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Jason M. Anderson, MA		Director of Cartography and GIS	
Availability: Immediate	Email: anderson@crai-ky.com	Specific Duties:	Education and Training:
		<ul style="list-style-type: none"> Cartography, data analysis and programming using Geographic Information Systems (GIS) and Computer Aided Design and Drafting (CADD) 	<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			
Director of Cartography and GIS	CADD/GIS Specialist / Archaeological Field Supervisor	Archaeological Field Director	
Cultural Resource Analysts, Inc. 2016 - present	Cultural Resource Analysts, Inc. 1999 - 2016	Midwest Environmental Consultants, Inc. 1996 - 1997	
<p>Mr Anderson has over 25 years of archaeological and geographic information systems (GIS) experience. He has completed a master's degree in anthropology with an emphasis on the application of GIS technology to the interpretation of archaeological settlement patterns. He has been an employee of CRA since 1998 and has served as an Archaeological Field Supervisor responsible for managing fieldwork and authoring reports for projects at the survey and testing phases. Currently, he serves as Director of Cartography and GIS. 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 ESRI ArcGIS and Autodesk AutoCAD 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.</p> <p>Experience and Expertise:</p> <ul style="list-style-type: none"> Geographic Information Systems (GIS) Computer Aided Design and Drafting (CADD) Viewshed Analysis (Bare Earth DEM and LiDAR-based Digital Surface Modeling) Computer programming Web-site administration and design Prehistoric archaeology <p>Cartography and Geographic Information Systems Skills:</p> <p>Mr. Anderson's GIS experience includes extensive use of ArGIS and AutoCAD for cartographic design, analysis, and data conversion. Using Python, AutoLISP, and other programming languages, he has designed several custom GIS programs and user interfaces to assist in cultural resource and environmental interpretation. Mr. Anderson performs viewshed analysis to interpret the visual impact of proposed projects using Lidar data. He is also responsible for setting up Trimble GPS units and ESRI's Field Maps for data</p>			

collection.

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)

Phase II Experience (Transportation)

- 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 (15F1104) 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.

Selected Technical Reports (Transportation)

(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) *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.

(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) *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.

(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)*.

Anderson, J. M. and A. P. Bradbury (1999) *A Phase I Archaeological Survey Of Proposed Wastewater*

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.