



November 25, 2019

The Hon. Mona A. Foley
Clerk of the Circuit Court
City of Williamsburg & James City County
5201 Monticello Ave.
Suite 6
Williamsburg, VA 23188

Re: Carol D. Tyrer and Circa ~ Cultural Resource Management, LLC v. Julie Langan, in her official capacity as Director of Virginia Department of Historic Resources, *et al.*, CL190001867-00

Dear Ms. Foley:

Enclosed for filing please find the Monacan Indian Nation's Motion for Leave to File an *Amicus Curiae* Brief, proposed *Amicus Curiae* Brief, and proposed Order for the Court's consideration.

Thank you for your assistance.

Sincerely,

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Michael H. Brady, Counsel for Carol Tyrer and Circa~ Cultural Resource Management, LLC
Donald Anderson, Deputy Attorney General for the Commonwealth of Virginia, Counsel for Julie Langan, in her official capacity as Director of Virginia Department of Historic Resources, *et al.*

VIRGINIA:

**IN THE CIRCUIT COURT FOR THE CITY OF WILLIAMSBURG
AND JAMES CITY COUNTY**

CAROL D. TYRER and)	
CIRCA~ CULTURAL RESOURCE)	
MANAGEMENT, LLC,)	
)	
Petitioners-Appellants-Plaintiffs,)	
)	
v.)	CL190001867-00
)	
JULIE LANGAN, in her official capacity as)	
Director of the Virginia Department of Historic Resources)	
)	
and)	
)	
VIRGINIA DEPARTMENT OF HISTORIC)	
RESOURCES,)	
)	
Respondents, Appellees-Defendants.)	
)	

**MONACAN INDIAN NATION’S MOTION TO FILE AN *AMICUS CURIAE* BRIEF IN
SUPPORT OF RESPONDENTS**

The Monacan Indian Nation moves the Court pursuant to Rule 5:30 of the Rules of the Supreme Court of Virginia to grant this Motion to file the proposed *amicus curiae* brief in support of the Respondents, Julie Langan, in her official capacity as Director of the Virginia Department of Historic Resources, and Virginia Department of Historic Resources.¹ The *amicus*

¹ The Monacan Indian Nation, though its counsel, certifies that we have sought to obtain the consent of all parties. Counsel for the Respondents DHR and Julie Langan have consented. Counsel for Petitioner confirmed receipt of counsel’s request and promised a response but has not provided one as of the time of this filing.

curiae brief addresses the following issues raised in the petition: the correctness of DHR’s decision to disqualify Petitioners-Appellants-Plaintiffs Carol D. Tyrer and Circa~ Cultural Resource Management, LLC (“Tyrer” and “Circa”) from further work on the James River Water Authority’s (JRWA) burial permit because of Tyrer’s failure to meet required educational and professional standards, which renders her incapable of reliably assessing the existence of human remains and other historic and cultural resources at Rassawek, the historic capital of the Monacan people.

For the reasons set forth below, the Court should grant the Monacan Indian Nation leave to file an *amicus curiae* brief because the Tribe has a direct and significant interest in the Court’s disposition of this appeal:

1. This appeal concerns issues of importance for the Monacan Indian Nation, whose historic capital, Rassawek, now known as Point of Fork, Virginia, has been adversely affected by the activities of Tyrer and Circa as part of their work on behalf of JRWA’s proposed plan to construct a water pumping station on top of Rassawek.

2. The Monacan Indian Nation is an American Indian tribe officially recognized by the Commonwealth of Virginia and the United States. The Tribe is headquartered on Bear Mountain in Amherst County, Virginia, and continues to maintain ties to ancestral lands in the region, including Rassawek and the area surrounding it. At European contact, Monacans occupied the Piedmont area of Virginia from the fall line of the rivers to the Blue Ridge mountains, an area that includes Rassawek.

3. The Monacan Indian Nation is participating in the state and federal environmental review process for the proposed JRWA project, including reviews pursuant to Section 106 of the

National Historic Preservation Act and National Environmental Policy Act and consultation on two state-issued burial permits, the latter of which is at issue in this case.

4. The Monacan Indian Nation became involved in this consultation initially at the request of the Virginia Department of Historic Resources (with reference to the state's required anticipatory burial permit) and at the request of the U.S. Army Corps of Engineers (with reference to the project's application for a permit under Section 404 of the Clean Water Act) in communications in June and July 2017.

5. The Monacan Indian Nation is the only entity with specialized knowledge and expertise about how Tyrer's and Circa's work at Rassawek is affecting and will affect the members of the Monacan Indian Nation.

6. Because of damage already caused to the Rassawek site by the destructive activities of Tyrer and Circa, the Monacan Indian Nation has no faith in any continued work by Tyrer or Circa on the JWRA project.

7. The proposed *amicus curiae* brief provides background information about the significance of Rassawek that is essential for the Court to understand in evaluating the merits of the appeal.

8. The Monacan Indian Nation and its counsel have specialized knowledge and legal authority related to historic preservation and cultural resource law that will assist the Court in resolving issues on appeal, including but not limited to the reasonableness of DHR's decision that JRWA's agent, Tyrer, is unqualified under federal standards, to conduct the work at Rassawek.

9. The Monacan Indian Nation and its counsel have specialized knowledge and legal authority to share with the Court on the issue of deference required to decisions made by state historic preservation officers, including Respondents DHR and Julie Langan.

10. The Monacan Indian Nation and its counsel have specialized knowledge and expertise about the facts of this case that will demonstrate that the decision being challenged on appeal is reasonable and not arbitrary and capricious, in light of admissions by Tyrer and corroborating evidence provided by an affidavit filed by Eric Mai, a whistleblower and former employee of Tyrer and Circa.

WHEREFORE, the Monacan Indian Nation requests that the Court allow it to file the proposed *amicus curiae* brief filed contemporaneously with this Motion.

Respectfully submitted,



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VIRGINIA:

**IN THE CIRCUIT COURT FOR THE CITY OF WILLIAMSBURG
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JULIE LANGAN, in her official capacity as)	
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)	
and)	
)	
VIRGINIA DEPARTMENT OF HISTORIC)	
RESOURCES,)	
)	
Respondents, Appellees-Defendants.)	
)	

[PROPOSED] ORDER

On November 25, 2019, the Monacan Indian Nation filed a Motion for Leave to File an *Amicus Curiae* Brief in Support of Julie Langan, in her official capacity as Director of the Virginia Department of Historic Resources, and the Virginia Department of Historic Resources, Respondents-Appellees-Defendants.

For the reasons set for in the Nation’s Motion and in light of their specialized knowledge that will assist the Court and the public interest in resolving this matter,

IT IS HEREBY ORDERED THAT the Motion for Leave to File an *Amicus Curiae* Brief is GRANTED.

Date: _____

Judge, Williamsburg/James City County
9th Judicial Circuit of Virginia

CERTIFICATE OF SERVICE

The undersigned counsel hereby certifies that on November 25, 2019, the original copy of the foregoing Motion for Leave to File an *Amicus Curiae* Brief, proposed *Amicus Curiae* Brief, and Proposed Order were electronically submitted to the Clerk of Court of Williamsburg & James City County and one copy of the filing was sent by electronic mail and first-class U.S. mail, postage prepaid, to the following counsel of record for the parties:



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VIRGINIA:

**IN THE CIRCUIT COURT FOR THE CITY OF WILLIAMSBURG
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CAROL D. TYRER and
CIRCA~ CULTURAL RESOURCE
MANAGEMENT, LLC,

Petitioners-Appellants-Plaintiffs,

v.

JULIE LANGAN, in her official capacity as
Director of the Virginia Department of Historic Resources

and

VIRGINIA DEPARTMENT OF HISTORIC
RESOURCES,

Respondents, Appellees-Defendants.

CL190001867-00

**MONACAN INDIAN NATION'S *AMICUS CURIAE* BRIEF IN SUPPORT OF JULIE
LANGAN AND THE VIRGINIA DEPARTMENT OF HISTORIC RESOURCES**

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ARGUMENT

The Court should find that the Virginia Department of Historic Resources (“DHR”) acted lawfully and in the public interest when determining that Appellant Carol Tyrer does not meet the U.S. Secretary of Interior’s (“SOI”) Professional Qualification Standards (“Standards”) for archaeology.

- This brief’s Background section provides essential facts that Appellant tellingly declined to include in her brief and that provide critical context for evaluating this controversy.
- Part I explains why Appellant is not qualified under the SOI Standards designed to protect cultural heritage from harm.
- Part II explains why DHR has the authority to determine whether Appellant is SOI qualified, and why DHR’s determination deserves deference.

BACKGROUND

The Monacan Indian Nation (“Nation”) is a federally recognized sovereign tribe and a state-recognized tribe in the Commonwealth of Virginia, headquartered on Bear Mountain in Amherst County.¹ Christopher Newport made contact with the Monacans in 1608, and Captain John Smith documented the Monacans in his 1612 Map of Virginia, which shows Rassawek, the capital of the Monacans, located at the confluence of the James and Rivanna Rivers.² At the time of the arrival of the English colonists, the Monacan Confederacy was a sophisticated political

¹ The Monacan Indian Nation was recognized by the Commonwealth of Virginia in 1989. On January 29, 2018, the Nation received federal recognition when President Trump signed into law the Thomasina E. Jordan Indian Tribes of Virginia Federal Recognition Act of 2017.

² See Exhibit A. See also John Smith & William Hole, *Virginia* (1624), <https://www.loc.gov/item/99446115/>

alliance whose territory spanned more than half of present-day Virginia.³ Rassawek has been described in early historical accounts as the “chiefest village,” the town to which all other Monacan towns paid tribute.⁴ Rassawek likely had a king’s house, extensive dwelling and ceremonial buildings and landscapes, as well as burial grounds. In the 1880s, the Smithsonian Institution documented extensive burials and remains of many building complexes at Rassawek.⁵ Similar documentation of burials and the remains of a substantial village were recorded in the 1980s by leading Virginia professionals.⁶ Rassawek is comparable in terms of its political importance to the Powhatan Confederacy site of Werowocomoco, now part of the national park system.

In the years after the arrival of the English, the Monacans endured the taking of their land, the killing of their people, and the loss of their way of life.⁷ Yet even as members of the Tribe were expelled from their traditional homelands, care for their ancestors remained an important cultural value. Thomas Jefferson reports that in the 1750s Monacans were observed traveling from long distances back to the burial places of their ancestors along the Rivanna River to perform ceremonies.⁸ Reconnecting with their ancestors’ final resting places continues today to be a strong value of the tribe, and an important link to their history on the landscape.

³ Encyclopedia Virginia, *Monacan Indian Nation* (2019), available at https://www.encyclopediavirginia.org/Monacan_Indian_Nation#start_entry

⁴ Jeffrey Hantman, *Monacan History and Archaeology of the Virginia Interior* in SOCIETIES IN ECLIPSE: ARCHAEOLOGY OF THE EASTERN WOODLAND, AD 1400-1700 107-124 (Smithsonian Institution Press 2001).

⁵ GERARD FOWKE, ARCHAEOLOGICAL INVESTIGATIONS IN JAMES AND POTOMAC VALLEYS (U.S. Government Printing Office) (1894).

⁶ Daniel Mouer, *1985 Archaeology at Point of Fork, Fluvanna County, Virginia*, FLUVANNA COUNTY HISTORICAL SOCIETY SPECIAL BULLETIN (1985).

⁷ JEFFREY HANTMAN, MONACAN MILLENNIUM: A COLLABORATIVE ARCHAEOLOGY AND HISTORY OF VIRGINIA INDIAN PEOPLE 143-46 (U. Va. Press) (2018).

⁸ Encyclopedia Virginia, *Monacan Indian Nation* (2019), available at https://www.encyclopediavirginia.org/Monacan_Indian_Nation#start_entry.

In June 2017 the Nation became aware that the James River Water Authority (JRWA) planned to construct a water intake, pumping station, and water pipeline at Point of Fork, the location of Rassawek at the confluence of the Rivanna and James Rivers in Fluvanna County.⁹ The Nation has subsequently participated in the state and federal environmental review process for the proposed JRWA project, including reviews pursuant to Section 106 of the National Historic Preservation Act and National Environmental Policy Act and consultation on two state-issued burial permits, the latter of which is at issue in this case.

Because JRWA's preferred location for construction would almost certainly necessitate the excavation and relocation of the buried remains of Monacan ancestors, JRWA was required to seek an anticipatory burial permit from DHR in 2017 (for preliminary site investigations) and in 2019 (for permission to excavate burials should the project proceed).¹⁰

JRWA chose Appellant Carol Tyrer and her company, Circa~ Cultural Resource Management LLC ("Circa"), as its archaeological subconsultant. JRWA named Tyrer as the "Principal Investigator" on its burial permit application.¹¹ The principal investigator is supposed to oversee preliminary archaeological investigations and formulate an appropriate plan for dealing with human remains should they be uncovered.

The Nation raised concerns about Circa with JRWA prompted by voluminous and credible negative feedback from the cultural resource management community. Specifically, the Nation was told that Circa is a firm that developers hired when their aim was *not* to find valuable resources at a site. The Nation was also repeatedly told that Circa has frequently won

⁹ Hantman, *supra* note 7, at 84-85.

¹⁰ 17VAC5-20-30. *See* Exhibit B (a letter from DHR to JRWA notifying JRWA of permit issuance), and Exhibit C (2019 Burial Permit Application).

¹¹ *See* Exhibit C.

competitive bids for archaeological work in Virginia by underbidding all competitors and then performing work of highly suspect quality.

On October 17, 2017 DHR sent a letter to JRWA documenting that Tyrer had been found to be violating the requirements of the burial permit at least twice by failing to be on site supervising sensitive archaeological testing, and thereby endangering cultural resources which may include buried remains.¹²

On August 9, 2019 the Nation shared with DHR and JRWA the discovery that Tyrer had plagiarized a large section of her proposed site treatment plan from the doctoral dissertation of Dr. Jessica Herlich. Tyrer did not contest this discovery.

On July 30, 2019, an archaeological professional reported to the U.S. Army Corps of Engineers, with a copy to DHR, that Circa used his name on documents submitted to DHR to provide a misleading impression of the expertise participating in the project data recovery. Daniel Hayes, a geoarchaeologist hired by Circa and listed as an author of Tyrer's site treatment plan, advised DHR "[m]y name was included in this document without my prior knowledge, consent, or review. I neither support the treatment plan as proposed, nor have I agreed to participate in its implementation."¹³

On August 14, 2019 legal counsel for the Nation contacted the university from which Tyrer claimed to have acquired her academic degrees to inquire as to whether she had, in fact, earned the degrees she listed in JRWA's burial permit application—and on who knows how many other applications for state and federal permits over the years (this, we understand, is being

¹² Exhibit D.

¹³ Exhibit G.

investigated by state authorities). The university advised that Tyrer had not earned the graduate degrees she claimed.¹⁴

Tyrer mischaracterized her M.A. in “Liberal Studies with a major in Global Affairs” as a M.A. in “History, Archaeology, and Cultural Studies.” She also claimed to have a second M.A. in English, but in fact had acquired only a certificate in Creative Writing.¹⁵

The Nation forwarded the email exchange with the university to DHR, which conducted its own investigation. DHR confirmed for itself that Tyrer had significantly misrepresented her degrees. DHR invited Tyrer to come to their offices with documentation of her degrees and transcript as it related to the burial permit application for further evaluation.¹⁶

The Court may note that the CV Appellant attached to her brief is not the same CV she attached to the burial permit application in controversy in this matter. Indeed, the only reference Appellant makes to this important context is a footnote—without any explanation—that the CV version she is providing the Court has been “edited to correct errors.” Pet’r’s Br. at n.4.

Each of the above facts—the documented violation of the express requirements of the burial permit, the suspect CV, the plagiarism, the misattribution of authorship—were known to both Tyrer and DHR by the time they met on August 19, 2019. That Tyrer now feigns surprise that DHR called her in to discuss her credentials is disingenuous.

On October 16, 2019 a whistleblower courageously stepped forward.¹⁷ Archaeologist Eric Mai was employed by Tyrer/Circa for more than six years, including when she assigned him

¹⁴ Exhibit H.

¹⁵ *Compare* Exhibit I (the CV submitted with the burial permit applications) *and* Exhibit J (the CV submitted as Exhibit 6 to Petitioner’s Brief).

¹⁶ Exhibit K.

¹⁷ Exhibit L.

to perform archaeological testing at Rassawek related to the burial permit at issue here. Mr. Mai provided a sworn declaration to DHR¹⁸ attesting to the following:

- Tyrer sent an unqualified, untrained, unprepared, and unsupervised field crew to excavate at Rassawek. They lacked academic training, practical experience, direction and the supervision required by law.¹⁹
- Tyrer denied the crew's requests for appropriate technology, training, and guidance to conduct accurate surveys or recover archaeological information, resulting in tests being performed in the wrong places, mistreatment of artifacts, and destruction of resources.²⁰
- Tyrer lied to state officials and demanded that their staff lie about the presence of a supervisor on site and about the qualifications of the project lead and site crew, going as so far to falsify the whistleblower's resume in official submissions without his knowledge.²¹
- Tyrer recruited untrained construction workers to investigate the most sensitive portions of the site targeted for construction. They lacked any experience, supervision, and used destructive equipment.²²
- Tyrer produced Phase I and II reports and a draft treatment plan without consulting the field staff. These reports downplay the scientific findings, mislead about the study techniques used, and contain plagiarism.²³
- Tyrer's conduct at Rassawek was representative of her approach to other worked performed on projects requiring state and federal permits in Virginia, in which she

¹⁸ Exhibit F.

¹⁹ Exhibit F, ¶¶ 17, 18, 20, 21, 31, 36, 38, 63, 69.

²⁰ Exhibit F, ¶¶ 20, 21, 23, 25, 26, 27, 36, 47, 53, 57, 63, 64.

²¹ Exhibit F, ¶¶ 32, 35, 36, 37, 40.

²² Exhibit F, ¶¶ 42, 43, 45, 46, 48.

²³ Exhibit G, ¶¶ 25, 27, 28, 29, 56, 57, 61.

falsified data and instructed staff to do so, and in which she downplayed or ignored critical cultural resources uncovered by staff during investigations of highly sensitive cultural sites in the Commonwealth.²⁴

PART I:

**APPELLANT IS NOT QUALIFIED UNDER THE SOI STANDARDS DESIGNED TO
PROTECT CULTURAL RESOURCES FROM HARM**

Petitioner’s contention that “there is no single set of qualifications”²⁵ to be an archaeologist ignores that the SOI has created a single set of qualifications that establish whether an archaeologist has the proper background to serve as the principal investigator on federal projects. The SOI Professional Qualification Standards outline three required elements—specific academic degrees, professional experience, and products/activities—*all three* of which must be met.

Tyrer Does Not Have the Required Academic Training

There is an obvious explanation for why Tyrer falsified her CV (and why her appeal brief tries to bury this fact). It is because the degrees she claimed to have earned would have qualified her under the SOI standards while the degrees she actually earned do not.

The SOI Standards require that an archeologist “have a graduate degree in Anthropology with a specialization in Historical Archeology, or a graduate degree in Archeology with a specialization in Historical Archeology, or a graduate degree in a closely related field.” The Secretary of the Interior’s Historic Preservation Professional Qualification Standards, 62 Fed. Reg. 33712 (Jun. 20, 1997).

Anthropology, with a specialization in Archeology, is the typical degree discipline for archeologists practicing in the United States. One of the usual requirements

²⁴ Exhibit G, ¶¶ 62, 65, 66, 69.

²⁵ Pet’r’s Br. 5

for receiving the degree is completion of an archeological field school in which the student learns about techniques of survey, excavation, and laboratory processing.²⁶

Although she falsely claimed on her CV submitted to the state to have earned the requisite graduate degree in Anthropology or Archaeology, in fact she had not. Her institution, the University of Denver, certainly offers this exact qualifying degree, but Tyrer did not enroll in it.²⁷

Tyrer's only path, then, is to argue that her degree is in a "closely related field." But that, too, is a non-starter. The SOI Standards go on explain the few alternative degrees that it considers "closely related fields" as follows:

However, degree programs have also been established in Archeology, Cultural Resources Management, Historical Archeology, and Public Archeology. Some Historical Archeology programs are housed in History, Public History, or American Studies Departments. For these degrees, a list of courses taken should be reviewed to determine if the program is equivalent to that typically provided for a degree in Anthropology with a specialization in Archeology, including course work in archeological methods and theory, archeology of a geographic region (e.g., North America), and the field school.²⁸

Tyrer has not earned a graduate degree in any of the programs identified above as acceptable alternatives—presuming appropriate coursework—to the standard degree in Anthropology with a specialization in Archeology. That is where DHR's inquiry could have ended.

But DHR went further—quite generously, after being so blatantly lied to—to examine the actual coursework Tyrer took to acquire her "Liberal Studies" degree. DHR was disturbed to

²⁶ The Secretary of the Interior's Historic Preservation Professional Qualification Standards, 62 Fed. Reg. 33712 (Jun. 20, 1997).

²⁷ See *Department of Anthropology: Archaeology Emphasis*, UNIVERSITY OF DENVER, <https://www.du.edu/ahss/anthropology/programs/graduate/archaeology.html>.

²⁸ The Secretary of the Interior's Historic Preservation Professional Qualification Standards, 62 Fed. Reg. 33713 (Jun. 20, 1997).

discover a complete absence of graduate level courses in archaeology. To be clear, not a single course title in Tyrer's transcript²⁹ even includes the words archaeology or anthropology. She certainly took no courses focused on developing the hard skills and theoretical underpinnings of the science of archaeology, nor does she appear to have even taken a single course involving an archaeological field school. Tyrer cites no such courses in her brief.

Based on well-established canons of statutory interpretation, in promulgating the SOI Standards the federal government clearly intended for “closely related field” to be a narrow classification. That leaves Tyrer in the untenable position of arguing absurdly as she does in her brief that because anthropology involves humans, and some of the courses under her Liberal Studies major also involved humans (e.g., “Philosophy and Spirituality” and “the Human Condition”), she therefore meets the SOI Standards required of a principal investigator of complex archaeological sites.³⁰ Her argument insults and devalues the hard work required by professionals who take the appropriate and highly challenging coursework in this field.

Individuals in the cultural resource management industry are keenly aware that it is necessary to meet the SOI Standards to supervise archaeological projects that are requested or reviewed by Federal agencies. It is common for postings for archaeological supervisor positions to include language requiring that applicants meet the SOI Standards. As the Petition states,³¹ prior to Tyrer receiving a Master's degree in 2012, Circa conducted work subject to the SOI Standards by employing other individuals to serve as Principal Investigators who, unlike Tyrer, *did* have a qualifying Master's degree. Tyrer was obviously aware of these Standards limiting her ability to supervise archaeological projects required under federal law, and this limitation

²⁹ Exhibit M.

³⁰ Pet'r's Br. 25.

³¹ Pet'r's Br. 9

would likely have been a motivating factor in her pursuing graduate work. For an as yet-unknown reason, Tyrer chose not to seek graduate education from any of the myriad Anthropology and Archaeology programs that provide qualifying degrees. However, she began submitting CVs that falsely listed her degree as including “Archaeology” in the name, in a way that would have led reasonable reviewers to believe that she had completed a qualifying graduate degree. Indeed, her deception had the intended effect in Virginia for at least seven years.

According to the SOI Standards, the only time the academic training requirement can be waived is if the individual has “exceptional experience.”³² NPS describes this exception in the following way: “in some cases, a person’s experience and contributions have been so exceptional that he or she demonstrates the level of expertise that meets the Standards. In particular, this may apply in those situations where persons embarked upon their careers *before recognized academic programs were established*.”³³ The SOI Standards were promulgated before Tyrer pursued graduate work. Recognized academic programs in archaeology abounded, yet Tyrer chose not to enroll in them.

Tyrer Does Not Demonstrate Required Professional Experience

Appellant secured work on numerous projects subject to oversight by state and federal agencies based on fraudulent claims to have taken appropriate coursework in the field. DHR refers to this problem in its letter explaining that it has determined that Tyrer is not SOI qualified.³⁴ According to Mai’s sworn declaration, the consequences for her having been successful at this deception have likely been devastating in terms of the likely loss of

³² The Secretary of the Interior’s Historic Preservation Professional Qualification Standards, 62 Fed. Reg. 33713 (Jun. 20, 1997).

³³ *Id.* (emphasis added).

³⁴ Exhibit N.

irreplaceable cultural heritage of the Commonwealth.³⁵ Now Appellant argues that the volume of work she performed in this purposefully destructive manner should bootstrap her into being considered qualified.³⁶ As Mai observed:

I have read the public statements made by the JRWA’s legal counsel that Tyrer must have been qualified to lead the Point of Fork work—notwithstanding her falsified resume—because Tyrer had performed so many prior investigations in Virginia. From my own observations I can attest that one doesn’t become qualified to do quality work by repeatedly getting away with doing poor work.³⁷

We respectfully urge the Court to read the entire Mai declaration. It is remarkable and depressing. While Mai made his bold public declaration *after* DHR determined that Tyrer was not, in fact, principal investigator material, Mai relates shocking information that confirms that DHR was right to have concluded as it did. Indeed, Tyrer’s professional experience was not a substitute for appropriate academic training; the poor quality of her work confirms the missing value of educational preparation.

Upon learning of Mai’s sworn declaration, JRWA itself said that “it takes those allegations very seriously”³⁸ and is conducting its own investigation.

Indeed, Tyrer’s attempts to cover up her unethical practices continue. In a painfully transparent attempt to further cover her deceit, Tyrer applied to be a Registered Professional Archaeologist, having chosen not to apply for the previous seven years since receiving her degree.³⁹ The Court should not assume that Tyrer’s membership with the Register for Professional Archaeologists (“RPA”) is an endorsement of the quality of her work. Although

³⁵ Exhibit F, ¶¶ 26, 51, 52, 56.

³⁶ *See, e.g.*, Pet’r’s Br. 24.

³⁷ Exhibit F, ¶ 72

³⁸ Press Release, James River Water Authority, James River Water Authority Statement on Allegation Regarding Archaeological Consultant (Oct. 23, 2019), available at https://www.fluvannacounty.org/sites/default/files/fileattachments/economic_development/page/8321/2019-10-23_press_release_-_jrwa_statement_on_archeological_consultant.pdf.

³⁹ Pet’r’s Br. 26.

RPA is a well-respected professional organization, the timing of Tyrer's application for membership is extremely suspect. Tyrer was admitted as a member of RPA on October 3, 2019, mere days after the media first reported that she falsified her resume.⁴⁰ Prior to that time it does not appear that Tyrer was a member of any other archaeological organizations or that she participated in any continuing education or conference participation reflective of her involvement in the professional discipline. It is clear that Tyrer only applied for membership in RPA in reaction to DHR and the media uncovering her misrepresentations and as a way of challenging DHR's assessment of her qualifications. Furthermore, the Court should not read Tyrer's membership with RPA as a seal of approval for any of her past work. First, RPA's criteria are different than those of the SOI Standards and do not include an endorsement of quality of work previously conducted by registrants.⁴¹ Second, RPA provides ethical and professional standards by which members must abide, but those standards and the corresponding grievance procedures only apply to current members.⁴² The RPA disciplinary procedures specifically state that RPA only has jurisdiction over violations of its standards that occurred while the individual was an active member.⁴³ For these reasons, the RPA membership is irrelevant to this appeal.

Why It Matters That Tyrer is Unqualified

The professional qualifications and integrity of a principal investigator for excavations under a burial permit matter a great deal because of the importance of having a proper plan when

⁴⁰ See Exhibit L, showing the various news articles on or around Sept. 27, 2019 detailing her misrepresentations.

⁴¹ *Frequently Asked Questions*, REGISTER OF PROFESSIONAL ARCHAEOLOGISTS, <https://rpanet.org/registration-frequently-asked-questions/>.

⁴² *Grievance Procedures*, REGISTER OF PROFESSIONAL ARCHAEOLOGISTS, <https://rpanet.org/grievance-procedure/>.

⁴³ *Id.*

proposing to disturb the dead. Rassawek is important to American (not just American Indian) history. But here, when the dead targeted for disturbance are from a people historically subjected to cultural genocide, the principal investigator's role has particular import.

The Nation has a deep spiritual interest regarding the potential disinterment of the Tribe's ancestors and how these remains are handled if they are disinterred. Furthermore, if archaeological projects are to be conducted on Monacan sites, the Nation has an interest in ensuring that archaeological work is competent, ethical, and thorough so that information about pre-Contact Monacan history is not destroyed. The Nation's and DHR's concerns about the site and about Tyrer's qualifications or lack thereof are based in reasoned assessments of the project proponent, the archaeological work and the consultant, and the extremely sensitive nature of the archaeological and historical sites at risk from this project.

The Nation and DHR are not alone in expressing deep concern about the implications of Tyrer being considered qualified to conduct further work on this site.

- The Council of Virginia Archaeologists has stated: "We would like to express great concern from Virginia's professional archaeological community over the proposed JRWA project and its impact to sites of immense significance. These sites, which are part of the sprawling Village of Rassawek, the pre-Colonial Monacan political capital, are exceedingly important due to their exceptional level of preservation, high potential for the presence of burials, and the fact that they are included in the earliest European documentation of the region. We support the Monacan Nation and recognize how valued these places are for the tribe whose ancestral community was centered on this powerful chiefly village." ⁴⁴

⁴⁴ Exhibit O.

- Preservation Virginia stated “[r]egarding the ethical treatment of the archaeological resources negatively affected by the project, [we] respectfully agree with and refer you to the concerns of the Monacan Indian Nation. . . . where the stakeholder potentially most impacted by the undertaking is at the table—the Monacan Indian Nation—alternatives that might have avoided this significant site should have been explored.”⁴⁵
- Concerned about the plan as proposed by Tyrer, the federal Advisory Council on Historic Preservation (the independent federal authority on preservation issues) has become a consulting party in the federal permitting process for JRWA’s project.⁴⁶

PART II:

DHR HAS THE AUTHORITY TO DETERMINE APPELLANT IS NOT QUALIFIED

The decision to find Tyrer unqualified was not arbitrary or capricious. Overwhelming evidence supports DHR’s finding that Tyrer was unqualified as required by the SOI Standards, and furthermore that she carried out work that was woefully inept and inadequate by industry standards. These evaluations of Tyrer’s work are not mere speculation; she purposefully misrepresented her qualifications on her CV, and a former long-term employee of Tyrer’s has submitted a sworn affidavit detailing the “illegal, unethical, unprofessional, and unscientific practices by Circa in its work generally and at Point of Fork specifically.”⁴⁷

Tyrer attempts to play the victim in this matter. The real victim here, however, is the public whose cultural heritage she has abused or destroyed. Her failure to meet the SOI Standards is not merely a procedural technicality; her lack of qualifications and operation outside

⁴⁵ Exhibit P.

⁴⁶ Exhibit Q.

⁴⁷ Exhibit F, ¶ 9.

of common professional ethical standards have damaged or destroyed archaeological remains at Rassawek and likely on many other sites.⁴⁸

DHR's direct observations of Tyrer's actions, coupled with Mai's sworn declaration, reveal that Tyrer not only conducted incompetent work in the first place, but also went to great lengths to further misrepresent the work she did. Tyrer was fully aware of the inadequacy of her work, and rather than put in the effort to bring her work up to professional standards, she spent her time and energy falsifying CVs and archaeological reports. This deceit has led to very real damage to an archaeological site that holds significant historical, cultural, and spiritual value for the Nation and has great importance to the Commonwealth and the country.

DHR's decision that Tyrer does not meet the SOI Standards of an Archaeologist is entitled to deference by courts—and other agencies on matters related to historic preservation—because it is Virginia's lead executive agency charged with administering the Commonwealth's historic preservation program, which includes burial permits.

Indeed, the Virginia Administrative Code explicitly *requires* DHR to evaluate the qualifications of the archaeologist:

“The director shall consider qualifications of the applicants to complete the proposed research in a scientific fashion. The director shall consider the U.S. Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation, set out at 48 FR 44716 (Sept. 29, 1983), in determining the appropriateness of the proposed research and in evaluating the qualifications of the applicants.”

17VAC5-20-60. Although the Commonwealth's appellate courts have not ruled on this specific issue in the historic preservation context, the Virginia Supreme Court has held that in appeals involving administrative agencies and unless the issue presents a pure question of statutory interpretation—which is not present here—courts should defer to agency decisions

⁴⁸ Exhibit R.

when those decisions “fall within an area of the agency’s specialized competence.” *Virginia Marine Resources Comm’n v. Chincoteague Inn*, 287 Va. 371, 380 757 S.E.2d 1, 5 (2014) (citations omitted). That is the case here.

Likewise, courts across the country commonly defer to historic preservation agencies that are charged with administering their statutes, regulations, and rules when acting within their scope of expertise. Tyrer ignores this authority. Nevertheless, it is black letter law that in matters involving application of historic preservation regulations, courts and executive agencies—such as the U.S. Army Corps of Engineers—are required to “take into account” the opinions of DHR’s federal equivalent, the Advisory Council on Historic Preservation, in reaching a final decision. 36 C.F.R. § 800.7(c)(4)(i).

When disagreements arise about interpretation of federal historic preservation regulatory requirements, courts and agencies must defer to the lead historic preservation agency over matters within their expertise. *National Mining Ass’n v. Fowler*, 324 F.3d 752, 758 (D.C. Cir. 2003) (affirming that the Advisory Council is owed deference in interpreting its own regulations); *McMillan Park Comm. v. National Capital Planning Comm’n*, 968 F.2d 183, 1288 (D.C. Cir. 1992) (the Advisory Council’s interpretation of the NHPA deserves substantial deference because it is the agency created by law to safeguard historic properties); *Morris County Trust for Historic Preservation v. Pierce*, 714 F.2d 271, 280 (3d Cir. 1983) (“the Advisory Council’s regulations are particularly persuasive concerning the proper interpretation of NHPA”); *Preservation Coalition, Inc. v. Pierce*, 667 F.2d 851, 858 (9th Cir. 1982) (judgments of the Advisory Council “deserve great weight”); *WATCH v. Harris*, 603 F.2d 310, 324 (2d Cir. 1979).

Moreover, as between the Advisory Council's interpretation of Section 106 and a sister agency's interpretation of the same law, "it is the [Advisory Council]'s interpretation of its own regulations that 'command substantial judicial deference.'" *Id.* This is consistent with the established proposition that "considerable weight" should be accorded by courts to an executive department's construction of a statutory scheme that Congress instructed it to administer. *Chevron U.S.A., Inc. v. Natural Resources Defense Council*, 467 U.S. 837, 844 (1984). See also *Concerned Citizens Alliance, Inc. v. Slater*, 176 F.3d 686, 696 (3d Cir. 1999) (Congress did not create the Advisory Council to be a "toothless agency") and *City of South Pasadena v. Slater*, 56 F. Supp. 2d 1106, 1126-27 (C.D. Cal. 1999) (court enjoined freeway project where agencies, including the Advisory Council on Historic Preservation, objected to its destructive impacts).

The same is true here: the Court should defer to DHR's decision, not Tyrer's self-serving arguments. DHR is charged by the Commonwealth with administering the state's historic preservation program, including decisions over whether professionals meet applicable requirements to perform culturally sensitive work related to burial permits and other matters involving application of historic preservation law. DHR based its decision on substantial evidence and acted within the scope of its jurisdiction in determining that Tyrer did not meet the educational or professional requirements needed to conduct archeological work related to JRWA's burial permit. See *Chincoteague Inn*, 287 Va. at 381, 757 S.E.2d at 5 (Virginia Supreme Court affirming deference to administrative agencies in matters of their "specialized competence").

