)
- Computer Aided Design and Drafting (CADD)
- Computer programming
- Web-site administration and design
- Prehistoric archaeology

CADD, GIS, and GPS Skills:

Mr. Anderson's GIS experience includes extensive use of ArcView 3 and ArcGIS 9/10 for cartographic

design, analysis, and data conversion. Using Visual Basic, Python, and Avenue, he has designed several custom GIS programs and user interfaces to assist in cultural resource and environmental interpretation. Mr. Anderson is also responsible for setting up Trimble and Magellan GPS units and for training CRA staff in their use. He has extensive experience using ArcPad for data collection. To make data collection more efficient and consistent, Mr. Anderson uses ArcPad Studio to design custom data dictionaries. He has extensive experience in computer-aided design (CADD) and is proficient with AutoCAD.

Computer Skills:

Mr. Anderson's training and experience in computer technology is extensive. He has proficient knowledge of the Windows, Linux, and Unix operating systems. Mr. Anderson uses Python, PHP, Javascript, and Visual Basic to design programs to automate common tasks, such as code conversion and statistics generation. He is also experienced in a variety of other software types including database (MySQL, Access), spreadsheet (Excel), word processing and publishing (Word, Acrobat), graphics (Illustrator, Photoshop), and webpage administration/design (Apache Web Server, Dreamweaver).

GIS and Miscellaneous Experience

- Developed a site prediction model for Early Medieval sites in the Dingle Peninsula of Ireland.
- Used a magnetometer to investigate Clonmacnoise, an Early Medieval monastery in Ireland.

Field and Laboratory Skills:

Mr. Anderson is proficient with field use of total station transits, GPS, 35mm SLR cameras, and digital cameras. He also has experience using geophysical survey equipment, including the resistivity meter and the magnetometer. Mr. Anderson has experience monitoring heavy equipment excavation for several sites. His laboratory skills include washing, sorting, cataloging, classifying, and photographing artifacts and processing and sorting flotation samples.

Additional Education and Training:

Annual: Occupational First Aid, CPR and Blood-borne Pathogen

2015: Department of Defense Level I Antiterrorism Awareness Training (JS-US007-14)

2010: OSHA 10 Hour Construction Industry Outreach Training Program

2009: Wilderness First Aid

2005: Trimble Navigation GPS Mapping Systems: GeoExplorer receivers, Pathfinder Office software (MapSync, instructor)

2003: Section 106: Principles & Practice (Dr. Lynne Sebastian, instructor)

2002: OSHA Competent Person: Excavation, Trenching, and Shoring (8 hrs)

2001: Pathfinder Office GPS/GIS Training

2000: Geoarchaeology Workshop (sponsored by the Council for West Virginia Archeology)

1995: Castell Henllys Archaeological Field School, University of York, England Excavation of an Iron Age hillfort near Fishguard, Wales. Geophysical survey and gravestone study of a medieval monastery at Clonmacnoise, Ireland

Archaeological Field and Lab Experience:

Phase III Experience

Mr. Anderson has participated in several phase III archeological investigations of both prehistoric and historic sites. Examples of this experience include:

- Field Technician for the phase III data recovery of the Village of Monterey. This free black community was established prior to the Civil War and lasted through the Reconstruction Era.
- Field Technician for the phase III data recovery of McConnell Station in Bourbon County, Kentucky.
- Field Technician for the phase III data recovery of a Mississippian site in Rockport, Indiana.
- Field Technician for the phase III data recovery of an Archaic site in Cass County, Indiana.

Phase II Experience

Mr. Anderson has participated in several Phase II National Register evaluations. Examples of this experience include:

- Field Director for the phase II National Register evaluation of a historic mid-nineteenth century residence (15Md434), an Archaic and Middle Woodland habitation on the Otter Creek floodplain

(15Md438), and an Early Archaic through Fort Ancient habitation and historic nineteenth century residence on an upland setting (15Md440).

