



cultural resource analysts, inc

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Robert C. Donahue, MA, RPA		Field Supervisor
<b>Availability:</b> Immediate <b>Email:</b> rcdonahue@crai-ky.com	<b>Specific Duties:</b> <ul style="list-style-type: none"> <li>• Field supervisor</li> <li>• Prehistoric archeology</li> <li>• Artifact analysis</li> <li>• Report preparation</li> </ul>	<b>Education and Training:</b> <ul style="list-style-type: none"> <li>• M.A. interdisciplinary archaeological studies, University of Minnesota, Minneapolis, Minnesota</li> <li>• B. S. interdisciplinary environmental science, Northland College</li> </ul>
Experience Summary Information		
<b>Field Supervisor</b> Cultural Resource Analysts, Inc. 2007 – present	<b>Field Supervisor Archaeology and Geomorphology, Field/Laboratory Technician Archaeology and Geomorphology</b> Duluth Archaeology Center 2001 – 2007	<b>Field Supervisor Geomorphology, Field/Laboratory Technician Archaeology and Geomorphology</b> University of Minnesota Duluth Archaeometry Laboratory 1998 – 2001
<p><b>Mr. Donahue</b> is currently an Archaeological Field Supervisor and Geoarchaeologist and has worked on projects in Kentucky, Indiana, Illinois, and Missouri. In his earlier work in the Upper Midwest he planned and supervised archaeological Surveys, Excavations, Monitoring and Tribal Consultation programs in Minnesota and Wisconsin and helped write several Historic Preservation Management Plans. He helped plan and supervised several geomorphology projects in support of archaeology in Minnesota and North Dakota. He is also experienced in laboratory and field sediment analysis and phytolith extraction. He has the most experience in the geographical regions from the Northern Plains and Great Lakes to the Upper and Lower Mississippi Valley but for the last year and a half has worked primarily in Kentucky. He has presented papers on topics ranging from geomorphology to traditional cultural properties at regional and national archaeological conferences. He is experienced in prehistoric and proto-historic archaeology and has specialized skills in geomorphic analysis and site formation but has also supervised and worked on numerous projects focusing on or incorporating an historic component.</p> <p><b>Archaeology Experience:</b></p> <ul style="list-style-type: none"> <li>• 8 week Archaeology Field School</li> <li>• 13 weeks academic appointments</li> <li>• 273 weeks total Professional Field and Laboratory/Writing</li> <li>• Prehistoric/Protohistoric: 99 weeks</li> <li>• Historic: 32 weeks</li> <li>• General Laboratory/Writing (Prehistoric and Historic): 117.5 weeks</li> </ul> <p><b>Geomorphology in Support of Archaeology Experience:</b></p> <ul style="list-style-type: none"> <li>• 27.5 weeks total Field and Laboratory/Writing (13 weeks Field and 14.5 weeks Laboratory/Writing)</li> </ul> <p><b>Experience General:</b></p> <ul style="list-style-type: none"> <li>• Co authored 94 Technical Reports including Phase I Survey, Phase II Evaluation, Phase III Data Recovery, and Cultural Resource Management Plans</li> </ul>		

- Experienced in the use of sediment coring equipment, trenching, and laboratory techniques for sediment analysis
- Has used the following computer applications in research and professional projects: FileMaker Pro, Corel WordPerfect, and Paradox, Microsoft Powerpoint, Word, Excel, Access, Adobe Photoshop, AutoCAD 2001-2005, Surfer 8, ArcGIS, Maptech Terrain Navigator