Yet Tyrer would have the Court ignore DHR's duties in applying its own "specialized competence," ignore her educational history and misrepresentation of that history, and ignore the fact that Rassawek likely contains the buried remains of the Monacans' ancestors that are

indisputably sacred to the tribe and have in all likelihood suffered harm because of Tyrer's prior conduct. For these reasons, the Court has an obligation to defer to DHR's decision to disqualify Tyrer.

Finally, should the Court find that DHR erred in some administrative or process aspect of its decision-making when determining that Tyrer was not qualified, the appropriate remedy is to order provision of such process, not to declare Tyrer substantively qualified. For example, should the Court determine that Tyrer is entitled to a more detailed written explanation of why DHR found her unqualified, it should order DHR to provide such a document, but the Court should, we respectfully suggest, refrain from substituting its own judgement for the specialized competence of DHR.

Conclusion

This is not a typical case, for DHR or the Nation. The Nation does not speak out against JRWA's project or its agents lightly. As the Nation's historic capital, Rassawek is a particularly significant site for the Nation. The risk that Tyrer has posed to tribal history and tribal ancestral remains is no small matter especially when she has purposefully engaged in work that has put at risk a site of utmost historic and cultural significance to the Nation. Moreover, Tyrer has gone to great lengths to avoid accountability for her harmful actions, up to and including this petition.

The Court should reject it and affirm DHR's decision.

Respectfully submitted,



Marion F. Werkheiser (VSB# 65454)
Gregory A. Werkheiser (VSB# 45986)
Cultural Heritage Partners, PLLC
1811 E. Grace St.

Richmond, VA 23223
Tel: 202.567.7594
Fax: 866.875.6492
Email: marion@culturalheritagepartners.com
Email: greg@culturalheritagepartners.com

Counsel for the Monacan Indian Nation

EXHIBIT A



EXHIBIT B



COMMONWEALTH of VIRGINIA

Department of Historic Resources

Molly Joseph Ward
Secretary of Natural Resources

2801 Kensington Avenue, Richmond, Virginia 23221

Julie V. Langan
Director

Tel: (804) 367-2323
Fax: (804) 367-2391
www.dhr.virginia.gov

October 4, 2017

James River Water Authority
Attn: Mr. Steven M. Nichols
Fluvanna County Administrator
132 Main Street
Palmyra, VA 22963

Re: Application for the Removal and Temporary Curation of Human Remains Located at
Point of Fork, Fluvanna County, Virginia
DHR File No. 2015-0984

Dear Mr. Nichols:

In accordance with Section 10.1-2305 of the *Code of Virginia*, final regulations adopted by the Virginia Board of Historic Resources and published in the Virginia Register on July 15, 1991, and following review by the Department, the Department of Historic Resources on this 4th day of October, 2017, hereby grants to the James River Water Authority permission to remove and temporarily curate human remains that may accidentally be disturbed by, or identified during laboratory analysis resulting from, planned archaeological investigations in and around property associated with the James River Water Authority's proposed raw water intake and pipeline at Point of Fork in Fluvanna County, Virginia. Any such removal and temporary curation shall take place only after consultation with the affected Indian Tribes/Nations (defined below). This is not a recovery permit and does not provide legal permission for the purposeful archaeological recovery of buried human remains. Any such activity must receive a separate permit issued by this office. This permit is to be considered effective as of today's date.

The granting of this permit signifies that:

1. The Department is aware that the recovery is part of the James River Water Supply Project, which is under review by the Review and Compliance Division (DHR Project Review No. 2015-0984).

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Salem, VA 24153
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Fax: (540) 387-5446

Northern Region Office
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Tel: (540) 868-7029
Fax: (540) 868-7033

Eastern Region Office
2801 Kensington Avenue
Richmond, VA 23221
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2. The Department is aware that archaeological sites 44FV0019, 44FV0020, 44FV0021, and 44FV0022, all formally recorded in the VDHR's permanent archives, are located partially or entirely within the James River Water Supply Project. The Department is further aware that archaeological survey conducted in the early 1980s resulted in reports of exposed human remains within the boundaries of site 44FV0021, and that the area in general is believed to correspond to the Monacan village known as Rassawek.
3. The Department is aware that the federally-recognized Pamunkey Indian Tribe and Delaware Nation, as well as the Commonwealth-recognized Monacan Indian Nation, Rappahannock Tribe, and Upper Mattaponi Indian Tribe, have requested consulting party status pursuant to the federal project, and are hereinafter defined for the purposes of this permit as the "affected Indian Tribes/Nations".
4. The Department understands that the Permittee, an authority created pursuant to Code of Virginia Chapter 51, Title 15.2 §§ 15.2-5100 *et seq.*, incorporates two (2) municipal authorities (Fluvanna and Louisa Counties) that receive federal funding and thus meet the definition of "museum" under the Native American Graves Protection and Repatriation Act of 2001 (Public Law 101-601; 25 U.S.C. 3001-3013) (NAGPRA). As such, any action pertaining to the discovery, inadvertent disturbance, removal or subsequent treatment of human remains conducted pursuant to this permit must meet the terms and requirements of NAGPRA.
5. The Department has received from the Permittee and has approved a statement detailing the goals and objectives of the project.
6. The Department has reviewed the vita of the professionally-qualified archaeologist responsible for the proposed work and has found her qualified to complete the work.
7. The Department has received accurate information as to the location of the project area and the proposed investigations, to include both shovel and deep testing, designed to evaluate soil strata and composition, and to preliminarily identify archaeological deposits and features within the project area.
8. The Department has received assurances that there are adequate resources to carry out the research design and treatment plan, and to ensure the respectful treatment of all human remains and associated funerary items that may accidentally be disturbed during archaeological delineation of the possible unmarked cemetery.
9. The Department has worked with the federally-recognized Pamunkey Indian Tribe and Delaware Nation in the development and implementation of this permit pursuant to the terms and conditions of NAGPRA, and understands that the Pamunkey Indian Tribe and Delaware Nation have expressed their intent to participate in the federal process as consulting parties.

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10. The Department has consulted with the state-recognized Monacan Indian Nation, Rappahannock Tribe, and Upper Mattaponi Indian Tribe at their request and in recognition of their interest in the project area.
11. The Department has concluded that issuance of this anticipatory burial permit is necessary in order to ensure that any and all buried remains and associated funerary items inadvertently disturbed during archaeological investigation of the James River Water Supply project area will be properly treated, and that important information about Fluvanna County's history will be properly recorded.

This permit is granted subject to the following conditions:

1. The Permittee shall ensure that the project archaeologist carries a copy of this permit at all times during fieldwork associated with this permit.
2. The Permittee shall proceed in accordance with the approved research design as proposed in the permit application, with the exception that no human remains or known/presumed funerary objects will be purposefully removed from the property absent the prior written approval from the Department and the affected Indian Tribes/Nations. Any changes to this methodology must receive the prior written approval of the Department.
3. Under no circumstances shall burial chambers be excavated or *in situ* human remains archaeologically recovered under this permit. Should it become necessary to disinter buried human remains, the Permittee must apply for a recovery permit in consultation with the Pamunkey Indian Tribe and Delaware Nation as required by NAGPRA and the Monacan Indian Nation, Rappahannock Tribe, and Upper Mattaponi Indian Tribe as required by Code of Virginia §10.1-2305 and its implementing regulations.
4. The Permittee shall ensure that all earthmoving activity within the project area takes place at the direction and under the supervision of the supervising archaeologist, who shall be allowed to dictate the terms under which soil is removed.
5. Upon discovery of human remains or funerary objects, all ground disturbance shall cease and the area of discovery shall be secured from further disturbance. The Permittee shall notify the Department and the affected Indian Tribes/Nations by telephone within twenty-four (24) hours of discovery. This notification must be followed up in writing (email is sufficient). The Permittee shall take all necessary precautions to avoid additional disturbance or displacement, including establishment of a minimum fifty (50)-foot buffer around the discovery location. There shall be no additional activity within the established fifty (50)-foot buffer until consultation with the affected Indian Tribes/Nations has concluded and an approved treatment plan is in place.

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6. Posting or otherwise publishing written descriptions, digital images, or any other information about or involving human remains discovered on this site in print media, digital media, or in any other fashion is strictly forbidden. Any such action will result in immediate revocation of this permit.
7. The Permittee shall, in consultation with the affected Indian Tribes/Nations, prepare a plan for final disposition of any remains and associated funerary items and submit it to the Department for review and comment. The Department will itself consult with the affected Indian Tribes/Nations and will reach a decision on final disposition within sixty (60) days of receipt. No reburial or other disposition shall take place in the absence of the Department's prior written approval.
8. The Permittee shall inform the Department and affected Indian Tribes/Nations in writing of the commencement of field work conducted under this permit.
9. The Permittee shall inform the Department and affected Indian Tribes/Nations in writing of the completion of field work involving the recovery of human remains and/or associated funerary artifacts, and the completion of the final disposition of those remains and associated artifacts, within two (2) weeks of implementation.
10. The Permittee shall ensure that the architectural and archaeological resource forms, mapping, and other archival data associated with this property are updated and accepted by the Department prior to submittal of the final report.
11. Prior to April 4, 2018, the Permittee shall prepare a technical report(s) of the field investigations involving the recovery of human remains conducted under this permit and submit one copy of it (them) to the Department for review and approval, with a copy to affected Indian Tribes/Nations for review and comment. All reports shall meet the federal standards entitled *Archeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines* (48 FR 44716-44742, September 29, 1983) and the Department's *Guidelines for Historic Resources Survey in Virginia* (2011 and as amended or revised). All comments received within thirty (30) days of report receipt shall be addressed in the final report(s).
12. All archaeological materials (with the exception of human remains and associated funerary or ceremonial objects) resulting from investigations conducted under this permit, including artifacts, field records and photographs, shall be placed in the Department's collections upon completion of the study and shall be curated in accordance with the Department's *State Curation Standards* (2011 and as amended or superseded).
13. The Department retains the right to revoke this permit upon the initiative of the Director, or upon the request of any interested party, for violations of any of the above conditions or if good cause is otherwise demonstrated.

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14. The Department retains the right to inspect the field investigations conducted under this permit. The Permittee shall make a reasonable effort to ensure that Department representatives have access to the work site during the field investigations

This permit shall be valid for six (6) months from the date of issuance. This permit is not transferable.

Sincerely,

A handwritten signature in cursive script that reads "Julie V. Langan". The signature is written in dark ink and is positioned above the printed name and title.

Julie V. Langan
Director

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EXHIBIT C



JAMES RIVER WATER AUTHORITY

132 Main Street, P.O. Box 540, Palmyra, VA 22963



BOARD OF DIRECTORS

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Troy Wade
Louisa County

Christian Goodwin
County Administrator
Louisa County

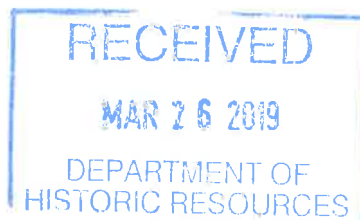
Steven M. Nichols
County Administrator
Fluvanna County

Brendan S. Hefty
Legal Counsel

March 22, 2019

By Email (joanna.wilson@dhr.virginia.gov) and **FedEx**

Joanna Wilson Green
Virginia Department of Historic Preservation
2801 Kensington Avenue
Richmond, Virginia 23221



Re: James River Water Authority Application for Recovery of Human
Remains Located at Point of Fork, Fluvanna County, Virginia
DHR File No. 2015-0984

Dear Ms. Green:

The James River Water Authority (JRWA) submits the enclosed Application for Recovery of Human Remains to cover all archeological fieldwork and monitored construction excavation within Sites 44FV0022, 44FV0024, 44FV0268, and, if necessary, 44FV0269 for this project in Fluvanna County, Virginia. The following documents are included in this application:

- Permit Application for Archeological Excavation of Human Remains Form
- Topographic map showing the location of the site
- Curriculum vitae for Principal Archaeologist Carol Tyrer
- Property easements

Due to the sensitive nature of this project, the JRWA is requesting that the public notice and research design requirements be waived. No public notice text or research design are enclosed.

Please note that additional information on the project, including a proposed Memorandum of Agreement, Treatment Plan, and Monitoring Plan, has previously been provided to the Department under DHR File No. 2015-0984. If additional copies of those documents are needed for your review, they will be provided at your request.

If you have any questions or require additional information, please contact Carol Tyrer at carol@circacrm.com/757.880.4187 or Justin Curtis at justin@aqualaw.com/804.716.9021 x204.

JRWA
March 22, 2019
Page 2

Sincerely,

A handwritten signature in black ink, appearing to read "S.M. Nichols", with a stylized flourish at the end.

Steven M. Nichols
James River Water Authority

Copy:

Ms. Julie Langan, VDHR Director
Mr. Roger Kirchen, VDHR
Mr. Greg LaBudde, VDHR
Mr. D.D. Watson, James River Water Authority Chair
Mr. Christian Goodwin, Louisa County Administrator

**VIRGINIA DEPARTMENT OF HISTORIC RESOURCES
PERMIT APPLICATION FOR ARCHAEOLOGICAL EXCAVATION OF HUMAN REMAINS**

Please print or type all information. If a request does not apply to your project, please print or type "N/A" in the space provided. If additional space is required, please attach as many extra sheets as necessary. Failure to provide a complete application (including requested attachments) will result in denial of the requested permit. Please forward any questions to Joanna Wilson Green (telephone 804-482-6098, email joanna.wilson@dhr.virginia.gov).

1. APPLICANT'S NAME AND CONTACT INFORMATION:

Name/Title: Steven M. Nichols, JRWA Board Member/Fluvanna County Administrator
Company/Organization/Affiliation: James River Water Authority (JRWA)
Street Address: 132 Main Street
City/State/ZIP: Palmyra, Virginia 22963
Mailing Address: P.O. Box 540, Palmyra, Virginia 22963
Telephone No.: (434) 591-1910 Fax No.: ()
Email: snichols@fluvannacounty.org

JRWA is the fee owner of the land on which the pump station will be constructed, which includes the majority of Site 44FV0022 within the area of potential effect. For the remainder of the Project area, JRWA holds utility line easements that grant "all rights and privileges reasonably necessary for the enjoyment and exercise" of the easement. Conducting archaeological excavations within the Project's right-of-way—including archeological excavation of any human remains that may be discovered—is "reasonably necessary" to construct the Project's raw water transmission main. JRWA therefore holds the necessary legal property rights of a to grant permission to conduct all activities proposed in this permit application in accordance with 17 VAC § 25-20-40(A)(3). Copies of the relevant easements are attached to this application. The owners of the properties traversed by JRWA's easements are listed below. If necessary, JRWA will obtain their signatures on landowner permission forms and provide them separately.

Site 44FV0022

PROPERTY OWNER'S NAME AND CONTACT INFORMATION (if different from above)

Name/Title: William Robert Hammond
Company/Organization/Affiliation: N/A
Street Address: 415 Gillums Ridge Road
City/State/ZIP: Charlottesville, VA 22903
Mailing Address: same as above
Telephone No.: (434) 327-8878 Fax No.: ()
Email: wrhammond12@gmail.com

Site 44FV0024

PROPERTY OWNER'S NAME AND CONTACT INFORMATION (if different from above)

Name/Title: G. Rodney Bialkowski, Sr.
Company/Organization/Affiliation: N/A
Street Address: 1215 Point of Fork Road
City/State/ZIP: Fork Union, VA 23055
Mailing Address: same as above
Telephone No.: (804) 512-5301 Fax No.: ()
Email: george_bialkowski@yahoo.com

Site 44FV0268

PROPERTY OWNER'S NAME AND CONTACT INFORMATION (if different from above)

Name/Title: Gary E. Wood, President/CEO
Company/Organization/Affiliation: Central Virginia Electric Co-op
Street Address: P.O.Box 247
City/State/ZIP: Lovington, VA 22949
Mailing Address: same as above
Telephone No.: (800) 367-2832 Fax No.: (434) 263-7900
Email: gwood@MyCVEC.com

Site 44FV0268

PROPERTY OWNER'S NAME AND CONTACT INFORMATION (if different from above)

Name/Title: Coleman Lyttle
Company/Organization/Affiliation: N/A
Street Address: 16251 Hunters Ridge Lane
City/State/ZIP: Mosely, VA 23120
Mailing Address: same as above
Telephone No.: (804) 347-4101 Fax No.: ()
Email:

Site 44FV0269

PROPERTY OWNER'S NAME AND CONTACT INFORMATION (if different from above)

Name/Title: Barbara Seay
Company/Organization/Affiliation: Point of Fork Farm, LP
Street Address: 1210 Point of Fork Road
City/State/ZIP: Columbia, VA 23038
Mailing Address: P.O. Box 847
Telephone No.: (434) 842-3677 Fax No.: ()
Email:

Principal Name/Title: Carol Tyrer/Principal Investigator
 Company/Organization/Affiliation Circa~ Cultural Resource Management, LLC
 Street Address: 453 McLaws Circle, Suite 3
 City/State/ZIP: Williamsburg, Virginia 23185
 Telephone No.: (757) 220-5023 Fax No.: ()
 Email: carol@circacrm.com

Name/title of property on which excavation will take place: Site 44FV0022 Parcel 61-A-4, 61-A-4A, and 53-A-62; Site 44FV0024 Parcel 53-A-61; Site 44FV0268 Parcel 53-11-19 and Parcel 53-11-5; and Site 44FV0269 Parcel 53-A-62

County/independent city: Fluvanna County, Virginia

State archaeological inventory number: 44FV0022, 44FV0024, 44FV0268, 44FV0269

State architectural inventory number (if different from above): 32-0024 (44FV0022 and 44FV0024)

3. **IS THIS APPLICATION PART OF A COURT-ORDERED REMOVAL?** Yes: No: X
(If yes) Clerk's name/telephone no: _____
City/County: _____ Docket Number: _____

If yes, describe the factors that suggest the presence of human burials on the subject property (attach additional pages as necessary):

Page 3 of 8

where these excavations occurred. His work noted that human remains were found in the vicinity.

7. IS A WAIVER OF THE PUBLIC NOTICE REQUIREMENT REQUESTED? Yes ☒ No ☐

If yes, describe the specific threat(s) to the human remains and associated funerary artifacts and why this/these threat(s) justify the requested waiver (attach additional pages as necessary):

The project area is remote and is difficult to protect from looting. The project area is located on the bank of the James River and the banks of the Rivanna River and can be accessed from the water. In addition, Site 44FV0268 is located roughly 50 feet to the south of Route 6 and be easily accessed from the road. The excavations will take several months to complete, with deep trenches that could create a hazard if people were attracted to the site. JRWA notes that VDHR waived the public notice requirement for the anticipatory burial permit issued for the Project in October 2017.

8. CURATION INFORMATION:

Name of facility providing temporary housing of human remains and associated funerary artifacts:

Circa~ Cultural Resource Management, LLC (available if necessary)

Type of facility: Cultural Resource Management office

Street address: 453 McLaws Circle, Suite 3

City/State/ZIP: Williamsburg, Virginia 23185

Name of contact person for facility: Carol Tyrer

Contact telephone number: (757) 220-5023 Email: carol@circacrm.com

Name of facility providing curation for original field notes and documentation (if different):

Type of facility: _____

Street address: _____

City/State/ZIP: _____

Name of contact person for facility: _____

Contact telephone number: () _____ Email: _____

9. REBURIAL INFORMATION:

Location for reburial (if known): Monacan Tribe Reservation Lands

Street address: _____

City/State/ZIP: Amherst, Virginia

10. IS A REBURIAL PLAN IN PLACE? Yes ☐ No ☒

If yes, specify and explain. If no, explain how you plan to approach this issue with descendants and/or other interested parties (attach additional pages if necessary).

JRWA intends to work with the Monacan Indian Nation to develop a protocol to be implemented in the event any Native American remains are discovered during construction of the project. During the Section 106 consultation process, Monacan representatives expressed their strong desire that any such discoveries be handled in accordance with the tribe's spiritual beliefs and traditions and that no archeological excavation or examination be conducted on Native American remains. The representatives further stated that the protocol should not be made public. JRWA expects that the protocol would include the following elements: (1) measures to protect discovered remains from

view and further disturbance; (2) notification of designated tribal representative; (3) procedure for the recovery and reinternment of the remains and any associated funerary objects by tribal members in a manner consistent with their beliefs; and (4) provision of appropriate notification and documentation to VDHR and the Corps. The reburial location will be updated in the VDHR V-CRIS system, with the locational data and information restricted. No further archeological examination of the remains would occur.

JRWA assumes that the Monacans are the appropriate party with which to develop a reburial plan. Through the course of the Section 106 consultation process, other tribes have generally deferred to the Monacans on matters pertaining to the Project site and have not, for example, commented on the proposed Memorandum of Agreement or Treatment Plan. Nevertheless, JRWA understands that VDHR may notify and solicit the views of other potentially affected tribes in accordance with 17 VAC § 5-20-50(E).

To facilitate the process outlined above, JRWA respectfully requests that the Director waive the research design and professional qualification requirements in accordance with 17 VAC § 5-20-40(D).

It is highly unlikely that non-Native American burials may be disturbed. In that event, however, JRWA will stop construction and prepare a reburial plan in accordance with applicable law and the Memorandum of Agreement.

11. IS A DISPOSITION OTHER THAN REBURIAL PROPOSED? Yes _____ No X

If yes, complete the attachment found on page 7 (*Justification for Alternative (Non-Reburial) Disposition*)

12. EXPECTED END DATES:

Excavation/Monitoring: 24 months
Osteological Analysis: None, at the request of the Monacan Indian Nation
Preparation and submittal of final report: 52 weeks
Final Disposition: Within 2 weeks of each burial removal

A monitoring plan was attached to the Memorandum of Agreement and will be implemented after the data recovery field excavations are completed. This application is intended to cover archeological excavations and subsequently monitored construction excavation at the three sites (and the fourth site, 44FV0269, if necessary). Construction will be phased among the archeological sites to complete the project in an efficient manner and consistent with the Memorandum of Agreement. JRWA conservatively expects that all archeological fieldwork and construction activity subject to monitoring will be completed within 24 months of the commencement of construction. JRWA requests that the burial permit remain in effect for that period.

APPLICANTS MUST SIGN

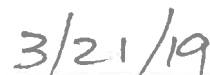
I hereby apply for the permit for the activities described herein. By my signature I hereby certify that I possess adequate resources, financial and otherwise, to ensure that the archaeological project is carried out in its entirety, up to and including the respectful recovery, temporary housing, and reburial or alternative disposition of any and all human remains and associated funerary artifacts recovered pursuant to the permit requested. I understand that work conducted under the permit is not complete until all permit requirements are met, including but not limited to submittal and approval of reports and documentation. I further understand that failure to complete the conditions of the permit within the allotted timeframe, or to obtain an extension of that timeframe from the Department, may result in revocation of the permit and constitute grounds for denial of future permit applications.

I hereby certify that the information submitted in this application is true and accurate to the best of my knowledge, and that I understand my responsibilities with regard to satisfaction of permit conditions and respectful treatment of any and all human remains recovered pursuant to a permit issued to me.



APPLICANT'S SIGNATURE

Steven M. Nichols, JRWA Board Member/
Fluvanna County Administrator
James River Water Authority



DATE

APPLICANTS MUST SIGN

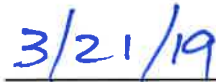
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APPLICANT'S SIGNATURE

Steven M. Nichols, JRWA Board Member/
Fluvanna County Administrator
James River Water Authority



DATE

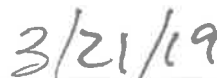
CONFIRMATION OF LANDOWNER PERMISSION

As legal owner of the property upon which the permitted archaeological excavation will take place, I hereby agree to allow the project archaeologist, project physical anthropologist, and all associated professionals to perform the archaeological excavation and recovery of any human remains and associated funerary artifacts from the property. I also agree to allow the duly authorized representatives of the Department of Historic Resources to enter the property at reasonable times to inspect and document site conditions and project progress.



LANDOWNER'S SIGNATURE

Steven M. Nichols, JRWA Board Member/
Fluvanna County Administrator
James River Water Authority



DATE

RESEARCH DESIGN

For projects in which human remains may be encountered but will not be purposefully disturbed or excavated, please provide a research design describing the larger project and including methodology to be implemented in the event that human remains are encountered.

For projects involving the excavation of human gravesites and recovery of human remains and funerary artifacts, please provide a data recovery plan.

Documents shall include, at minimum, the following information:

1. Reference to professionally-accepted standards, practices, methodologies, etc.;
2. Archival research pertinent to the location, type, and age of the resource in question;
3. Field and laboratory methodologies and documentation (data recovery plans must include specific discussion of the types of funerary data to be obtained);
4. Osteological inventory, analyses, and documentation (when applicable);
5. Conservation methods (when applicable).

Add additional pages as necessary.

Not applicable. As noted above, JRWA requests that the Director waive the research design and professional qualification requirements in accordance with 17 VAC § 5-20-40(D).

JUSTIFICATION FOR ALTERNATIVE (NON-REBURIAL) DISPOSITION
Add additional pages as necessary

Not applicable. Alternative disposition is not request.

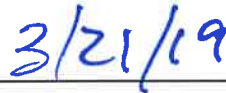
CONFIRMATION OF LANDOWNER PERMISSION

As legal owner of the property upon which the permitted archaeological excavation will take place, I hereby agree to allow the project archaeologist, project physical anthropologist, and all associated professionals to perform the archaeological excavation and recovery of any human remains and associated funerary artifacts from the property. I also agree to allow the duly authorized representatives of the Department of Historic Resources to enter the property at reasonable times to inspect and document site conditions and project progress.



LANDOWNER'S SIGNATURE

Steven M. Nichols, JRWA Board Member/
Fluvanna County Administrator
James River Water Authority



DATE

APPLICANT'S AND CONTRACTOR'S ACKNOWLEDGEMENT FORM

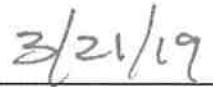
I, James River Water Authority, have contracted with Circa~ Cultural Resource Management LLC and Faulconer Construction Company to perform the work described in the above application signed by me and dated January 3, 2017.

We, the undersigned, hereby confirm that we will ensure the respectful and honorable treatment of any and all human remains and associated funerary artifacts from the time of their discovery through the archaeological recovery process, temporary housing, and reburial or agreed-upon alternate disposition. We understand that failure to treat human remains and associated funerary artifacts with respect at all times will result in revocation of the burial permit and possible legal action.

By our signatures we hereby confirm that we will read and abide by all condition and terms set forth in the approved permit as required for all actions described in this application. We understand that work conducted under a burial permit will not be considered complete until all documentation is submitted and approved by the Department, and that all other conditions are met including the respectful disposition of all human remains and associated funerary artifacts. We further understand that failure to complete the conditions of the permit within the specific timeframe or approved extension may result in revocation of the permit and may also result in denial of future permit applications.



Applicant's Signature
Steven M. Nichols, JRWA Board Member/
Fluvanna County Administrator
James River Water Authority



Date

Contractor's Signature
Carol D. Tyrer, President
Circa~ Cultural Resource Management, LLC

Date

Contractor's Signature
Edwin F. Stelter, Vice President
Faulconer Construction Company

Date

APPLICANT'S AND CONTRACTOR'S ACKNOWLEDGEMENT FORM

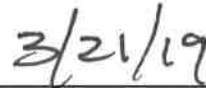
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Applicant's Signature
Steven M. Nichols, JRWA Board Member/
Fluvanna County Administrator
James River Water Authority



Date

Contractor's Signature
Carol D. Tyrer, President
Circa~ Cultural Resource Management, LLC

Date

Contractor's Signature
Edwin F. Stelter, Vice President
Faulconer Construction Company

Date

APPLICANT'S AND CONTRACTOR'S ACKNOWLEDGEMENT FORM

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Applicant's Signature

Steven M. Nichols, JRWA Board Member/
Fluvanna County Administrator
James River Water Authority

Date

Carol D. Tyrer

Contractor's Signature

Carol D. Tyrer, President
Circa~ Cultural Resource Management, LLC

March 21, 2019

Date

Contractor's Signature

Edwin F. Stelter, Vice President
Faulconer Construction Company

Date

APPLICANT'S AND CONTRACTOR'S ACKNOWLEDGEMENT FORM

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Applicant's Signature

Steven M. Nichols, JRWA Board Member/
Fluvanna County Administrator
James River Water Authority

Date

Contractor's Signature

Carol D. Tyrer, President
Circa~ Cultural Resource Management, LLC

Date



Contractor's Signature

Edwin F. Stelter, Vice President
Faulconer Construction Company

03/21/19

Date

REQUIRED ATTACHMENTS

- Copy of the relevant USGS 7.5 series topographic map showing the location of the property or site on which the archaeological excavation will take place. A supplemental map showing the area in greater detail may also be attached if appropriate and/or necessary.
- Original signed application.
- Original signed Statement of Landowner Permission.
- Original signed Applicant's and Contractor's Acknowledgement Form.
- Text of the public notice/notice of intent, and confirmation of publication (print and online). See guidelines for further information and explanation.
- Curriculum vitae (CVs) for the principal archaeologist and physical anthropologist associated with the proposed project.
- Detailed research design, including but not limited to the following:
 - field methods to be used during recovery
 - laboratory methods to be used during skeletal analysis
 - conservation methods to be used for both human skeletal remains and associated funerary artifacts.
- Statement justifying alternative disposition of human skeletal remains and associated funerary artifacts (if applicable).

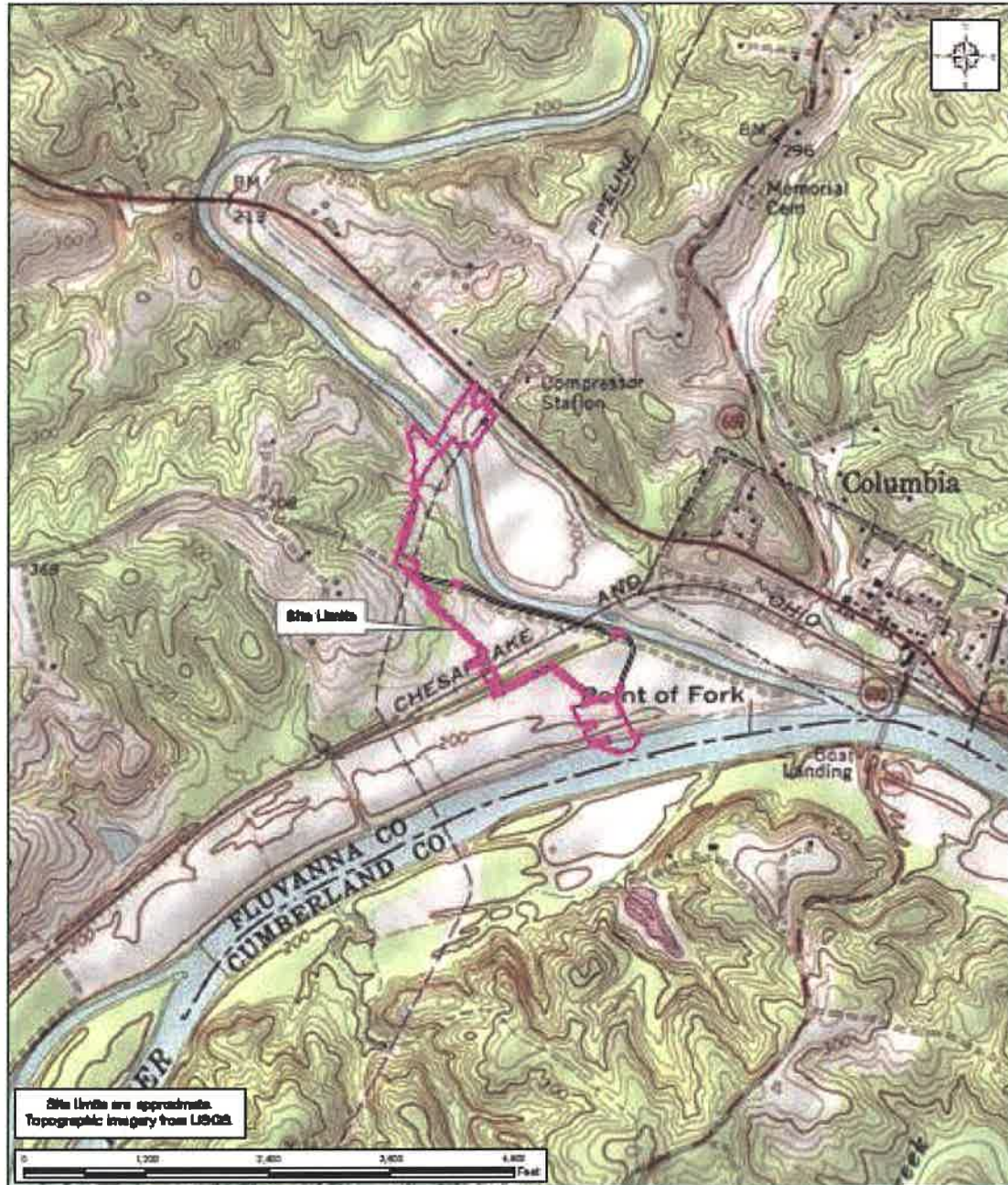
LIST OF ATTACHMENTS

Attachment A – Topographic Map of Project Site

Attachment B – Carol Tyrer Curriculum Vitae

Attachment C – Property Easements

Path: Y:\004\33927-JRWA-Pipeline-GIS\Common Shared\Exhibits\Cultural Resources\03927-JC-108 Permit Area.mxd



JRWA - SECTION 106 PERMIT AREA
FLUVANNA COUNTY, VIRGINIA
FIGURE 1: VICINITY MAP

TIMMONS GROUP JOB NUMBER: 33927
PROJECT STUDY LIMITS: 14.8 ACRES
LATITUDE: 37°45'03" 47"N
LONGITUDE: 78°10'45.58"W

These points and associated information were obtained from publicly available data and may not be representative of actual conditions. Timmons Group is not responsible for any errors or omissions in this information.

TIMMONS GROUP

YOU VISION ACHIEVED THROUGH OURS.

U.S.G.S. QUADRANGLE: COLUMBIA & LAKESIDE VILLAGE
DATE: 2010
WATERSCAPE: JRWAAA & MIDDLE JAMES-BUFFALO
HYDROLOGIC UNIT CODE(S): 02080204 & 02080205

Attachment A. Approximate location of project area on USGS Columbia and Lakeside Village quads.

EXHIBIT D



COMMONWEALTH of VIRGINIA

Department of Historic Resources

Molly Joseph Ward
Secretary of Natural Resources

2801 Kensington Avenue, Richmond, Virginia 23221

Julie V. Langan
Director
Tel: (804) 367-2323
Fax: (804) 367-2391
www.dhr.virginia.gov

October 17, 2017

Mr. Steven M. Nichols
County Administrator
Fluvanna County
Palmyra, VA 22963

Dear Mr. Nichols:

I am writing to alert you that the Department of Historic Resources (DHR) has concerns regarding the archaeological study being conducted at Point of Fork, Fluvanna County, Virginia, under the anticipatory burial permit issued to the James River Water Authority on October 4, 2017. These concerns result from two monitoring visits to the site that took place last week that suggest the possibility that not all of the permit conditions are not being met. I recommend that you review the language of the burial permit, investigate the matter for yourself and then report back to me as quickly as feasible.

On the afternoon of Thursday, October 12, and again during the afternoon of Friday, October 13, a DHR representative inspected the ongoing field investigations. Based on these observations and conversations with Charles Rutledge, who identified himself as the Crew Chief for Circa~ Cultural Resource Management, LLC, it is our understanding that the study is not being conducted by, or under the direct supervision of, a qualified professional archaeologist meeting the Secretary of the Interior's Professional Qualification Standards (48 FR 44738-39). It appears that Mr. Rutledge, who does not meet the Secretary of the Interior's Professional Qualification Standards, is not being directly supervised by someone who meets the Standards. Further, it appears that Mr. Rutledge is providing supervision to other employees who do not meet these Standards.