- Field Director for the phase II testing of prehistoric (Late Archaic, Early Woodland, Middle Woodland, Late Woodland, Late Prehistoric) site 15Mm140.
- Field Director for the phase II testing of a multi-component (Early/Late Archaic, Early Woodland), prehistoric site (15FI104) in Fleming County, Kentucky.
- Field Director for the phase II testing of 2 multi-component prehistoric sites (15Ht73: Late Archaic – Late Woodland, 15Ht74: Paleo-Indian – Late Woodland) in Hart County, Kentucky.
- Field Director for the phase II testing of a Woodland site (15Gd69) in Garrard County, Kentucky.
- Field Technician for the phase II testing of a late eighteenth century log cabin site in Delaware County, Indiana

Phase I Experience

Mr. Anderson has supervised and participated in numerous phase I reconnaissance projects in the eastern United States. Examples of this experience include:

- Field Director for a 10,000 acre phase I survey for the Camp Atterbury military base in Edinburgh, Indiana.
- Crew Chief for a 2,500 acre phase I survey for the Fort Indiantown gap military base in Lebanon, Pennsylvania.
- Field Director for a phase I survey for the proposed Laurel Gorge Trail in Elliott County, Kentucky. The survey was conducted for the U.S. Army Corps of Engineers, Huntington District.

Selected Technical Reports:

- (2010) *Cultural resource survey for the proposed expansion of existing facilities associated with the Pond Creek 1 coal mine in Williamson County, Illinois*. Report prepared for University of Louisville. Contract Publication Series 10-036. Cultural Resource Analysts, Inc., Lexington, Kentucky.
- (2009) *An Archaeological Survey of the Proposed Sanders Elementary School Safe Routes to School Multi-use Path in Jefferson County, Kentucky*. Report prepared for University of Louisville. Contract Publication Series 09-144. Cultural Resource Analysts, Inc., Lexington, Kentucky.
- (2009) *Cultural Resource Survey of the Permitted Spurlock Station Landfill in Mason County, Kentucky*. Report prepared for East Kentucky Power Cooperative. Contract Publication Series 09-012. Cultural Resource Analysts, Inc., Lexington, Kentucky.
- (2008) *An Archaeological Survey of the Proposed Reconstruction of KY 2 in Greenup County, Kentucky (Item No. 9-132.00)*. Report prepared for the Kentucky Transportation Cabinet. Contract Publication Series 08-090. Cultural Resource Analysts, Inc., Lexington, Kentucky.
- (2008) *Cultural Archaeological Investigations of the Preferred I-66 Alternate in Laurel and Pulaski Counties, Kentucky (Item Number 8-.059.10)*. Report prepared for the Kentucky Transportation Cabinet. Contract Publication Series 07-250. Cultural Resource Analysts, Inc., Lexington, Kentucky.
- (2007) *An Archaeological Survey Of The Industrial Drive Extension In Lebanon, Marion County, Kentucky (Item No. 4-138.00)*. Report prepared for Third Rock Consultants, LLC. Contract Publication Series 06-202. Cultural Resource Analysts, Inc., Lexington, Kentucky.
- (2007) *Phase II National Register Evaluation Of Site 15Ma280 Within The Proposed Berea Connector Project In Madison County, Kentucky (Item No. 7-192.00)*. Report prepared for T.H.E. Engineers, Inc. Contract Publication Series 06-140. Cultural Resource Analysts, Inc., Lexington, Kentucky.
- (2006) *An Archaeological Survey Of The Proposed Reconstruction/Relocation Of Us 27 From KY 34 North Of Lancaster To Us 150 At Stanford In Garrard And Lincoln Counties, Kentucky (Item No. 7-196.00)*. Report prepared for American Consulting Engineers, PLC. Contract Publication Series 06-027. Cultural Resource Analysts, Inc., Lexington, Kentucky.
- (2006) *A Cultural Resource Survey Of The Proposed Improvement Of River Road In Perry County, Indiana*. Report prepared for Redwing Ecological Services, Inc. Contract Publication Series 06-009. Cultural Resource Analysts, Inc., Lexington, Kentucky.
- (2005) *An Archaeological Survey of the Proposed KY-313 Realignment and the Phase II National Register Evaluations Of Sites 15Md434, 15Md438, And 15Md440 In Meade County, Kentucky (Item Number 4-297.00)*. Report prepared for T.H.E. Engineers Inc. Contract Publication Series 05-025. Cultural Resource Analysts, Inc., Lexington, Kentucky.