**Experience Specific:**

- 2007–Present., Staff Archaeologist/Geoarchaeologist Cultural Resource Analysts, Inc., Lexington, Kentucky, 97 weeks total (40 hr weeks)
- June 2009–Present Archaeological Deep Testing and Site Evaluation of Sites on US 127 for Kentucky Transportation Cabinet, 4 weeks field, 5 weeks writing
- December 2008–January 2009, Archaeological Deep Testing, West Franklin, Indiana, 2 weeks field, 2 weeks writing
- November 2008–January 2009, Archaeological Deep Testing at Equality Boot, Ohio County, Kentucky, 2 weeks field, 20 hr writing
- August 2008, Phase III data Recovery and Deep testing, Rocky Mountain Express gas Pipeline, Morgan County, Illinois, 2 weeks field
- July and November 2008, Site Evaluation, Hoosier Heartland project, Indiana DOT, 4 weeks field
- June 2008, Field Reconnaissance of Shuteye Creek Wind Farm for Ecology and Environment, 2 weeks field and writing
- May 2008, Survey Lower Howard's Creek Nature and heritage Preserve, Kentucky, 2 weeks field
- January 2008–July 2008, Survey and Evaluation of Sites on I66 for Kentucky Transportation Cabinet, 9 weeks. field, 14 weeks writing
- Dec 2007–Present, Survey for Coal Companies in Eastern Kentucky, Approximately 15 weeks field and writing
- Oct/Nov 2007, Site Evaluation of 15Jf720 for Kentucky Transportation Cabinet, 2.25 weeks field 4 weeks report
- Oct 2007, A Culture Resource Survey of the Proposed Riverport West Site McCracken County, Kentucky, 1.25 week field
- Aug/Sept 2007 Volunteer, research excavation at Hovey Site (12PO10), Mt. Vernon IN (4 weeks)
- 2005–2007. Archeological Field Supervisor, Duluth Archaeology Center, September 2006, Site Monitoring Program for Prehistoric sites, St. Louis River Hydroelectric Project for Minnesota Power, (1.5 weeks)
- August/Sept 2005, Site Evaluation of Four Sites, St. Louis River Hydroelectric Project for Minnesota Power, (2.5 weeks)
- Aug/Sept 2005, Site Monitoring Program for Historic Sites, St. Louis River Hydroelectric Project for Minnesota Power, (1 week)
- May/June 2005, Site Monitoring Program for Prehistoric sites, St. Louis River Hydroelectric Project for Minnesota Power, (1 week)
- 2002–2006. Geomorphic Field Supervisor, Duluth Archaeology Center. placed, described and sampled sediment cores for MnDOT project S.P. 14-622-06, (1 week) field work, described and sampled sediment trenches for MnDOT Projects S. P. 54-63x-xx and S. P. 54-639-32, (4 weeks) field work, approved as sediment coring field supervisor by MnDOT
- 2003–2005. Phytolith Analysis , extraction of phytoliths from sediment samples using heavy liquid, Duluth Archaeology Center, Jan., March, August-September 2003, April, May 2004, 2005, (4 weeks); microscope scanning May, June 2004, (0.5 week)
- 2001–2007. Archaeological Field/Laboratory Technician, Duluth Archaeology Center surface survey, shovel testing, excavation and site monitoring, identified, analyzed and cataloged artifacts, assisted in Phase I, Phase II, and Phase III final reports as well as literature searches, Historic Properties management Plans and Phase I historical survey on projects for MnDOT, Minnesota Power, City of Thief River Falls Utility dept, Northland Community and Technical College Thief River Falls Minnesota, Hubbard County Highway Department, Lake of the Woods County Highway Department, Koochiching County Environmental Services Division, St. Louis County Department of Public Works, Fond du Lac Reservation, City of Duluth (120 weeks)
- 1999–2001. Archaeological Crew Supervisor, University of Minnesota Duluth, Phase III excavation at Jim Regan Site (21SL875), May/June 2001, (1 week)

- University of Minnesota Duluth, Phase II excavation of Hummingbird Mound Site (21CW65), April/May 2000, (1 week)
- University of Minnesota Duluth/Volunteer, Phase II excavation of Terrace Ridge Site (21SL391), May 1999, (1 week)
- 2000–2001. Field Supervisor, Geomorphic sediment coring, University of Minnesota Duluth,
- November 2000 to Oct. 2001, placed, described and sampled sediment cores for MnDOT projects S.P. 2310-22, S.P.7903-41, (1 week) field work, approved as sediment coring field supervisor by MnDOT
- 1999–2000. Teaching Assistant, Geography of Soils, Geography Department, University of Minnesota Duluth, Fall 2000, (1 week) field and laboratory work
- Teaching Assistant , Archaeological Field School, University of Minnesota Duluth, Summer 1999-2000, Assistant Field/Laboratory Supervisor (13 weeks)
- 1998–2001. Field/Laboratory Technician, University of Minnesota Duluth, CRM Summer 1998 to Oct. 2001, surface survey, shovel testing, and excavation, identified, analyzed and cataloged artifacts, assisted in Phase I, Phase II and final reports, prepared computer graphics and scanned materials and maintained databases on projects for MnDOT, Minnesota Power, Crane Lake Sanitation District, St. Louis County dept. of Public Works, Fond du Lac Development (60 weeks)
- 2002. Sediment Analysis, Grain size (Bouyoucous Hydrometer method), Organic Carbon (combustion method), extraction of charcoal for AMS dating, (1 week) laboratory work on USFS excavation of Reagan Site (21SL875)
- 1998–2001. Sediment Analysis, Archaeometry Laboratory, University of Minnesota Duluth, Grain size (Bouyoucous Hydrometer, Microstratigraphic Short Method), Organic Carbon/Carbonate (Combustion Method), Colormetric determination of Total Inorganic Phosphorous, (1.5 weeks) laboratory work on MnDOT projects S.P. 7903-36, S.P. 7903-41, S.P. 2310-22, laboratory analysis of sediments from Fish Lake Dam Site (21SL15), (4 weeks)
- 1998. Archaeological Field School, University of Minnesota, Fish Lake Dam Site (21SL15), Multi component (Paleo-Historic) site (8 weeks)