As noted in Item 6 of the permit, DHR has reviewed the vita of the professionally-qualified archaeologist responsible for the proposed work and found her qualified to complete the work. Our concern has to do with the fact that the archaeologist responsible for the work is apparently not directly supervising the investigation. Condition 4 of the permit reads "The Permittee shall ensure that all earthmoving activity within the project area takes place at the direction and under the supervision of the supervising archaeologist, who shall be allowed to dictate the terms under which soil is removed."

As such it appears that all of the permit conditions are not being met. Given the archaeological sensitivity of the survey area, as well as the stated concerns of the federally-recognized and Virginia Indian tribes, it is our opinion that direct supervision by a professionally-qualified archaeologist is both imperative and expected, not just by DHR, but by the tribes who have expressed an interest in this property.

Administrative Services
10 Courthouse Ave.
Petersburg, VA 23803
Tel: (804) 862-6408
Fax: (804) 862-6196

Eastern Region Office
2801 Kensington Avenue
Richmond, VA 23221
Tel: (804) 367-2323
Fax: (804) 367-2391

Western Region Office
962 Kime Lane
Salem, VA 24153
Tel: (540) 387-5443
Fax: (540) 387-5446

Northern Region Office
5357 Main Street
PO Box 519
Stephens City, VA 22655
Tel: (540) 868-7029
Fax: (540) 868-7033

I am confident that you will share my concerns and take the steps necessary to ensure that the investigation is conducted in compliance with the permit. Kindly respond to this notice at your earliest convenience with detailed information regarding what steps have been taken to address the situation.

Sincerely,

Sincerely,

A handwritten signature in cursive script that reads "Julie U. Hangan". The signature is written in dark ink and is positioned above the printed name "Director".

Director

Administrative Services
10 Courthouse Ave.
Petersburg, VA 23803
Tel: (804) 862-6408
Fax: (804) 862-6196

Capital Region Office
2801 Kensington Avenue
Richmond, VA 23221
Tel: (804) 367-2323
Fax: (804) 367-2391

Tidewater Region Office
14415 Old Courthouse Way 2nd
Floor
Newport News, VA 23608
Tel: (757) 886-2818
Fax: (757) 886-2808

Western Region Office
962 Kime Lane
Salem, VA 24153
Tel: (540) 387-5443
Fax: (540) 387-5446

Northern Region Office
5357 Main Street
PO Box 519
Stephens City, VA 22655
Tel: (540) 868-7029
Fax: (540) 868-7033

EXHIBIT E



October 20, 2017

Mr. Steven M. Nichols
c/o James River Water Authority
Fluvanna County
Palmyra, VA 22963

**Re: Response to Virginia Department of Historic Resources (VDHR) letter dated October 17, 2017
James River Water Project**

Dear Mr. Nichols:

Thank you for forwarding Virginia Department of Historic Resources' (VDHR) letter dated October 17, 2017 regarding the cultural resource work for the James River Water Authority (JRWA). Our team highly values our working relationship with VDHR, the Tribes and other state and federal agencies, so we want to make sure we adequately address any concerns identified by their staff in a timely and responsible manner.

Our team wholeheartedly agrees with VDHR's statement *"Given the archaeological sensitivity of the survey area, as well as the stated concerns of the federally-recognized and Virginia Indian tribes, it is our opinion that direct supervision by a professionally-qualified archaeologist is both imperative and expected, not just by VDHR, but by the tribes who have expressed an interest in this property."*

As such, please be advised that the personnel on site directing the work meet the requirements for a qualified professional archeologist meeting the Secretary of the Interior's Professional Qualification Standards (48 FR 44738-39). Please see Attachment A which outlines these standards as listed in VDHR's *Guidelines for Conducting Resources Survey in Virginia dated October 2011*, p. 62.

Furthermore, please be advised our team's work to date has met all the requirements of the permit and our team is performing the field work in a manner consistent with the approved research design.

After a review of events with Circa~, we believe VDHR made an incorrect assumption as to who the Field Supervisor was for our team's operations. For VDHR's and JRWA's clarification, the following is the structure of the Circa~ Cultural Resource Management LLC (Circa) Project Team for the JRWA Project:

Principal Investigator – Ms. Carol Tyrer, Owner Circa~
Field Supervisor – Mr. Eric Mai (Attachment B - resume)
Geomorphologist – Mr. Dan Hayes (credentials on file with VDHR)

Please note that Mr. Mai has performed surveys and analyzed Native American sites of all periods, including Paleoindian to Late Woodland. If there are any concerns regarding the above personnel's qualifications, then please feel free to contact us immediately.

While we appreciate VDHR's interpretation of the events and respect their staff's professional qualifications, we respectfully disagree with what was represented / articulated in the letter as this is not consistent with what was reported by Circa~ field personnel and is only partially representative of the events that took place.

Following is an account of the events as understood by Circa~ leading up to and through the site visits by VDHR:

1. Per Permit Condition Number 8 of the Burial Permit issued on October 4, 2017, Ms. Tyrer notified VDHR and affected Indian Tribes/Nations via email on Thursday, October 5, 2017 of the commencement of field excavations starting on Tuesday, October 10, 2017 (see Attachment C – email notification). She further provided an update to Mr. Greg LaBudde of delaying the start date to October 11 due to weather conditions.
2. Ms. Tyrer met with her field staff the morning of October 11, 2017 to review the project work in general, mapping, conditions of the Burial Permit, safety protocol (including how to interact with anyone who approached them on-site due to previous property owner issues) prior to kicking off the fieldwork.
3. Ms. Tyrer made a substantial effort to coordinate with and accommodate Mr. LaBudde for a site visit (please see Attachment D – emails between Mr. LaBudde & Ms. Tyrer), even identifying an appropriate protocol for entering the site and items to be cognizant of regarding safety given previous interactions with property owners. She requested that he notify her when he was specifically going to be on-site, which he chose not to do.
4. On the afternoon of Thursday, October 12, 2017 Mr. LaBudde entered the site on foot (he told field staff he left his truck at the gate) and engaged Circa~ field staff without properly identifying himself at the onset of the engagement. Eventually he identified himself and provided a business card. Given the previous issues with property owners, and the fact that field staff had been told to be cautious of anyone who approached them on site, they were hesitant to answer any questions. Furthermore, Circa~ trains all field staff to not reveal any information to anyone on site other than authorized personnel. This was especially stressed at the beginning of this project due to the sensitive nature of the site. Mr. Charlie Rutledge indicated that Mr. LaBudde should speak with Mr. Mai or Ms. Tyrer.
5. On that same Thursday, October 12, 2017 Mr. LaBudde talked to Mr. Mai and inquired about his credentials. Mr. Mai told Mr. LaBudde that he held a Bachelor's degree, a Master's degree in Archeology and was currently pursuing a Graduate Certificate in GIS from VCU. In addition, he noted he had significant archeological field experience (please see attached resume for Mr. Mai). Mr. LaBudde did not inquire as to his role for the project. As noted above Mr. Mai is the Field Supervisor for the crew.
6. On Fri, October 13, 2017, Mr. LaBudde returned to the site, again on foot, and approached Mr. Rutledge. According to Mr. Rutledge, Mr. LaBudde appeared "irritated" and "agitated" and Mr. Rutledge was reluctant to engage him and cautious in his responses. Mr. LaBudde inquired if Mr. Rutledge was the supervisor. He responded he was not the supervisor and stated he was "a

Crew Chief", not "the Crew Chief" as alluded to in the October 17, 2017 letter. Evidently Mr. LaBudde left the site immediately after this interaction with Mr. Rutledge and did not engage Mr. Mai. Mr. Mai was on-site from approximately 7:30 a.m. to 5:30 p.m. with the project team.

If VDHR had contacted Ms. Tyrer, the Principal Investigator, directly and asked for staff qualifications, or who was the designated Field Supervisor, she could have provided the information immediately upon request and we believe these concerns would have been adequately addressed with VDHR.

To address any other outstanding issues or to avoid any misunderstandings and/or miscommunications like this in the future, we are more than willing to meet with VDHR at any time to review procedures, field staff qualifications, or any other matter that might be of concern. Therefore, we are respectfully requesting a face to face meeting with VDHR and the JRWA to address any other concerns anyone might have.

Should you have any questions, or need any additional information regarding the above, please don't hesitate to call Joe Hines at 804-615-2162 or Carol Tyrer at 757-880-4187 at your earliest convenience.

Respectfully,



Joseph C. Hines, PE, MBA
Principal, Timmons Group



Carol D. Tyrer
President, Circa~ Cultural Resource

Attachments:

- A – VDHR Guidelines for Conducting Historic Resources Survey in Virginia, p. 62
- B – Resume for Mr. Eric Mai
- C – Ms. Carol Tyrer, Circa~, Email Notification for Field Work dated October 5, 2017
- D – Emails between Ms. Tyrer and Mr. LaBudde regarding potential site visits

Cc: Mr. Christian Goodwin, Louisa County Administrator & JRWA Board Member
Mr. Michael Knight, MBP
Mr. Greg Krystyniak, Faulconer Construction
Ms. Carol Tyrer, Circa~
Mr. Brandon Searcey, Timmons Group

EXHIBIT F

DECLARATION OF ERIC MAI

**Commonwealth of Virginia
City of Richmond**

Eric Mai declares and certifies:

Professional Background

1. My name is Eric Mai. I am 33 years old. I reside in Richmond, Virginia.
2. I am a full-time graduate student in the Virginia Commonwealth University Master's program in Urban and Regional Studies and Planning. I earned a Master of Archaeology and Heritage degree from the University of Leicester in 2017, a Graduate Certificate in Geographic Information Systems from Virginia Commonwealth University in 2018, a Bachelor of the Arts degree in Art History from Christopher Newport University in 2011, and attended an archaeological field school at Tel Dor, Israel with Haifa University in 2011.
3. I was employed by Circa~ Cultural Resource Management LLC ("Circa") for over six years from January 2012 to May 2018 as a full-time hourly worker in the position of archaeological field technician. Circa is a cultural resource management ("CRM") firm which performs archaeological and architectural history investigations to comply with federal, state, and local regulations regarding historic preservation. During my employment I had daily exposure to the work practices of Circa and its President, Carol Tyrer.
4. For nine months between May 2017 through January 2018, I was assigned by Tyrer to conduct archaeological survey and testing in advance of the James River Water Authority's ("JRWA") proposed construction project at Point of Fork in Fluvanna County, Virginia. Circa and the JRWA rely on this survey and testing in a proposed Treatment Plan that would guide treatment of the cultural resources at the site should the project proceed.
5. I resigned my position at Circa in May 2018, motivated by my deep concerns about Circa's practices arising from my experiences excavating at Point of Fork and my cumulative experiences during my employment.
6. At no point during my employment did Circa state any concerns to me about the quality of my work nor were any disciplinary actions taken against me.

Purpose

7. I am coming forward because I believe it is the right thing to do. I have prepared this declaration of my own volition, without pressure by or compensation from any party.
8. I offer these facts based on my reasonable, genuine, and good faith belief in their truth. To the extent that I offer limited opinions, I also do so in good faith based on my observations and experience.
9. My intent is to report an urgent concern about what I believe to be illegal, unethical, unprofessional, and unscientific practices by Circa in its work generally and at Point of Fork specifically. These practices include lying to government officials, instructing employees to lie to government officials, assigning unqualified and untrained personnel to perform sensitive investigations, failing to supervise unqualified personnel, misrepresenting professional and academic qualifications in official filings, falsifying research data, failing to use appropriate technology to obtain reliable data and then massaging the data to look scientific, plagiarizing the work of unaffiliated professionals, minimizing archaeological discoveries, and handling cultural resources inappropriately in the field and in the laboratory.
10. I sincerely regret that I did not come forward sooner. My job at Circa was my first professional employment in CRM. It was not until I pursued advanced education in the field and gained exposure to the work of other CRM firms that I began to understand that the way things are done at Circa is not, as we were told by Tyrer, acceptable or common practice in the CRM field. I did not fully and timely appreciate how harmful the methods Circa employs are to the public interest.
11. I understand that other former Circa employees have resigned for similar reasons.

Background of Archaeological Investigations on Point of Fork

12. The archaeological investigation conducted by Circa at Point of Fork is flawed, inadequate, and unreliable, the reports of the investigation are misleading and inaccurate, and the proposed treatment plan based on those reports is inappropriate and unsupported. On this basis I conclude that the continued participation of Tyrer in the JRWA project will negatively impact the quality of the proposed treatment of sensitive cultural resources.
13. In 2017 and 2018, as an employee of Circa, I was part of a crew assigned to conduct archaeological investigations in the area proposed by the JRWA for the construction of a water pump station. The investigation was intended to assess the eligibility of known cultural resources for listing in the National Register of Historic Places and to identify unrecorded cultural resources including archaeological sites. Should the JRWA's proposed water pump station be constructed at this specific site, it would require significant disruption of the earth, which could contain significant archaeological evidence and cultural resources including artifacts and human remains. The purpose of the Circa investigation was to determine, preliminarily, what might be on or in the earth, what might be its cultural importance to the public and to interested parties (like affiliated Native American tribes), and to recommend a plan of treatment.
14. Circa was engaged to conduct this work by the Timmons Group ("Timmons"), an engineering consulting firm headquartered in Richmond, Virginia. JRWA had engaged Timmons as their project lead for the proposed pump station. Circa has also performed CRM work as a subcontractor to Timmons for other Timmons clients.
15. Part of our crew's charge was to search for unrecorded sites by excavating archaeological shovel test pits in a grid of regular survey lines called transects. We also were to conduct deeper testing in the lower floodplain areas with the assistance of a geoarchaeological subconsultant. Deep testing involves using heavy machinery to dig a trench to record soil stratigraphy (color and texture changes) indicative of different periods of human activity on the site and archaeological features indicative of human occupation and use.
16. I was present on site from the commencement to the end of initial testing. I was present for most shovel testing. I was present for all deep trench testing that was conducted at the proposed pump station and was instructed to excavate most of the archaeological features that we found in the trenches.

The Primary Crew Was Untrained, Unqualified, Unprepared, and Unsupervised

17. Prior the start of our work, Tyrer provided the field crew little background information on Point of Fork. We were not provided materials related to the prior documentation of Point of Fork as the historical chief city of the Monacan Indian Nation. We were not provided the map showing the location of Rassawek at this location prepared by Captain John Smith, nor any information related to the subsequent documentation by archaeologists associated with the Commonwealth of Virginia or the Smithsonian. Tyrer did say that human burials had previously been uncovered and documented on the site and suggested the site might be of great importance to Native Americans but provided no additional details.
18. Of the initial crew on the project, I was the only person with a master's degree and a BA in archaeology or a related field. The other two crew members do not have college degrees or any formal training investigating Native American sites; both were hired as a result of family friendships with Tyrer. They have both also since resigned from Circa.
19. Tyrer has expressed to me and colleagues that she avoids hiring people with master's degrees because they ask for too much money. Based upon my observations, she also prefers to hire young, inexperienced people as field technicians because they will not question her requests or approaches.
20. Notwithstanding my degrees, I have never taken a university course on Native American history or archaeology. I had no prior experience excavating Native American archaeological features in trenches when I was directed to work at Point of Fork. Tyrer did not train us how best to excavate such features prior to assigning us this work.
21. Tyrer did not accompany us to the site. She handed us a map with markings indicating where we should conduct shovel test pits and instructed us to drive to the site and begin work. We rarely saw her on site for the first five months of our work on site. During my employment, she almost never accompanied her crews into the field.

The Crew Lacked Appropriate Technology, Training, and Guidance to Conduct Accurate Surveys

22. In Tyrer's description of Circa on her LinkedIn page she asserts, "In addition to staff skills and experience, the firm is also equipped with specialized computer support services including mapping software. Our use of technology enables the firm to report results and exchange data in a cost efficient, accurate, and timely manner." This was certainly not true while I was employed by Circa to perform excavations at Point of Fork.
23. During my entire tenure at Circa, we did not employ technologies to ensure accurate documenting of the locations of archaeological resources, such as GPS, total station, or transit, even though these technologies have been available in the CRM field for at least the last 15 years. I made repeated requests to Tyrer for a Trimble GPS, for transit use at Phase II and Phase III excavations, and iPad technology so that Circa's work could be more accurate, efficient, and higher quality. She turned down my requests citing costs. Instead, crew members used basic compasses to attempt to map the transects along which we dug shovel test pits. Circa did not train crew members to properly use compasses; we did our best to figure it out for ourselves. Circa owned a GPS but used it to record metal detector responses, not to verify shovel test pit transects. Consequently, many times on projects, including on the JRWA project, our shovel test pit survey transects were inaccurate.
24. I lobbied Tyrer for several years to adopt current mapping technology. She acquired mapping software just before I resigned and after completion of the JRWA project work. Instead, Tyrer commonly provided maps with hand-drawn locations of the shovel test pits crews were to conduct. She did this on the JRWA project; the initial transects located at the pump station were hand-drawn. After beginning shovel testing based on our guess of project boundaries, our hand drawn transects were submitted to Timmons to create a map with intended shovel test pits. The maps created by Timmons were not based on a scientifically accurate location of shovel test pits.
25. Because of this mapping deficit, there were several times on the JRWA project when we conducted shovel test pits in the wrong location, well outside of the project area targeted for construction. I believe it very likely that listed locations in the archaeology reports of shovel test pits on the site are inaccurate and the quality and usefulness of those shovel test pits is poor. I believe the site boundary delineation may be influenced by insufficiencies in the shovel test pit survey.
26. Further, according to Virginia guidelines, shovel test pits should be excavated down to culturally sterile soil (soil showing no evidence of human habitation, frequently found *below* layers of human habitation). Tyrer neglected to tell us that we were digging on several areas in a flood plain, so we almost certainly mistook flood deposits as sterile soil and stopped digging before getting to archaeological evidence. That is, most of our test pits were too shallow to have revealed site features which, if present, would be destroyed when future construction disturbs the ground more deeply than our test pits. Later deep trench testing revealed that many areas of the site contained what is known as a Buried A Horizon, an early living surface buried under a subsequent flood event.
27. Virginia Department of Historic Resource ("VDHR") guidelines require the use of Munsell Soil Color Charts when evaluating a site. A Munsell book contains soil color swatches and descriptions that crew members use to differentiate site stratigraphy over large areas. Site stratigraphy is important to identifying the location, size, and boundaries of areas of occupation. Tyrer possessed a single long-outdated Munsell book which was often unavailable during field projects because it was in use on other projects. While an updated Munsell book was purchased in the latter half of 2017, it was not consistently used at the Point of Forks site. We were not properly trained to use the Munsell book and were not allotted time in the field to conduct Munsell assessments.
28. Tyrer did not invite me to review or verify the maps of purported test areas created by Timmons for the Point of Fork site or to review for accuracy the report drawing conclusions from these tests. Tyrer also did not, in my experience, discuss her conclusions regarding a site's sensitivity or eligibility with the field crew who surveyed or tested it, and field crew were almost never given the opportunity to review drafts of field reports before they were submitted to clients and agencies.
29. I have read correspondence sent to the VDHR by the geoarchaeological subconsultant hired by Tyrer to assist on the site. He stated various objections because Tyrer credited him with co-authorship of the Treatment Plan, and he similarly was never provided the opportunity to review the draft Treatment Plan in advance and object to its conclusions.

Tyrer Lied to State Officials and Demanded That Her Staff Do So

30. Early in the JRWA project, Tyrer provided the crew with a burial permit issued by VDHR, which required her to be on site and supervising the crew's work. The purpose of the requirement is to ensure that burials, if encountered, are recognized as such and that timely and proper protocols are followed for addressing such discoveries. Tyrer was aware that burials were previously documented on the site.
31. Tyrer did not travel to Point of Fork and was largely absent from the site for the first five months of our work. Her absence was consistent with my experience as a crew member on several previous Circa projects that excavated human remains. Tyrer did not remain on site for any of those excavations.
32. On October 12, 2017, Greg LaBudde, a professional with VDHR, visited the site while our crew was working. He asked who was supervising, for which we had no immediate answer since Tyrer's practice was not to designate a field supervisor, even in her absence. When a crew member informed Tyrer of LaBudde's visit, Tyrer was said to have become concerned and bothered. She demanded that a member of the crew inform LaBudde that Tyrer was typically at the site and that she had just left the site temporarily that day. I understood this to mean that Tyrer was asking the entire crew to lie on her behalf.
33. LaBudde returned to the site the following day, October 13, 2017, and Tyrer was again absent. A crew member, following Tyrer's directive, told LaBudde that Tyrer had only temporarily left the site but that she was supervising our work closely—both false statements. The crew member to whom Tyrer spoke by phone that day—one of her longest serving employees—later resigned, explaining to me that her asking him to lie was a major reason for that decision.
34. After LaBudde's second visit, Circa staff learned that Tyrer had received a letter of complaint from VDHR because the project was not complying with the requirement of the burial permit that Tyrer directly supervise work on the site.
35. Soon thereafter, Joe Hines, project lead for Timmons, came to the site and asked me about my professional and academic credentials. Tyrer then instructed me to send her my resume. Tyrer suggested that she might forward my resume to VDHR as "part of modifications to the burial permit." I was concerned about her motivations for the request, because I believed Tyrer had been dishonest previously when communicating with clients and agencies on prior projects. I sent her a copy of my resume in PDF format as that format is harder to manipulate.
36. About two years later, in July 2019, I received a copy of my resume that Tyrer submitted to VDHR. It is substantially modified, and grossly mischaracterizes and exaggerates my experience with prehistoric sites. I have not surveyed and analyzed Native American sites of all periods, as the resume states. My expertise is not in Native American archaeology as the resume states; my master's thesis focused on enslavement of African Americans on Virginia plantations in the antebellum period. While I earned a Master in Archaeology and Heritage degree, I never took a university course on Native American history or archaeology. Further, the submitted resume identifies me as a Field Supervisor, but I was never promoted to or paid as a Field Supervisor during my time at Circa. I was never given the responsibilities of site supervision at Point of Fork or on other projects consistent with that position. I believe Tyrer intentionally mischaracterized my career and expertise to create the appearance of the presence of a highly qualified on-site crew member to lessen the implications of her failure to supervise or guide her employees in this important investigation.
37. In October 2019, I had the opportunity to review a letter from Tyrer to VDHR dated October 20, 2017 in which she insinuates that LaBudde's surprise site visits were inappropriate and that he was hostile or intimidating to our crew. LaBudde was, in fact, very professional. Tyrer's letter, like the unauthorized reworking of my resume, exaggerates my credentials. For example, she states: "Please note that Mr. Mai has performed surveys and analyzed Native American sites of all periods, including Paleoindian to Late Woodland." While I have worked on field crews on several Native American sites, I do not possess enough knowledge to differentiate between Native American site periods and have not investigated all periods, as Tyrer is fully aware.
38. After the VDHR letter of complaint, Tyrer was present more frequently on site, though she typically sat in her vehicle completing reports for other projects. Tyrer did not directly supervise the work we were doing. While I personally excavated most of the Native American cultural features at the proposed pump station, for which I did not possess expert knowledge, Tyrer did not observe my excavations nor did she have direct contact with any Native American cultural feature. The conclusions that she made in the archaeological report are based on the notes that I took on these cultural features, which may be insufficient due to my inexperience in excavating Native American cultural features.
39. After the VDHR letter of complaint, Tyrer replaced two crew members at the Point of Forks site who both lacked academic credentials with two new field crew members who possessed at least a BA in anthropology or a related field. Neither new member had worked for Circa previously. Before long they were reassigned to other sites. One resigned after a short period, stating to other crew members that she was uncomfortable with Circa's methods.

40. I have read the public reporting beginning in September 2019 that VDHR, after an investigation, determined that Tyrer had falsified her academic credentials and qualifications on her CV, which was used to help JRWA secure an anticipatory burial permit for Point of Fork and possibly numerous prior project contracts. Specifically, I have read that she claimed to have two master's degrees, including one in archaeology, but, that VDHR discovered that she has only one master's degree which is not in archaeology, anthropology, or a related field, on which basis VDHR concluded that Tyrer is not qualified under the U.S. Secretary of Interior's standards to lead the work she conducted at Point of Fork.
41. Tyrer was consistently vague when discussing her academic degrees in my presence during my employment. She never referred to having taken any specific archaeology or anthropology courses. She never referred to specific faculty from whom she has learned in her claimed master's in archaeology program. She did state that she was enrolled in a degree program that was ending due to some issues at the educational institution, but that they were going to allow her to complete her degree.

Tyrer Enlisted Untrained Construction Workers to Conduct Archaeological Investigation on Portions of the Site Targeted for Construction

42. During shovel testing on the entire portion of the site where JRWA plans the most ground disturbance—surrounding the proposed water pump station location itself—Tyrer enlisted unoccupied construction workers from Faulconer Construction (vendors to JRWA engineering consultant, Timmons) to perform sensitive archaeological investigations.
43. These workers had never excavated or tested an archaeological site of any kind. They had no educational background or training in archaeology.
44. It is my understanding that Circa did not pay these workers – they were paid by Faulconer Construction.
45. Faulconer Construction workers dug shovel test pits and screened the soil for artifacts, although they told me they had no idea what they were looking for. I was concerned that they would not accurately recognize soil changes and that stratigraphy in the shovel test pits they recorded would be inaccurate.
46. I observed Faulconer Construction workers using inappropriate and destructive equipment, such as a post-hole digging bar, to excavate shovel test pits. Such a tool is heavy and would have a greater chance of damaging artifacts and features before they could be revealed and recovered.
47. I attempted to reduce the harms of using unskilled and untrained persons to conduct sensitive tests by urging them to use proper equipment and trying my best to monitor their work while also doing my own tests. But I was regularly directed by Tyrer to excavate archaeological features in the deeper testing trenches away from this critical area; therefore, there were many times when these construction crew were excavating or screening with no supervision whatsoever.
48. In summary, to the area of greatest proposed disturbance by JRWA, Tyrer sent the least qualified and supervised people to conduct testing.

Archaeological Sensitivity at Point of Fork

49. I have read recent public statements by legal counsel for JRWA that Point of Fork is likely not the location of Rassawek, the Monacan Indian Nation's capital city, and that there is low likelihood of burials at the site. I am not familiar with any scientific evidence or data that would make such assertions reasonable, especially considering the voluminous documentary evidence that places Rassawek on Point of Fork, and the uncovering by a storm of numerous human burials at the site in a prior decade.
50. While my knowledge of Native American archaeology is limited, based on my personal experience with excavations at Point of Fork, the area where the pump station is proposed represents a significant Native American occupation. Tyrer herself stated at the beginning of the project that the proposed construction was on a major site with likely burials, but, as detailed above, left us in the dark as to what we might find and without time or resources to do the background research ourselves.
51. In almost every deep trench we dug at Point of Fork we found archaeological features indicative of significant human habitation (shelter floors and supports, hearths), culture (decorative pottery, including with crenulations), and industry (stone tool construction).
52. While, as I have stated, I am not an expert on Native American sites, I believe the number and types of artifacts and features uncovered were unusual in their archaeological richness. The archaeological remains we found during testing, for example soapstone bowl fragments, were among the most impressive I saw during my more than six years with Circa, and the sites continued to be on my mind after I left Circa.

53. Based on the type and number of features we found during testing, I believe there are numerous features that would be identified by a full-scale data recovery on the site, and at many different depths across the site. I do not believe that machine stripping as contemplated by the Treatment Plan would effectively identify these features because many of them were not visible in our trenches until machine stripping had already removed significant portions of these features. Fine variations in soil color and texture were often difficult to determine at the pace and scale of machine excavation, and it was not until artifacts were seen and sometimes damaged that features could be discerned.
54. Even if the Army Corps of Engineers somehow determines that excavating this site in advance of its destruction is appropriate, a full and scientific excavation would require far more work, and far more careful and costly work, than is proffered in the proposed Treatment Plan.

Circa's Site Report and Treatment Plan Are Inaccurate, Misleading, Unreliable, and Contain Plagiarism

55. After resigning from Circa, I obtained and reviewed a copy of Circa's Phase I/II archaeology report and their proposed site Treatment Plan.
56. Phase I/II report is not a full and accurate assessment of what we found during survey and testing. For example, even with the flawed survey methodology and flawed mapping accuracy and the use of untrained and unsupervised workers, the crew nonetheless found significant evidence of Native American occupation at the JRWA site, including in areas that are downplayed or not acknowledged in the report. For example, we found concentrations of fire-cracked rock (evidence of cooking, as in hearths), debitage (evidence of stone tool production), and other cultural material during shovel survey (and laying on the surface of the ground) by the power line easement near the top of the upper floodplain area. I do not believe the Circa report accurately characterizes the site's cultural richness in this area.
57. The methodology used to analyze the artifacts we found is also misstated. For example, the careful methods used to investigate artifacts in the laboratory Tyrer claims to have followed were not, in fact, used. All artifacts sent to the lab were treated the same, regardless of type, importance, or condition. This approach was consistent with Circa's approach on prior projects. One of my colleagues on the JRWA project crew also served as Circa's lab manager. He was responsible for all artifact processing. However, he does not have training in handling artifacts. He does not have any educational background that would have prepared him for those responsibilities. He has now resigned from Circa.
58. Circa's proposed Treatment Plan (their proposal for how they plan to mitigate the damage to the sites if the plans to build on the site are authorized) also contains promises for quality of care of treatment that is contradicted by Circa's prior practice and capacity. For example, the plan promises that screening will be done using 1/8th inch mesh, which would be preferred at such a sensitive and important site. Screening methods that use smaller mesh screens tend to result in greater quantities of artifacts collected and greater quantities create increased opportunities for rare or underrepresented artifacts to be collected. But I cannot recall Circa ever using such tight screens on a site, no matter how important or sensitive the site.
59. The large trenches proposed in Circa's Treatment Plan will require substantial set-backs due to the depth of the excavations. The plan does not make clear how and whether these set-backs will be mitigated.
60. The plan promises extensive monitoring. Based on my experience working with Circa, particularly at Point of Forks, Tyrer herself almost never shows up to monitor work. Also, Circa has lost many of its more experienced staff over the last year. As a result, it is unlikely that Tyrer will have available Circa staff with monitoring experience.
61. In summer 2019, it became publicly known that an important and lengthy section of Tyrer's proposed Treatment Plan for the Point of Fork site was plagiarized from the dissertation of a former graduate student unaffiliated with the project or Circa. I was not at Circa when the Treatment Plan was written. However, during my employment at Circa only Tyrer or the architectural historian on staff authored such documents.

Circa's Approach to Point of Fork Was the Rule, Not the Exception: Pervasive Inadequacies of Methodology, Ethics, and Expertise

62. After having spent more than six years at Circa at the start of what I hoped would be a long career in CRM, the ethical and professional lapses in Circa's work that I observed were pervasive. Circa's problematic work at Point of Fork was consistent with Tyrer's approach on most sites.
63. Direct staff training was virtually nonexistent at Circa. Tyrer never instructed me on how to properly excavate test units or features, how to assess soil typology, or how to correctly fill out test unit or shovel test pit forms that created the written record for the archaeological investigations we conducted.
64. Because the position at Circa was my first experience in American archaeology and in CRM, I initially learned most of my archaeological approaches from the more senior field staff at Circa, who had no formal archaeological schooling and little archaeological training outside of Tyrer's instruction or that of previous Circa staff.
65. Circa's information recording and collection was spotty, at best, and outright fabricated at worst. On multiple occasions, staff were instructed to create documentation after-the-fact, and even to create paperwork for shovel test pits that had not been dug or to invent data about shovel test pits that were not gathered.
66. For example, during Circa's survey in Nokesville, Virginia of a project reviewed by the Virginia Department of Environmental Quality ("VDEQ"), Tyrer directed staff to excavate every 100 feet instead of every 50 feet as required by the VDHR archaeological survey guidelines. Tyrer directed Circa staff to falsify these shovel test pits by creating non-existent shovel test pit records so that it would appear that all areas were surveyed every 50 feet. Also, when VDEQ reviewed Circa's work at Nokesville and found no Munsell soil color descriptions on the shovel test pits forms, Tyrer directed Circa staff to guess at Munsell values and add them to test pit paperwork in the lab.
67. There was nervousness among the young staff around these regular directions to falsify records. On one occasion, a staff member joked about rubbing dirt on the forms so they would appear to have been used in the field.
68. I understand that a former Circa employee possesses one or more voice recordings of Tyrer discussing falsifying shovel test pit forms.
69. As happened at Point of Fork, Tyrer typically does not visit archaeological sites during fieldwork to supervise or guide the methodology or approach of Circa staff. Tyrer works from home or at the office and writes the reports, frequently without visiting the places about which the reports are written.
70. Tyrer frequently changes the people assigned to crews from week to week, sending out crews of people who have no prior knowledge of the site or the situation in the field. This frequent turnover has caused crew to survey incorrect locations and generated other methodological issues.
71. Sometimes Tyrer will pause fieldwork at a site mid-survey and move the crew to another site for months at a time, without taking precautions to protect the first site during the delays. When the crew returns to these abandoned sites, they must address deteriorated conditions from exposure to bad weather. In some cases, these delays damaged cultural resources present at the original site.
72. I have read the public statements made by the JRWA's legal counsel that Tyrer *must* have been qualified to lead the Point of Fork work—notwithstanding her falsified resume—because Tyrer had performed so many prior investigations in Virginia. From my own observations I can attest that one doesn't become qualified to do quality work by repeatedly getting away with doing poor work. When I suggested more efficient and scientifically accurate ways of completing work, Tyrer responded to me that the way she conducted work was the way it has always been done. I and other crew members often suggested ways in which to do the work in a way that we felt was more accurate; however, Tyrer always rejected our suggestions in favor of her established methods.

Circa's Priorities Are Project Speed and Money, Not Quality or Discovery

73. My experience leads me to conclude that the priorities at Circa are money and speed in assistance of developer timelines over the quality of the work or value of discoveries.
74. Circa would take on multiple projects simultaneously without enough staff to complete the work, or where the budget submitted was inadequate relative to the work required once an investigation began.
75. As just one example, for work in advance of a housing development in Mechanicsville, Virginia, I went into some trees on the site and found a historic house foundation, chimney, and associated archaeological site. The house was on historic maps, but

Tyrer had not been aware of it before our field visit. The recording of the site was then rushed because Circa had not anticipated or apparently budgeted money or time to document a significant site.

76. Circa also prematurely ended archaeological testing required as part of the construction of the Redskins training camp in Richmond on Broad Street. The project area contained a site that had been a Civil War encampment and later became a freedman's community. We found features that several staff members considered likely to have been part of Civil War fortifications. I was present for all excavations at this site, as well as the machine monitoring. I believe that the archaeological investigations undertaken were rushed and features ignored.
77. Based on the Circa projects with which I have direct experience, I believe there are many more examples where state archaeological guidelines and proposal commitments were not followed as required by the terms of the contracts received by Circa.
78. Salary at Circa was not high enough to attract or retain trained archaeologists. For example, I was paid \$10.50 per hour at the start of my employment in 2012 and approximately \$16.50 per hour when I left in 2018, having obtained a master's degree and a graduate certificate in the interim. My colleagues and I were all hourly employees entitled to overtime for work over 40 hours per week. However, Tyrer required us to falsify our hours reports by moving excess hours onto other weeks to avoid Circa paying overtime.
79. Circa has conducted several projects for Timmons. A Circa colleague shared with me that Timmons had expressed interest in acquiring Circa.

I declare under penalty of perjury that the foregoing is true and correct.