- (2004) *An Archaeological Survey of the Proposed Construction of I-66 in Laurel and Pulaski Counties, Kentucky (Item Number 8-059.01)*. Report prepared for HMB Professional Engineers, Inc. Contract Publication Series 04-118. Cultural Resource Analysts, Inc., Lexington, Kentucky.
- (2004) *Phase II National Register Evaluation Of Sites 15Mm165, 15Mm166, And 15Mm173 In Montgomery County, Kentucky*. Report prepared for Mt. Sterling-Montgomery County Industrial Authority. Contract Publication Series 04-068. Cultural Resource Analysts, Inc., Lexington, Kentucky.
- (2003) *A National Register Evaluation Of Site 15Mm140 In Montgomery County, Kentucky (Item Number 7-320.00)*. Report prepared for Palmer Engineering. Contract Publication Series 02-238. Cultural Resource Analysts, Inc., Lexington, Kentucky.
- (2003) *An Archaeological Survey of the Proposed Relocation of US 27 in Garrard County, Kentucky (Item No. 7-26.01)*. Report prepared for GRW Engineers, Inc. Contract Publication Series 02-215. Cultural Resource Analysts, Inc., Lexington, Kentucky.
- (2002) *A National Register Evaluation of Sites 15Ht73 and 15Ht74 in the Proposed I-65 Rest Area (Item No. 4-11.00), Hart County, Kentucky*. Report prepared for Palmer Engineering.
- (2002) *Phase II National Register Evaluation Of Archaeological Site 15Gd69 Within The Proposed KY 52 Upgrade In Garrard County, Kentucky (Item No. 7-302.03)*.
- (2002) *An Archaeological Survey Of The Proposed KY 979 Reconstruction In Floyd County, Kentucky (Item No. 12-301.30)*.
- (2001) *An Archeological Survey For A Proposed Quarry Operation In Harrison County, Indiana. Prepared For Mulzer Crushed Stone, Inc.*
- (2001) *An Archaeological Survey Of The Proposed KY11 Up-grade (Item No. 9-174.0) and A Phase II National Register Evaluation Of 15fl104 (Item No. 9-175.0) In Fleming County, Kentucky*. Report prepared for Palmer Engineering.
- (2000) *An Archaeological Survey of the Proposed Realignment of KY 7, in Elliott County, Kentucky*. Report prepared for Commonwealth Technology, Inc.
- (1997) *Archaeological Field Reconnaissance, Medical Clinic, Franklin County, IN (ARMS # 97FR21)*. Prepared for Beumer and Associates. Archaeological Resources Management Service. Muncie, Ball State University.
- (1996) *Archaeological Field Reconnaissance, US 6 Borrow Pits, DeKalb County, IN (ARMS # 96FR22)*. Archaeological Resources Management Service. Muncie, Ball State University.
- (1995) *Archaeological Field Reconnaissance, Bridge #61, Hamilton County, IN (ARMS # 95FR86)*. Prepared for Beam, Longest and Neff, Inc. Archaeological Resources Management Service. Muncie, Ball State University.
- Anderson, J. M. and A. P. Bradbury (1999) *A Phase I Archaeological Survey Of Proposed Wastewater Systems Improvements In Daviess County, Kentucky*. Report prepared for Quest Engineers, Inc.
- Anderson, J. M. and T. A. Faberson (2007) *National Register Evaluation Of Sites 15Gd87 And 15Gd89 For The Proposed Relocation Of U.S. 27 In Garrard County, Kentucky (Item No. 7-26.01)*. Report prepared for GRW Engineers, Inc.
- Clay, R. B., J. M. Anderson, J. T. Kirkwood, and K. Baynard (2001) *Archaeological and Cultural Historic Overview for the Reconstruction of KY 11 in Montgomery County, Kentucky*. Report prepared for Commonwealth Technology, Inc.

Presentations at Professional Meetings:

- Bradbury, A. P., J. M. Anderson and M. D. Richmond (2002) *An Early Side-Notched Hunting Stand: Excavations at 15F1104, Fleming County, Kentucky*. Presented at the 19th annual Kentucky Heritage Council Archaeological Conference, Frankfort, KY.

Affiliations:

- Register of Professional Archaeologists (RPA), 2001 - present
- Archaeological Institute of America (AIA), 2002 - present
- Society for Historical Archaeology (SHA), 2002
- North American Cartographic Information Society (NACIS), 2001-2002