#### **Additional Training:**

OSHA Excavation, Trenching and Soil Mechanics training, Eastern Kentucky University OSHA Training Institute

Geoarchaeology Workshop, Center for American Archaeology, Kampsville Illinois (Dr. Gregory Vogel, instructor)

#### **Technical Reports (Representative Sample):**

In progress Donahue, R. C. *A Phase II National Register Evaluation of Sites 15Ct86, 15Ct87, 15Ct88, 15Ct105, 15Ct110, 15Ct112, and 15Ct142 for the Proposed Albany Bypass of U.S. 127, Clinton County, Kentucky (Item Numbers 8-260.01 and 8-165.00)* Report Prepared for the Kentucky Transportation Cabinet, Cultural Resource Analysts Contract Publication Series 09-138

10-09 Donahue, R. C., and Stephenson, D. J. *Phase II National Register Evaluation of Site 15Sc317in Scott County, Kentucky.* Report Prepared for BL Companies, Cultural Resource Analysts Contract Publication Series 09-195

02-09 Donahue, R. C., and Martin, A., V *A Phase IA Archaeological Reconnaissance Survey, Phase IB Intensive Archaeological Investigations at Five Archaeological Sites, and Phase IC Deep Archaeological Testing for the Proposed Sitran Evansville-Western Project in Posey County, Indiana* Report Prepared for SITran LLC, Cultural Resource Analysts Contract Publication Series 08-166

11-08 Donahue, R. C. *A Cultural Resource Survey of a Proposed Amendment to a Leeco Inc. Coal Mine Operation on Lick Fork in Letcher County, Kentucky (Permit Application Number 867-0486, Amendment 1)* Report Prepared for CBC Engineers, Cultural Resource Analysts Contract Publication Series 08-142

11-08 Anderson, J. M. Donahue, R. C., and Martin, A., V.. *Archaeological Investigations of the Preferred I66 Alternate in Laurel and Pulaski County Kentucky (Item 8-059.10)* Report Prepared for the Kentucky Transportation Cabinet, Cultural Resource Analysts Contract Publication Series 07-250

02-08 Martin, A. V., Donahue, R. C. *A Phase II National Register Evaluation of Site 15Jf720 of the Proposed East End Bridge of the Louisville-Southern Indiana Ohio River Bridges Project (LSIORP)*

- Jefferson County, Kentucky (Item Number 5-118.00)*. Report Prepared for the Kentucky Transportation Cabinet, Cultural Resource Analysts Contract Publication Series 07-214
- 07-16 Mulholland, S.C., Farrell, M.P., Donahue, R.C., and Mulholland, S.L. March. Phase I Archaeological and Geomorphic Investigations for Minnesota Bridge 6632/North Dakota Bridge 09-142-04.0 Replacement on CSAH 39, Norman County, Minnesota and County Road 26, Cass County, Minnesota. Final report to Minnesota Department of Transportation. 77p
- 07-07 Mulholland, S.C., Donahue, R.C., and Mulholland, S.L. May. *Documentation of Specific Features on the Bergerson Site, 21SL830, Lot Number 7, Whiteface Reservoir, St. Louis River Hydroelectric Project, St. Louis County, Minnesota*. Report to Minnesota Power. 32 p.
- 07-05 Mulholland, S.C., Donahue, R.C., and Mulholland, S.L. March. *Monitoring Visits to Archaeological Sites on Existing Shorelines of the Reservoir Lakes, 2006 Season, St. Louis River Hydroelectric FERC Project No. 2360, St. Louis County, Minnesota*. Report to Minnesota Power. 179 p.
- 06-22 Mulholland, S.L., Donahue, R.C., and Mulholland, S.C. May. *Curation Review and Reorganization*. Letter report to Minnesota Power. 7 p.
- 06-21 Mulholland, S.C., Donahue, R.C., and Mulholland, S.L. May. *Annual Report of Cultural Resource Management Activities on the St. Louis river Hydroelectric Project (FERC License #2360; MHS File Referral No. 89-0933), St. Louis and Carlton Counties, Minnesota: 2005*. Report to Minnesota Power. 34 p.
- 05-20 Mulholland, S.C. and Donahue, R.C. December. *A Final Report on Tribal Consultation, the Blanchard Hydroelectric Project (FERC No. 346), Morrison County, Minnesota*. Report to Minnesota Power. 36 p.
- 05-19 Mulholland, S.C., Mulholland, S.L., and Donahue, R.C. December. *Phase I Archaeological Survey of the Lower Swan River at the Blanchard Hydroelectric Project (FERC No. 346), Morrison County, Minnesota*. Report to Minnesota Power. 66 p.
- 05-18 Mulholland, S.C., Mulholland, S.L., and Donahue, R.C. December. *Phase I and II Archaeological Investigation of the East Portion of the Terrace Ridge Site (21SL391), Fish Lake Reservoir, St. Louis County, Minnesota*. Report to Minnesota Power. 54 p.
- Mulholland, S. C., Donahue, R. C., and Roise, C. *Historic Properties Management Plan for the Blanchard Hydroelectric Project (FERC No. 346), Morrison County, Minnesota*. Draft Report submitted to Minnesota Power, Duluth Archaeology Center Report No. 04-08, Duluth Archaeology Center, Minnesota
- Mulholland S. C., Mulholland S. L., Donahue R. C., and Shafer J. R. *Phase III Archaeological Data Recovery: The Hummingbird Mound Site (21CW65), Crow Wing County Minnesota*. Submitted to Minnesota Dept. Of Transportation. Duluth archaeology Center Report No. 03-08, Duluth archaeology Center, Minnesota
- Mulholland S.L., Shafer J.R., Donahue R.C., and Mulholland S.C. *Cultural Resources Development Training Session for Northland Community and Technical College, Thief River Falls, Minnesota*. Duluth Archaeology Center Report No. 02-06, Duluth Archaeology Center, Minnesota
- Mulholland, S.C., Mulholland, S.L., Dunn, E.A., Pulford, M., Donahue, R., 1999. *Phase I Literature Review for the Blanchard Hydroelectric Project (FERC No. 346) Morrison County Minnesota*. Submitted to Minnesota Power. Archaeometry Laboratory Report No. 99-22, University of Minnesota-Duluth, Minnesota