Eric V. Mai
Signature of Declarant

ERIC V. MAI
Name of Declarant

Subscribed and sworn to before me this 16th day of OCTOBER 2019.

VIRGINIA NOTARY ACKNOWLEDGMENT

Commonwealth of Virginia

City of Richmond

The foregoing instrument was acknowledged before me this 16th day of October, 2019, by Eric Mai (name of person acknowledged).

Susan Wager Williams 10/16/2019

Signature of Notarial Officer

Notary Registration Number: 4138154

My Commission Expires: March 31, 2023

(Seal)

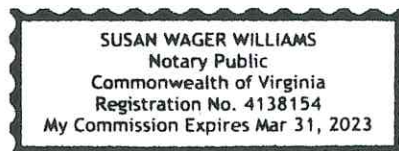


EXHIBIT G

DANIEL R. HAYES
HAYES & MONAGHAN, GEOARCHAEOLOGISTS LLC
125 BENNINGTON RD. • CHARLOTTESVILLE VA 22901 • (434) 906-1584
drhayes125@comcast.net

July 30, 2019

Mr. Steven VanderPloeg
Environmental Scientist
U.S. Army Corps of Engineers, Norfolk District
Western Virginia Regulatory Section
9100 Arboretum Parkway, Suite 235
Richmond, Virginia 23236

Re: *Treatment Plan for Architectural Resources 032-0036 and 032-5124, and
Archaeological Sites 44FV0022, 44FV0024, and 44FV0268, James River Water
Supply Pump Station and Pipeline Alignment, Fluvanna County, Virginia.*
James River Water Authority Project (NAO-2014-00708)
DHR File No. 2015-0984

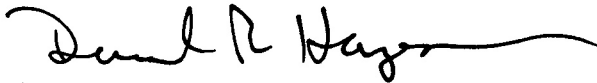
Dear Mr. VanderPloeg,

The revised (March 2019) treatment plan referenced above prepared by Circa~Cultural Resource Management LLC includes me as both a contributing author and as a member of (Part 10.0) *Project Personnel*: I consider both this attribution and inclusion as mistakes. My name was included in this document without my prior knowledge, consent or review. I neither support the treatment plan as proposed, nor have I agreed to participate in its implementation. These are minor issues perhaps, but I prefer they not go uncorrected.

I recently gained access to this document (July 23, 2019) following a FOIA request made to the Commonwealth of Virginia Department of Historic Resources.

Thank you for your consideration.

Sincerely,



Daniel R. Hayes

c. Greg LaBudde, VDHR
John Eddins, ACHP
Eleanor Breen, COVA
Carol Tyrer, Circa CRM

EXHIBIT H



Ellen Chapman <ellen.chapman@gmail.com>

confirming University of Denver degrees

7 messages

Ellen Chapman <ellen.chapman@gmail.com>
To: registrar@du.edu

Wed, Aug 14, 2019 at 3:41 PM

Dear Registrar,

I am writing to confirm that the following degrees were conferred by the University of Denver:

Student: Carol D. Tyrer

Alternate names: Dickert (may be listed under maiden name)

Degrees received:

University of Denver, 2010, MA, History, Archaeology, and Cultural Studies

University of Denver, 2012, MA, English: Creative Writing

I would appreciate having written confirmation, email response to this address would be perfect.

Thanks and best,
Ellen

Office of the Registrar <registrar@du.edu>
To: Ellen Chapman <ellen.chapman@gmail.com>

Wed, Aug 14, 2019 at 4:12 PM

Hello Ellen,

Can you confirm a date of birth for this person?

Office of the Registrar *ge*
University of Denver
University Hall
2197 S. University Blvd
Denver, CO 80208
ph: 303.871.2284
ph: 303.871.4095
Fax: 303.871.4300
registrar@du.edu
www.du.edu/registrar

From: Ellen Chapman <ellen.chapman@gmail.com>
Sent: Wednesday, August 14, 2019 1:41 PM
To: Office of the Registrar <registrar@du.edu>
Subject: confirming University of Denver degrees

[Quoted text hidden]

Ellen Chapman <ellen.chapman@gmail.com>
To: Office of the Registrar <registrar@du.edu>

Wed, Aug 14, 2019 at 4:13 PM


Yes, it is 2/27/1961
[Quoted text hidden]

Ellen Chapman <ellen.chapman@gmail.com>
To: Office of the Registrar <registrar@du.edu>

Wed, Aug 14, 2019 at 4:28 PM

Here is the resume I am trying to confirm.

Thank you!
Ellen
[Quoted text hidden]

 **CTyrer_CV.pdf**
1106K

Office of the Registrar <registrar@du.edu>
To: Ellen Chapman <ellen.chapman@gmail.com>

Wed, Aug 14, 2019 at 7:24 PM

Hello Ellen,

Our records show this person completed the following here at the University of Denver.

Master of Liberal Studies majoring in Global Affairs with a concentration in World History and Culture
Awarded 06/07/2012

Graduate Certificate in Arts and Culture with concentration in Creative Writing
Awarded 06/07/2012

Let us know if we can assist further.

Office of the Registrar *ge*
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Denver, CO 80208
ph: 303.871.2284
ph: 303.871.4095
Fax: 303.871.4300
registrar@du.edu
www.du.edu/registrar

From: Ellen Chapman <ellen.chapman@gmail.com>
Sent: Wednesday, August 14, 2019 2:28 PM
To: Office of the Registrar <registrar@du.edu>
Subject: Re: confirming University of Denver degrees

[Quoted text hidden]

Ellen Chapman <ellen.chapman@gmail.com>
To: Office of the Registrar <registrar@du.edu>

Thu, Aug 15, 2019 at 9:32 AM

Thank you for your reply. Just to be absolutely clear, is it the case that Carol Tyrer has no degree from the University of Denver in the subjects of archaeology or anthropology?

Thanks very much,
Ellen

[Quoted text hidden]

Office of the Registrar <registrar@du.edu>
To: Ellen Chapman <ellen.chapman@gmail.com>

Thu, Aug 15, 2019 at 9:59 AM

Hello Ellen,

No, I do not see any degrees in those subjects.

Let me know if you have any further questions.

Office of the Registrar dlw
University of Denver
University Hall
2197 S. University Blvd
Denver, CO 80208
ph: 303.871.2284
ph: 303.871.4095
Fax: 303.871.4300
registrar@du.edu
www.du.edu/registrar

From: Ellen Chapman <ellen.chapman@gmail.com>

Sent: Thursday, August 15, 2019 7:32 AM

[Quoted text hidden]

[Quoted text hidden]

EXHIBIT I

CAROL D. TYRER
PRESIDENT/PROJECT MANAGER/PRINCIPAL INVESTIGATOR/LABORATORY DIRECTOR
CIRCA~ CULTURAL RESOURCE MANAGEMENT, LLC
Williamsburg, Virginia Office

Education:

University of Tennessee, 1984, BA., Anthropology and Archaeology: Archaeology
University of Tennessee, 1984, BA, English and American Language and Literature: Technical Writing
University of Denver, 2010, MA, History, Archaeology, and Cultural Studies
University of Denver, 2012, MA, English: Creative Writing

Professional Experience:

2005-present: President/Project Manager/Principal Investigator/Laboratory Director, Circa~ Cultural Resource Management, Inc., Williamsburg, Virginia.
2002-2005: Partner/Chief Financial Officer/Operations Manager/Project Manager/Marketing Director/Laboratory Director, James River Institute for Archaeology, Inc. (JRIA), Williamsburg, Virginia.
1995-2002: Operations Manager/Project Manager/Partner/Marketing Director/Archaeological Laboratory Director, Cultural Resources, Inc. (CRI), Williamsburg, Virginia.
1991-1995: Project Manager/Archaeological Laboratory Director, Espey, Huston & Associates, Inc. (EH&A), Williamsburg, Virginia.
1990-1991: Consultant, Colonial Williamsburg Foundation.
1988-1991: Project Manager/Archaeological Laboratory Director, Mid-Atlantic Archaeological Research & Associates (MAAR), Williamsburg, Virginia.
1990 Field Crew, College of William and Mary Archaeological Project Center, Williamsburg, Virginia.
1985-1986: Assistant Curator, Riley County Historical Museum, Manhattan, Kansas.
1985: Assistant Field Supervisor, Environmental Systems, Inc., Kansas City, Kansas.
1985: Field Supervisor/Field Crew, Fort Riley, Kansas, University of Wichita, Kansas.
1983-1984: Field Crew, St. Simon's Island, Georgia, University of Tennessee, Chattanooga, Tennessee.
1982-1984: Lab Technician, University of Tennessee, Chattanooga, Tennessee.
1977-1982: Field and Lab Technician (summers), TVA, Chattanooga, Tennessee

Non-Profit Experience:

1996 to present: Co-president, Friends of the National Park Service Historic Green Spring Park, Williamsburg, Virginia
2010 to present: Vice-president Watermen's Museum, Yorktown, Virginia

Fields of Experience:

Ms. Tyrer has over 32 years of professional experience in the field of archaeology and the management of

archaeological and museum collections. Her current responsibilities at Circa~ include managerial and technical tasks associated with archaeological assessments and Phase I, II, and III excavations, consultation with and representation of clients before state and national review agencies, writing and editing technical reports, preparing and managing project budgets, and developing and implementing archaeological research designs, site predictability models, and sensitivity areas. She has been the principal author of over 400 technical reports and historical studies (all accepted by the regulatory agencies), and worked closely with the Virginia Department of Historic Resources (VDHR) and other official agencies to fulfill the requirements of local, state, and federal regulations related to both archaeological and architectural resources.

As Laboratory Director, Ms. Tyrer has identified, catalogued, and analyzed artifacts from sites in Tennessee, North Carolina, South Carolina, Kentucky, West Virginia, Maryland, Florida, Pennsylvania, Georgia, Kansas, and Virginia. She has performed these analyses on prehistoric sites of all periods (Paleoindian to Late Woodland) and on 17th, 18th, 19th, and 20th century historic sites. She is familiar with the state and federal artifact curation standards and she uses these guidelines when processing artifacts for curation. She has prepared field soil samples for flotation of faunal remains and for carbon-14 dating and has experience in the conservation of metals. She also identifies and analyzes artifacts recovered from excavations and prepares distribution maps, vessel counts, and detailed discussions on artifact types for reports.

Ms. Tyrer's specialty is the identification and analysis of ceramics. She completed specialized computer cataloguing of the extensive ceramic study collection at The Colonial Williamsburg Foundation in Williamsburg, Virginia. Ms. Tyrer has also worked in a county historical museum identifying, labeling, curating, and appraising artifacts and museum specimens, and preparing exhibits. In addition, Ms. Tyrer has re-cataloged and analyzed the approximately 100,000-artifact collection from George Washington's Boyhood Home using the Automated National Catalog System (ANCS) developed by the National Park Service.

In addition, Ms. Tyrer has considerable experience in historic and prehistoric archaeological resources. She has personally designed and completed investigations for dozens of projects ranging from a large-scale study archaeological and historical resources to detailed investigations of numerous individual historic and prehistoric sites throughout the east coast. Ms. Tyrer's technical capabilities include detailed archival and literary research at the local, state, and national levels; site documentation and analysis; evaluation of properties for National Register and State Landmark significance; and

No. T9310342 (with Martha W. McCartney and Alain C. Outlaw).

1994 *Archaeological Investigations at Williamsburg Landing, Inc., James City County, Virginia.* EH&A Document No. CR94025 .

1994 *Phase I Cultural Resources Survey for the Proposed Alternate Route 58 Project, Lee County, Virginia.* EH&A Document No. CR94020.

1994 *Phase I Cultural Resources Investigations for the Route 58 Widening, Grayson County, Virginia.* EH&A Document No. CR94018.

1995 *A Phase IA Archival Study of the Warhill Tract, James City County, Virginia.*

1995 *Phase I Cultural Resources Investigations at Five Permit Areas at Druid Hills, James City County, Virginia.*

1995 *Phase I Survey of the Proposed Runway Expansion for the Richmond International Airport, Henrico County, Virginia .*

1995 *Phase IA Archival Background at the Proposed James City County District Park, James City County, Virginia.*

1995 *Phase II Archaeological Excavations at 44CF373, 44CF379, 44CF382, and 44CF513 at River's Bend, Chesterfield County, Virginia* (with Martha W. McCartney).

1996 *Phase I Cultural Resources Investigations at the 10.5-Acre Williamsburg Landing Tract, James City County, Virginia.*

1996 *Phase IA Cultural Resources Study of the 200-Acre Portion of the Warhill Tract, James City County, Virginia.*

1996 *Archaeological Investigations of the Potomac Creek Site (44ST2), Stafford County, Virginia .*

1996 *Phase I Archaeological Investigations at Sixty-Nine Permit Areas and One Mitigation Area at the South Riding Development, Loudoun County, Virginia* (with Martha W. McCartney).

1996 *Phase IA Archaeological Assessment at the 19 Proposed BMP Locations, Stafford County, Virginia.*

1996 *Phase I and Phase II Archaeological Investigations for Five Permit Areas at the White Oak Semi-Conductor Tract, Henrico County, Virginia* (with Martha W. McCartney).

1996 *Cultural Resources Assessment at the 477-Acre Walnut Farms Tract, Stafford County, Virginia* (with Martha W. McCartney).

1996 *Phase I Cultural Resources Investigations for 75-Acre Permit Area at the Cypress Creek Tract, Isle of Wight County, Virginia* (with Martha W. McCartney) Cultural Resources, Inc. Submitted to Langley and McDonald, P. C., Williamsburg, Virginia.

1996 *Phase I Archaeological Investigations for a Proposed Landfill at the Shoosmith Brothers Tract, Chesterfield County, Virginia* (with Martha W. McCartney).

1997 *Phase I Archaeological Investigations for the Proposed Virginia Power Utility Corridor, Henrico County, Virginia* (with Martha W. McCartney).

1997 *Phase I and Phase II Archaeological Investigations for Five Permit Areas at the White Oak Semiconductor Tract, Henrico County, Virginia* (co-author, with Martha McCartney) Cultural Resources, Inc. Submitted to Williamsburg Environmental Group, Inc., Williamsburg, Virginia.

1997 *Phase I and Phase II Archaeological Investigations for the Proposed Memorial Drive Extension, Henrico County, Virginia* (co-author, with Martha McCartney) Cultural Resources, Inc. Submitted to J. K. Timmons, Richmond, Virginia.

1997 *Phase II Evaluations at Site 44LD535 at the South Riding Development, Loudoun County, Virginia* (with Martha W. McCartney).

1997 *A Cultural Resources Management Plan for Fort A.P. Hill, Caroline County, Virginia* (with Alain C. Outlaw, Martha W. McCartney, and Baird Smith).

1997 *Phase I Cultural Resources Investigation of Approximately 240 Acres and a 32-Acre Permit Area at the Proposed James City County District Park, James City County, Virginia.*

1997 *Phase I Cultural Resources Investigation of the Proposed Woodbury Tract, James City County, Virginia .*

1997 *Phase I Cultural Resources Investigations of Four Permit Areas at the Proposed Warhill Development Tract, James City County, Virginia* Cultural Resources, Inc. Submitted to Williamsburg Environmental Group, Inc., Williamsburg, Virginia.

1997 *Phase I Cultural Resources Investigations of Three Permit Areas at the Proposed Terry Peterson Development Tract, James City County, Virginia* Cultural Resources, Inc. Submitted to Williamsburg Environmental Group, Inc., Williamsburg, Virginia.

1999 *Phase I Archaeological Survey of Two Permit Areas at the Proposed Powhatan Development Tract, James City County, Virginia* (with Matthew R. Laird, Ph.D., and Douglas C. McLearen) Cultural Resources, Inc. Submitted to Langley and McDonald. P. C., Williamsburg, Virginia.

1999 *Phase I Archaeological Survey of Approximately 200 Acres at the Greenmount Property, James City County, Virginia* (with Matthew R. Laird, Ph.D., Douglas C. McLearen, and R. Taft Kiser).

1999 *Phase I Survey of Two Tracts Proposed for the Ford's Colony Development in James City County, Virginia* (with Matthew R. Laird, Ph.D., and Douglas C. McLearen) Cultural Resources, Inc. Submitted to Realtec, Inc., Williamsburg, Virginia.

1998 *Phase I Archaeological Survey of The 196-Acre Green Spring Plantation Site, James City County, Virginia*. Cultural Resources, Inc. Submitted to the National Park Service, Yorktown, Virginia.

1998 *Progress Report Osteological Analysis of Human Remains at Site 44GL394 Gloucester County, Virginia*. Cultural Resources, Inc. Submitted to Waste Management, Gloucester, Virginia.

1999 *Phase I Survey at Two Permit Areas at Williamsburg Crossing, James City County, Virginia* Cultural Resources, Inc. Submitted to Langley and McDonald, P.C., Williamsburg, Virginia.

1999 *Phase I Archaeological Survey of Site 44IW96, Eagle Harbor Tract, Isle of Wight County, Virginia* (contributing author, with Douglas C. McLearen, and Matthew R. Laird, Ph.D.) Cultural Resources, Inc. Submitted to Williamsburg Environmental Group, Inc., Williamsburg, Virginia.

1999 *Revised Data Recovery Plan For Mitigation of Adverse Effects To Interrelated Sites 44GL394, 44GL395, and 44GL399 At The Middle Peninsula Landfill and Recycling Facility Gloucester County, Virginia*. Cultural Resources, Inc. Prepared for Waste Management, Gloucester, Virginia.

1999 *Phase I Archaeological Survey of the Greenmount Property, James City County, Virginia* (contributing author, with Douglas McLearen, and Matthew R. Laird, Ph.D.) Cultural Resources, Inc. Submitted to Brookstone Ventures, LLC, Williamsburg, Virginia.

1999 *Phase I and II Archaeological Investigations of the Liguria Tract, 44JC1018, James City County, Virginia* (with Matthew R. Laird, Ph.D., and Douglas C. McLearen) Cultural Resources, Inc. Submitted to AES Consulting Engineers, Williamsburg, Virginia.

1999 *Phase I Archaeological Survey of Approximately 200 Acres at the Greenmount Property, James City County, Virginia* (with Taft Kiser, Matthew R. Laird, Ph.D., and Douglas McLearen) Cultural Resources, Inc. Submitted to C. A. Barrs, Contractor, Inc., Yorktown, Virginia.

1999 *Phase II Excavations at Sites 44DW103, 44DW286, 44DW287, and 44DW292 at the Chaparral Steel Tract, Dinwiddie County, Virginia* (with Martha W. McCartney).

1999 *Phase II Boundary Determination at Site 44JC679 Green Spring Plantation Development, James City County, Virginia* (co-author, with Martha McCartney) Cultural Resources, Inc. Submitted to Lewis Waltrip, Williamsburg, Virginia.

1999 *Archaeological Testing of Sites 44IW184, 44IW185, and 44IW20, Isle of Wight County, Virginia* (with Douglas C. McLearen) Cultural Resources, Inc. Submitted to Coastal Design & Construction, Inc., Gloucester, Virginia.

1999 *Phase I Archaeological Survey of the Enon Pump Station Site, Chesterfield County, Virginia* (with Martha W. McCartney and contributions by Anthony W. Smith and David M. Givens).

1999 *An Archaeological Assessment of the Brooks Tract, Hanover County, Virginia* (with Douglas C. McLearen, David H. Dutton, and Matthew R. Laird, Ph.D.).

1999 *Phase I Archaeological Survey of Selected Areas of the Eagle Harbor Tract South of Route 17, Isle of Wight County, Virginia* (contributing author, with Douglas C. McLearen, and Matthew R. Laird, Ph.D.) Cultural Resources, Inc. Submitted to Williamsburg Environmental Group, Williamsburg, Virginia.

1999 *Phase II Boundary Determinations for Sites 44JC719, 44JC1009, 44JC1011, 44JC1012, and 44JC1014, James City County, Virginia* (with Douglas C. McLearen, and R. Taft Kiser) Cultural Resources, Inc. Submitted to Carl A. Barrs, Yorktown, Virginia..

1999 *Data Recovery Plan for Site 44JC1006 on the Greenmount Property, James City County, Virginia* Cultural Resources, Inc. Submitted to Malcolm Pirnie, Inc., Newport News, Virginia.

1999 *Phase I Archaeological Survey of the 196-Acre Green Spring Plantation Site, James City County, Virginia* (with Matthew R. Laird, Ph.D.).

1999 *Phase II Archaeological Significance Evaluation of 44NK189, 44NK199, and 44NK201 Associated with Potential Wetlands Mitigation Areas on Capital Region Airport Commission Property in New Kent County, Virginia* (with Douglas C. McLearen).

2002 *Phase II Archaeological Investigation of Sites 44JC1085, 44JC1087, 44JC1088, and 44JC1089 at the Stonehouse Development, James City County, Virginia.* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Stonehouse Development Company, Inc., Williamsburg, Virginia.

2002 *Phase I Archaeological Survey of Four Selected Portions of the Proposed Belleharbour Development, City of Suffolk, Virginia.* (co-authored with Garrett R. Fesler and Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Kimley-Horn & Associates, Inc., Virginia Beach, Virginia.

2002 *Phase I and II Archaeological Survey and Evaluation and Phase I and II Architectural Survey and Evaluation of the Aston (Eley) House and Lot Located in the City of Suffolk, Virginia.* (co-authored with Garrett R. Fesler). James River Institute for Archaeology, Inc. Submitted to Tri-City Developers, LLC, Suffolk, Virginia.

2002 *Phase I Cultural Resources Survey of a Proposed 68-Acre Mining Area, Sussex County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Iluka Resources, Inc., Stony Creek, Virginia.

2002 *Phase I Archaeological Survey of 250 Acres at Fort Pickett, Nottoway County, Virginia.* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Malcolm Pimie, Inc., Newport News, Virginia.

2002 *Phase III Data Recovery at Site 44YO1015, Located at Armed Forces Experimental Training Activity, Camp Peary in York County, Virginia.* James River Institute for Archaeology, Inc. (co-authored with Garrett R. Fesler and Matthew R. Laird). Submitted to AFETA Camp Peary, Williamsburg, Virginia.

2002 *Phase I Survey of Approximately 1.5 Acres, Centex Development, James City County, Virginia.* James River Institute for Archaeology, Inc. (Co-authored with Matthew R. Laird). Submitted to Kerr Environmental Corporation, Virginia Beach, Virginia.

2002 *Phase I Archaeological Survey of the Proposed Richmond Waterline Replacement Project, Richmond, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Greely & Hanson, Inc., Richmond, Virginia.

2002 *Phase I Archaeological Survey of Site 44YO264, York County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Landmark Design Group, Inc., Williamsburg, Virginia.

2002 *Phase II Evaluation of Site 44JC674, James City County, Virginia* (co-authored with Matthew R. Laird).

James River Institute for Archaeology, Inc. Submitted to Jamestown Management, LLC, Williamsburg, Virginia.

2002 *Phase I Archaeological Survey of 26 Acres at Fort Pickett, Nottoway County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Malcolm Pimie, Inc., Newport News, Virginia.

2003 *Phase I Archaeological Survey of the Interior and Immediate Exterior of the Reproduction James Fort Located at Jamestown Settlement, James City County, Virginia* (co-authored with Garrett R. Fesler and Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to The Jamestown-Yorktown Foundation, Williamsburg, Virginia.

2003 *Phase I Archaeological Survey of a Proposed 620' Interpretive Pathway Located at Jamestown Settlement, James City County, Virginia* (co-authored with Garrett R. Fesler and Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Jamestown-Yorktown Foundation, Williamsburg, Virginia.

2003 *Phase I Archaeological Survey of a Proposed 3,700-Foot Desalinization Pipeline Corridor, James City County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to James City County, James City County, Virginia.

2003 *Phase I Archaeological Survey of Approximately 250 Acres at the Greenmount Property, James City County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Greenmount Associates, LLC, Newport News, Virginia.

2003 *Phase I Archaeological Survey of Approximately 14 Acres at the Hankins Tract, James City County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to RMC Allied Readymix, Inc., Atlanta, Georgia.

2003 *Phase I Cultural Resources Survey of the Proposed Virginia State University Student Housing Project Area, Chesterfield County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to VHB, Inc., Williamsburg, Virginia.

2003 *Phase I Archaeological Survey of Permit Areas at the Proposed Watermill Development in Chesterfield County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Centex Homes, Richmond, Virginia.

2003 *Phase I Cultural Resources Survey of a 22.5-Acre Tract (Tax Map 49, Parcel 15), Stafford County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Caly Builders, Inc., Stafford, Virginia.

2004 *Phase I Cultural Resources Survey of Permit Areas, Kingsland Glen, Chesterfield County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Barthol Design Associates, Richmond, Virginia.

2004 *Phase I Survey of Rippon Lodge*. James River Institute for Archaeology, Inc. Submitted to D.R. Horton, Fairfax, Virginia.

2005 *Phase II Evaluations of 22 Sites at the GreenMount Tract..* James River Institute for Archaeology, Inc.

2005 *Phase III Excavations at two sites at the GreenMount Tract..* James River Institute for Archaeology, Inc.

2005 *Phase II Evaluations of three sites at Rippon Lodge*. James River Institute for Archaeology, Inc. Submitted to D.R. Horton, Fairfax, Virginia.

2005 *Phase I Survey of the Sherman Property*. James River Institute for Archaeology, Inc. Submitted to Michael Brown, Williamsburg, Virginia.

2006 *Phase I Archaeological Survey at Quality Way, Southpoint Industrial Park, Prince George County, Virginia* (co-authored with Nancy Phaup and Martha McCartney. Circa~. Submitted to Southpoint Industrial Park, Prince George County, Virginia.

2006 *Phase I Archaeological Survey at Warburton Tract, James City County, Virginia* (co-authored with Nancy Phaup and Martha McCartney. Circa~. Submitted to Ford's Colony, Williamsburg, Virginia.

2006 *Phase I Excavations for the James City County Trail, Warhill Sports Complex, James City County, Virginia* (co-authored with Nancy Phaup and Martha McCartney. Circa~. Submitted to James City County, Virginia.

2006 *Phase I Survey of the Approximately 10-acre BI Chemical Plant, Prince George County, Virginia* (co-authored with Nancy Phaup and Martha McCartney. Circa~. Submitted to Malcolm-Pirnie, Newport News, Virginia.

2006 *Phase I Survey of the Former Hood Property, Henrico County, Virginia*. (co-authored with Nancy Phaup and Martha McCartney. Circa~. Submitted to Timmons Group, Inc., Chesterfield, Virginia.

2006 *Phase I Survey of the Henrico County East Middle School Access Road, Henrico County, Virginia*. (co-authored with Nancy Phaup and Martha McCartney. Circa~. Submitted to Timmons Group, Inc., Chesterfield, Virginia.

2006 *Phase I Survey of the Access Road for Matoaca Park, Chesterfield County, Virginia*. (co-authored with Nancy Phaup and Martha McCartney. Circa~. Submitted to Timmons Group, Inc., Chesterfield, Virginia.

2006 *Phase I Survey of the Realignment of Water Country Way, York County, Virginia*. (co-authored with Nancy Phaup and Martha McCartney. Circa~. Submitted to Busch Properties, Inc., Williamsburg, Virginia.

2007 *Cemetery Boundary Delineation of Site 089-5193 and 089-5202 Wilbourn property Stafford County Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to the Anderson Company, LLC. Manassas, Virginia.

2007 *Current Condition Assessment Brewers Neck Boulevard Isle of Wight County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Current Condition Assessment Caeli Farm Loudon County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Current Condition Assessment Greensville Megasite Greensville County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to Timmons Group, Inc., Chesterfield, Virginia.

2007 *Current Condition Assessment Gresham Property City of Richmond, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to Timmons Group, Inc., Chesterfield, Virginia.

2007 *Current Condition Assessment McCale Property York County, Virginia* ((co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to Vanasse Hangen Brustlin, Williamsburg, Virginia.

2007 *Current Condition Assessment O'Connor Tract Loudon County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Current Condition Assessment Chester Site Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to Vanasse Hangen Brustlin, Williamsburg, Virginia.

2007 *Hancock Village Management Summary, Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Phase I Archaeological Survey of 120 Acres at Jolly Pond Road James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to James City County, Virginia.

2007 *Phase I Archaeological Survey for Approximately 6 Acres Stonehouse Development James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Current Conditions Assessment Dinwiddie Commerce Park, Dinwiddie County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Current Conditions Assessment at Magnolia Green, Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase II Architectural Survey of Timberneck and Catlett Island, Gloucester County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase II Evaluation of Site 44JC845, Moss Creek Development, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Archaeological Excavations of 44JC77, The Stonehouse Site, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase II Archaeological Evaluation for Site 44JC427, Stonehouse Tract, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase II Evaluation of Site 44JC837/047-0046, Stonehouse Tract, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Current Conditions Assessment, Thibault Tract, Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Archaeological Survey of a Proposed Utility Line for the School Sites at Jolly Pond Road, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Current Conditions Assessment, Allegheny Master Plan, Allegheny County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Current Conditions Assessment, Crosspointe Centre, Prince George County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Historical Assessment for Indian Creek Dredging Project, City of Hampton, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase IA Cultural Resources Survey, St. Olaf's Church, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Current Conditions Assessment, Proposed Industrial Access Road Corridor, Crosspointe Centre, Prince George County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Archaeological Survey of 42 Acres at Magnolia Green, Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Cultural Resources Survey of the Smith River Sports Complex Access Road, Henry County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Current Conditions Assessment Roma and Sharpe Tracts, Henry County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase II Archaeological Evaluation for Site 44JC412 Stonehouse Tract, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Proposed Partial Data Recovery Plan for Site 44JC845 at Moss Creek Development, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Architectural Survey of the Greenville Megasite, Greenville County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Proposed Partial Data Recovery Plan for Site 44CF684 at Magnolia Green, Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Archaeological Survey of Timberneck at Catlett Island, Gloucester County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Additional Phase III Archaeological Evaluations at Site 44JC1113 The Colonies, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Management Summary Beaufont Spring, Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Cultural Resources Survey of Permit Areas Within the Bottoms Bridge Tract, New Kent County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Cultural Resources Survey of the Stoup Property, Isle of Wight County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Cultural Resources Survey of Christ United Methodist Church Property, Fairfax County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase II Archaeological Evaluation of Sites 44CF0697, 44CF0700, and 44CF0701 at Magnolia Green,*

2009 *Cultural Resources Survey of 755 Scotland Street City of Williamsburg, Virginia* (with Aaron Levinthal, Amy Humphries, and Dawn Frost, Circa~).

2009 *Phase I Archaeological Survey of Approximately 30 Acres Liberty Landing Property, New Kent County, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Phase I Archaeological Survey of the Cape Henry Inn Tract Fort Story, City of Virginia Beach, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Management Summary, 3410 Goodwin Neck Road, York County, Virginia* (with Dawn Frost, Circa~).

2009 *Phase I Cultural Resources Survey of Quaker Steak and Lube Property, Prince William County, Virginia* (with Dawn Frost, Circa~).

2009 *Phase II Archaeological Survey of Sites 44YO1074 and 44YO1075 Hampton Roads Sanitation District York River Treatment Plant Expansion, York County, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Archaeological Excavations at the Greenhow Cemetery Site 089-5202, Stafford County, Virginia* (with Aaron Levinthal, Amy Humphries, and Dawn Frost, Circa~).

2009 *Phase I Cultural Resources Survey of the Sharpe Tract, Henry County, Virginia* (with Amy Humphries and Dawn Frost, Circa~).

2009 *Phase I Cultural resources Survey of Colonial Heights Baptist Church Property, Chesterfield County, Virginia* (with Amy Humphries and Dawn Frost, Circa~).

2009 *Phase I Archaeological Survey of Approximately One Acre at the Grove Christian Center Property, James City County, Virginia* (with Amy Humphries and Dawn Frost, Circa~).

2009 *Phase II Architectural Survey of the Watkins House, Henry County, Virginia* (with Dawn Frost, Circa~).

2009 *Phase I Cultural Resources Survey of the South Norfolk Jordan Bridge Project, Chesapeake and Portsmouth, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Phase II Architectural Survey Atlantic Wood Industries, Inc. Property, VDHR Site #124-5132, City of Portsmouth, Virginia* (with Dawn Frost, Circa~).

2010 *Current Conditions Assessment Windsor Road Property, Orange County, Virginia* (with Dawn Frost, Circa~).

2010 *Henricus State Park Riverbank Stabilization Project Management Summary, Chesterfield County, Virginia* (with Dawn Frost, Circa~).

2010 *Phase I Archaeological Survey of the 10-Acre Williamsburg James City County Schools Operations Center Expansion, James City County, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Phase I Archaeological Survey of 10 Trails Meadowood Special Recreation Management Area, Fairfax County, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Phase I Cultural Resources Survey of Deep Creek Ball Park Property, City of Chesapeake, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Current Conditions Assessment of the Approximately 350-Acre Dupont-Fabros Development Tract, Loudoun County, Virginia* (with Dawn Frost, Circa~).

2010 *Phase I Cultural Resources Survey of BiCounty Way Property, New Kent County, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Phase I Cultural Resources Survey of Mount Zion Baptist Church, Price William County, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Phase I Cultural Resources Survey of Stafford Commerce Center, Stafford County, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Phase I Cultural Resources Survey of Meherrin River Regional Jail Site, Brunswick County, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Phase I Cultural Resources Survey of Commonwealth Crossing Business Centre Water and Sewer Lines, Henry County, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Wynwood Property Management Summary, Chesterfield County, Virginia* (with Dawn Frost, Circa~).

2010 *Winterfield Commercial Park Viewshed Analysis, Powhatan County, Virginia* (with Dawn Frost, Circa~).

2010 *College Triangle Retail Project – The College of William and Mary Management Summary, City of Williamsburg, Virginia* (with Dawn Frost, Circa~).

2010 *Darby Road Parcels Management Summary, York County, Virginia* (with Dawn Frost, Circa~).

2010 *Phase I Cultural Resources Survey of Bryan's Landing Subdivision, City of Chesapeake, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

Emergency Center Tract, Goochland County, Virginia (with Dawn Frost, Circa~).

2011 Phase I Cultural Resources Survey of Varina Stream Mitigation Bank, Henrico County, Virginia (with Dawn Frost, Circa~).

2011 Addendum to Current Conditions Assessment, Dinwiddie Commerce Park, Dinwiddie County, Virginia (with Dawn Frost, Circa~).

2011 Proposed Data Recovery Plan for Site 44CF0594 at the DeSear Farmstead Site, Chesterfield County, Virginia (with Dawn Frost, Circa~).

2011 Phase I Cultural Resources Survey of Dominion Virginia Power Brunswick Site, Brunswick County, Virginia (with Dawn Frost, Circa~).

2011 Current Conditions Assessment of the Stafford County Elementary School Property, Stafford County, Virginia (with Dawn Frost and Amy Humphries, Circa~).

2011 Phase I Cultural Resources Survey of Washington Ridge, York County, Virginia (with Dawn Frost, Circa~).

2011 Phase I Architectural Survey of Mainline Norfolk-Southern Railroad Project Area, City of Petersburg, Virginia (with Dawn Frost, Circa~).

2011 Phase I Architectural Survey of Mainline Norfolk and Western Railroad Project Area, City of Chesapeake, Virginia (with Dawn Frost, Circa~).

2012 Addendum to Phase I Archaeological Survey of the Proposed Meadowville Parkway, Chesterfield County, Virginia (with Dawn Frost, Circa~).

2012 Addendum to Phase I Cultural Resources Survey of Pole Green Road and Walnut Grove Road Intersection Improvements, Hanover County, Virginia (with Dawn Frost, Circa~).

2012 Management Summary, Dominion Virginia Power Chesterfield Tract Utility Corridor, Chesterfield County, Virginia (with Dawn Frost, Circa~).

2012 Management Summary, Village of Holland Water Supply, City of Suffolk, Virginia (with Dawn Frost, Circa~).

2012 Phase I Architectural Survey of Mainline Norfolk-Southern Railroad Project Area, City of Chesapeake, Virginia (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of Atlee Road Extended, Hanover County, Virginia (with Dawn Frost, Circa~).

2012 Phase III Archaeological Excavations at Site 44JC1018, the Liguria Tract, James City County, Virginia (with Dawn Frost and Amy Humphries, Circa~).

2012 Management Summary, The Midlothian Mines within the Midlothian District of the Richmond Coal Basin, Chesterfield County, Virginia (with Dawn Frost, Circa~).

2012 Management Summary, For Site 44GO0370 West Creek Emergency Center Tract, Goochland County, Virginia (with Dawn Frost, Circa~).

2012 Management Summary, Roanoke Cement Company, Botetourt County, Virginia (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of the Stafford County Chinchester Park Property, Stafford County, Virginia (with Dawn Frost, Circa~).

2012 Current Conditions Assessment Virginia State University Gateway II Residence Hall Student Housing Project, City of Petersburg, Virginia (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of Swift Island Property, Buckingham County, Virginia (with Dawn Frost, Circa~).

2012 Orchard Bridge Commercial Tract Management Summary, Prince William County, Virginia (with Dawn Frost, Circa~).

2012 Phase II Archaeological Excavations at Sites 44CF0592 and 44CF0593, Chesterfield County, Virginia (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of East Point Estates Tract, Currituck County, North Carolina (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of the Upper Susquehanna River Mitigation Bank, Potter County, Pennsylvania (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of Roanoke Cement Company Quarry Expansion and Stream Compensation Sites, Botetourt County, Virginia (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of Willis Farm Tract, City of Suffolk, Virginia (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of Orchard Bridge Tract, Prince William County, Virginia (with Dawn Frost, Circa~).

2012 Current Conditions Assessment of Dual Rail Tract, Dinwiddie County, Virginia (with Dawn Frost, Circa~).

2013 *Management Summary, North Branch Pigeon Creek Mitigation Bank, Washington County, Pennsylvania* (with Dawn Muir-Frost, Circa~)

2013 *Management Summary, Tenmile Creek Mitigation Bank, Washington County, Pennsylvania* (with Dawn Muir-Frost, Circa~)

2013 *Management Summary, Pike Run Mitigation Bank, Washington County, Pennsylvania* (with Dawn Muir-Frost, Circa~)

2013 *Management Summary, Wilson Property, James City County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Management Summary, Laurel Hill Creek Mitigation Bank, Somerset County, Pennsylvania* (with Dawn Muir-Frost, Circa~)

2013 *Management Summary, Cross Creek Mitigation Bank, Washington County, Pennsylvania* (with Dawn Muir-Frost, Circa~)

2013 *Addendum to Phase I Cultural Resources Survey of the Varina Phase of the Virginia Capital Bike Trail Henrico and Charles City Counties, Virginia, A Cultural Resources Survey of the Northern Alignment of the Varina Phase of the Virginia Capital Bike Trail, Henrico and Charles City Counties, Virginia, and A Cultural Resources Survey of the New Market Heights Phase of the Virginia Capital Bike Trail, Henrico and Charles City Counties, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Current Conditions Assessment, House 1414 Ohio Street, City of Chesapeake, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Phase I Cultural Resources Survey of 5636 Guinea Road, Fairfax County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Phase I Cultural Resources Survey of Longpoint Tract, Prince William County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Management Summary, Simpson Road Tract, Dinwiddie County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Management Summary, White Marsh Property, Surry County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *A Supplemental Cultural Resources Survey of the New Market Heights Phase of the Virginia Capital Trail, Henrico and Charles City Counties, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Phase I Architectural Survey of CSXT Bridge over Appomattox River, City of Hopewell, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Phase II Archaeological Excavations of Site 44JC1319 at Colonial Heritage Deer Lake Tract, James City County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Addendum to Phase I Archaeological Survey of the Proposed Meadowville Parkway Wetland Bridge Crossing, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Phase I Cultural Resources Survey of Oakenwold Tract, Stafford County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Phase I Cultural Resources Survey of Burgesses Quarter, York County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Archaeological Excavations at the Moore Family Cemetery, Site 134-0057, City of Virginia Beach, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Phase I Cultural Resources Survey of North Branch Pigeon Creek Mitigation Bank, Washington County, Pennsylvania* (with Dawn Muir-Frost, Circa~)

2013 *Phase I Cultural Resources Survey of Conneauttee Creek Mitigation Bank, Crawford County, Pennsylvania* (with Dawn Muir-Frost, Circa~)

2013 *Management Summary, Rappahannock Cliffs, Essex County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Phase I Cultural Resources Survey of Seely Creek Mitigation Bank, Bradford County, Pennsylvania* (with Dawn Muir-Frost, Circa~)

2013 *Proposed Data Recovery Plan for Site 44LD0679 at the Brambleton Tract, Loudoun County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Proposed Data Recovery Plan for Site 44LD0680 at the Brambleton Tract, Loudoun County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Phase I Cultural Resources Survey of the Buck Property, Loudoun County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Phase III Archaeological Evaluations at Site 44CF0594 and Phase II Evaluation of Site 44CF0595, The DeSear Farmstead Site, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *A Supplemental Cultural Resources Survey of the Varina Phase of the Virginia Capital Trail, Henrico and Charles City Counties, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Management Summary, 4153 Dam Neck Road, City of Virginia Beach, Virginia* (with Dawn Muir-Frost, Circa~)

2014 *Phase I Cultural Resources Survey of Furnace Estates Subdivision, Stafford County, Virginia* (with Dawn Muir-Frost, Circa~)

2014 *Phase I Cultural Resources Survey of Elbow Road Property, City of Chesapeake, Virginia* (with Dawn Muir-Frost, Circa~)

2014 *Phase I Cultural Resources Survey of Kingsland Green Subdivision, Henrico County, Virginia* (with Dawn Muir-Frost, Circa~)

2014 *Supplemental Archaeological Testing of Proposed Drainage Pipe Installation Within Site 44HE1163, Varina Park Phase, Virginia Capital Trail, Henrico County, Virginia* (with Dawn Muir-Frost, Circa~)

2014 *Phase I Cultural Resources Survey of Pleasure House Point Property, City of Virginia Beach, Virginia* (with Dawn Muir-Frost, Circa~)

2014 *Management Summary, Kirby Tract Within the Greenmount Industrial Park, James City County, Virginia* (with Dawn Muir-Frost, Circa~)

2014 *Phase I Cultural Resources Survey of New River Valley Commerce Park, Pulaski County, Virginia* (with Dawn Muir-Frost, Circa~)

2014 *Phase I Cultural Resources Survey of Lynchburg Expressway, City of Lynchburg, Virginia* (with Dawn Muir-Frost, Circa~)

2014 *Phase I Cultural Resources Survey of Patrick Henry Connector Drive, City of Newport News, Virginia* (with Dawn Muir-Frost, Circa~)

2014 *Phase I Cultural Resources Survey of Widewater State Park Property, Stafford County, Virginia* (with Dawn Muir-Frost, Circa~)

2014 *Addendum to Phase I Cultural Resources Survey of Kingsland Green Subdivision, Henrico County, Virginia* (with Dawn Muir-Frost, Circa~)

2014 *Management Summary, Project Cavalier, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~)

2014 *Data Recovery Plan for Site 44CF0701 at Magnolia Green, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~)

2015 *Treatment Plan for Mosley Cemetery Site 44NC0920/058-5128, Mecklenburg County, Virginia* (with Dawn Muir-Frost, Circa~)

2015 *Phase I Architectural Survey of Mason Street Parking Deck, City of Harrisonburg, Virginia* (with Dawn Muir-Frost, Circa~)

2015 *Phase I Cultural Resources Survey of Line VM-131 Pipe Replacement, City of Chesapeake, Virginia* (with Dawn Muir-Frost, Circa~)

2015 *Phase I Cultural Resources Survey of Line VM-129 Pipe Relocation Southampton County, Virginia* (with Dawn Muir-Frost, Circa~)

2015 *Phase II Architectural Survey of the Sandbridge Texaco Station, City of Virginia Beach, Virginia* (with Dawn Muir-Frost, Circa~)

2015 *Supplemental Cultural Resources Survey, Access Road Alignment of the Varina Park Phase, Virginia Capital Trail* (with Dawn Muir-Frost, Circa~)

2015 *Phase I Cultural Resources Survey of the Smith Island Martin National Wildlife Refuge, Hurricane Sandy Resiliency Project #31, Fog Point Living Shoreline Restoration, Somerset County, Maryland* (with Dawn Muir-Frost, Circa~)

2015 *Phase II Survey of Midlothian Mines Within the Midlothian District of the Richmond Coal Basin, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~)

2015 *Phase I Cultural Resources Survey of Jessup Road, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~)

2015 *Current Conditions Assessment Dominion Virginia Power Remington Site, Fauquier County, Virginia* (with Dawn Muir-Frost, Circa~)

2015 *Phase I Cultural Resources Survey of Virginia Truck Tract, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~)

2015 *Current Conditions Assessment, Meadowville Technology Park Project Niagara, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~)

2015 *Current Conditions Assessment, Granville Estates, Stafford County, Virginia* (with Dawn Muir-Frost, Circa~)

2015 *Management Summary, Hibred Easement, Lancaster County, Pennsylvania* (with Dawn Muir-Frost, Circa~)

2015 *Management Summary, Campbell-Briar Creek Mitigation Site, Columbia County, Pennsylvania* (with Dawn Muir-Frost, Circa~)

2015 *Management Summary, Chippewa and Saddle Easement, Bradford County, Pennsylvania* (with Dawn Muir-Frost, Circa~)

2015 *Archaeological Excavations at the Mosley Cemetery Site 44MC0920/058-5128, Mecklenburg County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2015 *Phase I Cultural Resources Survey of the 52-Acre Bush Hill Property, Loudoun County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2015 *Phase I Cultural Resources Survey of Beaverdam Creek Dam Rehabilitation Project, Loudoun County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase II Archaeological Excavations of Site 44PW1941 at Cayden Ridge, Prince William County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Management Summary Route 460 Utility Corridor, City of Suffolk, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Management Summary Firestone Property, Buckingham County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Cultural Resources Survey of the Rhodes Point Erosion Control Project, Somerset County, Maryland* (with Dawn M. Muir-Frost, Circa~)

2016 *Proposed Data Recovery Plan of Site 44PW1941 at Cayden Ridge, Prince William County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Cultural Resources Survey of the Bethlehem Road Property, Prince William County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Archaeological Survey of the Bamboo Removal Site at Colonial National Historical Park, York County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Archaeological Survey of Shore Drive Property, City of Virginia Beach, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Cultural Resources Survey of Eastview Farm Bank Site, Buckingham County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Cultural Resources Survey of the Williamsburg Indoor Sports Complex Indoor Pool Facility, James City County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Cultural Resources Survey of the Norwood Site, City of Emporia, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Cultural Resources Survey of Independence Boulevard Project, York County and the City of Newport News, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Cultural Resources Survey of Lackawaxen Creek Restoration project, Wayne County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Architectural Survey of Firestone Property, Buckingham County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Management Summary, Firestone Property, Buckingham County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Cultural Resources Survey of the Legacy of Poquoson Tract, City of Poquoson, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Management Summary Gilman and Walker Properties, New Kent County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Addendum to Phase I Cultural Resources Survey of Buck Run Restoration Site Property, Washington County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Architectural Survey of 389 Mountain View Road, Stafford County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Management Summary Sempeles Tract, Frederick County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Addendum to Phase I Cultural Resources Survey of Oakenwold Tract, Stafford County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Management Summary Swaterra Creek, Schuylkill County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~)

2016 *Management Summary Graystone Property, Frederick County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Architectural Survey of Providence Subdivision – Section 4, Hanover County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Cultural Resources Survey of Wet Wood Property, New Kent County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Architectural Survey of the Sappony Property, Sussex County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Addendum to Phase I Archaeological Survey of Approximately 113 Acres of the Former Hood Property, Henrico County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2016 *Phase I Archaeological Survey of Eyre Hall Property, Northampton County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Phase I Cultural Resources Survey of Nansemond River Golf Course Property, City of Suffolk, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Phase I Cultural Resources Survey of Sampson Creek Property, City of Chesapeake County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Management Summary, Crystal Hill Property, Halifax County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Management Summary, Deb Allen Property, Halifax County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Phase I Cultural Resources Survey of Proposed Mezzo Apartment Homes Property, City of Virginia Beach, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Phase I Cultural Resources Survey of the Bailey Tract, Chesterfield County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Management Summary, Occoquan Project, Prince William County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Management Summary, Brandy Station Property, Culpeper County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Addendum to Phase I Cultural Resources Survey of Robinson Fork Mitigation Site, Washington County, Pennsylvania* (with Carol D. Tyrer, Circa~)

2017 *Addendum to Phase I Cultural Resources Survey of South Creek Restoration Site, Bradford County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~)

2017 *Phase I Archaeological Survey of Hollyfield North Tract, King William County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Management Summary, Stevensburg Property, Culpeper, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Management Summary, Gardy Mill Property, Westmoreland County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Phase I Cultural Resources Survey Scot Center Relocation, City of Newport News, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Management Summary, Spring Grove Tract, Surry County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Phase I Architectural Survey of the Belcher Tract, Louisa County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Management Summary and Archaeological Probability Analysis, Mount Jackson Property, Shenandoah County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Management Summary, Newtown Road, Hampton Roads Sanitation Department Utility Right-of-Way, City of Virginia Beach, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Management Summary, Western Section of Newtown Road, Hampton Roads Sanitation Department Utility Right-of-Way, City of Virginia Beach, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Phase I Cultural Resources Survey of Buck Run Restoration Site II, Washington County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~)

2017 *Addendum to Phase I Cultural Resources Survey of Pleasure House Point Property, City of Virginia Beach, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Phase I Cultural Resources Survey of American Legion Property, Gloucester County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Phase I Cultural Resources Survey of Fiddlers Green Property, Gloucester County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Ashland Trolley Management Summary, Hanover County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Phase I Cultural Resources Survey of Hogan Kent and Greene Tract, Loudoun County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Phase I Cultural Resources Survey of Pump Station No. 5 and Royal Glen Pump Station Sewer Corridor, Hanover County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Phase I Archaeological Survey of the Mechanicsville Solar Farm Tract, Hanover County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Phase I Architectural Survey of the Mechanicsville Solar Farm Tract, Hanover County, Virginia* (with Dawn M. Muir-Frost, Circa~)

2017 *Phase I Architectural Survey of the Franklin County Property, Franklin County, Virginia* (with Dawn M. Muir-Frost, Circa~)

- 2017 *Phase I Archaeological Survey of Buckingham Solar Site, Buckingham County, Virginia* (with Dawn M. Muir-Frost, Circa~)
- 2017 *Phase I Architectural Survey of Buckingham Solar Site, Buckingham County, Virginia* (with Dawn M. Muir-Frost, Circa~)
- 2017 *Phase I Cultural Resources Survey of Forest Glen, James City County, Virginia* (with Dawn M. Muir-Frost, Circa~)
- 2017 *Phase I Architectural Survey of Gardy's Mill Site, Westmoreland County, Virginia* (with Dawn M. Muir-Frost, Circa~)
- 2017 *S B Solar Farm Current Conditions Assessment, Halifax County, Virginia* (with Dawn M. Muir-Frost, Circa~)
- 2017 *Phase I Archaeological Survey of Gardy's Mill Site, Westmoreland County, Virginia* (with Dawn M. Muir-Frost, Circa~)
- 2017 *Phase I Architectural Survey of Church View Property, Middlesex County, Virginia* (with Dawn M. Muir-Frost, Circa~)
- 2017 *Phase I Archaeological Survey of Church View Property, Middlesex County, Virginia* (with Dawn M. Muir-Frost, Circa~)
- 2018 *Phase I Archaeological Survey of Rives Road, Prince George County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Phase I Architectural Survey of Rives Road, Prince George County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Phase I Cultural Resources Survey of Gala Pipeline, Alleghany County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Phase I Architectural Survey of Spring Grove Property, Surry County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Grasshopper Solar Farm Current Conditions Assessment, Mecklenburg County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Addendum to Phase I Archaeological Survey of Church View Property, Middlesex County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Phase I Cultural Resources Survey of Hai Tran Poultry Farm Property, Accomack County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Phase I Archaeological Survey of Pamplin Solar Farm Site, Appomattox County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Phase I Architectural Survey of Walnut Solar Farm, King and Queen County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Phase II Archaeological Evaluations of the Bailey Tract, Chesterfield County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Phase I Architectural Survey of Pamplin Solar Site, Appomattox County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Cape Solar Farm Current Conditions Assessment, Page County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Cavalier Solar Farm Current Conditions Assessment, Greene County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Dewey Solar Farm Current Conditions Assessment, Orange County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Dogwood Solar Farm Current Conditions Assessment, Page County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Phase I Cultural Resources Survey of Shugart Solar Farm, Charles County, Maryland Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Culpeper Management Summary, Culpeper County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Leatherwood Solar Site Management Summary, Henry County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Phase I Cultural Resources Survey of Haymarket Bypass, Prince William County, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Phase I Archaeological Survey of Chesapeake Solar Site, City of Chesapeake, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Phase I Architectural Survey of Chesapeake Solar Site, City of Chesapeake, Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Phase I Cultural Resources Survey of Seven Pines Mitigation Bank, Marion County, West Virginia* (with Dawn M. Muir, Circa~)
- 2018 *Phase I Architectural Survey of Route 17 – Shoulders Hill Road, City of Suffolk, Virginia* (with Dawn M. Muir, Circa~)

2019 *Phase I Cultural Resources Survey of Toano Self Storage Tract, James City County, Virginia* (with Dawn M. Muir, Circa~)

2019 *Phase I Cultural Resources Survey of Casalight Nokesville Tract, Prince William County, Virginia* (with Dawn M. Muir, Circa~)

2019 *Phase II Architectural Survey of the Wilroy House, City of Suffolk, Virginia* (with Dawn M. Muir, Circa~)

2019 *Phase I Cultural Resources Survey Highland Springs School Tract, Henrico County, Virginia* (with Dawn M. Muir, Circa~)

2019 *Phase I Cultural Resources Survey of Union Bridge Solar Farm, Carroll County, Maryland* (with Dawn M. Muir, Circa~)

2019 *Phase I Architectural Survey of the Walnut Solar Site, King and Queen County, Virginia* (with Dawn M. Muir, Circa~)

2019 *Phase I Archaeological Survey of the Walnut Solar Site, King and Queen County, Virginia* (with Dawn M. Muir, Circa~)

2019 *Phase I Cultural Resources Survey of the Bethlehem Road Property, Prince William County, Virginia* (with Dawn M. Muir, Circa~)

EXHIBIT J

CAROL D. TYRER, RPA
PRESIDENT/PROJECT MANAGER/PRINCIPAL INVESTIGATOR/LABORATORY DIRECTOR
CIRCA~ CULTURAL RESOURCE MANAGEMENT, LLC
Williamsburg, Virginia Office

Education:

University of Tennessee, Chattanooga, 1984, B.A.,
Sociology and Anthropology: Anthropology
University of Tennessee, Chattanooga, 1984, B.A, English
and American Language and Literature: Technical Writing
University of Tennessee, Chattanooga, 1987, English:
Technical Writing Graduate classes
University of Denver
Master of Liberal Studies, June 7, 2012
Major: Global Affairs
Maj/Concentration: World History and Culture
Graduate Certificate, June 7, 2012
Major: Arts and Culture
Maj/Concentration: Creative Writing

Register of Professional Archaeologists: October 2019 to
present

Professional Experience:

2005-present: President/Project Manager/Principal
Investigator/Laboratory Director, Circa~ Cultural Resource
Management, Inc., Williamsburg, Virginia.
2002-2005: Partner/Chief Financial Officer/Operations
Manager/Project Manager/Marketing Director/Laboratory
Director, James River Institute for Archaeology, Inc.
(JRIA), Williamsburg, Virginia.
1995-2002: Operations Manager/Project Manager/
Marketing Director/Archaeological Laboratory Director,
Cultural Resources, Inc. (CRI), Williamsburg, Virginia.
1991-1995: Project Manager/Marketing Director/
Archaeological Laboratory Director, Espey, Huston &
Associates, Inc. (EH&A), Williamsburg, Virginia.
1990-1991: Consultant, Colonial Williamsburg
Foundation.
1988-1991: Project Manager/Archaeological Laboratory
Director, Mid-Atlantic Archaeological Research &
Associates (MAAR), Williamsburg, Virginia.
1990 Field Crew, College of William and Mary
Archaeological Project Center, Williamsburg, Virginia.
1985-1986: Assistant Curator, Riley County Historical
Museum, Manhattan, Kansas.
1985: Assistant Field Supervisor, Environmental Systems,
Inc., Kansas City, Kansas.
1985: Field Supervisor/Field Crew, Fort Riley, Kansas,
University of Wichita, Kansas.
1983-1984: Field Crew, St. Simon's Island, Georgia,
University of Tennessee
1982-1984: Lab Technician, University of Tennessee
1977-1982: Field and Lab Technician (summers), TVA,
Chattanooga, Tennessee

Non-Profit Experience:

1996 to present: Co-president, Friends of the National Park
Service Historic Green Spring Park, Williamsburg,
Virginia
2010 to present: Vice-president Watermen's Museum,
Yorktown, Virginia

Fields of Experience:

Ms. Tyrer has over 42 years of professional experience in
the field of archaeology and the management of
archaeological and museum collections. Her current
responsibilities at Circa~ include managerial and technical
tasks associated with archaeological assessments and Phase
I, II, and III excavations, consultation with and
representation of clients before state and national review
agencies, writing and editing technical reports, preparing
and managing project budgets, and developing and
implementing archaeological research designs, site
predictability models, and sensitivity areas. She has been
the principal author of over 400 technical reports and
historical studies (all accepted by the regulatory agencies),
and worked closely with the Virginia Department of
Historic Resources (VDHR) and other official agencies to
fulfill the requirements of local, state, and federal
regulations related to both archaeological and architectural
resources.

As Laboratory Director, Ms. Tyrer has identified,
catalogued, and analyzed artifacts from sites in Tennessee,
North Carolina, South Carolina, Kentucky, West Virginia,
Maryland, Florida, Pennsylvania, Georgia, Kansas, and
Virginia. She has performed these analyses on prehistoric
sites of all periods (Paleoindian to Late Woodland) and on
17th, 18th, 19th, and 20th century historic sites. She is
familiar with the state and federal artifact curation
standards and she uses these guidelines when processing
artifacts for curation. She has prepared field soil samples
for flotation of faunal remains and for carbon-14 dating and
has experience in the conservation of metals. She also
identifies and analyzes artifacts recovered from excavations
and prepares distribution maps, vessel counts, and detailed
discussions on artifact types for reports.

Ms. Tyrer's specialty is the identification and analysis of
ceramics. She completed specialized computer cataloguing
of the extensive ceramic study collection at The Colonial
Williamsburg Foundation in Williamsburg, Virginia. Ms.
Tyrer has also worked in a county historical museum
identifying, labeling, curating, and appraising artifacts and
museum specimens, and preparing exhibits. In addition,
Ms. Tyrer has re-cataloged and analyzed the approximately
100,000-artifact collection from George Washington's
Boyhood Home using the Automated National Catalog
System (ANCS) developed by the National Park Service.

Ms. Tyrer has considerable experience in historic and prehistoric archaeological resources. She has personally designed and completed investigations for dozens of projects ranging from a large-scale study archaeological and historical resources to detailed investigations of numerous individual historic and prehistoric sites throughout the east coast. Ms. Tyrer's technical capabilities include detailed archival and literary research at the local, state, and national levels; site documentation and analysis; evaluation of properties for National Register and State Landmark significance; and technical report writing. As with other senior staff, she will also be responsible for the formulation of research designs,

preparation of project budgets, selection and guidance of field crews, and the preparation of technical reports.

Ms. Tyrer also has extensive experience with assessment, survey, evaluation, and mitigation of historic and prehistoric resources. She has developed sampling designs for site locations models and settlement patterns for prehistoric and historic sites for tracts of land ranging from a few acres to thousands of acres. These sampling designs are based on previous and present land use, environmental characteristics, and topographic features. Other responsibilities include the dissemination of archaeological information to the public through various media and exhibits, educational site brochures, and site visits.

Selected Publications/Technical Reports:

Archaeological Data Recovery Investigation at Sulley Plantation - Dairy Annex, Chantilly, Virginia (with Harding Polk).

Phase II Archaeological Investigations of Nine Previously Identified Sites (44FX13, 4FX672, 44FX683, 44FX1095, 44FX1327, 44FX1328, 44FX1329, 44FX1621, and 44FX1622) Ft. Belvoir, Virginia (with Jerry Traver and Harding Polk).

Archaeological Data Recovery at 44IW88 A Multicomponent Historic Late Seventeenth Century House Site and Prehistoric Campsite of the Archaic and Woodland Periods, Isle of Wight County, Virginia (with Jerry Traver).

Phase IA Cultural Resource Survey Pittsylvania Commonwealth Plant Pittsylvania County, Virginia (with Jerry Traver).

Phase I Cultural Resource Survey Portsmouth Naval Hospital Portsmouth, Virginia (with Jerry Traver).

Phase IA Cultural Resource Survey for the Proposed King and Queen County Landfill at Piedmont, King and Queen County, Virginia (with Jerry Traver).

Phase I Investigation of Various Development Sites and Training Areas, Vol. II, Ft. Belvoir, Virginia (with Harding Polk and Jerry Traver).

A Plan for Preservation and Interpretation of the Fairfax Ruins and Grave Site at Fort Belvoir, Virginia (with Harding Polk).

Phase IA Cultural Resource Overview for the Proposed U.S. Route 58 Corridor Study Bristol and Salem Districts (Study Areas 1, 2, & 3) Virginia (with Jerry Traver).

Phase I Cultural Resource Survey of the Proposed John Rolfe Parkway, Richmond, Virginia (with Jerry Traver).

Phase I Cultural Resource Survey Nottoway Waterline Southampton County, Virginia (with Jerry Traver).

1991 *A Study of The Architecture, The History, and The Archaeology of George Washington's Ferry Farm Stafford County, Virginia*. EH&A Document No. 9110340 (with Alain C. Outlaw, Martha W. McCartney, and Carl R. Lounsbury).

1991 *Archaeological Investigations of Mechanicsville to Kingsmill Virginia Natural Gas Lateral Pipeline*. EH&A Document No. 9110352 (with Alain C. Outlaw and Martha W. McCartney).

1992 *Terrestrial and Underwater Cultural Resources Investigations for the Wastewater Treatment Upgrade at Camp Lejeune, North Carolina*. EH&A Document No. 9310157 (with Alain C. Outlaw and Robert L. Gearhart II).

1992 *A Cultural Resource Survey of the St. Julian's Creek Annex Norfolk Naval Shipyard Portsmouth, Virginia*. EH&A Document No. 9110565 (with Alain C. Outlaw, Eugene Foster, and Martha W. McCartney).

1992 *Phase I Archaeological Investigations of Spratt Recycling, Inc., Property, (Schwab Tract), Swans Corner, Carolina County, Virginia*. EH&A Document No. 9210040 (with Alain C. Outlaw and Martha W. McCartney).

1992 *Archaeological Investigations at Green Spring, James City County, Virginia*. EH&A Document No. 9110494 (with Alain C. Outlaw and Martha W. McCartney).

Cataloging of Archaeological Collections at George Washington Birthplace National Monument, Westmoreland County, Virginia. Bimonthly reports on file with National Park Service, George Washington Birthplace, Virginia, 1993 - 1994.

1993 *Cultural Resources Investigations for the Sanitary Landfill at Camp Lejeune, North Carolina*.

Department of the Navy Atlantic Division, Norfolk, Virginia. EH&A Project No. 14093 (with Alain C. Outlaw).

1993 *Phase II Archaeological Investigations at 44JC669 and 44JC684, Green Spring, James City County, Virginia.* EH&A Document No. T9310318 (with Alain C. Outlaw and Martha W. McCartney).

1994 *Phase I Cultural Resources Investigations Near Owl Trap, Gloucester County, Virginia.* EH&A Document No. T9310342 (with Martha W. McCartney and Alain C. Outlaw).

1994 *Archaeological Investigations at Williamsburg Landing, Inc., James City County, Virginia.* EH&A Document No. CR94025.

1994 *Phase I Cultural Resources Survey for the Proposed Alternate Route 58 Project, Lee County, Virginia.* EH&A Document No. CR94020.

1994 *Phase I Cultural Resources Investigations for the Route 58 Widening, Grayson County, Virginia.* EH&A Document No. CR94018.

1995 *A Phase IA Archival Study of the Warhill Tract, James City County, Virginia.*

1995 *Phase I Cultural Resources Investigations at Five Permit Areas at Druid Hills, James City County, Virginia.*

1995 *Phase I Survey of the Proposed Runway Expansion for the Richmond International Airport, Henrico County, Virginia.*

1995 *Phase IA Archival Background at the Proposed James City County District Park, James City County, Virginia.*

1995 *Phase II Archaeological Excavations at 44CF373, 44CF379, 44CF382, and 44CF513 at River's Bend, Chesterfield County, Virginia* (with Martha W. McCartney).

1996 *Phase I Cultural Resources Investigations at the 10.5-Acre Williamsburg Landing Tract, James City County, Virginia.*

1996 *Phase IA Cultural Resources Study of the 200-Acre Portion of the Warhill Tract, James City County, Virginia.*

1996 *Archaeological Investigations of the Potomac Creek Site (44ST2), Stafford County, Virginia.*

1996 *Phase I Archaeological Investigations at Sixty-Nine Permit Areas and One Mitigation Area at the South Riding Development, Loudoun County, Virginia* (with Martha W. McCartney).

1996 *Phase IA Archaeological Assessment at the 19 Proposed BMP Locations, Stafford County, Virginia.*

1996 *Phase I and Phase II Archaeological Investigations for Five Permit Areas at the White Oak Semi-Conductor Tract, Henrico County, Virginia* (with Martha W. McCartney).

1996 *Cultural Resources Assessment at the 477-Acre Walnut Farms Tract, Stafford County, Virginia* (with Martha W. McCartney).

1996 *Phase I Cultural Resources Investigations for 75-Acre Permit Area at the Cypress Creek Tract, Isle of Wight County, Virginia* (with Alain C. Outlaw and Martha W. McCartney) Cultural Resources, Inc. Submitted to Langley and McDonald, P. C., Williamsburg, Virginia.

1996 *Phase I Archaeological Investigations for a Proposed Landfill at the Shoosmith Brothers Tract, Chesterfield County, Virginia* (with Martha W. McCartney).

1997 *Phase I Archaeological Investigations for the Proposed Virginia Power Utility Corridor, Henrico County, Virginia* (with Martha W. McCartney).

1997 *Phase I and Phase II Archaeological Investigations for Five Permit Areas at the White Oak Semiconductor Tract, Henrico County, Virginia* (co-author, Alain C. Outlaw and Martha McCartney) Cultural Resources, Inc. Submitted to Williamsburg Environmental Group, Inc., Williamsburg, Virginia.

1997 *Phase I and Phase II Archaeological Investigations for the Proposed Memorial Drive Extension, Henrico County, Virginia* (co-author, Alain C. Outlaw and Martha McCartney) Cultural Resources, Inc. Submitted to J. K. Timmons, Richmond, Virginia.

1997 *Phase II Evaluations at Site 44LD535 at the South Riding Development, Loudoun County, Virginia* (with Martha W. McCartney).

1997 *A Cultural Resources Management Plan for Fort A.P. Hill, Caroline County, Virginia* (with Alain C. Outlaw, Martha W. McCartney, and Baird Smith).

1997 *Phase I Cultural Resources Investigation of Approximately 240 Acres and a 32-Acre Permit Area at the Proposed James City County District Park, James City County, Virginia.*

1997 *Phase I Cultural Resources Investigation of the Proposed Woodbury Tract, James City County, Virginia.*

1997 *Phase I Cultural Resources Investigations of Four Permit Areas at the Proposed Warhill Development Tract, James City County, Virginia* Cultural Resources, Inc. Submitted to Williamsburg Environmental Group, Inc., Williamsburg, Virginia.

1997 *Phase I Cultural Resources Investigations of Three Permit Areas at the Proposed Terry Peterson Development Tract, James City County, Virginia* Cultural Resources, Inc. Submitted to Williamsburg Environmental Group, Inc., Williamsburg, Virginia.

1997 *Phase I Cultural Resources Investigations of the Proposed Lake Powell Forest Tract, James City County, Virginia.*

1997 *Phase II Archaeological Evaluations at Sites 44CF538 and 44CF543 on the Shoosmith Brothers Tract, Chesterfield County, Virginia.*

1997 *Phase II and Phase III Archaeological Investigations at Site 44JC93 Green Spring Plantation, James City County, Virginia* (with Martha W. McCartney).

1997 *Archaeological Assessment of the Fort Fisher Tract, Dinwiddie County, Virginia* (with Martha W. McCartney).

1997 *Phase I Survey of Indian River Road from: Lynnhaven Parkway to: Elbow Road (U000-134-146, PE-101) and Elbow Road From: Indian River Road to: 0.80 KM (0.5 MI) West of Princess Anne Road (U000-134-147, PE-101), City of Virginia Beach, Virginia, DRAFT* (with Martha W. McCartney).

1997 *Phase II Excavations at Site 44DW103, the Fort Fisher Tract, Dinwiddie County, Virginia* (with Martha W. McCartney).

1997 *Plan for the Archaeological Excavation of Historic Burials at Site 33JC966, Lake Powell Forest Tract, James City County, Virginia.*

1997 *Phase II Evaluation at Site 44GO290, Goochland County, Virginia* (co-authored with Martha McCartney) Cultural Resources, Inc. Submitted to Richard Sharp, Richmond, Virginia.

1997 *Archaeological Assessment of the Goodrich River Tract, Chesterfield County, Virginia* (co-authored with Martha McCartney) Cultural Resources, Inc. Submitted to The Goodrich River Trust Tract, Chester, Virginia.

1997 *Archaeological Assessment of the Approximately 595 Acre Meadowville Technology Park Tract, Chesterfield County, Virginia* (co-authored with Martha McCartney) Cultural Resources, Inc. Submitted to Timmons Consulting Engineers, Richmond, Virginia.

1997 *Plan for The Archaeological Excavation of Historic Burials At Site 44JC966 Lake Powell Forest Tract, James City County, Virginia.* Cultural Resources, Inc. Submitted to Horton and Dodd, P.C., Chesapeake, Virginia.

1997 *Phase I and Phase II Archaeological Investigations at the Approximately 798-Acre Phase IV, V,*

and VI Tracts at the South Riding Development, Loudoun County, Virginia, DRAFT (with James G. Harrison III and Martha W. McCartney).

1998 *Phase I Cultural Resources Investigations of Approximately 93 Acres at the Proposed Fenwick Hills Tract, James City County, Virginia* Cultural Resources, Inc. Submitted to BGA Richneck, L. L. C., Newport News, Virginia.

1998 *Phase II Excavations at Sites 44DW103, 44DW286, and 44DW287 at the Proposed Chaparral Steel Tract, Dinwiddie County, Virginia* (with Martha W. McCartney).

1998 *Archaeological Assessment of Judicial Boulevard and West Neck Parkway City of Virginia Beach, Virginia* (co-author, with Martha McCartney). Cultural Resources, Inc. Submitted to Langley and McDonald, P.C., Virginia Beach, Virginia.