#### **Presentations:**

- Donahue, R. C., Bonzani, R., M, and Haney, J., M.. *Evidence for the Use of Squash in an Early to Middle Archaic Rockshelter (15LI378) in Laurel County Kentucky*. Presented at the 66<sup>th</sup> Annual Southeastern Archaeological Conference, November 2009.
- Donahue, R. C., Mulholland, S. L. *The Big Rice Site (21SL163, USFS# 09-034), 2000 Years of Occupation at a Wild Rice Camp in Northeastern Minnesota*. Presented at Council For Minnesota Archaeology Professional Symposium, February 2007
- Mulholland, S. L., Mulholland, S. C., Donahue, R. C. St. Louis River Watershed Teacher Workshop presented by Minnesota Power, June, 2006
- Curtis, M., Donahue, R. C., Mulholland, S. L., Shafer, J., *Whose Woods These are I Think I Think I Know: Learning About the Pre-Contact/Contact Landscape and the Cultures of the Boulder Lake*

*management Area*. St. Louis River Watershed Teacher Workshop presented by Minnesota Power, June 15, 22, 2005

Donahue, R. C., *A Few New Artifacts From Fish Lake and Boulder Lake in the Reservoir Lakes Region and Fall Lake in Northeastern Minnesota*. Presentation at Lake Superior Basin Workshop, March 2005

Donahue, R. C., Mulholland, S. C., Mulholland, S. L., *The Reservoir Lakes of Northeastern Minnesota, and Example of Dynamic Cultural resource Management*. Paper Presented at Council For Minnesota Archaeology Professional Symposium, February 2005

Donahue R. C., *Site Formation at the Big Rice Site (21SL163, FS# 09-09-034), an Example of Ancient Human Alteration of a Landscape*. Paper Read at Council for Minnesota Archaeology Public Symposium, Minnesota Archaeology Week, May 2004

Mulholland, S. L., Donahue R. C., *Submerged Sites in Reservoirs on Exposed Beaches*, Presentation at Lake Superior Basin Workshop, March 2004

Donahue, R. C., *Site Formation at the Jim Regan Site 21SL875, a Folsom Site in Northeast Minnesota*. Paper Presented at 49<sup>th</sup> Annual Midwest Archaeological Conference, October 2003

Mulholland S.L., Shafer J.R., Donahue R.C. *Cultural Resources Development Training Session for Northland Community and Technical College, Thief River Falls, Minnesota*. Faculty Training session on Archaeology May 2002

Mulholland, S.C., Mulholland S.L., Donahue,R.C., *A Folsom Site in Northeast Minnesota*, Presented at Annual meeting of Society for American Archaeology, March 2002

Donahue, R.C., *Total Phosphate Concentrations as Occupation Markers in Northern Forest Soils*. Paper Presented at 47<sup>th</sup> Annual Midwest Archaeological Conference, November 2001

Donahue, R.C., *A Scenario for Soil Development at the Fish Lake Dam Site (21SL15)*. Paper Presented at 58<sup>th</sup> Annual Plains Anthropology Conference, November 2000

**Professional Organizations:**

- Council for Minnesota Archaeology
- Archaeological Institute of America
- Southeastern Archaeological Conference
- Kentucky Organization of Professional Archaeologists (KyOPA)