1998 *Phase I Cultural Resources Investigations 6.57 +/- Acre Capitol Landing Road Tract, City of Williamsburg, Virginia* Cultural Resources, Inc. Submitted to Consolidated Realty Management Corporation, Williamsburg, Virginia.

1998 *An Archaeological Assessment of Two Tracts Proposed for the Ford's Colony Development in James City County, Virginia* (contributing author, with Douglas C. McLearn, and Matthew R. Laird, Ph.D.) Cultural Resources, Inc. Submitted to Realtec, Inc., Williamsburg, Virginia.

1998 *Phase I Archaeological Survey of the Goodrich River Tract, Chesterfield County, Virginia* (with Douglas C. McLearn and Martha W. McCartney).

1998 *Cultural Resources Survey for the Industrial Access Road, Dinwiddie County, Virginia* (with Martha W. McCartney).

1998 *Phase II Significance Evaluation of Site 44HE696, in the Elko Tract, Henrico County, Virginia* (contributing author with Douglas C. McLearn, and Matthew R. Laird, Ph.D.) Cultural Resources Inc. Submitted to County of Henrico, Department of Public Works, Richmond, Virginia.

1998 *Archaeological Assessment of the Filtrona Tract, Chesterfield County, Virginia* (with Matthew R. Laird, Ph.D.)

1998 *Phase I Archaeological Survey of the 196-Acre Green Spring Plantation Site, James City County, Virginia* (with the James River Institute for Archaeology).

1999 *Phase II Boundary Determination at Site 44JC679 Green Springs Plantation Development, James City County, Virginia* (with Martha W. McCartney).

1999 *Phase I Archaeological Survey on One Permit Area at the Proposed Powhatan Development Tract, James City County, Virginia* (with Matthew R. Laird, PhD.) Cultural Resources, Inc. Submitted to Langley and McDonald, P.C., Williamsburg, Virginia.

1999 *Phase I Archaeological Survey of Two Permit Areas at the Proposed Powhatan Development Tract, James City County, Virginia* (with Matthew R. Laird, Ph.D., and Douglas C. McLearen) Cultural Resources, Inc. Submitted to Langley and McDonald. P. C., Williamsburg, Virginia.

1999 *Phase I Archaeological Survey of Approximately 200 Acres at the Greenmount Property, James City County, Virginia* (with Matthew R. Laird, PhD., Douglas C. McLearen, and R. Taft Kiser).

1999 *Phase I Survey of Two Tracts Proposed for the Ford's Colony Development in James City County, Virginia* (with Matthew R. Laird, Ph.D., and Douglas C. McLearen) Cultural Resources, Inc. Submitted to Realtec, Inc., Williamsburg, Virginia.

1998 *Phase I Archaeological Survey of The 196-Acre Green Spring Plantation Site, James City County, Virginia*. Cultural Resources, Inc. Submitted to the National Park Service, Yorktown, Virginia.

1998 *Progress Report Osteological Analysis of Human Remains at Site 44GL394 Gloucester County, Virginia*. Cultural Resources, Inc. Submitted to Waste Management, Gloucester, Virginia.

1999 *Phase I Survey at Two Permit Areas at Williamsburg Crossing, James City County, Virginia* Cultural Resources, Inc. Submitted to Langley and McDonald, P.C., Williamsburg, Virginia.

1999 *Phase I Archaeological Survey of Site 44IW96, Eagle Harbor Tract, Isle of Wight County, Virginia* (contributing author, with Douglas C. McLearen, and Matthew R. Laird, Ph.D.) Cultural Resources, Inc. Submitted to Williamsburg Environmental Group, Inc., Williamsburg, Virginia.

1999 *Revised Data Recovery Plan For Mitigation of Adverse Effects To Interrelated Sites 44GL394, 44GL395, and 44GL399 At The Middle Peninsula Landfill and Recycling Facility Gloucester County, Virginia*. Cultural Resources, Inc. Prepared for Waste Management, Gloucester, Virginia.

1999 *Phase I Archaeological Survey of the Greenmount Property, James City County, Virginia* (contributing author, with Douglas McLearen, and Matthew R. Laird, Ph.D.) Cultural Resources, Inc. Submitted to Brookstone Ventures, LLC, Williamsburg, Virginia.

1999 *Phase I and II Archaeological Investigations of the Liguria Tract, 44JC1018, James City County, Virginia* (with Matthew R. Laird, PhD., and Douglas C. McLearen) Cultural Resources, Inc. Submitted to AES Consulting Engineers, Williamsburg, Virginia.

1999 *Phase I Archaeological Survey of Approximately 200 Acres at the Greenmount Property, James City County, Virginia* (with Taft Kiser, Matthew R. Laird, Ph.D., and Douglas McLearen) Cultural Resources, Inc. Submitted to C. A. Barrs, Contractor, Inc., Yorktown, Virginia.

1999 *Phase II Excavations at Sites 44DW103, 44DW286, 44DW287, and 44DW292 at the Chaparral Steel Tract, Dinwiddie County, Virginia* (with Martha W. McCartney).

1999 *Phase II Boundary Determination at Site 44JC679 Green Spring Plantation Development, James City County, Virginia* (co-author, with Martha McCartney) Cultural Resources, Inc. Submitted to Lewis Waltrip, Williamsburg, Virginia.

1999 *Archaeological Testing of Sites 44IW184, 44IW185, and 44IW20, Isle of Wight County, Virginia* (with Douglas C. McLearen) Cultural Resources, Inc. Submitted to Coastal Design & Construction, Inc., Gloucester, Virginia.

1999 *Phase I Archaeological Survey of the Enon Pump Station Site, Chesterfield County, Virginia* (with Martha W. McCartney and contributions by Anthony W. Smith and David M. Givens).

1999 *An Archaeological Assessment of the Brooks Tract, Hanover County, Virginia* (with Douglas C. McLearen, David H. Dutton, and Matthew R. Laird, PhD.).

1999 *Phase I Archaeological Survey of Selected Areas of the Eagle Harbor Tract South of Route 17, Isle of Wight County, Virginia* (contributing author, with Douglas C. McLearen, and Matthew R. Laird, Ph.D.) Cultural Resources, Inc. Submitted to Williamsburg Environmental Group, Williamsburg, Virginia.

1999 *Phase II Boundary Determinations for Sites 44JC719, 44JC1009, 44JC1011, 44JC1012, and 44JC1014, James City County, Virginia* (with Douglas C. McLearen, and R. Taft Kiser) Cultural Resources, Inc. Submitted to Carl A. Barrs, Yorktown, Virginia.

1999 *Data Recovery Plan for Site 44JC1006 on the Greenmount Property, James City County, Virginia* Cultural Resources, Inc. Submitted to Malcolm Pirnie, Inc., Newport News, Virginia.

1999 *Phase I Archaeological Survey of the 196-Acre Green Spring Plantation Site, James City County, Virginia* (with Matthew R. Laird, Ph.D.).

- 1999 *Phase II Archaeological Significance Evaluation of 44NK189, 44NK199, and 44NK201 Associated with Potential Wetlands Mitigation Areas on Capital Region Airport Commission Property in New Kent County, Virginia* (with Douglas C. McLearen).
- 1999 *Phase I Survey at Two Areas at the Prime Retail Outlet, James City County, Virginia.*
- 1999 *Phase I Archaeological Survey of Wetlands Mitigation and Permit Areas Along Tomahawk Creek and Little Tomahawk Creek in Chesterfield County, Virginia* (co-authored with Douglas C. McLearen and Matthew R., Ph.D.). Cultural Resources, Inc. Submitted to Watermill Properties, LLC, Williamsburg, Virginia.
- 2000 *Phase II Testing at Archaeological Sites 44JC686 and 44JC687 at the Proposed Patriot's Colony Tract, James City County, Virginia* (with Douglas C. McLearen).
- 2000 *Phase I Archaeological Survey of a 52-Acre Tract Slated for Industrial Development at the Bear Island Property in Prince George County, Virginia* (with Douglas C. McLearen, Anthony W. Smith, David M. Givens, and Matthew R. Laird, Ph.D.).
- 2000 *Data Recovery Plan, Archaeological Site 44JC1004 Ford's Colony, James City County, Virginia* Cultural Resources, Inc. Submitted to Realtec, Inc., Williamsburg, Virginia.
- 2000 *Intensive Testing at Archaeological Sites 44JC686 and 44JC687 at the Proposed Patriots Colony Tract, James City County, Virginia* (co-authored with Douglas C. McLearen) Cultural Resources, Inc. Submitted to The Williamsburg Environmental Group, Inc., Williamsburg, Virginia.
- 2000 *Phase I Archaeological Survey of the Proposed Meadowville Parkway, Chesterfield County, Virginia* (with Douglas C. McLearen, Martha W. McCartney, and David M. Givens).
- 2000 *Phase I Archaeological Identification Survey of Beaverdam Creek Pumping Station Force Main Improvements in Henrico County, Virginia* (with Douglas C. McLearen, Matthew R. Laird, Ph.D., and R. Taft Kiser).
- 2000 *Phase II Significance Evaluation of Site 44HE706 in the Elko Tract, Henrico County, Virginia* (senior author, with Matthew R. Laird, Ph.D., Donald G. Jones, Ph.D., R. Taft Kiser, and David M. Givens).
- 2000 *Phase I Archaeological Survey: Proposed BMP Pond, Wetland Mitigation Site, Construction Staging Area, and 1300 foot Section of Road Alignment Associated with the Proposed Meadowville Parkway, Chesterfield County, Virginia* (contributing author, with Douglas C. McLearen (senior author), Martha W. McCartney, and David M. Givens).
- 2000 *Phase I Archaeological Survey of Permit Areas Along a Portion of the Proposed Watermill Parkway in Chesterfield County, Virginia* (contributing author, with Douglas C. McLearen (senior author), Matthew R. Laird, Ph.D., and R. Taft Kiser).
- 2000 *Phase I Archaeological Identification Survey of Beaverdam Creek Pumping Station Force Main Improvements in Henrico County, Virginia* (contributing author, with Douglas C. McLearen (senior author), R. Taft Kiser, and Matthew R. Laird, Ph.D.) Cultural Resources, Inc. Submitted to Michael Baker, Jr., Inc., Richmond, Virginia.
- 2000 *Phase I Archaeological Survey of the Malvern Hill Wetland Mitigation Area, Henrico County, Virginia* (contributing author, with Douglas C. McLearen, Matthew R. Laird, Ph.D., and David M. Givens) Cultural Resources, Inc. Submitted by H. H. Hunt, Glen Allen, Virginia.
- 2001 *Phase II Evaluation at Site 44JC371 Ford's Colony Development in James City County, Virginia* (co-authored with Matthew R. Laird). Cultural Resources, Inc. Submitted to Realtec, Inc., Williamsburg, Virginia.
- 2001 *Phase I Cultural Resources Survey Zion Crossroads Tract, Lousia County, Virginia* (co-authored with Matthew R. Laird, and David M. Givens) Cultural Resources, Inc. Submitted to Carter Burgess, Fort Worth, Texas.
- 2001 *Phase II Evaluation at Site 44JC371 Ford's Colony Development in James City County, Virginia* (co-authored with Matthew R. Laird, Ph.D.) Cultural Resources, Inc. Submitted to Realtec, Inc., Williamsburg, Virginia.
- 2001 *Phase I Archaeological Survey of the Proposed 600 Foot Bike Trail Extension, James City County, Virginia* Cultural Resources, Inc. Submitted to James City County Development Management Office, Williamsburg, Virginia.
- 2001 *Phase I Archaeological Survey, Court Square, Albemarle County, Virginia* (contributing author, with Matthew R. Laird, Ph.D., and Clifton A. Huston). Cultural Resources, Inc. Submitted to PMA Planners and Architects, Newport News, Virginia.
- 2001 *Phase I Cultural Resources Survey, John Rolfe Parkway, Henrico County, Virginia* (contributing author with David H. Dutton, and David M. Givens) Cultural Resources Inc. Submitted to The Williamsburg Environmental Group, Inc., Williamsburg, Virginia.
- 2001 *Phase I Cultural Resources Survey, Garcia Tract, Loudoun County, Virginia* Cultural Resources Inc. Submitted to Barclay Ridge, L.L.C., Vienna, Virginia.

2002 *Phase I Archaeological Survey of the Proposed 8-Acre Williamsburg Apartments Property, James City County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Dr. David G. Walker, Williamsburg, Virginia.

2002 *Phase II Archaeological Investigation of Sites 44JC1085, 44JC1087, 44JC1088, and 44JC1089 at the Stonehouse Development, James City County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Stonehouse Development Company, Inc., Williamsburg, Virginia.

2002 *Phase I Archaeological Survey of Four Selected Portions of the Proposed Belleharbour Development, City of Suffolk, Virginia* (co-authored with Garrett R. Fesler and Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Kimley-Horn & Associates, Inc., Virginia Beach, Virginia.

2002 *Phase I and II Archaeological Survey and Evaluation and Phase I and II Architectural Survey and Evaluation of the Aston (Eley) House and Lot Located in the City of Suffolk, Virginia* (co-authored with Garrett R. Fesler). James River Institute for Archaeology, Inc. Submitted to Tri-City Developers, LLC, Suffolk, Virginia.

2002 *Phase I Cultural Resources Survey of a Proposed 68-Acre Mining Area, Sussex County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Iluka Resources, Inc., Stony Creek, Virginia.

2002 *Phase I Archaeological Survey of 250 Acres at Fort Pickett, Nottoway County, Virginia*. (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Malcolm Pirnie, Inc., Newport News, Virginia.

2002 *Phase III Data Recovery at Site 44YO1015, Located at Armed Forces Experimental Training Activity, Camp Peary in York County, Virginia*. James River Institute for Archaeology, Inc. (co-authored with Garrett R. Fesler and Matthew R. Laird). Submitted to AFETA Camp Peary, Williamsburg, Virginia.

2002 *Phase I Survey of Approximately 1.5 Acres, Centex Development, James City County, Virginia*. James River Institute for Archaeology, Inc. (co-authored with Matthew R. Laird). Submitted to Kerr Environmental Corporation, Virginia Beach, Virginia.

2002 *Phase I Archaeological Survey of the Proposed Richmond Waterline Replacement Project, Richmond, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Greely & Hanson, Inc., Richmond, Virginia.

2002 *Phase I Archaeological Survey of Site 44YO264, York County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc.

Submitted to Landmark Design Group, Inc., Williamsburg, Virginia.

2002 *Phase II Evaluation of Site 44JC674, James City County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Jamestown Management, LLC, Williamsburg, Virginia.

2002 *Phase I Archaeological Survey of 26 Acres at Fort Pickett, Nottoway County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Malcolm Pirnie, Inc., Newport News, Virginia.

2003 *Phase I Archaeological Survey of the Interior and Immediate Exterior of the Reconstruction James Fort Located at Jamestown Settlement, James City County, Virginia* (co-authored with Garrett R. Fesler and Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to The Jamestown-Yorktown Foundation, Williamsburg, Virginia.

2003 *Phase I Archaeological Survey of a Proposed 620' Interpretive Pathway Located at Jamestown Settlement, James City County, Virginia* (co-authored with Garrett R. Fesler and Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Jamestown-Yorktown Foundation, Williamsburg, Virginia.

2003 *Phase I Archaeological Survey of a Proposed 3,700-Foot Desalinization Pipeline Corridor, James City County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to James City County, James City County, Virginia.

2003 *Phase I Archaeological Survey of Approximately 250 Acres at the Greenmount Property, James City County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Greenmount Associates, LLC, Newport News, Virginia.

2003 *Phase I Archaeological Survey of Approximately 14 Acres at the Hankins Tract, James City County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to RMC Allied Readymix, Inc., Atlanta, Georgia.

2003 *Phase I Cultural Resources Survey of the Proposed Virginia State University Student Housing Project Area, Chesterfield County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to VHB, Inc., Williamsburg, Virginia.

2003 *Phase I Archaeological Survey of Permit Areas at the Proposed Watermill Development in Chesterfield County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Centex Homes, Richmond, Virginia.

2003 *Phase I Cultural Resources Survey of a 22.5-Acre Tract (Tax Map 49, Parcel 15), Stafford County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Caly Builders, Inc., Stafford, Virginia.

2003 *Phase I Archaeological Survey of Seven Testing Areas Associated with the Goochland/Henrico Regional Force Main Project, Goochland and Henrico Counties, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Timmons Group, Richmond, Virginia.

2003 *Archaeological Testing at Red Hill, Charlotte County, Virginia* (co-authored with Nicholas M. Lucchetti). James River Institute for Archaeology, Inc. Submitted to Patrick Henry National Memorial, Brookneal, Virginia.

2003 *Phase IA Historical and Archaeological Assessment of Approximately 50 Acres Located in the City of Chesapeake, Virginia* (co-authored with Garrett R. Fesler). James River Institute for Archaeology, Inc. Submitted to HDR Engineering, Inc., Richmond, Virginia.

2003 *Phase II Evaluations of Sites 054-0988, 44LD767, and 44LD757, Loudoun County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to John Laing Homes, LLC, Vienna, Virginia.

2003 *Phase I Archaeological Survey of Approximately 16 Acres at the Proposed Rippon Boulevard Elementary School Project, Prince William County, Virginia*. James River Institute for Archaeology, Inc. Submitted to HGS, Manassas, Virginia.

2003 *Phase I Cultural Resources Survey of Approximately 10 Acres of the Project "Value" Property, Rockingham County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to H and M Architects/Engineers, Inc., Jackson, Tennessee.

2003 *Phase I Archaeological Survey of 450 Acres at Fort Pickett, Nottoway County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Malcolm Pirnie, Inc., Newport News, Virginia.

2003 *Archaeological Excavations at Site 44ST269, Stafford County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Leeland Station, LLC, Rockville, Maryland.

2003 *Data Recovery Plan for Site 44JC1012 on the Greenmount Property, James City County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Greenmount Associates, LLC, Newport News, Virginia.

2003 *Data Recovery Plan for Site 44JC1009 on the Greenmount Property, James City County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Greenmount Associates, LLC, Newport News, Virginia.

2003 *Phase I Archaeological Survey of Approximately 22 Acres, Henrico County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Michael Baker, LLC, Richmond, Virginia.

2003 *Phase I Archaeological Survey of the Proposed Meadowville Technology Park Industrial Access Road Realignment, Chesterfield County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Timmons Group, Richmond, Virginia.

2003 *Phase II Evaluations of Sites 44JC276, 44JC278, 44JC279, and 44JC425, James City County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Stonehouse Development Company, Inc., Williamsburg, Virginia.

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2003 *Phase I Archaeological Survey of Approximately 180 Acres, Prince William County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to D.R. Horton, Inc., Fairfax, Virginia.

2004 *Phase I Archaeological Survey of Approximately Two Acres, Yorktown, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to C. A. Barrs, Yorktown, Virginia.

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2004 *Phase I Archaeological Survey of 8.2 Acres for the Proposed Birmingham Green Assisted Living Facility, Manassas, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to DSC Advisory Services, LLC, Chesapeake, Virginia.

2004 *Phase I Cultural Resources Survey of Four Permit Areas at the Edgewater, Section 3, Development, Chesterfield County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Timmons Group, Richmond, Virginia.

2004 *Phase II Archaeological Evaluation of Sites 44SX259, 44SX270, and 44SX328, Sussex County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Iluka Resources, Inc., Stony Creek, Virginia.

2004 *Phase I Cultural Resources Survey of Permit Areas, Kingsland Glen, Chesterfield County, Virginia* (co-authored with Matthew R. Laird). James River Institute for Archaeology, Inc. Submitted to Barthol Design Associates, Richmond, Virginia.

2004 *Phase I Survey of Rippon Lodge*. James River Institute for Archaeology, Inc. Submitted to D.R. Horton, Fairfax, Virginia.

2005 *Phase II Evaluations of 22 Sites at the GreenMount Tract*. James River Institute for Archaeology, Inc.

2005 *Phase III Excavations at two sites at the GreenMount Tract*. James River Institute for Archaeology, Inc.

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2005 *Phase I Survey of the Sherman Property*. James River Institute for Archaeology, Inc. Submitted to Michael Brown, Williamsburg, Virginia.

2006 *Phase I Archaeological Survey at Quality Way, Southpoint Industrial Park, Prince George County, Virginia* (co-authored with Nancy Phaup and Martha McCartney. Circa~. Submitted to Southpoint Industrial Park, Prince George County, Virginia.

2006 *Phase I Archaeological Survey at Warburton Tract, James City County, Virginia* (co-authored with Nancy Phaup and Martha McCartney. Circa~. Submitted to Ford's Colony, Williamsburg, Virginia.

2006 *Phase I Excavations for the James City County Trail, Warhill Sports Complex, James City County, Virginia* (co-authored with Nancy Phaup and Martha McCartney. Circa~. Submitted to James City County, Virginia.

2006 *Phase I Survey of the Approximately 10-acre BI Chemical Plant, Prince George County, Virginia* (co-authored with Nancy Phaup and Martha McCartney. Circa~. Submitted to Malcolm-Pirnie, Newport News, Virginia.

2006 *Phase I Survey of the Former Hood Property, Henrico County, Virginia* (co-authored with Nancy Phaup and Martha McCartney). Circa~. Submitted to Timmons Group, Inc., Chesterfield, Virginia.

2006 *Phase I Survey of the Henrico County East Middle School Access Road, Henrico County, Virginia*. (co-authored with Nancy Phaup and Martha McCartney. Circa~. Submitted to Timmons Group, Inc., Chesterfield, Virginia.

2006 *Phase I Survey of the Access Road for Matoaca Park, Chesterfield County, Virginia* (co-authored with Nancy Phaup and Martha McCartney). Circa~. Submitted to Timmons Group, Inc., Chesterfield, Virginia.

2006 *Phase I Survey of the Realignment of Water Country Way, York County, Virginia* (co-authored with Nancy Phaup and Martha McCartney). Circa~. Submitted to Busch Properties, Inc., Williamsburg, Virginia.

2007 *Cemetery Boundary Delineation of Site 089-5193 and 089-5202 Wilbourn property Stafford County Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to the Anderson Company, LLC. Manassas, Virginia.

2007 *Current Condition Assessment Brewers Neck Boulevard Isle of Wight County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Current Condition Assessment Caeli Farm Loudon County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Current Condition Assessment Greenville Megasite Greenville County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to Timmons Group, Inc., Chesterfield, Virginia.

2007 *Current Condition Assessment Gresham Property City of Richmond, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to Timmons Group, Inc., Chesterfield, Virginia.

2007 *Current Condition Assessment McCale Property York County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to Vanasse Hangen Brustlin, Williamsburg, Virginia.

2007 *Current Condition Assessment O'Connor Tract Loudon County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Current Condition Assessment Chester Site Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to Vanasse Hangen Brustlin, Williamsburg, Virginia.

2007 *Hancock Village Management Summary, Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Phase I Archaeological Survey of 120 Acres at Jolly Pond Road James City County, Virginia* (co-authored

with Aaron Levinthal and Dawn Frost, Circa~). Submitted to James City County, Virginia.

2007 *Phase I Archaeological Survey for Approximately 6 Acres Stonehouse Development James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Phase I Archaeological Survey for Approximately 140 Acres at the Proposed Rose Hill Tract, York County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to York County, Virginia.

2007 *Phase I Archaeological Survey of Albemarle River Subdivision Lots 16-21, Chesapeake, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Phase I Archaeological Survey of Approximately 415 Acres of the Turner Tract, Southampton County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Phase I Archaeological Survey of Approximately One Acre at the Grove Christian Center Property James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to Grove Christian Center, James City County, Virginia.

2007 *Phase I Archaeological Survey of DSCR Road Alignment Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Phase I Archaeological Survey of the Proposed Lakeridge Parkway Extension Section 2 Hanover County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Phase I Archaeological Survey of the Park Valley Church Property Prince William County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Phase I Archaeological Survey of Three Trails Meadowood Special Recreation Management Area, Fairfax County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Phase I Archaeological Survey of the Wilbourn Property Stafford County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to the Anderson Company, LLC, Manassas Virginia.

2007 *Phase I Architectural Reconnaissance Survey of a 350-Acre Tract Associated with the Proposed Three Flags Development, Culpeper, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to Angler Environmental.

2007 *Phase I Cultural Resources Survey of Golf Course Areas Holes 13-18 and Development Areas F and G at Magnolia Green, Chesterfield County, Virginia* (co-

authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to Timmons Group, Inc., Chesterfield, Virginia.

2007 *Phase I Cultural Resources Survey for Mill Creek Drive, Southampton County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to Timmons Group, Inc., Chesterfield, Virginia.

2007 *Phase I Cultural Resources Survey of Road Right-of-Way Magnolia Green Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to Timmons Group, Inc., Chesterfield, Virginia.

2007 *Phase I Cultural Resources Survey of the Georgia-Pacific Site Property Town of South Boston, Vicinity, Halifax County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Phase I Cultural Resources Survey of the Lower Opossum Creek Wastewater Improvements, Hanover County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Phase I Location Survey of Features Associated with Site 020-5350 Midlothian District of the Richmond Coal Basin: The Henry Jones Tract Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to Timmons Group, Inc., Chesterfield, Virginia.

2007 *Phase II Archaeological Survey of Sites 44JC1173 and 44JC1174 James City County School Site at Jolly Pond, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to AES, Inc., Williamsburg, Virginia.

2007 *Phase II Archaeological Survey of Site 44CF0596 Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~). Submitted to Timmons Group, Inc., Chesterfield, Virginia.

2007 *Villages of Gloucester Management Summary, Gloucester, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Management Summary Totopotomoy Creek Wastewater Improvements, Hanover County, Virginia* (co-authored with Dawn Frost, Circa~).

2007 *Phase I Architectural Survey of the Tenaska Tract (Buschman Farm) Buckingham County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Phase II Evaluation of Site 44BK0331 Buckingham County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Phase I Cultural Resources Survey of the 14-Acre Walnut Tree Farm Prince William County, Virginia*

(co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2007 *Phase I Architectural Survey of Littlefields, Westmoreland County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Current Conditions Assessment Dinwiddie Commerce Park, Dinwiddie County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Current Conditions Assessment at Magnolia Green, Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase II Architectural Survey of Timberneck and Catlett Island, Gloucester County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase II Evaluation of Site 44JC845, Moss Creek Development, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Archaeological Excavations of 44JC77, The Stonehouse Site, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase II Archaeological Evaluation for Site 44JC427, Stonehouse Tract, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase II Evaluation of Site 44JC837/047-0046, Stonehouse Tract, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Current Conditions Assessment, Thibault Tract, Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Archaeological Survey of a Proposed Utility Line for the School Sites at Jolly Pond Road, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Current Conditions Assessment, Allegheny Master Plan, Allegheny County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Current Conditions Assessment, Crosspointe Centre, Prince George County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Historical Assessment for Indian Creek Dredging Project, City of Hampton, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase IA Cultural Resources Survey, St. Olaf's Church, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Current Conditions Assessment, Proposed Industrial Access Road Corridor, Crosspointe Centre, Prince George County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Archaeological Survey of 42 Acres at Magnolia Green, Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Cultural Resources Survey of the Smith River Sports Complex Access Road, Henry County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Current Conditions Assessment Roma and Sharpe Tracts, Henry County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase II Archaeological Evaluation for Site 44JC412 Stonehouse Tract, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Proposed Partial Data Recovery Plan for Site 44JC845 at Moss Creek Development, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Architectural Survey of the Greenville Megasite, Greenville County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Proposed Partial Data Recovery Plan for Site 44CF684 at Magnolia Green, Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Archaeological Survey of Timberneck at Catlett Island, Gloucester County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Additional Phase III Archaeological Evaluations at Site 44JC1113 The Colonies, James City County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Management Summary Beaufont Spring, Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Cultural Resources Survey of Permit Areas Within the Bottoms Bridge Tract, New Kent County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Cultural Resources Survey of the Stoup Property, Isle of Wight County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Cultural Resources Survey of Christ United Methodist Church Property, Fairfax County,*

Virginia (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase II Archaeological Evaluation of Sites 44CF0697, 44CF0700, and 44CF0701 at Magnolia Green, Chesterfield County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Archaeological Survey of Littlefields, Westmoreland County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase II Evaluation of Site 44BK0329, Buckingham County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Cultural Resources Survey of Middle Peninsula Environmental Bank, Gloucester County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Cultural Resources Survey of Fluvanna High School Site, Fluvanna County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Cultural Resources Survey of proposed Science and Technology Building Tract on the Richard Bland College Campus, Dinwiddie County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase IA Cultural Resources Survey of Wildwood Estates Property, Loudon County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase II Archaeological Survey of Five Sites and a Cemetery Delineation, Turner Tract, Southampton County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2008 *Phase I Archaeological Survey of the Chicken Coop Trail, Meadowood Special Recreation Management Area, Fairfax County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Phase I Cultural Resources Survey of Terrascape Design and Build Company Inc., at 16127 John Marshall Highway, Prince William County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Current Condition Assessment, Towers Tract, Goochland County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Current Condition Assessment, Wilderness North Tract, Orange County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Phase II Archaeological Evaluation of 44GL0450 at Middle Peninsula Environmental Bank, Gloucester County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Phase I Cultural Resources Survey of Faith Church Property, Henrico County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Current Condition Assessment of the 8.8-Acre Bull Property Tract, Isle of Wight County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Phase I Architectural Survey of the Roma Tract, Henry County, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Phase I Architectural Survey of Seven Housing Areas, Norfolk Redevelopment and Housing Authority, City of Norfolk, Virginia* (co-authored with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Current Condition Assessment Deep Creek and Jones and Gilligan Creeks Craney Island Expansion Project Mitigation Sites, City of Chesapeake, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Archaeological Excavations at the Roma Tract Payne Cemetery Site 044-5184 Henry County, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Cemetery Delineation at Catlett Island Gloucester, County, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Phase II Archaeological Evaluation of Site 44NN60, Newport News, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Phase I Cultural Resources Survey of the College Triangle Retail Property, City of Williamsburg, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Phase I Archaeological Survey of Airport Gateway Land Bay A, Prince William County, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Phase I Archaeological Survey of Proposed Utility Replacement Corridor on the Richard Bland College Campus, Dinwiddie and Prince George Counties, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Phase I Archaeological Survey of Coleman Crossing, Gloucester Counties, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Current Conditions Assessment Rotterdam Property Craney Island Expansion Project Mitigation Sites, City of Chesapeake, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Phase II Architectural Survey of Master Craftsmen Jewelry Building College Triangle Retail Property, City of Williamsburg, Virginia* (with Dawn Frost, Circa~).

2009 *Cultural Resources Survey of 755 Scotland Street City of Williamsburg, Virginia* (with Aaron Levinthal, Amy Humphries, and Dawn Frost, Circa~).

2009 *Phase I Archaeological Survey of Approximately 30 Acres Liberty Landing Property, New Kent County, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Phase I Archaeological Survey of the Cape Henry Inn Tract Fort Story, City of Virginia Beach, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Management Summary, 3410 Goodwin Neck Road, York County, Virginia* (with Dawn Frost, Circa~).

2009 *Phase I Cultural Resources Survey of Quaker Steak and Lube Property, Prince William County, Virginia* (with Dawn Frost, Circa~).

2009 *Phase II Archaeological Survey of Sites 44YO1074 and 44YO1075 Hampton Roads Sanitation District York River Treatment Plant Expansion, York County, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Archaeological Excavations at the Greenhow Cemetery Site 089-5202, Stafford County, Virginia* (with Aaron Levinthal, Amy Humphries, and Dawn Frost, Circa~).

2009 *Phase I Cultural Resources Survey of the Sharpe Tract, Henry County, Virginia* (with Amy Humphries and Dawn Frost, Circa~).

2009 *Phase I Cultural resources Survey of Colonial Heights Baptist Church Property, Chesterfield County, Virginia* (with Amy Humphries and Dawn Frost, Circa~).

2009 *Phase I Archaeological Survey of Approximately One Acre at the Grove Christian Center Property, James City County, Virginia* (with Amy Humphries and Dawn Frost, Circa~).

2009 *Phase II Architectural Survey of the Watkins House, Henry County, Virginia* (with Dawn Frost, Circa~).

2009 *Phase I Cultural Resources Survey of the South Norfolk Jordan Bridge Project, Chesapeake and Portsmouth, Virginia* (with Aaron Levinthal and Dawn Frost, Circa~).

2009 *Phase II Architectural Survey Atlantic Wood Industries, Inc. Property, VDHR Site #124-5132, City of Portsmouth, Virginia* (with Dawn Frost, Circa~).

2010 *Current Conditions Assessment Windsor Road Property, Orange County, Virginia* (with Dawn Frost, Circa~).

2010 *Henricus State Park Riverbank Stabilization Project Management Summary, Chesterfield County, Virginia* (with Dawn Frost, Circa~).

2010 *Phase I Archaeological Survey of the 10-Acre Williamsburg James City County Schools Operations Center Expansion, James City County, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Phase I Archaeological Survey of 10 Trails Meadowood Special Recreation Management Area, Fairfax County, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Phase I Cultural Resources Survey of Deep Creek Ball Park Property, City of Chesapeake, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Current Conditions Assessment of the Approximately 350-Acre Dupont-Fabros Development Tract, Loudoun County, Virginia* (with Dawn Frost, Circa~).

2010 *Phase I Cultural Resources Survey of BiCounty Way Property, New Kent County, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Phase I Cultural Resources Survey of Mount Zion Baptist Church, Price William County, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Phase I Cultural Resources Survey of Stafford Commerce Center, Stafford County, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Phase I Cultural Resources Survey of Meherrin River Regional Jail Site, Brunswick County, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Phase I Cultural Resources Survey of Commonwealth Crossing Business Centre Water and Sewer Lines, Henry County, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 *Wynwood Property Management Summary, Chesterfield County, Virginia* (with Dawn Frost, Circa~).

2010 *Winterfield Commercial Park Viewshed Analysis, Powhatan County, Virginia* (with Dawn Frost, Circa~).

2010 *College Triangle Retail Project – The College of William and Mary Management Summary, City of Williamsburg, Virginia* (with Dawn Frost, Circa~).

2010 *Darby Road Parcels Management Summary, York County, Virginia* (with Dawn Frost, Circa~).

2010 *Phase I Cultural Resources Survey of Bryan's Landing Subdivision, City of Chesapeake, Virginia* (with Dawn Frost and Amy Humphries, Circa~).

2010 Phase I Cultural Resources Survey of Greenhaven at Murray Drive Drainage Easement Acquisition from U.S. Navy, City of Chesapeake, Virginia (with Dawn Frost Circa~).

2010 Phase I Cultural Resources Survey of Pole Green Road and Rural Point Road Intersection Improvements, Hanover County, Virginia (with Dawn Frost Circa~).

2010 Phase I Cultural Resources Survey of Pole Green Road and Walnut Grove Road Intersection Improvements, Hanover County, Virginia (with Dawn Frost Circa~).

2010 Lee Hall Reservoir Management Summary, City of Newport News, Virginia (with Dawn Frost, Circa~).

2010 Phase I Cultural Resources Survey of the Approximately 350-Acre Dupont-Fabros Development Tract, Loudoun County, Virginia (with Amy Humphries and Dawn Frost Circa~).

2010 Phase IA Cultural Resources Assessment, Forest Heights and Neighbors Drive, James City County, Virginia (with Dawn Frost Circa~).

2011 Phase I Cultural Resources Survey of Nansemond River Estates property, City of Suffolk, Virginia (with Dawn Frost and Amy Humphries Circa~).

2011 Disturbance Assessment West Creek Medical Center, Goochland County, Virginia (with Dawn Frost Circa~).

2011 Phase I Cultural Resources Survey of Lowes Tract and Extension of Russell Branch Parkway, Loudoun County, Virginia (with Dawn Frost Circa~).

2011 Phase I Cultural Resources Survey of Foxfield Tract, Chesterfield County, Virginia (with Dawn Frost and Amy Humphries Circa~).

2011 Phase I Cultural Resources Survey of Brasfield Commons Tract, City of Petersburg, Virginia (with Dawn Frost and Amy Humphries Circa~).

2011 Phase I Cultural Resources Survey of Courthouse at Marketplace Property, Chesterfield County, Virginia (with Dawn Frost and Amy Humphries Circa~).

2011 Phase I Cultural Resources Survey of Sports Quest Tract Phase I, Chesterfield County, Virginia (with Dawn Frost and Amy Humphries Circa~).

2011 Phase I Cultural Resources Survey of West Creek Medical Center Shared Entrance Road Right-of-Way and Utility Right-of-Ways, Goochland County, Virginia (with Dawn Frost and Amy Humphries Circa~).

2011 Current Conditions Assessment of Stonebridge Property, Chesterfield County, Virginia (with Dawn Frost Circa~).

2011 Treatment Plan for Site 44GO0370 West Creek Emergency Center Tract, Goochland County, Virginia (with Dawn Frost and Amy Humphries Circa~).

2011 Management Summary 3190 Riverside Drive, Henry County, Virginia (with Dawn Frost Circa~).

2011 Current Conditions Assessment of Haymarket Tract, Prince William County, Virginia (with Dawn Frost Circa~).

2011 Current Conditions Assessment of J. Sergeant Reynolds Community College Tract, Henrico County, Virginia (with Dawn Frost Circa~).

2011 Phase I Cultural Resources Survey of George Mason University Life Sciences Building Parking Lot, Prince William County, Virginia (with Dawn Frost and Amy Humphries Circa~).

2011 Phase I Cultural Resources Survey of George Mason University Housing and Retail Building, Prince William County, Virginia (with Dawn Frost and Amy Humphries Circa~).

2011 Addendum to Phase I Cultural Resources Survey of Pole Green Road and Rural Point Road Intersection Improvements, Hanover County, Virginia (with Dawn Frost and Amy Humphries Circa~).

2011 Current Conditions Assessment of the Stafford County High School Property, Stafford County, Virginia (with Dawn Frost, Circa~).

2011 Current Conditions Assessment of the Mecklenburg Jail Site, Mecklenburg County, Virginia (with Dawn Frost, Circa~).

2011 Phase I Cultural Resources Survey of the Marine Animal Care Facility Tract, City of Virginia Beach, Virginia (with Dawn Frost and Amy Humphries, Circa~).

2011 Management Summary Dominion Virginia Power, Remington Site, Fauquier County, Virginia (with Dawn Frost, Circa~).

2011 Management Summary Dominion Virginia Power, Brunswick Site, County, Brunswick Virginia (with Dawn Frost, Circa~).

2011 Management Summary Dominion Virginia Power, Chesterfield Site, Chesterfield County, Virginia (with Dawn Frost, Circa~).

2011 Partial Phase III Archaeological Data Recovery of Site 44CF0684 at Magnolia Green, Chesterfield County, Virginia (with Dawn Frost and Amy Humphries, Circa~).

2011 Phase II Archaeological Evaluations and Boundary Determination of Site 44GO0370 at West Creek

Emergency Center Tract, Goochland County, Virginia (with Dawn Frost, Circa~).

2011 Phase I Cultural Resources Survey of Varina Stream Mitigation Bank, Henrico County, Virginia (with Dawn Frost, Circa~).

2011 Addendum to Current Conditions Assessment, Dinwiddie Commerce Park, Dinwiddie County, Virginia (with Dawn Frost, Circa~).

2011 Proposed Data Recovery Plan for Site 44CF0594 at the DeSear Farmstead Site, Chesterfield County, Virginia (with Dawn Frost, Circa~).

2011 Phase I Cultural Resources Survey of Dominion Virginia Power Brunswick Site, Brunswick County, Virginia (with Dawn Frost, Circa~).

2011 Current Conditions Assessment of the Stafford County Elementary School Property, Stafford County, Virginia (with Dawn Frost and Amy Humphries, Circa~).

2011 Phase I Cultural Resources Survey of Washington Ridge, York County, Virginia (with Dawn Frost, Circa~).

2011 Phase I Architectural Survey of Mainline Norfolk-Southern Railroad Project Area, City of Petersburg, Virginia (with Dawn Frost, Circa~).

2011 Phase I Architectural Survey of Mainline Norfolk and Western Railroad Project Area, City of Chesapeake, Virginia (with Dawn Frost, Circa~).

2012 Addendum to Phase I Archaeological Survey of the Proposed Meadowville Parkway, Chesterfield County, Virginia (with Dawn Frost, Circa~).

2012 Addendum to Phase I Cultural Resources Survey of Pole Green Road and Walnut Grove Road Intersection Improvements, Hanover County, Virginia (with Dawn Frost, Circa~).

2012 Management Summary, Dominion Virginia Power Chesterfield Tract Utility Corridor, Chesterfield County, Virginia (with Dawn Frost, Circa~).

2012 Management Summary, Village of Holland Water Supply, City of Suffolk, Virginia (with Dawn Frost, Circa~).

2012 Phase I Architectural Survey of Mainline Norfolk-Southern Railroad Project Area, City of Chesapeake, Virginia (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of Atlee Road Extended, Hanover County, Virginia (with Dawn Frost, Circa~).

2012 Phase III Archaeological Excavations at Site 44JC1018, the Liguria Tract, James City County, Virginia (with Dawn Frost and Amy Humphries, Circa~).

2012 Management Summary, The Midlothian Mines within the Midlothian District of the Richmond Coal Basin, Chesterfield County, Virginia (with Dawn Frost, Circa~).

2012 Management Summary, For Site 44GO0370 West Creek Emergency Center Tract, Goochland County, Virginia (with Dawn Frost, Circa~).

2012 Management Summary, Roanoke Cement Company, Botetourt County, Virginia (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of the Stafford County Chinchester Park Property, Stafford County, Virginia (with Dawn Frost, Circa~).

2012 Current Conditions Assessment Virginia State University Gateway II Residence Hall Student Housing Project, City of Petersburg, Virginia (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of Swift Island Property, Buckingham County, Virginia (with Dawn Frost, Circa~).

2012 Orchard Bridge Commercial Tract Management Summary, Prince William County, Virginia (with Dawn Frost, Circa~).

2012 Phase II Archaeological Excavations at Sites 44CF0592 and 44CF0593, Chesterfield County, Virginia (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of East Point Estates Tract, Currituck County, North Carolina (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of the Upper Susquehanna River Mitigation Bank, Potter County, Pennsylvania (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of Roanoke Cement Company Quarry Expansion and Stream Compensation Sites, Botetourt County, Virginia (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of Willis Farm Tract, City of Suffolk, Virginia (with Dawn Frost, Circa~).

2012 Phase I Cultural Resources Survey of Orchard Bridge Tract, Prince William County, Virginia (with Dawn Frost, Circa~).

2012 Current Conditions Assessment of Dual Rail Tract, Dinwiddie County, Virginia (with Dawn Frost, Circa~).

2012 *Phase I Cultural Resources Survey of the Deer Run Golf Course, City of Newport News, Virginia* (with Dawn Frost, Circa~).

2012 *Phase I Cultural Resources Survey of Capital One Meadowville Data Center Property, Chesterfield County, Virginia* (with Dawn Frost, Circa~).

2012 *Current Conditions Assessment of the Brambleton-Layng Property, Loudoun County, Virginia* (with Dawn Frost, Circa~).

2012 *Current Conditions Assessment of the Peebles Tract, Sussex County, Virginia* (with Dawn Frost, Circa~).

2012 *Phase I Cultural Resources Survey of the Capital Bike Trail Realignment, Turkey Creek, Dominion Line, and Kimages Creek Project Areas, Charles City County, Virginia* (with Dawn Frost, Circa~).

2012 *Phase I Cultural Resources Survey of Greensville Megasite, Greensville County, Virginia* (with Dawn Frost, Circa~).

2012 *Phase I Cultural Resources Survey of Brambleton, Cornelius I Property, Loudoun County, Virginia* (with Dawn Frost, Circa~).

2012 *Phase I Cultural Resources Survey of Brambleton, Cornelius II Property, Loudoun County, Virginia* (with Dawn Frost, Circa~).

2012 *Phase I Cultural Resources Survey of Brambleton, Guth Property, Loudoun County, Virginia* (with Dawn Frost, Circa~).

2012 *Phase I Cultural Resources Survey of Brambleton, Mack Smith Property, Loudoun County, Virginia* (with Dawn Frost, Circa~).

2012 *Phase I Cultural Resources Survey of Compton Berry Tract, Fairfax County, Virginia* (with Dawn Frost, Circa~).

2012 *Current Conditions Assessment of the Brambleton-Hallinan Property, Loudoun County, Virginia* (with Dawn Frost, Circa~).

2012 *Current Conditions Assessment, Philip Morris Site, City of Richmond, Virginia* (with Dawn Muir-Frost, Circa~).

2012 *Management Summary, Brunswick County Site, Brunswick County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, Busch Property Tract, York County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary Specht Mitigation Site, Potter and Tioga Counties, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2013 *Addendum to Phase I Cultural Resources Survey of the Capital Bike Trail Realignments Curles Neck Road, Shirley Carter Property, and Shirley Plantation Entrance Realignments, Charles City and Henrico Counties, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase I Cultural Resources Survey of Burbage Drive Extended, City of Suffolk, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, Virginia Natural Gas Pipeline Corridor, Hanover County to City of Newport News, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase I Cultural Resources Survey of 7250 Idylwood Road, Fairfax County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase I Cultural Resources Survey of Lee Hall Dam Improvement Project, City of Newport News, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase I Cultural Resources Survey of Colonial Heritage Deer Lake Tract, James City County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, Oakenwold Tract, Stafford County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase III Archaeological Evaluations at Site 44GO0370, West Creek Emergency Center Tract, Goochland County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, Cussawego Creek Mitigation Bank, Crawford County, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, Longpoint Tract, Prince William County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, PRM Project, Marshall County, West Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, 330 Charles Street, City of Newport News, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, Conneauttee Creek Mitigation Bank, Crawford County, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, Pigeon Creek Mitigation Bank, Washington County, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, North Branch Pigeon Creek Mitigation Bank, Washington County, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, Tenmile Creek Mitigation Bank, Washington County, Pennsylvania* (with Dawn Muir-Frost, Circa~)

2013 *Management Summary, Pike Run Mitigation Bank, Washington County, Pennsylvania* (with Dawn Muir-Frost, Circa~)

2013 *Management Summary, Wilson Property, James City County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *Management Summary, Laurel Hill Creek Mitigation Bank, Somerset County, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, Cross Creek Mitigation Bank, Washington County, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2013 *Addendum to Phase I Cultural Resources Survey of the Varina Phase of the Virginia Capital Bike Trail Henrico and Charles City Counties, Virginia, A Cultural Resources Survey of the Northern Alignment of the Varina Phase of the Virginia Capital Bike Trail, Henrico and Charles City Counties, Virginia, and A Cultural Resources Survey of the New Market Heights Phase of the Virginia Capital Bike Trail, Henrico and Charles City Counties, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Current Conditions Assessment, House 1414 Ohio Street, City of Chesapeake, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase I Cultural Resources Survey of 5636 Guinea Road, Fairfax County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase I Cultural Resources Survey of Longpoint Tract, Prince William County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, Simpson Road Tract, Dinwiddie County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, White Marsh Property, Surry County, Virginia* (with Dawn Muir-Frost, Circa~)

2013 *A Supplemental Cultural Resources Survey of the New Market Heights Phase of the Virginia Capital Trail, Henrico and Charles City Counties, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase I Architectural Survey of CSXT Bridge over Appomattox River, City of Hopewell, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase II Archaeological Excavations of Site 44JC1319 at Colonial Heritage Deer Lake Tract, James City County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Addendum to Phase I Archaeological Survey of the Proposed Meadowville Parkway Wetland Bridge Crossing, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase I Cultural Resources Survey of Oakenwold Tract, Stafford County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase I Cultural Resources Survey of Burgesses Quarter, York County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Archaeological Excavations at the Moore Family Cemetery, Site 134-0057, City of Virginia Beach, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase I Cultural Resources Survey of North Branch Pigeon Creek Mitigation Bank, Washington County, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2013 *Phase I Cultural Resources Survey of Conneauttee Creek Mitigation Bank, Crawford County, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, Rappahannock Cliffs, Essex County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase I Cultural Resources Survey of Seely Creek Mitigation Bank, Bradford County, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2013 *Proposed Data Recovery Plan for Site 44LD0679 at the Brambleton Tract, Loudoun County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Proposed Data Recovery Plan for Site 44LD0680 at the Brambleton Tract, Loudoun County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase I Cultural Resources Survey of the Buck Property, Loudoun County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase III Archaeological Evaluations at Site 44CF0594 and Phase II Evaluation of Site 44CF0595, The DeSear Farmstead Site, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *A Supplemental Cultural Resources Survey of the Varina Phase of the Virginia Capital Trail, Henrico and Charles City Counties, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Management Summary, 4153 Dam Neck Road, City of Virginia Beach, Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Archaeological Excavations at the Stonebridge Site Cemetery, Site 44CF0769/020-5574, Chesterfield County Virginia* (with Dawn Muir-Frost, Circa~).

2013 *Phase I Cultural Resources Survey of the Appomattox River Greenway Trail, City of Colonial Heights, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Partial Phase III Archaeological Evaluation at Site 44JC0845, Moss Creek Development, James City County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Management Summary, Pleasure House Point Property, City of Virginia Beach, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of Fisher Cove, City of Chesapeake, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Virginia Natural Gas Zinc-Ribbon Installation Project Management Summary, Cities of Newport News, Hampton, Portsmouth, and Norfolk, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Management Summary, Hartle Tract, Prince William County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Archaeological Survey of Site 44YO0337, Battlefield Bluffs Property, York County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Management Summary, New Holland Water Transmission Main, City of Suffolk, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Current Conditions Assessment, Project Twister – Keck Site, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Archaeological Excavations of Site 44HE0673, Redskins Training Facility, City of Richmond, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase III Archaeological Excavations at Site 44PW1832, Prince William County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of the Compton Road Tract, Prince William County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Standing Structures Architectural Summary, Battlefield Bluffs tract, York County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Archaeological Investigations at Point of Rocks Park, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of Project Twister-Keck Site, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Current Condition Assessment, Sussex Megasite, Sussex County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Management Summary, Holloway Tract, Henrico County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of Speakes Subdivision, Prince William County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Architectural Survey of City Garage, City of Petersburg, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Addendum to Phase I Cultural Resources Survey of Brambleton Cornelius I Property, Loudoun County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Current Conditions Assessment, Building 17, the Canteen, Hampton Veterans Affairs Medical Center, City of Hampton, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Mitigation Summary, South Norfolk Historic District, City of Chesapeake, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Management Summary, Hazelwood Tract, James City County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Addendum to Cayden Ridge Phase I Archaeological Investigations, Prince William County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Addendum to A Cultural Resources Survey of the Varina Park Phase of the Virginia Capital Bike Trail, Henrico County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of Baptist Run Mitigation Site, York County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of Busch Property, York County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of Cross Creek Mitigation Site, Washington County, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of Princess Anne Road, City of Virginia Beach, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Additional Site and Survey Information Conneauttee Creek Mitigation Site, Crawford County, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of Furnace Estates Subdivision, Stafford County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of Elbow Road Property, City of Chesapeake, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of Kingsland Green Subdivision, Henrico County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Supplemental Archaeological Testing of Proposed Drainage Pipe Installation Within Site 44HE1163, Varina Park Phase, Virginia Capital Trail, Henrico County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of Pleasure House Point Property, City of Virginia Beach, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Management Summary, Kirby Tract Within the Greenmount Industrial Park, James City County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of New River Valley Commerce Park, Pulaski County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of Lynchburg Expressway, City of Lynchburg, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of Patrick Henry Connector Drive, City of Newport News, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Phase I Cultural Resources Survey of Widewater State Park Property, Stafford County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Addendum to Phase I Cultural Resources Survey of Kingsland Green Subdivision, Henrico County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Management Summary, Project Cavalier, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~).

2014 *Data Recovery Plan for Site 44CF0701 at Magnolia Green, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Treatment Plan for Mosley Cemetery Site 44NC0920/058-5128, Mecklenburg County, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Phase I Architectural Survey of Mason Street Parking Deck, City of Harrisonburg, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Line VM-131 Pipe Replacement, City of Chesapeake, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Line VM-129 Pipe Relocation Southampton County, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Phase II Architectural Survey of the Sandbridge Texaco Station, City of Virginia Beach, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Supplemental Cultural Resources Survey, Access Road Alignment of the Varina Park Phase, Virginia Capital Trail* (with Dawn Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of the Smith Island Martin National Wildlife Refuge, Hurricane Sandy Resiliency Project #31, Fog Point Living Shoreline Restoration, Somerset County, Maryland* (with Dawn Muir-Frost, Circa~).

2015 *Phase II Survey of Midlothian Mines Within the Midlothian District of the Richmond Coal Basin, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Jessup Road, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Current Conditions Assessment Dominion Virginia Power Remington Site, Fauquier County, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Virginia Truck Tract, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Current Conditions Assessment, Meadowville Technology Park Project Niagra, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Current Conditions Assessment, Granville Estates, Stafford County, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Management Summary, Hibred Easement, Lancaster County, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2015 *Management Summary, Campbell-Briar Creek Mitigation Site, Columbia County, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2015 *Management Summary, Chippewa and Saddle Easement, Bradford County, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2015 *Management Summary, Brewster Lake Potential Mitigation Site, Susquehanna County, Pennsylvania* (with Dawn Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of the Sliding Hill Road Widening Project, Hanover County, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of 55 Acres at Meadowville, Project Niagra Site, Chesterfield County, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Management Summary, Monterey Cemetery, Highland County, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of the Promenade at John Tyler Property, James City County, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Phase II Architectural Survey of Buildings 6, 107, and 124, Hampton Veterans Affairs Medical Center, City of Hampton, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Phase III Archaeological Excavations at the Turner Tract Cemetery, Site 44SN0286, Southampton County, Virginia* (with Dawn Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Courthouse Manor Property, Stafford County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Management Summary, Dinwiddie Airport, Dinwiddie County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase I Archaeological Survey of LeGordon Drive Sidewalk Improvements, Chesterfield County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Matoaca and Hickory Road Intersection Improvement Project, Chesterfield County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Management Summary Robinson Fork 2 Mitigation Site, Washington County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~).

2015 *Management Summary Chesapeake Holdings Property, Stafford County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Management Summary Back Bay National Wildlife Refuge Visitors Center and Horn Point Shoreline Restoration Areas, City of Virginia Beach, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Lines VM-114, VM-115, and VM-116 Columbia Gas Pipeline,*

Chesterfield County, Virginia (with Dawn M. Muir-Frost, Circa~).

2015 *Phase II Architectural Survey of 5636 Guinea Road, Fairfax County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Tucker's Cove Tract, Currituck County, North Carolina* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Riverview at the Preserve, City of Chesapeake, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Management Summary, Henry County School Site, Henry County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Robinson Fork Mitigation Site, Washington County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~).

2015 *Management Summary, Norwood Site, Greensville County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Buck Run Restoration Site Project, Washington County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Virginia Dominion Power, Remington Site, Fauquier County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase II Evaluation of Site 44ST1205 at Courthouse Manor Property, Stafford County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Fieldstone Property, City of Chesapeake, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Sandbridge Road Phase VIIA Improvements, City of Virginia Beach, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Starrucca Creek Mitigation Site Project, Susquehanna and Wayne Counties, Pennsylvania* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey Back Bay National Wildlife Refuge Alternative Transportation Study Sigma Trail Corridor, City of Virginia Beach, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of the 33-Acre EAH Tract, York County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Archaeological Excavations at the Mosley Cemetery Site 44MC0920/058-5128, Mecklenburg County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of the 52-Acre Bush Hill Property, Loudoun County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2015 *Phase I Cultural Resources Survey of Beaverdam Creek Dam Rehabilitation Project, Loudoun County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase II Archaeological Excavations of Site 44PW1941 at Cayden Ridge, Prince William County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Management Summary Route 460 Utility Corridor, City of Suffolk, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Management Summary Firestone Property, Buckingham County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase I Cultural Resources Survey of the Rhodes Point Erosion Control Project, Somerset County, Maryland* (with Dawn M. Muir-Frost, Circa~).

2016 *Proposed Data Recovery Plan of Site 44PW1941 at Cayden Ridge, Prince William County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase I Cultural Resources Survey of the Bethlehem Road Property, Prince William County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase I Archaeological Survey of the Bamboo Removal Site at Colonial National Historical Park, York County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase I Archaeological Survey of Shore Drive Property, City of Virginia Beach, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase I Cultural Resources Survey of Eastview Farm Bank Site, Buckingham County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase I Cultural Resources Survey of the Williamsburg Indoor Sports Complex Indoor Pool Facility, James City County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase I Cultural Resources Survey of the Norwood Site, City of Emporia, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase I Cultural Resources Survey of Independence Boulevard Project, York County and the City of Newport News, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase I Cultural Resources Survey of Lackawaxen Creek Restoration project, Wayne County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase I Architectural Survey of Firestone Property, Buckingham County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Management Summary, Firestone Property, Buckingham County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase I Cultural Resources Survey of the Legacy of Poquoson Tract, City of Poquoson, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Management Summary Gilman and Walker Properties, New Kent County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Addendum to Phase I Cultural Resources Survey of Buck Run Restoration Site Property, Washington County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase I Architectural Survey of 389 Mountain View Road, Stafford County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Management Summary Sempeles Tract, Frederick County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Addendum to Phase I Cultural Resources Survey of Oakenwold Tract, Stafford County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Management Summary Swaterra Creek, Schuylkill County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~).

2016 *Management Summary Graystone Property, Frederick County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase I Architectural Survey of Providence Subdivision – Section 4, Hanover County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase I Cultural Resources Survey of Wet Wood Property, New Kent County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Phase I Architectural Survey of the Sappony Property, Sussex County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2016 *Addendum to Phase I Archaeological Survey of Approximately 113 Acres of the Former Hood Property, Henrico County, Virginia* (with Dawn M. Muir-Frost, Circa~).

- 2016 *Phase I Cultural Resources Survey of Minecraft Property, Dinwiddie County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Cultural Resources Survey of Two Road Crossings, Moore Point Property, City of Suffolk, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Archaeological Survey of Sappony Property, Sussex County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Architectural Survey of Gilman and Walker Property, New Kent County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Archaeological Survey of Gilman and Walker Property, New Kent County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Management Summary, Franklin Property, Southampton County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Management Summary, Ashwood Property, Prince William County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Cultural Resources Survey of Tritach Tract, Spotsylvania County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Addendum to Phase I Cultural Resources Survey of Virginia Dominion Power Remington Site, Fauquier County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Management Summary, The Briel Property, Henrico County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Cultural Resources Survey of Scott II Property, Powhatan County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase II Archaeological Excavations of Sites 44HE1041, 44HE1042, and 44HE1043 at the Former Hood Property, Henrico County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Cultural Resources Survey of Granville Property, Stafford County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Cultural Resources Survey of Mussetter Road, Frederick County, Maryland* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Cultural Resources Survey of the Calumet Property, Frederick County, Maryland* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Archaeological Survey of Meadow Lawn Farm, Rockbridge County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Cultural Resources Survey of 23108 Evergreen Mills Road Property, Loudoun County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Management Summary, Belcher Tract, Louisa County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Management Summary, Harrowgate Road Sidewalk Construction Project, Chesterfield County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Addendum to Phase I Cultural Resources Survey of Virginia Dominion Power Remington Site, Fauquier County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Cultural Resources Survey of Robious Road Sanitary Sewer Relocation, Chesterfield County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Cultural Resources Survey of Michael Drive Roadway Extension, City of Chesapeake, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Management Summary, Twain Property, Surry County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Management Summary, Lancaster Solar Farm, Lancaster County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Management Summary, Dinwiddie Solar Farm, Dinwiddie County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase II Archaeological Excavations of Site 44NK0292 at the Walker Tract, New Kent County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Cultural Resources Survey of Bryans Cove Property, City of Chesapeake, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Cultural Resources Survey of South Creek Restoration Site, Bradford County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Cultural Resources Survey of the Mid County Park and Estate Homes Property, Prince William County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Cultural Resources Survey of Swatara Creek Restoration Site, Schuylkill County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~).
- 2016 *Phase I Archaeological Survey of Eyre Hall Property, Northampton County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of Nansemond River Golf Course Property, City of Suffolk, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of Sampson Creek Property, City of Chesapeake County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Crystal Hill Property, Halifax County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Deb Allen Property, Halifax County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of Proposed Mezzo Apartment Homes Property, City of Virginia Beach, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of the Bailey Tract, Chesterfield County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Occoquan Project, Prince William County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Brandy Station Property, Culpeper County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Addendum to Phase I Cultural Resources Survey of Robinson Fork Mitigation Site, Washington County, Pennsylvania* (with Carol D. Tyrer, Circa~).

2017 *Addendum to Phase I Cultural Resources Survey of South Creek Restoration Site, Bradford County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Archaeological Survey of Hollyfield North Tract, King William County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Stevensburg Property, Culpeper, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Gardy Mill Property, Westmoreland County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey Scot Center Relocation, City of Newport News, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Spring Grove Tract, Surry County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Architectural Survey of the Belcher Tract, Louisa County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary and Archaeological Probability Analysis, Mount Jackson Property, Shenandoah County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Newtown Road, Hampton Roads Sanitation Department Utility Right-of-Way, City of Virginia Beach, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Western Section of Newtown Road, Hampton Roads Sanitation Department Utility Right-of-Way, City of Virginia Beach, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of Buck Run Restoration Site II, Washington County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~).

2017 *Addendum to Phase I Cultural Resources Survey of Pleasure House Point Property, City of Virginia Beach, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of American Legion Property, Gloucester County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of Fiddlers Green Property, Gloucester County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Ashland Trolley Management Summary, Hanover County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of Hogan Kent and Greene Tract, Loudoun County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of Pump Station No. 5 and Royal Glen Pump Station Sewer Corridor, Hanover County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Archaeological Survey of the Mechanicsville Solar Farm Tract, Hanover County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Architectural Survey of the Mechanicsville Solar Farm Tract, Hanover County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Architectural Survey of the Franklin County Property, Franklin County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Archaeological Survey of the Franklin County Property, Franklin County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary and Archaeological Probability Analyses, Colonial Trail West Property, Surry County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Architectural Survey of Turkey Run Farm, Chesterfield County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of Ashton Creek Pump Station New Force Main Property, Chesterfield County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Turner Solar Farm Management Summary, Henrico County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Architectural Survey of the Nokesville Solar Site, Prince William County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Archaeological Survey of the Nokesville Solar Site, Prince William County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Reservoir Tract, Louisa County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary and Archaeological Probability Analyses, Pamplin Solar Property, Appomattox County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary and Archaeological Probability Analyses, Carson Solar Property, Appomattox County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Chickahominy Power, Charles City County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Addendum to Phase I Cultural Resources Survey of Buck Run Restoration Site II, Washington County, Pennsylvania* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Pottery Tract West and East, James City County and York County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Chesapeake Solar Farm, City of Chesapeake, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of Johnson Creek Force Main Gravity Sewer and Water Line, Chesterfield County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Hickory Solar Farm, City of Chesapeake, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, 1090 German School Road, City of Richmond, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Sycamore Solar Farm, Pittsylvania County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Management Summary, Maplewood Solar Farm, Pittsylvania County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of Dorey Park Pedestrian Trail, Henrico County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Archaeological Survey of Colonial Trail West Solar Farm Site, Surry County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Architectural Survey of Colonial Trail West Solar Farm Site, Surry County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Greenwood Solar Farm Current Conditions Assessment, Culpeper County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of Osborne Landing, Henrico County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of Monticello Avenue Trail, City of Williamsburg, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Architectural Survey of Mount Jackson Property, Shenandoah County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of Oakland Property, James City County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Cultural Resources Survey of Randolph I Mitigation Bank, Randolph County, West Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Archaeological Survey of Mount Jackson Property, Shenandoah County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Dragon Fly Solar Farm Current Conditions Assessment, Campbell County, Virginia* (with Dawn M. Muir-Frost, Circa~).

2017 *Phase I Archaeological Survey of Buckingham Solar Site, Buckingham County, Virginia* (with Dawn M. Muir-Frost, Circa~).

- 2017 *Phase I Architectural Survey of Buckingham Solar Site, Buckingham County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2017 *Phase I Cultural Resources Survey of Forest Glen, James City County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2017 *Phase I Architectural Survey of Gardy's Mill Site, Westmoreland County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2017 *S B Solar Farm Current Conditions Assessment, Halifax County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2017 *Phase I Archaeological Survey of Gardy's Mill Site, Westmoreland County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2017 *Phase I Architectural Survey of Church View Property, Middlesex County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2017 *Phase I Archaeological Survey of Church View Property, Middlesex County, Virginia* (with Dawn M. Muir-Frost, Circa~).
- 2018 *Phase I Archaeological Survey of Rives Road, Prince George County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Phase I Architectural Survey of Rives Road, Prince George County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Phase I Cultural Resources Survey of Gala Pipeline, Alleghany County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Phase I Architectural Survey of Spring Grove Property, Surry County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Grasshopper Solar Farm Current Conditions Assessment, Mecklenburg County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Addendum to Phase I Archaeological Survey of Church View Property, Middlesex County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Phase I Cultural Resources Survey of Hai Tran Poultry Farm Property, Accomack County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Phase I Archaeological Survey of Pamplin Solar Farm Site, Appomattox County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Phase I Architectural Survey of Walnut Solar Farm, King and Queen County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Phase II Archaeological Evaluations of the Bailey Tract, Chesterfield County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Phase I Architectural Survey of Pamplin Solar Site, Appomattox County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Cape Solar Farm Current Conditions Assessment, Page County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Cavalier Solar Farm Current Conditions Assessment, Greene County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Dewey Solar Farm Current Conditions Assessment, Orange County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Dogwood Solar Farm Current Conditions Assessment, Page County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Phase I Cultural Resources Survey of Shugart Solar Farm, Charles County, Maryland Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Culpeper Management Summary, Culpeper County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Leatherwood Solar Site Management Summary, Henry County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Phase I Cultural Resources Survey of Haymarket Bypass, Prince William County, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Phase I Archaeological Survey of Chesapeake Solar Site, City of Chesapeake, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Phase I Architectural Survey of Chesapeake Solar Site, City of Chesapeake, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Phase I Cultural Resources Survey of Seven Pines Mitigation Bank, Marion County, West Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Phase I Architectural Survey of Route 17 – Shoulders Hill Road, City of Suffolk, Virginia* (with Dawn M. Muir, Circa~).
- 2018 *Phase I Cultural Resources Survey of the Michael Drive Tract, City of Chesapeake, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I Archaeological Survey of the East West Roadway, Chesterfield County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I Architectural Survey of the East West Roadway, Chesterfield County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Management Summary, Bunting Road, York County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase II Archaeological Evaluation of Site 44PG0584, Rives Road Solar Farm, Prince George County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I Cultural Resources Survey of the 2.50-Acre Wellingford Industrial Park Lot 6A, Prince William County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I Archaeological Survey of Cherrywood Solar Farm, Caroline County, Maryland* (with Dawn M. Muir, Circa~).

2018 *Phase I Archaeological Survey of Greenwood Solar Farm, Culpeper County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I Architectural Survey of Greenwood Solar Farm, Culpeper County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I Architectural Survey of Crystal Hill Solar Site, Halifax County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I Cultural Resources Survey of Paradise Creek Bridge Project, City of Portsmouth, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I Cultural Resources Survey of False Cape, City of Virginia Beach, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I and II Cultural Resources Survey and Excavation Report for the James River Water Authority Intake, Pump Station, and Pipeline Project, Fluvanna County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I Architectural Survey of Turner Solar, LLC, Henrico County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Addendum to Phase I Archaeological Survey of the Circa 145-Acre Haymarket Crossing Property, Prince William County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I Cultural Resources Survey of the Accokeek Creek Sewer Alignment, Stafford County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I Cultural Resources Survey of Widewater State Park Property, Stafford County, Virginia and Charles County, Maryland* (with Dawn M. Muir, Circa~).

2018 *Assessment and Probability Analysis Foxglove Solar LLC, Frederick County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Management Summary, Maplewood Solar Farm, Pittsylvania County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Management Summary Petersburg Gas Works Retort Building, City of Petersburg, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I Cultural Resources Survey, Ohio Creek Alternatives, City of Norfolk, Virginia* (with Dawn M. Muir, Circa~).

2018 *Management Summary Camden Plantation, Camden County, North Carolina* (with Dawn M. Muir, Circa~).

2018 *Phase I Cultural Resources Survey of Columbia Gas Transmission, LLC VM System, Drip Removal Project, Greene County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I Cultural Resources Survey of Lower Smith River Sewer Conveyance, Henry County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I Archaeological Survey of Grasshopper Solar I, Mecklenburg County, Virginia* (with Dawn M. Muir, Circa~).

2018 *Phase I Archaeological Survey of the Cherrywood Solar I LLC Property, Caroline County, Maryland* (with Dawn M. Muir, Circa~).

2018 *Addendum to Phase I Cultural Resources Survey of Lynchburg Expressway, City of Lynchburg, Virginia* (with Dawn M. Muir, Circa~).

2019 *Phase I Cultural Resources Survey of the Columbia Gas LLC-VNG Suffolk No. 3 Meter Station Expansion Project, City of Suffolk, Virginia* (with Dawn M. Muir, Circa~).

2019 *Assessment and Probability Analysis, Colonial Solar Farm, Surry County, Virginia* (with Dawn M. Muir, Circa~).

2019 *Phase I Architectural Survey of Dragonfly Solar, Campbell County, Virginia* (with Dawn M. Muir, Circa~).

2019 *Phase I Cultural Resources Survey of Toano Self Storage Tract, James City County, Virginia* (with Dawn M. Muir, Circa~).

- 2019 *Phase I Cultural Resources Survey of Casalight Nokesville Tract, Prince William County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase II Architectural Survey of the Wilroy House, City of Suffolk, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Cultural Resources Survey Highland Springs School Tract, Henrico County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Cultural Resources Survey of Union Bridge Solar Farm, Carroll County, Maryland* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Architectural Survey of the Walnut Solar Site, King and Queen County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Archaeological Survey of the Walnut Solar Site, King and Queen County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Cultural Resources Survey of the Bethlehem Road Property, Prince William County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Cultural Resources Survey of the Piedmont Line 24 Replacement Project, Pitt County, North Carolina* (with Dawn M. Muir, Circa~).
- 2019 *Assessment and Probability Analysis, Banbury Cross, Loudoun County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Cultural Resources Survey of the Richmond Road Property, James City County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Cultural Resources Survey of the Tranquility Tract, York County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Management Summary, Christ Community Church Multipurpose Building, James City County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Cultural Resources Survey of the Lifepointe Church Tract, James City County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Archaeological Survey of Harrowgate-Cougar Trail Sidewalk Improvements, Chesterfield County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Archaeological Survey of Marina to Merriewood Sidewalk Improvements, Chesterfield County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Cultural Resources Survey of the Hopkins Road Sidewalk Improvements, Chesterfield County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Cultural Resources Survey of the Lorton Community Center Tract, Fairfax County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Assessment and Probability Analysis, Westmoreland Solar Farm Site, Westmoreland County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Archaeological Survey of Winterpock Road Widening Project, Chesterfield County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase II Archaeological Evaluation of Site 44CS0348, The Chesapeake Solar Site, City of Chesapeake, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase II Archaeological Evaluation of Site 44FV0269, James River Water Supply Pump Station and Pipeline Alignment, Fluvanna County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Architectural Survey of Mount Nebo Solar Farm, Surry County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Cultural Resources Survey of Archers Mead Tract, Isle of Wight County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Cultural Resources Survey of 136 Tewning Road, City of Williamsburg, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Management Summary and Archaeological Probability Analysis for Spring Grove II Solar Site, Surry County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Partial Phase III Archaeological Excavations of Site 44PW1941 at Cayden Ridge, Prince William County, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Cultural Resources Survey, Misenheimer Solar Farm, Stanly County, North Carolina* (with Dawn M. Muir, Circa~).
- 2019 *Addendum to Phase I Cultural Resources Survey of Nansemond Bridge Alternatives, City of Suffolk, Virginia* (with Dawn M. Muir, Circa~).
- 2019 *Phase I Cultural Resources Survey Nansemond Road Improvements, City of Suffolk, Virginia* (with Dawn M. Muir, Circa~).

EXHIBIT K

From: Langan, Julie <julie.langan@dhr.virginia.gov>

Sent: Friday, August 16, 2019 3:38 PM

To: Carol Tyrer <Carol@circacrm.com>

Subject: JRWA

Carol:

I would like to meet with you as soon as practicable to discuss this project. Could you please suggest a time early next week that you would be available? The purpose of the meeting is to discuss questions that relate to the burial permit application. I would appreciate you bringing to the meeting copies of your University of Denver transcript illustrating which courses you took when pursuing your MA in History, Anthropology and Cultural Studies.

Sincerely,

Julie V. Langan
Director/State Historic Preservation Officer
Department of Historic Resources
2801 Kensington Avenue
Richmond, VA 23221
Office: (804) 482-6087
Cell: (804) 385-6936

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EXHIBIT L

https://www.thecentralvirginian.com/news/local/whistleblower-alleges-wrongdoing-at-james-river-site/article_e442efaa-f5d0-11e9-afda-0750c697fb65.html

FEATURED

TOP STORY

Whistleblower alleges wrongdoing at James River site

David Holtzman Oct 27, 2019



David Holtzman

A whistleblower alleged that he observed “unethical” practices during recent archeological work at the location where Louisa County hopes to build a water pump station near the banks of the James River.

In a statement sent to the United States Army Corps of Engineers, Eric Mai said he participated in an archeological dig at the site from May 2017 to January 2018 while employed by Circa Cultural Resource Management. He said Circa hired inexperienced staff, used minimal technology to save money and reported misleading information about the artifacts that were found.

The Monacan Indian Nation claims Rassawek, their former capital, was located in the area where Louisa and Fluvanna County want to build a pump station, working through the James River Water Authority. The area is also known as Point of Fork, given its proximity to the James and Rivanna rivers.

"My intent is to report an urgent concern about what I believe to be illegal, unethical, unprofessional and unscientific practices by Circa in its work generally and at Point of Fork specifically," Mai wrote.

Justin Curtis, an attorney for the James River Water Authority, declined to comment about Mai's allegations. He said the authority received a copy of the statement on Oct. 21.

The director of the Virginia Department of Historic Resources previously accused Carol Tyrer, the Williamsburg-based company's principal, of claiming she had a master's degree in archeology when she actually has a degree in another field. The Monacans have said for the past year that Circa used improper archeological procedures, but Mai's statement provides more detail than was previously divulged.

Circa was tapped as a subcontractor to Timmons Group, which the authority hired to manage construction of a pump station and pipeline to bring raw water to Ferncliff.

Mai said he worked for Circa for six years, and that the problems he saw on the James River site were similar to what he observed on other projects he was involved with for the company. He said he had urged Tyrer in the past to invest in mapping technologies such as GPS to ensure accurate data, but she resisted, citing the cost.

"Because of this mapping deficit, there were several times on the project when we conducted shovel test pits in the wrong location, well outside of the project area targeted for construction," he said. Some maps created for the water authority by Timmons may be of questionable value, he added, because they were based on data that Circa collected.

Mai completed a master's degree in archeology in 2017, according to his statement and resume. In October 2017, the Department of Historic Resources sent Tyrer a letter chiding her for not supervising work at the James River site directly.

"Soon thereafter, Joe Hines, project lead for Timmons, came to the site and asked me about my professional and academic credentials," Mai wrote. "Tyrer then instructed me to send her my resume. [She] suggested that she might forward my resume to VDHR."

After Mai left Circa, he obtained a copy of the resume Tyrer had given to state officials. The document was different from the one Mai had provided. He said it mischaracterized him as a supervisor when Tyrer had never given him that role, and exaggerated his experience working on Native American archeological sites.

Other workers at the James River site lacked college degrees or formal training investigating Native American sites, Mai said. At one point, he said, Tyrer used workers from Faulconer Construction, the contractor in charge of building the pump station and pipeline, to participate in archeological work, even though they had no experience in that field and used inappropriate tools for the job. He was told the workers were paid for this work by Faulconer, not Circa.

The report Tyrer submitted to DHR in the spring of 2018 about work Mai and other crew members performed at the project site was misleading, he said, because some Native American artifacts that were found were not accounted for in the report. These artifacts provided evidence of cooking and stone tool production. Mai added that while Circa claimed it used specified methods to analyze artifacts, he did not believe the company had actually done so. The person in charge of processing the artifacts was not qualified for the work, he said.

After DHR sent the water authority a letter indicating the agency will no longer accept Tyrer as the lead archeologist for the project, the authority hired a different firm, GAI Consultants, to review her work. The authority also sent a notice to Jule Langan, DHR director, appealing her denial of a burial permit because of Tyrer's lack of qualifications. Langan has said her agency did not actually deny the permit.

The appeal would be filed in Fluvanna Circuit Court, but Curtis said the authority has until next week to decide whether to do so.

EXHIBIT M

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Order Details:

Requester Name: Carol Tyrer
Requester Email Address: clrcacrm@yahoo.com
Recipient Name: Carol Tyrer
Recipient Email Address: clrcacrm@yahoo.com
Date Processed: 16-Aug-2019

The current version of Adobe® Reader is free of charge, and available for immediate download at <http://www.adobe.com>. If you require further information regarding the authenticity of this transcript, you may email or call the University of Denver at transcripts@du.edu or 303.871.4095.

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UNIVERSITY OF DENVER

Denver, Colorado 80208-9405
Office of the Registrar

Student No: 872038801

Date of Birth: 27-FEB

Date Issued: 16-AUG-2019

Record of: Carol Dickert Tyrer

Page: 1

Issued To: Carol Tyrer

Parchment DocumentID: 24526959

Course Level: Graduate

Credential/Degree Awarded: Master of Liberal Studies 07-JUN-2012

Major : Global Affairs

Maj/Concentration : World History and Culture

Credential/Degree Awarded: Graduate Certificate 07-JUN-2012

Major : Arts and Culture

Maj/Concentration : Creative Writing

SUBJ NO.	COURSE TITLE	CRED GRD	PTS R
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INSTITUTION CREDIT:

Autumn Quarter 2006

MALS 4045	The Human Condition	3.00 B+	9.90
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MALS 4400	AIS Literary Traditions	3.00 A-	11.10
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Ehrs: 6.00 GPA-Hrs: 6.00 QPts: 21.00 GPA: 3.50

Winter Quarter 2007

MALS 4405	Modern Amerind Literature	3.00 A-	11.10
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Ehrs: 3.00 GPA-Hrs: 3.00 QPts: 11.10 GPA: 3.70

Spring Quarter 2007

MALS 4010	World Without Borders	3.00 A-	11.10
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Ehrs: 3.00 GPA-Hrs: 3.00 QPts: 11.10 GPA: 3.70

Autumn Quarter 2007

MALS 4020	Graduate Research & Writing	4.00 A	16.00
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Ehrs: 4.00 GPA-Hrs: 4.00 QPts: 16.00 GPA: 4.00

Winter Quarter 2008

MALS 4740	Natural Science & Literature	4.00 A	16.00
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Ehrs: 4.00 GPA-Hrs: 4.00 QPts: 16.00 GPA: 4.00

Spring Quarter 2008

MALS 4260	Writing the Short Story	4.00 A-	14.80
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Ehrs: 4.00 GPA-Hrs: 4.00 QPts: 14.80 GPA: 3.70

Summer Quarter 2008

MALS 4130	Fiction Fundamentals	4.00 A-	14.80
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MALS 4240	Memoir & Personal Essay	4.00 A	16.00
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Ehrs: 8.00 GPA-Hrs: 8.00 QPts: 30.80 GPA: 3.85

Autumn Quarter 2008

MALS 4455	Into the Future: Global Trends	4.00 B	12.00
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***** CONTINUED ON NEXT COLUMN *****

SUBJ NO.	COURSE TITLE	CRED GRD	PTS R
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Institution Information continued:

Ehrs: 4.00 GPA-Hrs: 4.00 QPts: 12.00 GPA: 3.00

Winter Quarter 2009

MALS 4030	Philosophy and Spirituality	4.00 B+	13.20
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Ehrs: 4.00 GPA-Hrs: 4.00 QPts: 13.20 GPA: 3.30

Autumn Quarter 2009

GS 4210	World Religious Traditions	4.00 A-	14.80
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MALS 4120	Writing Non-Fiction	4.00 A	16.00
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Ehrs: 8.00 GPA-Hrs: 8.00 QPts: 30.80 GPA: 3.85

Winter Quarter 2010

MALS 4190	The Writer's Workshop	4.00 A	16.00
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Ehrs: 4.00 GPA-Hrs: 4.00 QPts: 16.00 GPA: 4.00

Autumn Quarter 2010

GS 4020	Cultural Positioning	4.00 A-	14.80
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Ehrs: 4.00 GPA-Hrs: 4.00 QPts: 14.80 GPA: 3.70

Winter Quarter 2011

GS 4220	Competition and Conflict	4.00 A-	14.80
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Ehrs: 4.00 GPA-Hrs: 4.00 QPts: 14.80 GPA: 3.70

Winter Quarter 2012

GS 4902	Capstone Seminar	4.00 B	12.00
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Ehrs: 4.00 GPA-Hrs: 4.00 QPts: 12.00 GPA: 3.00

***** TRANSCRIPT TOTALS *****

	Earned Hrs	GPA Hrs	Points	GPA
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TOTAL INSTITUTION	64.00	64.00	234.40	3.66
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TOTAL TRANSFER	0.00	0.00	0.00	0.00
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OVERALL	64.00	64.00	234.40	3.66
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***** END OF TRANSCRIPT *****

AN OFFICIAL SIGNATURE IS WHITE WITH A RED BACKGROUND REJECT DOCUMENT IF SIGNATURE BELOW IS NOT CLEAR

The Federal law, the Family Educational Rights and Privacy Act of 1974, forbids the release of this information without written consent of the student.

Dennis Maurice Becker, Registrar

EXPLANATION OF TRANSCRIPT

GRADING SYSTEMS

LETTER GRADING SYSTEM COLLEGE OF LAW, BEGINNING FALL 1990 OTHER PROGRAMS, BEGINNING FALL 1992 GRADUATE TAX PROGRAM, ADOPTED FALL 2015

GRADE	DEFINITION	GRADE POINTS	GRADE	DEFINITION	GRADE POINTS
A	Excellent	4.0	P	Passing	0
A-		3.7	I	Incomplete	0
B+		3.3	W	Withdrawn	0
B	Good	3.0	NC	No Credit	0
B-		2.7	WC	Without Credit	0
C+		2.3	W/WP	Withdrawn	0
C	Satisfactory	2.0		Without Prejudice	0
C-		1.7	IP	In Progress or	0
D+		1.3		Grade Not Reported	0
D	Passing	1.0	NR	Grade Not Reported	0
D-		0.7	NP	No Pass	0
F	Failing	0			

NUMERIC GRADING SYSTEM COLLEGE OF LAW, PRIOR TO FALL 1990 GRADUATE TAX PROGRAM, PRIOR TO FALL 2015

GRADE	DEFINITION	GRADE POINTS	GRADE	DEFINITION	GRADE POINTS
85-100	A	85-100	W/WP	Withdrawn	0
77-84	B	77-84		Without Prejudice	0
68-76	C	68-76	NR	Grade Not Reported	0
60-67	D	60-67	IP	In Progress or	0
45-59	F	45-59		Grade Not Reported	0
P	Passing	0	NC	No Credit	0
F	Failing	0	I	Incomplete	0

GRADING SYSTEM BEGINNING FALL 1965

GRADE	DEFINITION	GRADE POINTS	GRADE	DEFINITION	GRADE POINTS
A	Excellent	4.0	W, WP**	Withdrawn	0
B	Good	3.0		Without Prejudice	0
C	Satisfactory	2.0	NC	No Credit	0
D	Passing	1.0	WF*	Withdrawn Failing	0
F	Failing	0.0	I	Incomplete	0
P	Passing	0.0			

*Discontinued 1984

**Discontinued 1987

GOOD STANDING

All students are considered in good standing unless stated otherwise on the transcript.

REPEATED COURSES

Repeated courses are denoted under the "R" column. "I" indicates a repeated course is included in earned hours and GPA calculations; "A" indicates a repeated course is included in GPA calculations but excluded from earned hours; "E" indicates that a repeated course is excluded from earned hours and GPA calculations.

SUBJECT CODES

For a detailed explanation of the subject codes on this transcript please visit: <http://www.du.edu/registrar/course/coursecode.html>.

COURSE NUMBERING

Prior to September 1985 Beginning September 1985

1-99	Elementary	0001-0999	Elementary
100-199	Intermediate	1000-1999	Intermediate
200-299	Advanced	2000-2999	Advanced
300-399	Advanced and	3000-3999	Advanced and
	Graduate		Graduate
400 or Over	Graduate	4000-5999	Graduate

Beginning Summer 2002

0001-0999	Pre-collegiate, Remedial, or Continuing Education Unit Courses
1000-1999	Undergraduate Courses (Lower Division)
2000-2999	Advanced Undergraduate Courses (Upper Division)
3000-3999	Advanced Undergraduate and Graduate Courses (Combined)
4000 or Over	Graduate Courses

COURSES TAKEN AT OTHER INSTITUTIONS

Grades for courses taken at other institutions are marked with an asterisk and are not calculated into the grade point average.

ACADEMIC CALENDAR

With the exception of the College of Law, the academic calendar used is the quarter. The quarter is generally ten weeks exclusive of the final examination period. In fall 1990, the College of Law adopted a semester calendar. Study abroad, distance learning, interterm and other special courses vary in length but are reported in quarter hours (or semester hours for the College of Law).

LENGTH OF DEGREE PROGRAMS

The number of credit hours required for a degree is dependent on program requirements. A baccalaureate requires a minimum of 180 quarter hours; a master 45 and a doctorate 90-135 quarter hours beyond the bachelor's degree. 90 semester hours are required for a juris doctor degree.

SECONDARY MAJOR

A second major outside the primary degree program.

ACCREDITATION

The University of Denver is accredited by the Higher Learning Commission (HLC) of the North Central Association of Colleges and Schools as a degree-granting institution at the baccalaureate, graduate, professional, and doctoral levels.

TRANSCRIPT AUTHENTICITY

A transcript is official when each page bears the preprinted University seal and includes the signature and title of the issuing authority. The transcript form is red and incorporates a background design of the University's seal.

RELEASE OF INFORMATION

The message "ISSUED TO STUDENT" will be printed on the transcript when the transcript is provided directly to the student. This transcript cannot be released to any third party without the written consent of the student. These instructions are in accordance with the Family Educational Rights and Privacy Act of 1974.

RECIPROCAL AGREEMENT PROGRAM

Prior to fall 2007, graduate credit taken at the Iliff School of Theology may be reflected on this transcript under the subject code ILIF. Effective fall 2007, the University of Denver assumed the administrative operations of the Joint PhD program with the Iliff School of Theology. All graduate credit taken at Iliff thereafter is reflected on this transcript under the subject code THEO or RLGK. Complete transcripts for students who graduated from the Joint PhD program prior to fall 2007 are available from the Iliff School of Theology.

EXHIBIT N



COMMONWEALTH of VIRGINIA

Department of Historic Resources

Matt Strickler
Secretary of Natural Resources

2801 Kensington Avenue, Richmond, Virginia 23221

Julie V. Langan
Director

Tel: (804) 367-2323
Fax: (804) 367-2391
www.dhr.virginia.gov

September 6, 2019

Ms. Carol Tyrer
President
Circa~ Cultural Resource Management, LLC
453 McLaws Circle, Suite 3
Williamsburg, Virginia 23185

Dear Carol:

I am writing to follow up on our meeting on August 19th focused on concerns brought to my attention regarding whether you meet the Professional Qualifications Standards for Archaeology.

First, I want to thank you for meeting with me so quickly, for providing the requested course transcript and for describing the content of the courses taken at the University of Denver. I also appreciate your prompt revision of your resume.

Following careful review of your academic transcript and other documentation, I have determined that you do not meet the minimum requirements established by The Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation - Professional Qualifications Standards for Archaeology (48 FR 44739). This decision has consequences, and not just for the James River Water Authority Project. For example, going forward I will be unable to issue a burial permit when the application identifies you as the Principal Investigator. 17VAC5-20-40, the Virginia administrative code guiding the application of the burial permitting process, requires that the persons "planning and supervising the field investigation" associated with archaeological recovery of human remains meet these minimum requirements. Additionally, our review of your work completed on behalf of Federal agencies and their applicants in support of Section 106 compliance will be suspended pending discussions with agencies and how they intend to satisfy their statutory responsibility to meet applicable standards and guidelines.

Sincerely,

A handwritten signature in cursive script that reads "Julie V. Langan".

Julie V. Langan
Director

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EXHIBIT O



Council of Virginia Archaeologists

September 9, 2019

US Army Corps of Engineers
Norfolk District
9100 Arboretum Parkway
Suite 235
Richmond, VA 23236

Dear Steven VanderPloeg,

On behalf of the Council of Virginia Archaeologists (COVA), I am writing to respectfully submit initial comments on the James River Water Authority (JRWA) project requiring a federal permit and thereby triggering Section 106 of the National Historic Preservation Act.

COVA is the Commonwealth's professional archaeology organization dedicated to the preservation and study of Virginia's archaeological resources. Since 1975, our mission has been to: 1) promote the preservation and study of Virginia's prehistoric and historic archaeological resources; 2) foster public awareness, knowledge, and support for the preservation of Virginia's archaeological resources; 3) facilitate interaction between the communities of professional and avocational archaeologists; and 4) act as an independent professional advisory group for the Virginia Department of Historic Resources. Under this mission, COVA requested consulting party status for the JRWA project in July 2019.

We would like to submit for review the following comments.

- 1) We would like to express great concern from Virginia's professional archaeological community over the proposed JRWA project and its impact to sites of immense significance. These sites, which are part of the sprawling Village of Rassawek, the pre-Colonial Monacan political capital, are exceedingly important due to their exceptional level of preservation, high potential for the presence of burials, and the fact that they are included in the earliest European documentation of the region. We support the Monacan Nation and recognize how valued these places are for the tribe whose ancestral community was centered on this powerful chiefly village. These sites should be avoided at all cost. It is clear that the Adverse Effects of the Pumping Station project go far beyond minimal impacts and, therefore, the project should be processed as an individual permit instead of a nationwide permit. All possible alternatives must be evaluated publicly. We strongly urge the Corps to make this change.

- 2) Should the permit be issued and the project allowed to proceed, we advocate for additional oversight and guidance with regard to data recovery efforts. We know that the Advisory Council on Historic Preservation has suggested that in complex cases special oversight by “peer review” can be an appropriate strategy for moving forward with a project such as this one. We recommend that the treatment plan be revised/redeveloped and that research strategies be overseen by a panel composed of professional archaeologists with expertise in the region and representatives from the Monacan Nation. The panel must have the authority to guide methodology as the project progresses. This is essentially how the Werowocomoco project was developed with the Werowocomoco Research Group (professional Anthropologists) working closely with and guided by an all Native Advisory Board. Modern archaeological methods (and ethically sound research) recognize the valuable role that descendant communities play in planning, undertaking, and interpreting field research projects and we believe that the Monacan must be involved in this project at every stage.
- 3) We believe that the Treatment Plan currently underestimates the complexity of data recovery on deeply stratified floodplain sites. Our understanding is that these sites have the high potential to be incredibly methodologically difficult to properly mitigate, given their depth, complex stratigraphy, and close proximity to the edge of the river and the water table. An archaeological project like this will require an extended timeframe for completion and an appropriate budget to ensure that the sites are properly mitigated. If pushed forward, this project will require that archaeologists work closely with engineers to build, service, and maintain dewatering systems. Stepbacks, trenching, and shoring will have to be planned well in advance in order to protect the archaeologists and allow for the excavation of sensitive archaeological deposits including will add considerably to project costs. If conducting a data recovery becomes absolutely necessary, the work will require experience excavating sites of similar depth and stratigraphic complexity, experience working closely with construction engineers to maintain conditions of site safety, and experience with tribes during complicated and controversial projects.

Thank you for your consideration and the opportunity to comment on this important project.

Sincerely,

The Executive Board of the Council of Virginia Archaeologists

EXHIBIT P



PRESERVATION VIRGINIA

June 5, 2019

Steven Vanderploeg
Environmental Scientist
US Army Corps of Engineers, Norfolk District Western Virginia Regulatory Section
9100 Arboretum Parkway, Suite 235
Richmond, VA 23236

RE: Comments on the Revised Memorandum of Agreement (MOA) and Treatment Plan for Architectural Resources 032-0036 and 032-5124, and Archeological Sites 44FV0022, 44FV0024, and 44FV0268, associated with the James River Water Supply Pump Station and Pipeline Alignment

Dear Mr. Vanderploeg:

Following up on letters dated July 27, September 28, and December 21, 2018, I respectfully submit comments in response to the materials distributed by your office on May 6, 2019. We appreciate the extension of the comment period to the full thirty days in order to fully digest the materials provided. In general, we remain concerned about the way the review process for this project has unfolded and the details of the Memorandum of Agreement (MOA), including lack of consideration for avoiding or minimizing the negative impacts to the cultural, historical, and archaeological resources that will be compromised by the proposal and the response by the James River Water Authority that fails to address the mitigation concerns of consulting parties in a manner that is proportionate to the damage that will be inflicted on this important site and its environs.

My previous comments about the process to date can be addressed appropriately should the Army Corps of Engineers not grant authority for this project to proceed under Nationwide Permit 12. Instead, an individual permit application would allow the Corps to consider additional information about alternatives that would avoid or minimize impacts to Rassawek and National Register-listed historic resources such as the Point of Fork plantation complex (DHR Inventory No. 032-0024), the Rivanna Canal Navigation Historic District (DHR Inventory No. 032-0036), and the James River and Kanawha Canal and Railroad (DHR Inventory No. 032-5124).

In his letter dated January 11, 2019, Steven M. Nichols, James River Water Authority, states that "in planning the final route/location, numerous options were evaluated before the present Project location was selected...which was publicly announced at a February 2014 public information meeting." As an advocate for historic resources who attended the public meetings that preceded the announcement of the chosen site, I can attest to there being little support for it by those present. On multiple occasions, it was stated publicly by Fluvanna County citizens and myself that previously-identified alternate locations would be far less consequential for the project in the long term. Requiring an individual permit would allow the Corp to review viable, far less intrusive alternatives that would complete the goals of the James River Water Supply Project while respecting the historic capital of the Monacan Nation and

nearby historic canal resources that should be viewed as assets to the former town of Columbia and Fluvanna County.

Regarding aspects of mitigation, I will note once again that the burden of curating archaeological artifacts and relocating human remains should not fall to the Monacan Nation; mitigation should cover the expenses incurred plus additional resources to help offset the cumulative negative impact of the endeavor. With the decision to site the project here, despite the warnings of citizens and professionals alike, the JRWA must acknowledge that the proper treatment of this cultural material is simply an additional cost of doing business. Neither does Nichols' letter of January 11 acknowledge or remotely address concerns raised in previous correspondence about mitigating the impacts on National Register-listed resources such as the two instances where historic canal material will be removed and rebuilt.

With regard to the Treatment and Monitoring Plans, should the project proceed as designed, I agree with and support the concerns about archeological best practices and methodology expressed by the Virginia Department of Historic Resources and Cultural Heritage Partners. Regarding the ethical treatment of the archaeological resources present at the Point of Fork site of Rassawek, I defer to and underscore the wishes and concerns of the Monacan Nation as expressed on their behalf by Cultural Heritage Partners.

In summary, if the JRWA had embraced a more transparent public process, both before and at the start of actual Section 106 consultation, and had taken seriously the input of citizens and professionals as part of that process, much time and money could have been saved to date; the selection of an alternate site and avoidance of Rassawek, Point of Fork, and two canal districts would have been preferable to the current status of the project. Reconsiderations of permit type and site aside, if the project continues as proposed, then the mitigation efforts as outlined are not sufficient to offset the negative impacts. Thank you for the opportunity once again to offer comments on this undertaking.

Sincerely,

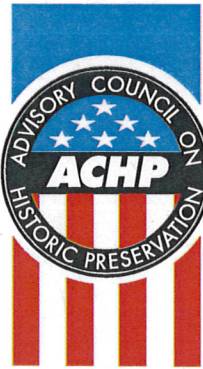
Justin A. Sarafin
Director of Preservation Initiatives & Engagement
Preservation Virginia

EXHIBIT Q

Milford Wayne Donaldson, FAIA
Chairman

Leonard A. Forsman
Vice Chairman

John M. Fowler
Executive Director



Preserving America's Heritage

June 24, 2019

The Honorable R.D. James
Assistant Secretary for the Army for Civil Works
Office of the Assistant Secretary of the Army (Civil Works)
108 Army Pentagon
Washington, DC 20310-0108

Ref: *James River Water Authority Intake, Pump Station, Pipeline*
DA Permit application NAO-2014-00708
Fluvanna County, Virginia
ACHPConnect Log Number: 12931

Dear Mr. James:

In response to a notification by the U.S. Army Corps of Engineers, Norfolk District (USACE), the Advisory Council on Historic Preservation (ACHP) will participate in consultation to develop a Section 106 agreement document for the referenced undertaking. Our decision to participate in this consultation is based on the *Criteria for Council Involvement in Reviewing Individual Section 106 Cases*, contained within the regulations, "Protection of Historic Properties" (36 CFR Part 800), implementing Section 106 (54 U.S.C. § 306108) of the National Historic Preservation Act (54 U.S.C. § 300101 et seq.). The criteria are met for this proposed undertaking because this undertaking has the potential to present procedural problems and issues of concern to Indian tribes.

Section 800.6(a)(1)(iii) of these regulations requires that we notify you as the head of the agency of our decision to participate in the consultation. By copy of this letter, we are also notifying Mr. William T. Walker, Chief, Regulatory Branch of the Norfolk District, of this decision.

Our participation in this consultation will be handled by John T. Eddins PhD, who can be reached at (202) 517-0211 or via email at jeddins@achp.gov. We look forward to working with your agency and other consulting parties to reach agreement on alternatives or modifications to the undertaking that could avoid, minimize, or mitigate adverse effects on historic properties.

Sincerely,

John M. Fowler
Executive Director

ADVISORY COUNCIL ON HISTORIC PRESERVATION

401 F Street NW, Suite 308 • Washington, DC 20001-2637
Phone: 202-517-0200 • Fax: 202-517-6381 • achp@achp.gov • www.achp.gov

EXHIBIT R



COMMONWEALTH of VIRGINIA

Department of Historic Resources

Molly Joseph Ward
Secretary of Natural Resources

2801 Kensington Avenue, Richmond, Virginia 23221

Julie V. Langan
Director

Tel: (804) 367-2323
Fax: (804) 367-2391
www.dhr.virginia.gov

October 4, 2017

James River Water Authority
Attn: Mr. Steven M. Nichols
Fluvanna County Administrator
132 Main Street
Palmyra, VA 22963

Re: Application for the Removal and Temporary Curation of Human Remains Located at
Point of Fork, Fluvanna County, Virginia
DHR File No. 2015-0984

Dear Mr. Nichols:

In accordance with Section 10.1-2305 of the *Code of Virginia*, final regulations adopted by the Virginia Board of Historic Resources and published in the Virginia Register on July 15, 1991, and following review by the Department, the Department of Historic Resources on this 4th day of October, 2017, hereby grants to the James River Water Authority permission to remove and temporarily curate human remains that may accidentally be disturbed by, or identified during laboratory analysis resulting from, planned archaeological investigations in and around property associated with the James River Water Authority's proposed raw water intake and pipeline at Point of Fork in Fluvanna County, Virginia. Any such removal and temporary curation shall take place only after consultation with the affected Indian Tribes/Nations (defined below). This is not a recovery permit and does not provide legal permission for the purposeful archaeological recovery of buried human remains. Any such activity must receive a separate permit issued by this office. This permit is to be considered effective as of today's date.

The granting of this permit signifies that:

1. The Department is aware that the recovery is part of the James River Water Supply Project, which is under review by the Review and Compliance Division (DHR Project Review No. 2015-0984).

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2. The Department is aware that archaeological sites 44FV0019, 44FV0020, 44FV0021, and 44FV0022, all formally recorded in the VDHR's permanent archives, are located partially or entirely within the James River Water Supply Project. The Department is further aware that archaeological survey conducted in the early 1980s resulted in reports of exposed human remains within the boundaries of site 44FV0021, and that the area in general is believed to correspond to the Monacan village known as Rassawek.
3. The Department is aware that the federally-recognized Pamunkey Indian Tribe and Delaware Nation, as well as the Commonwealth-recognized Monacan Indian Nation, Rappahannock Tribe, and Upper Mattaponi Indian Tribe, have requested consulting party status pursuant to the federal project, and are hereinafter defined for the purposes of this permit as the "affected Indian Tribes/Nations".
4. The Department understands that the Permittee, an authority created pursuant to Code of Virginia Chapter 51, Title 15.2 §§ 15.2-5100 *et seq.*, incorporates two (2) municipal authorities (Fluvanna and Louisa Counties) that receive federal funding and thus meet the definition of "museum" under the Native American Graves Protection and Repatriation Act of 2001 (Public Law 101-601; 25 U.S.C. 3001-3013) (NAGPRA). As such, any action pertaining to the discovery, inadvertent disturbance, removal or subsequent treatment of human remains conducted pursuant to this permit must meet the terms and requirements of NAGPRA.
5. The Department has received from the Permittee and has approved a statement detailing the goals and objectives of the project.
6. The Department has reviewed the vita of the professionally-qualified archaeologist responsible for the proposed work and has found her qualified to complete the work.
7. The Department has received accurate information as to the location of the project area and the proposed investigations, to include both shovel and deep testing, designed to evaluate soil strata and composition, and to preliminarily identify archaeological deposits and features within the project area.
8. The Department has received assurances that there are adequate resources to carry out the research design and treatment plan, and to ensure the respectful treatment of all human remains and associated funerary items that may accidentally be disturbed during archaeological delineation of the possible unmarked cemetery.
9. The Department has worked with the federally-recognized Pamunkey Indian Tribe and Delaware Nation in the development and implementation of this permit pursuant to the terms and conditions of NAGPRA, and understands that the Pamunkey Indian Tribe and Delaware Nation have expressed their intent to participate in the federal process as consulting parties.

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10. The Department has consulted with the state-recognized Monacan Indian Nation, Rappahannock Tribe, and Upper Mattaponi Indian Tribe at their request and in recognition of their interest in the project area.
11. The Department has concluded that issuance of this anticipatory burial permit is necessary in order to ensure that any and all buried remains and associated funerary items inadvertently disturbed during archaeological investigation of the James River Water Supply project area will be properly treated, and that important information about Fluvanna County's history will be properly recorded.

This permit is granted subject to the following conditions:

1. The Permittee shall ensure that the project archaeologist carries a copy of this permit at all times during fieldwork associated with this permit.
2. The Permittee shall proceed in accordance with the approved research design as proposed in the permit application, with the exception that no human remains or known/presumed funerary objects will be purposefully removed from the property absent the prior written approval from the Department and the affected Indian Tribes/Nations. Any changes to this methodology must receive the prior written approval of the Department.
3. Under no circumstances shall burial chambers be excavated or *in situ* human remains archaeologically recovered under this permit. Should it become necessary to disinter buried human remains, the Permittee must apply for a recovery permit in consultation with the Pamunkey Indian Tribe and Delaware Nation as required by NAGPRA and the Monacan Indian Nation, Rappahannock Tribe, and Upper Mattaponi Indian Tribe as required by Code of Virginia §10.1-2305 and its implementing regulations.
4. The Permittee shall ensure that all earthmoving activity within the project area takes place at the direction and under the supervision of the supervising archaeologist, who shall be allowed to dictate the terms under which soil is removed.
5. Upon discovery of human remains or funerary objects, all ground disturbance shall cease and the area of discovery shall be secured from further disturbance. The Permittee shall notify the Department and the affected Indian Tribes/Nations by telephone within twenty-four (24) hours of discovery. This notification must be followed up in writing (email is sufficient). The Permittee shall take all necessary precautions to avoid additional disturbance or displacement, including establishment of a minimum fifty (50)-foot buffer around the discovery location. There shall be no additional activity within the established fifty (50)-foot buffer until consultation with the affected Indian Tribes/Nations has concluded and an approved treatment plan is in place.

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6. Posting or otherwise publishing written descriptions, digital images, or any other information about or involving human remains discovered on this site in print media, digital media, or in any other fashion is strictly forbidden. Any such action will result in immediate revocation of this permit.
7. The Permittee shall, in consultation with the affected Indian Tribes/Nations, prepare a plan for final disposition of any remains and associated funerary items and submit it to the Department for review and comment. The Department will itself consult with the affected Indian Tribes/Nations and will reach a decision on final disposition within sixty (60) days of receipt. No reburial or other disposition shall take place in the absence of the Department's prior written approval.
8. The Permittee shall inform the Department and affected Indian Tribes/Nations in writing of the commencement of field work conducted under this permit.
9. The Permittee shall inform the Department and affected Indian Tribes/Nations in writing of the completion of field work involving the recovery of human remains and/or associated funerary artifacts, and the completion of the final disposition of those remains and associated artifacts, within two (2) weeks of implementation.
10. The Permittee shall ensure that the architectural and archaeological resource forms, mapping, and other archival data associated with this property are updated and accepted by the Department prior to submittal of the final report.
11. Prior to April 4, 2018, the Permittee shall prepare a technical report(s) of the field investigations involving the recovery of human remains conducted under this permit and submit one copy of it (them) to the Department for review and approval, with a copy to affected Indian Tribes/Nations for review and comment. All reports shall meet the federal standards entitled *Archeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines* (48 FR 44716-44742, September 29, 1983) and the Department's *Guidelines for Historic Resources Survey in Virginia* (2011 and as amended or revised). All comments received within thirty (30) days of report receipt shall be addressed in the final report(s).
12. All archaeological materials (with the exception of human remains and associated funerary or ceremonial objects) resulting from investigations conducted under this permit, including artifacts, field records and photographs, shall be placed in the Department's collections upon completion of the study and shall be curated in accordance with the Department's *State Curation Standards* (2011 and as amended or superseded).
13. The Department retains the right to revoke this permit upon the initiative of the Director, or upon the request of any interested party, for violations of any of the above conditions or if good cause is otherwise demonstrated.

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14. The Department retains the right to inspect the field investigations conducted under this permit. The Permittee shall make a reasonable effort to ensure that Department representatives have access to the work site during the field investigations

This permit shall be valid for six (6) months from the date of issuance. This permit is not transferable.

Sincerely,



Julie V. Langan
Director

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